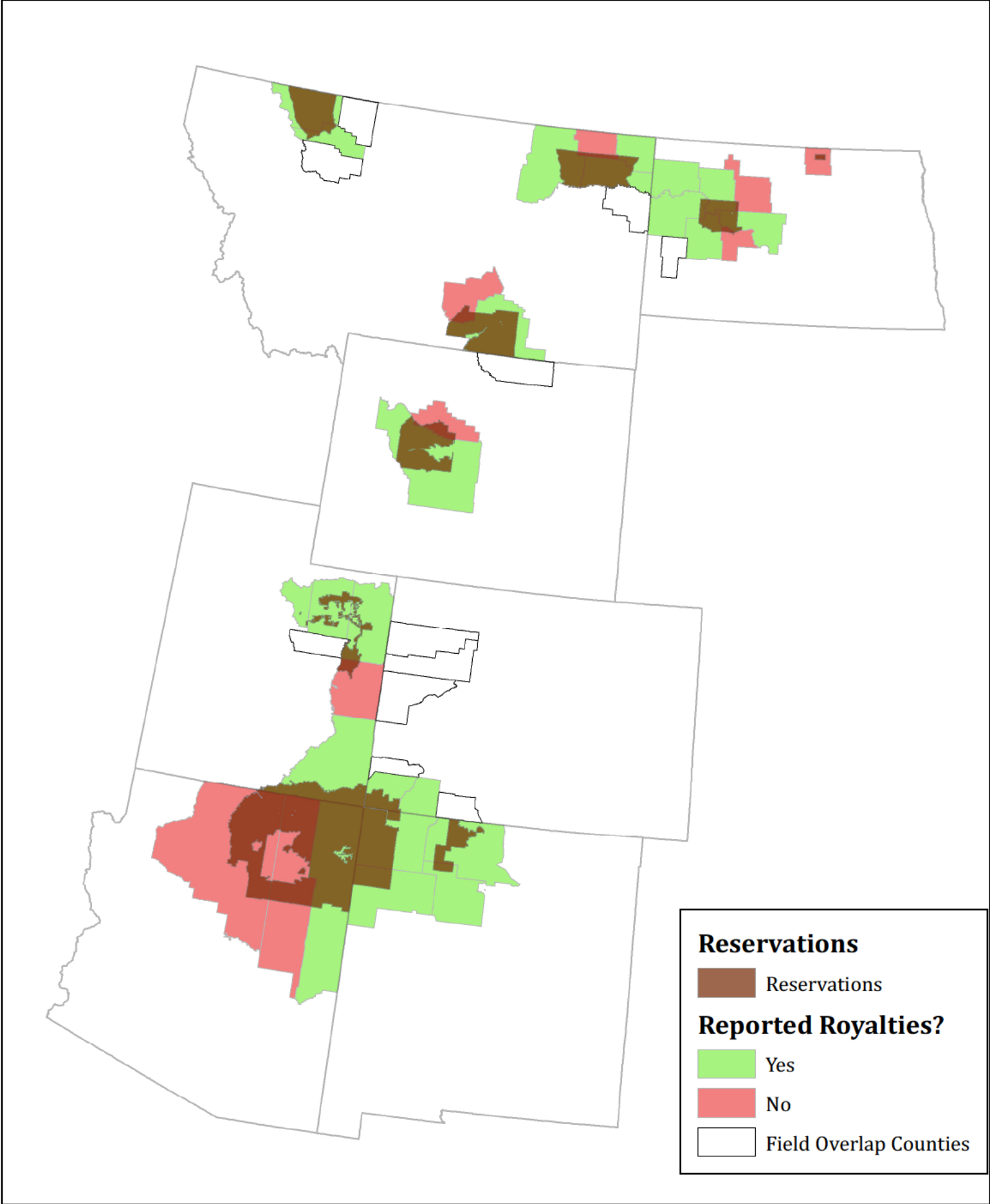
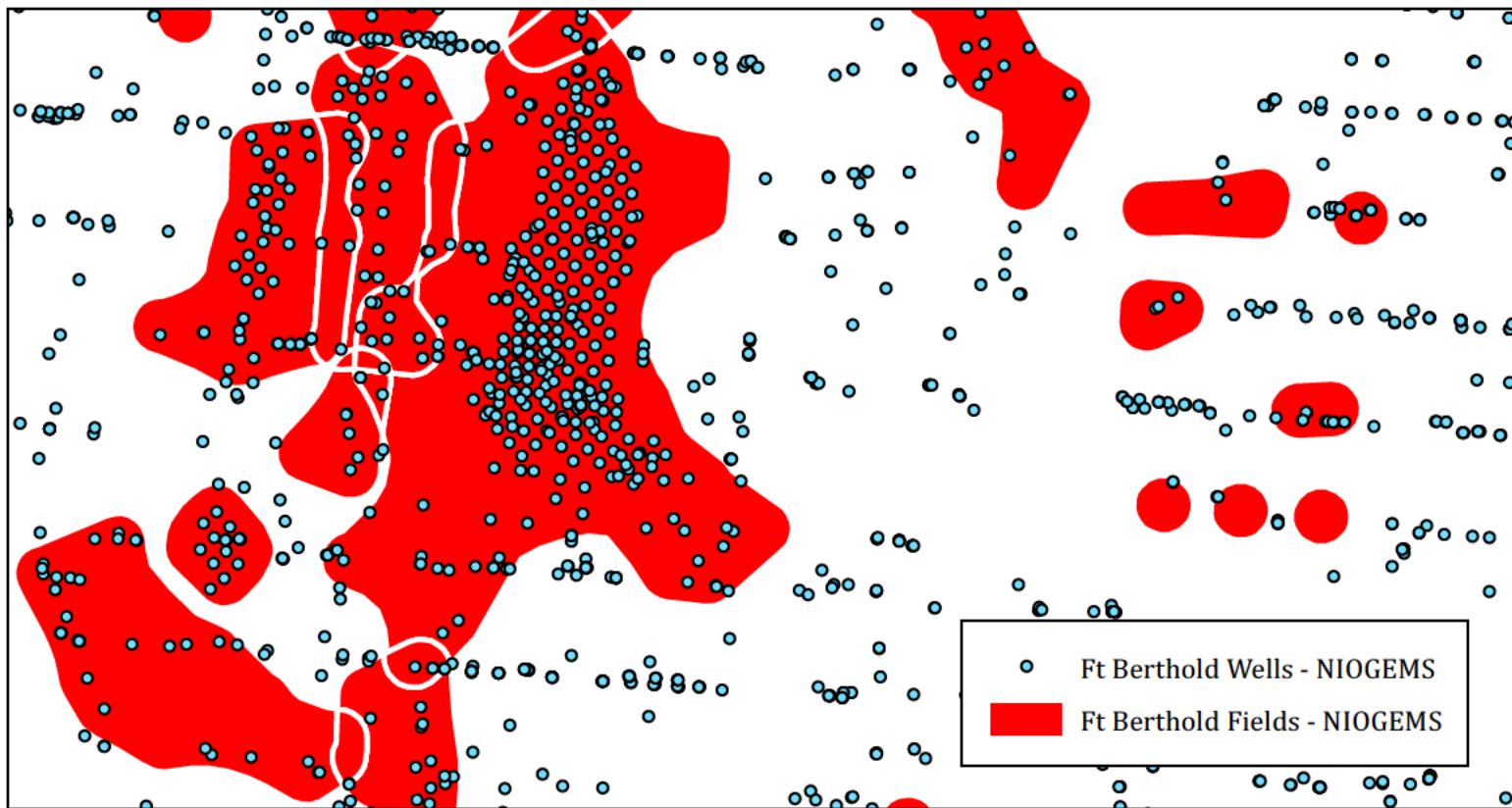


Major Portion Counties

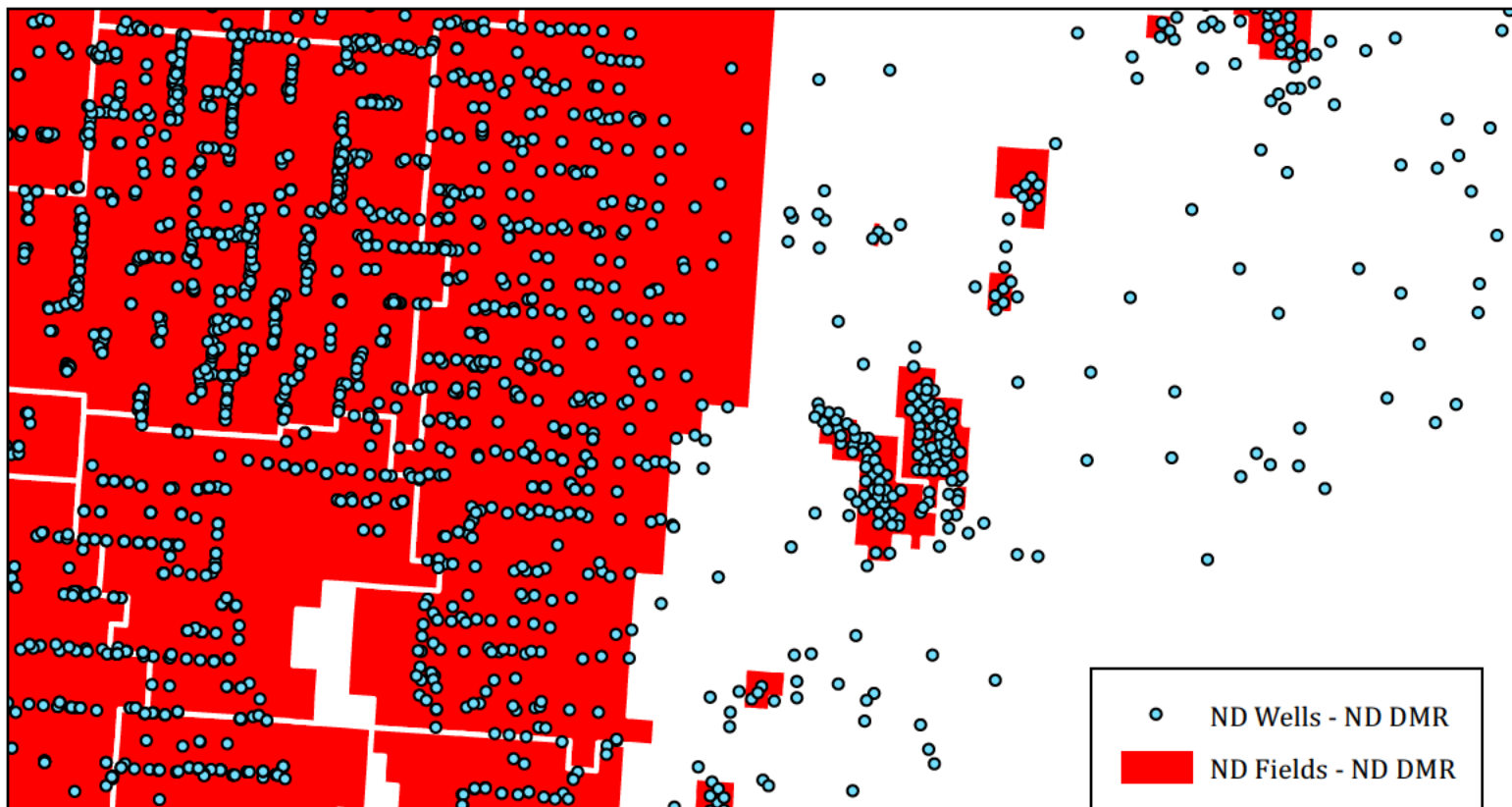


Wells Field Assignment vs Spatial Join Field Assignment

NIOGEMS Data



ND DMR Data



Methodology

SAS Royalty Data Pull (6/16/15)

Indian 2014 Lines

(b) (5)

(b) (5)

(b) (5)

State and County Codes

(b) (5)

Distributee Codes

(b) (5)

State and County to 2014 Lines

(b) (5)

(b) (5)

Distributtee Code to 2014 Lines

(b) (5)

(b) (5)

Reference Values, Calculated Values, Ute/UDC Values

(b) (5)

(b) (5)

(b) (5)

Field Value to 2014 Lines and Gravity Join

(b) (5)

(b) (5)

Federal 2014 Lines

(b) (5)

(b) (5)

Stats Page Test

(b) (5)

ArcMap Field Assignments

Preparing Indian Reservation Feature Class

(b) (5)

Preparing County Feature Class

(b) (5)

(b) (5)

Cross Check County Feature Class Selections with ONRR 2014 Data

(b) (5)

Select Counties with Overlapping Fields from Major Portion Counties

(b) (5)

Preparing State Feature Class

(b) (5)

Preparing State Well Shapefiles

(b) (5)

Assigning Fields to Properties

(b) (5)

(b) (5)

Excel Major Portion Prices

Filtering Excluded Federal Counties

(b) (5)

Assigned Gravity Adjusted Prices

(b) (5)

(b) (5)

Remove Outliers

(b) (5)

(b) (5)

Area Wide Major Portion Prices

(b) (5)

(b) (5)

Field Major Portion Prices

(b) (5)

(b) (5)

(b) (5)

(b) (5)

Additional Royalties Due

(b) (5)

(b) (5)

Compliance Strategy Council
Meeting Minutes – August 4, 2014

Voting Members	Non-Voting Members	Other Attendees
Greg Gould	Rich Adamski	Chris Carey
Debbie Gibbs Tschudy	John Barder	Mike DeBerard
Theresa Bayani	Judi Clark	Brian Delehanty
John Mehlhoff	Kimbra Davis	Mike Ernest
Jim Steward	Roman Geissel	Christina Mathers
	Sarah Inderbitzin	Karen Osborne
	Bob Prael	Megan Petko
	Faye Stewart	
	Paul Tyler	

Indian Oil Major Portion Implementation Status (handout)

Brian Delehanty updated the Committee on implementing Indian Oil Major Portion under the current rule. John Barder noted that a substantial amount of the criteria and methodology came from the brainstorming sessions. The methodology used was:

- Data pulled from Indian and Federal oil lines from January 2002 to December 2013
- Per 30 CFR 1206.53 (b), assigned field values to the 2014 lines using state API Well data and OGOR data when possible. For wildcat or unavailable wells, ‘no field’ was assigned as the value
- Derived monthly Field based major portion prices and Area based major portion price

Per the Trade Secrets Act, there needs to be at least three unique payors every month of the calendar year. If Field value is available and Field major portion price eligible, we assigned a Field based major portion price to each 2014 line; all other lines received Area-based major portion price. Brian said we can’t do major portion for Crow since there are not always three unique payors every month. Debbie said we can state it is impractical under the rule. Sarah asked about using other Tribes in the area as a reference; John said the closest are Wind River or Ft. Berthold.

The Committee voted unanimously to determine major portion for the Crow on a month to month basis. Paul reminded that the Secretary’s Trust Principles stated we are obligated to do what is advantageous to the Tribes. Sarah asked how close was the data was to the original rule - Brian will follow up on that. Debbie asked what the strategy for collecting the royalties going forward will be. John said ACM will look at Ft. Berthold first. Brian said we used 8% for field-based major portion pricing. Paul asked about major portion calculations for tribes in Oklahoma. Brian said we may have to use different methodology. Bob asked when Financial Management would do disbursements billing. Someone stated they would like to get them out by the end of calendar year before the rule becomes final. John said one enclosure with the orders will be a methodology report, and asked how detailed that should be. Sarah said we have to explain reasoning of why some calculations use Fields and some use Areas, and explain in the liability

report which years used which designation. Debbie said the beginning of the order should be standard then get into more detailed description by Tribe. Mike DeBerard suggested adding a column for the Field name in the methodology report.

The Committee concluded that no tribal consultation is required since ONRR is implementing current policy and since it is advantageous to Indian communities. We could potentially see challenges on field designations based on API information and maps, but we have good data to tie leases to fields.

Action Items:

- ACM will set up a brainstorming session to discuss options for Oklahoma Leases
- ACM will send out order letters to Fort Berthold by the end of the calendar year on the reservation level. Debbie asked if ACM needed help getting order letters out. John said not at this time.
- ACM and FM will coordinate to determine work in process for end of year financial statements

Risk Tool Enhancement

Mike Ernest updated the Committee on the Risk Tool Enhancement. (b) (5), (b) (7)(E)

[Redacted]

[Redacted]

[Redacted]

Non-Responsive

Non-Responsive

Indian Oil Major Portion Discussion (handouts)

Karl provided the CSC with a summary of the results from the analysis stage of the Indian oil major portion study. Brian performed an in-depth analysis of the outstanding liabilities for tribes and allottees; the allottee numbers represent all dollars from 2002-2012, but the tribal numbers only represent dollars for non-negotiated settlement periods (Table on Slide 5). Sarah noted that we only have liability for 6 years past. The last 4 tribes in the table are broken out from OK because they represent tribal dollars; the rest of OK represents allottee dollars. John noted that most of OK is covered by fields with similar quality except for some leases in southwest OK. Debbie stated that we need to ensure we are following the guidance in our regulations at §1206.54(b), and the definitions of area and field at §1206.51.

Karl suggested providing a final report to the CSC at the next meeting. Debbie asked if we could begin issuing orders, once the data analysis is complete, rather than waiting for a final report. John and Theresa discussed what we did for Indian gas with respect to rescinding orders if companies have proof that their product has different characteristics (crude oil type and API gravity) than the field. Debbie asked Sarah to review the draft order language to ensure that it is legally strong.

Theresa questioned the Navajo number since it looked high given that a large portion of oil is taken in kind by the Navajo Nation. John/Karl noted that it included 10 years of data, not 6 years since it represents allottee dollars.

Debbie asked Paul if the 202 tribes would want to send out the orders. Paul stated that was unlikely, but we do want to ensure that they know that we are sending the orders out. However, we do not want to give them the option to include in audits, we just need to inform.

Sarah noted that we need to write a narrative of exactly what analysis we performed, how we estimated dollars, etc., to include with the orders when we send them out. Karl stated that Brian has already begun that write-up, and the methodology will be included as an attachment to each order.

There are a total of 330 payors over 10 years, but some dollar amounts are zero and can be ignored. Sarah asked Karl to coordinate with David Denson in Houston, and Tim Calahan, to see if all of the companies still exist or if they have merged with other companies. We will need to send separate orders for the tribes and the allottees. For each company, we will create one order per tribe, as well as one order covering all allottees for that company. For the six 202 tribes, we will inform them of our process. John mentioned that we need to ensure we properly handle the UDC/BIA amounts owed as well.

The study is moving into the compliance stage and a compliance team will need to be formed to issue orders to companies. The team will include members from ACM, AV and FM. Karl will also let DOJ know of our plan. Next steps include resolving unresolved data questions, and drafting the standard order template. Debbie asked if we could get 90% of the orders out by the end of June; Sarah noted that we need to stagger them to ensure the workload is smooth. ACM will determine the approach and coordinate with John and Karl. Debbie asked if we could use a

risk-based approach, for instance, Ft. Berthold/3 Affiliated Tribes represents 50% of the estimated outstanding liability, so perhaps start with those.

Action Items:

1. Theresa/John and the compliance team, with assistance from Karl and Brian for the methodology and data details, will provide draft order template language to the CSC before 1/31/14, and Sarah will review it to ensure that it is legally strong.
2. Karl/Brian will work on resolving the unresolved data issues and coordinate with David and Tim to identify payors.
3. Theresa/John will determine the approach, identify team members from ACM, AV and FM, and meet to determine if a risk-based approach can be used.
4. Karl will provide a final report to the CSC at the next meeting.

OGOR-C Adjustments

Action Item: Kimbra and Vicky will provide a status report of root causes at next meeting.

Data Mining Overview (handout)

Lorraine provided an in-depth presentation on Data Mining's (DM) accomplishments, work processes and challenges, and 2014 work plans. DM's goal is to be current by the end of FY 2014. Right now they are looking at the entire CY sales months. Most reports have to be created as ad hoc reports to gather all of the necessary information. The entire data mining work planning process is labor intensive, as it is mostly manual adjustments to ad hoc reports. Through FY 2013, DM has collected over \$43 million in additional collections for ONRR.

Volume Comparisons (slides 5-7): DM processes 30,000 exceptions/year, and has begun working with Accenture to streamline processes. It currently takes a month to develop the work plan once DM gets the report from Accenture, as it is a very manual process. Each analyst is assigned approximately 1200 new exceptions per year by operator. This is not part of the dashboard design because royalty data, production data and reference data are all needed before comparisons can be done. The current thresholds are very low for volume comparisons, resulting in a large number of comparisons to be worked.

RSF: The Statute of Limitations exception was a fatal edit that we have changed to a warning edit so that it doesn't prevent reports from being filed (since even one line kicking out will kick out the entire report.) Due to the extensive research DM performs on RSFA exceptions, we typically know that a company is in violation when we send the data requests out.

Net Negatives: Will be current by end of FY 2014.

Repetitive Reporting: Allen will have these current by the end of the FY. Due to the low \$ adjustments and no thresholds, there are an extensive number of exceptions to be worked.

Royalty equation: GAO is concerned that companies may be gaming us when they submit adjustments. For example, they may be initially reporting a higher rate, then making adjustments to pay a lower final royalty rate. The review of royalty rates was originally part of the REA dashboard that was designed to help with analyzing the impact of adjustments on the royalty

Non-Responsive

Non-Responsive

Action Items

ONRR-wide Compliance Measure – provide finalized spreadsheet to CSC and Mark	Bob Kronebusch
Indian Oil Major Portion 1. Theresa/John and the team – provide draft order template language to the CSC before the end of January 2. Karl/Brian – resolve open data issues; coordinate with OE to identify payors 3. Theresa/John – determine approach moving forward; identify team members from ACM/AV/FM and schedule meeting; determine if a risk-based approach can be used 4. Karl – provide final report to CSC at March meeting	See individual items for names on left
OGOR-C Adjustments – provide status report of root causes at March CSC meeting	Kimbra, Vicky
Data Mining – Lorraine will coordinate with Diane to pull the list of leases with variable royalty rates and provide to ACM. Data Mining will notify ACM or any revised or new (retroactive) agreement approvals.	Lorraine, Diane
Appeals 1. Provide updated report to include column for comments/updated status 2. Add suggested practices to STRAC agenda	Bonnie Paul
Company Analytics Report 1. Pull volumes for transportation allowance issues and analyze 2. Add to next QSC prioritization meeting agenda after FM online training has been developed (Fall 2014 at the earliest)	Jason

Next Meeting

The CSC decided that we will try to meet more frequently in order to shorten meeting times. The next meeting will be in March.

Meeting Adjourned

Non-Responsive

SOPs are now in place for LeeAnn's group.

Indian Oil Major Portion Discussion

Debbie opened a discussion on Indian Oil Major Portion under the Current Rule. We are currently not conducting major portion analysis under the existing regulations. As a result, we continue to be open to new breach of trust suits, similar to Wind River, which could lead to costly settlements.

The CSC discussed bringing this item before the QSC for prioritization, but decided that it was not a new initiative as it is already part of our mission work. John Barder will take the lead on creating a Tiger Team comprised of individuals from ACM, PRV, AV, Appeals and SIC. Karl Wunderlich will act as project manager. Other members will include Kimbra Davis, Ron House, Brian Delehanty and Heidi Badaracco. John and Karl will draft a scoping document and charter outline for the next QSC meeting. The team will possibly put out an expression of interest email for additional members. In order for ONRR to collect for major portion, we would need to issue orders.

- **Action Item** – John and Karl will draft a scoping document and charter outline to present at the next QSC meeting

Walk On Items

ONRR-wide Compliance Strategy – Bob K. is putting together a timeline of compliance activities, with input from Theresa, Jim, Roman and Bob P. The timeline will also be used to identify any gaps in compliance activities. The ACM risk tool will need to be rerun for FY14 to incorporate new information.

- **Action Item** – Bob K. will send the spreadsheet to the team for further fleshing out.

OGOR-C Adjustments – Kimbra said that there is no compliance being performed on sold inventories. We have never looked at this, no documentation is required for companies to make adjustments, but inventory sold from one company to another should show up on the buyer's documentation.

- **Action Item** – Kimbra will draft a Data Request to 20-30 operators to gather information.

Action Items

Field Fuel Reporting – new draft to be shared at the next CSC meeting	Chris Carey
Indian Oil Major Portion – draft scoping document and charter outline for the next QSC meeting	John Barder, Karl Wunderlich
ONRR-wide Compliance Measure – update at next meeting	Bob Kronebusch
OGOR-C Adjustments – draft Data Request	Kimbra Davis

Non-Responsive

Compliance Strategy Council Meeting
Meeting Minutes – March 5, 2014

Voting Members	Non-Voting Members	Other Attendees
Greg Gould	Rich Adamski	Phil Chidester
Debbie Gibbs Tschudy	John Barder	John Hovanec
Theresa Bayani	Judi Clark	Bob Kronebusch
John Mehlhoff	Kimbra Davis	Karen Osborne
Jim Steward	Roman Geissel	Mark Reynolds
	Bob Prael	Vicky Stafford
	Bonnie Robson (acting)	Ken Stamper
	Faye Stewart	
	Paul Tyler	

Approval of Previous Meeting Minutes

APPROVED. Debbie requested that we modify the process to approve minutes. When Karen sends the draft minutes out for comment, members will continue to respond with any changes they would like made. After Karen incorporates all changes, she will send the final minutes out to the members. Minutes will be considered to be approved after all comments are incorporated.

Action Items from Last Meeting

- ONGOING: Indian Oil Major Portion – see below for details
- COMPLETED: OGOR-C Adjustments – see below for details

Indian Oil Major Portion (MP) Discussion (handouts)

John provided handouts including a sample order, cover letter, and methodology. He said that they are still developing the detailed liability reports by payor and reservation, separated by allotted vs. tribal liabilities. John provided quite a bit of detail, including the following facts:

- There is approximately \$10.1 million in possible additional royalties, from 345 unique payor numbers. The top 10 payors account for approximately \$6.9 million of that total.
- Approximately \$5 million is related to the top 10 payors in Ft. Berthold.
- The data was pulled in 7/2013 to calculate MP. Judi had suggested refreshing the data to determine if MP needed to be recalculated. The data was refreshed to see the last 6 months of adjustments, but MP did not need to be recalculated. However, the new lines will be appended to the rest of the data for liability calculations. Brian will work with Ron to create complete liability reports for the orders.
- Orders for the top 10 payors will be issued towards the end of March 2014. The remaining orders will most likely be issued by then end of June 2014.

Bonnie and the Appeals group have just begun determining issues on the sample order. ONRR's risks include:

1. The regulations prescribe that if we have adequate data, we should be calculating MP by field, not area.
2. The '95 preamble to the regs state that we should not look beyond fields unless we have reasonable data sets; then we can go to areas.
3. A reservation may not qualify as an area by definition.
4. The '07 ASIA decision.
5. The '06 proposed rule change introduced the definition of designated area, but that was not adopted.

In short, the proposed methodology uses something that is not regulated. Debbie mentioned that we need to beef up our discussion on why we are using areas and not fields. John said that he was not sure of the status of Vastar, 'if practicable', but we don't collect data at the field level, so need to use areas. Debbie asked if we could bring in federal data for more field info, but those would use different prices; we would need to show that doesn't impact MP orders. The '88 regs language included allowing using federal data, and we are doing that. Debbie mentioned that if we did nothing, then we would be violating our trust responsibilities. Theresa stated that when we did this on the gas side, we were challenged. John noted that we would probably see a high percent of appeals, but we could settle.

Bonnie asked if we want SOL to look at the proposed order before sending it out. John and Bonnie are working together to draft beef up support for using area level instead of field level, if it is not practicable to do so. We will attach a high-level methodology to the order. We will also have a detailed methodology, and a summary of the detail, that will be available if needed.

Action Item: John and Bonnie will work on beefing up support for our approach on the proposed order.

The orders for allottee royalties will use data from 2002-2012. Many of the tribes already settled large parts of these periods, so the orders for tribal royalties will use data from subsets of these periods that have not already been settled.

Debbie asked if there are other risks. Bonnie and John discussed quality, and that basin data comes from many pools; we need to show similarity of character. John stated that we just need to beef up our language related to 'oil of the same type', and be clearer regarding specific API gravity. Bonnie noted that if crudes are different, we couldn't just use API, because the results would be tainted. John said that this is true for most of Indian country; for example, 99% Bakken Blend in Ft. Berthold; U&O is broken up by black wax and yellow wax. Theresa said that this is what we did to segregate types. Bonnie noted that we need factual basis on record. John noted that BLM doesn't have the data we need to back up quality. Our biggest risks are field vs. area, and quality.

Bonnie is searching a copy of the settlement agreement between DOI and tribes. John asked if we should post MP on our website now. Theresa and Judi said that we post it already, and they ignore it.

Action Item: CSC should supply comments on the draft order back to John.

OGOR-C Adjustments (handout)

Ken went through the progress on the verification project, and the use of disposition code 42, including resolution and current status of the project, detailed in the handout. Part of the discussion centered on Petrobras offshore Walker Ridge block 249 FPSO. The system offloads oil to shuttle tankers, and is a unique production operation, although we anticipate more setups like this in the future for ultra deep-water oil and gas production operations. Ken thanked Phil Chidester, Mark Reynolds, and Vicky Stafford for their work on the project. Kimbra stated that we have learned enough about it to identify potential exposures.

The royalty FMP is on the ship, but the sales FMP is onshore. This setup creates issues in meter reading comparisons, and production accounting challenges. In addition, BSEE approves pigging and line fill, but there needs to be documentation to support allowances. Future volumes and royalties could be significant from FPSOs.

Theresa noted that she is happy to work with Kimbra and PRV on identifying audit opportunities. We will also potentially need to change edits in the future, or send out dear reporter letters to address correct reporting for these operations.

Walk-Ons

Bob Prael opened a discussion on fees that have been proposed or recently instituted such as civil penalty hearing, Treasury referral, alternative reporting, self-bonding, etc. We need to ensure that our financial systems can account for the collection of various fees being assessed. As new fee types are created, we should make sure that our systems are ready to accept payment for those fees, prior to assessing them. In addition, we need to have a strategy for payment, specifying pay.gov, or another method, for payment.

Action Items

<p>Indian Oil Major Portion</p> <ol style="list-style-type: none">1. John/Bonnie – will beef up the support for our methodology in the draft order.2. CSC members should provide John with any comments on the draft order to John as soon as possible.	
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Next Meeting

The next meeting will be in May 2014.

Meeting Adjourned

Compliance Strategy Council Meeting
Meeting Minutes – March 5, 2014

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Debbie Gibbs Tschudy	John Barder	John Hovanec
Theresa Bayani	Judi Clark	Bob Kronebusch
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Bonnie and the Appeals group have just begun examining issues raised by the sample order. ONRR's risks include:

1. The regulations provide that if arm's-length transactions from a field provide an adequate sample, we should be calculating MP by field, not area.

2. The '95 preamble to the regulations state that in most cases fields will provide reasonable data sets, in which case we cannot use areas.
3. Even when MP can be calculated using an area rather than a field, we need to document the inadequacy of the field data; further, a reservation may not meet the definition of area.
4. The regulations provide that MP is to be calculated and used only if there is adequate data to do so in a manner consistent with the regulations; ONRR cannot simply use the most reasonable methodology given the data we actually have.
5. The '07 ASIA decision and proposed '14 ASIA decision both include language that is at odds with the currently proposed methodology.
6. The '06 proposed rule change introduced the definition of “designated area,” and stated that a reservation could be a “designated area,” but that rule was not adopted.

In short, the proposed methodology is not supportable under the regulations for some or all areas. Debbie mentioned that we need to beef up our discussion on why we are using areas and not fields. John said that he was not sure of the status of Vastar, [the proposed '14 ASIA decision], but we don't collect data at the field level, so need to use areas. Debbie asked if we could bring in federal data for more field info, but those would use different prices; we would need to show that doesn't impact MP orders. The '88 regulations language included allowing using federal data, and we are not doing that. Debbie mentioned that if we did nothing, then we would be violating our trust responsibilities. Theresa stated that when we did this on the gas side, we were challenged. John noted that we would probably see a high percent of appeals, but we could settle.

Bonnie asked if we want SOL to look at the proposed order before sending it out. John and Appeals are working together to draft language to beef up support for using area level instead of field level, if it is not practicable to calculate MP for individual fields. We will attach a high-level methodology to the order. We will also have a detailed methodology, and a summary of the detail, that will be available if needed.

Action Item: John and Appeals will work on beefing up support for our approach to include on the proposed orders.

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Action Items

Indian Oil Major Portion	
1. Beef up the support for our methodology in the draft orders.	John B., Appeals
2. CSC members should provide John with any comments on the draft order to John as soon as possible.	All CSC Members

Next Meeting

The next meeting will be in May 2014.

Meeting Adjourned

Non-Responsive

Some companies have already put system changes in place to report unprocessed gas using PC15, while others have not. Bob mentioned that he received a question about arm's-length POP contracts from Conoco, and will send that to Chris for follow-up. Rich said that they made a conscious decision to vet this through the QSC first, and then to STRAC after November 7th.

Action Item: Chris will send the analysis to the QSC for review.

Indian Oil Major Portion Implementation Status

John Barder confirmed that the team is on schedule to send out the Ft. Berthold orders by the end of the calendar year. They will begin issuing orders this month using the newly implemented CMP-2014 process and just need to modify a few templates. There are 29 payors on Ft. Berthold leases, and they will be sending out 42 orders since we are sending separate orders for Tribal and Allottee amounts. Both Bonnie and Greg have reviewed the orders.

Judi's team is managing 15 payors and John Barder's team is managing 14 payors, and they have made the assignments to their teams. There is potentially \$10MM in royalties. The CMP-2014 was covered in our payor training sessions this year, and in-house training for ACM will begin in the next few weeks. After Ft. Berthold orders are complete, we will continue sending out orders for all areas except Oklahoma. John Barder noted that we will probably get a high appeal rate on the orders, but we are following past precedent. Debbie said that we won't issue press releases for these orders, but perhaps should have a note in the Weekly Activity Report.

John Barder said that we want to keep track of collections. John also gave COPAS a heads-up last week at their meeting. Roger Good from IBM (on behalf of Marathon) asked if we could post prices on our internet. John said that it wouldn't be helpful with compliance and would just confuse the matter due to the number of monthly prices we would need to post.

John Barder estimates that some payors could potentially owe millions of dollars, some hundreds of thousands of dollars, and some tens of thousands of dollars. Because of Cobell, the allottee orders will only cover periods between 2008-2013, while the tribal orders will cover periods between 2002-2013 as long as there were no previous settlements.

Action Item: Rich and Debbie will follow-up with Karl to set up a brainstorming meeting on how to handle Oklahoma.

ACM's Compliance Review Strategy for Unbundling

Linda reported that they are beginning a newer aggressive approach to compliance on unbundling, and she and Bonnie have been working together to come up with order templates for CRs. We are getting requests from companies on when UCAs will be done. We've run across some issues with the audit approach, for example, salvage value, useful life, fractionation, etc., which is taking time.

They are almost done with the Pascagoula audit, which is a non-arm's length plant. But because of time constraints, we have revised the scope of the audit. The audits are not 'findings' audits, instead we are just identifying transportation and processing allowance rates. This will allow us to complete the audit more timely because we will not have to review volume, price and royalty

rate. Once we verify the processing rate, we will give companies the opportunity to correct their reporting and pay. Using CRs we will review the allowances to verify that the correct rates were applied. We will continue to conduct traditional audits to validate Doug's system.

There are two approaches to the more aggressive CR method: (1) for those where we have a UCA, (2) for those where we don't have a UCA. Under approach (1) marketable condition is an issue, certain percentages are allowed, corrective action is to unbundle, and as an alternative companies can apply the UCA or take no allowance. Companies will need to correct all properties processed at the plant for the RSFA period. Under approach (2) the alternative is for companies to take no allowance, which companies are unlikely to do.

As one example under (1), Dugan has a UCA, and is working with Judy Matlock who signed a tolling agreement. We estimate \$3 million for one company. We calculated additional royalties for 2 sample months for 1 property and requested Dugan corrected all properties (30) processed at the plant for the RSFA period. Dugan is complying with the issue letter. Another example under (1) is WPX, which is a similar case.

Under (2), Walter, does not have a UCA, so they either need to unbundle or take no allowances. Companies may submit a methodology to us, and if we determine it is reasonable, we will accept it. It is always subject to review and audit. We will need to establish that some marketable condition is occurring. The transactions are arm's length so there isn't a lot of information, but we have found some MC processes that are not allowed by reviewing high level schematics.

John Barder said that we need two things to support orders – a marketable condition issue which we need to prove with a little documentation, and that they are taking 100% of fees. We can support this under CRs and orders, which may generate a lot of work for law firms for billable hours.

Debbie asked what the COPAS reaction was. Bob said that industry is not happy with this because it involves arm's length transactions. Theresa said it should eventually reduce completion time of CRs, and we are building it into OMT. Bob noted that we will get a lot of appeals and tolling, but John Barder countered that industry can suggest reasonable methodologies. Theresa relayed that STRAC asked us to fix this as well. Debbie noted that Valdean mentioned that there could be up to \$330-400MM at risk. Doug said this could create additional work for his group so he may have to hire additional staff, and Debbie noted that we have 18 FTE dedicated to unbundling, which should be sufficient at this time.

Current and Future Compliance Measures

Karen discussed the annual report submission to the Department, and that we need to come up with a FY2015 target for our current compliance measure. Our FY2014 target was set at 90% and our FY2014 actual was 69.4%. Debbie said that the EC agreed to 52% as the number to go with for the annual plan targets for FY2015 and FY2016. Theresa said we need a true overall measure that takes into account new edits as well. Debbie noted that other edits will be put in place when the Indian Oil rule goes final, also new PRV edits.

Non-Responsive

Compliance Strategy Council Meeting
Meeting Minutes – September 4, 2013

Voting Members	Non-Voting Members	Other Attendees
Greg Gould	John Barder	Chris Carey
Debbie Gibbs-Tschudy	Judi Clark	Peter Christnacht (for Rich Adamski)
Theresa Bayani	Kimbra Davis	Doug Ginley
Jim Steward	Roman Geissel	Bob Kronebusch
	Bob Prael	Amy Lunt
	Faye Stewart	Jason Matthews
	Paul Tyler	Karen Osborne
		Linda Shishido-Sheehan
		Vicky Stafford
		Karl Wunderlich

Approval of Previous Meeting Minutes

APPROVED

Action Items from Last Meeting

- **COMPLETED:** Field Fuel Reporter Letter – AV published the letter on August 8th on onrr.gov and sent a blast email to industry. Chris Carey is coordinating with WDO to offer one-CPE, 1 ½ hour internal training sessions for Data Mining and ACM later this year so that they have the knowledge necessary to enforce. Chris will also provide information to Bob P. and John B. for their COPAS presentations. Committee members discussed the possibility of including beneficial use issues in the training, but decided not to at this time since BSEE’s NTL is not ready yet, and BSEE and BLM may not follow similar strategies in the future.
- **ONGOING:** ONRR-wide Compliance Strategy – see below for details.
- **ONGOING:** OGOR-C Adjustments – see below for details.
- **COMPLETED:** Indian Oil Major Portion – see below for details.

Indian Oil Major Portion Discussion

John and Karl provided a scoping report, including a timeline and recommendations on how we should proceed on updating the treatment of Indian Oil Major Portion in the current regulations (see handout.) For the most part, royalties have historically been paid based on gross proceeds. The team will begin by analyzing data from 2002-2012, so that arm’s-length transactions can be separated from non-arm’s-length transactions. Once the analysis is complete (Stage 1), we can begin compliance actions (Stage 2).

SOL has asked us not to analyze pending settlements. Also, we will only be looking at tribal claims, not individual allottees, except for U&O. Debbie noted that to the extent tribes have 202 agreements they may want to issue actions, so we need to include them in our process. 41 tribes currently have outstanding claims, some of which have been partly settled.

Debbie asked if we can we defend legally the MP analysis on a reservation level under our regulations. The current rule states 'field or area', so area would be the reservation. Theresa stated that this interpretation was challenged in Florida and was a major weakness in the rule. Doing analysis on a field basis would be an incredible effort.

We can't defend using the reservation level for Ft. Berthold due to the lack of sampling in a field, but could use fields we find in our analysis. John noted that for Oklahoma, we could at least group counties together as areas to reduce the 3000+ fields. Theresa noted that the State oil and gas boards each define 'area' differently. Debbie said that IONR defines 'field' as 'field=designated area=reservation' except for Ft. Berthold and U&O. John said that we should support the reservation basis because that maximizes money to the Indians.

Debbie noted that we need to split areas by oil type. Karl said that we can't actually perform any analysis at the moment because SAS is not compatible with MRMSS.

Karl provided an option paper and discussed both options. John noted that this initiative would go all the way through to a new rule. John also mentioned that one issue with the data is that some redeemed claim dates fall in the middle of the month, so we lose the rest of that month for any MP claims.

Note: IOMP team should proceed with Analysis Option 1 – unanimous vote

Action Item: Karl and John will update the CSC at the next meeting in January

ONRR-wide Compliance Strategy

Bob K. provided an updated spreadsheet of compliance activities, which incorporated ACM documents. The spreadsheet is now arranged by royalty equation category. Roman, Bob K., Bob P. and Lorraine are working on identifying the gaps, and will provide an updated spreadsheet to the CSC by the end of September.

There are over 40 open action items for OMT which Bob is now incorporating into the spreadsheet. Theresa stated that we will most likely need to change the risk-based compliance approach to cover areas of gap. Debbie noted that the BI tools should help us eliminate duplication of effort, for example, Data Mining and ACM both work on volume comparisons with different tolerances and timeframes.

Action Item: Bob K. to provide updated spreadsheet to CSC by end of September.

OGOR-C Adjustments

Vicky presented her analysis of offshore OGOR-C adjustment codes. There is almost \$2 million in potential revenue (estimating a 12.5% royalty rate) from volume differences in lines reported between 1/2011 and 3/2013, and an additional \$1.6 million in lines reported in calendar year 2010. PRV is working with BSEE on some of the volume differences; all royalty relief volume

Non-Responsive

Calculation of Indian Oil Major Portion Prices and Royalty Liability

I. Background

Since publication of the March 1988 Indian Oil rule, the Office of Natural Resources Revenue (ONRR) (formerly the Minerals Management Service's Minerals Revenue Management program) regulations have provided that:

For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.

30 C.F.R. 1206.54(a).

The regulations explain that:

[M]ajor portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

30 C.F.R. 1206.54(b).

ONRR conducted an analysis of royalty payments on oil produced from Indian leases and determined major portion prices for the period from January 1, 2002 through December 31, 2012 as well as outstanding major portion liabilities.

To determine major portion liability, ONRR took into consideration the Department of Justice's 2012 Settlement Proposal to the Obama Administration (SPOA) of numerous outstanding Indian Tribal trust claims for the period from 1985 through 2012. The SPOA resolved many Tribal oil production royalty claims (as well as unrelated non-mineral Tribal claims). Therefore, ONRR restricted its major portion analysis to Tribal oil royalty liabilities for periods not included in the SPOA. The settlements did not involve individual Indian mineral owner leases. Therefore,

ONRR performed a major portion analysis for oil royalty liabilities associated with individual Indian mineral owners for the entire January 1, 2002 through December 31, 2012 period.

II. Calculating Major Portion Prices and Additional Royalty Liability

A. ONRR first collected all royalty lines reported to ONRR on Form ONRR-2014 with Product Codes 01 (oil) and 02 (condensate), Transaction Codes 01 (sales), 06 (royalty-in-kind), 10 (compensatory royalty), 40 (net profit share), and ARMS Sales Type Code for the period from January 1, 2002 through December 31, 2012 for oil and condensate sold at arm’s-length from Indian leases.

B. We then refined the data to remove lines that were clearly misreported - monthly net negatives, negative prices, outlier prices, and zero volumes.

C. We then segregated the lines from B above into the following 16 designated areas:

Reservations			
Ft. Berthold/Three Affiliated Tribes	Fort Peck (Assiniboine & Sioux)	Crow	Jicarilla
Uintah and Ouray – Uintah and Grand Counties	Blackfeet	Michigan	Chickasaw and Choctaw (OK)
Uintah and Ouray – Duchesne County	Ute Mountain Ute	Wind River	Sac and Fox (OK)
Chyenne and Arapaho (OK)	Turtle Mountain	Navajo	State of Oklahoma

Most of the designated areas are reservations. We considered these to be an “area” in order to obtain a reasonable sample under 30 C.F.R. 1206.54(b).¹ We also made the reasonable assumption that oil within each designated area would have similar quality, economic, and legal characteristics.

D. Next, ONRR determined major portion prices for each designated area in accordance with 30 C.F.R. 1206.54(b).

E. Because we recognize not all oil from a designated area may not have the same gravity, we normalized/adjusted each reported royalty line within a designated area to the same degree API gravity. We used company or refiner-posted gravity adjustment tables for each designated area to adjust to the same degree API gravity

¹ An “area” is defined as “a geographic region *at least as large as* the defined limits of an oil and/or gas field in which oil and/or gas lease products have similar quality, economic, and legal characteristics. 30 C.F.R. 1206.51 (emphasis added).

for each royalty line reported within the designated area. For example, we would compare the gravity in a line reported in the Uinta & Ouray designated area to the gravity in Chevron's posted equation for Altamont Yellow Wax and Uinta Black Wax and make the following adjustments to price:

Deduct \$0.015/bbl for each .1 degree API below 40.0° API
Deduct \$0.015/bbl for each .1 degree API above 45.0° API

F. Because we recognize not all oil from a designated area may be sold to the same market, we adjusted/normalized the calculated unit price (reported sales value divided by sales volume reported in the Form ONRR-2014) on each royalty line by netting any transportation reported for the same payor/lease/agreement/month to arrive at a unit price back at the designated area.

G. ONRR then determined the monthly major portion prices for each designated area using the normalized prices from E and F above. We determined the prices by sorting each month's prices, from low to high, and determined the price that represented the 50th percent plus 1 barrel of oil starting from the bottom. This calculation was repeated for each month in each designated area.

H. Next, we compared the major portion prices calculated under G above to each royalty line reported (adjusted as discussed above in E and F for API gravity and transportation). Where the major portion price exceeded the calculated unit price on each royalty line, the difference between calculated unit price (adjusted as discussed above for API gravity and transportation) and the major portion price resulted in additional royalties due.

I. The additional royalties due represent what each company owes based on a major portion price in each designated area for each line, for each month during the period January 1, 2002 through December 31, 2012 (less any periods for Tribal oil covered by the SPOA).

Compliance Strategy Council Meeting
June 26, 2013
Indian Oil Major Portion Under the Current Rule
Proprietary for Government use Only

Issue

The Indian Oil Valuation Negotiated Rulemaking (IONR) Committee was established to develop specific recommendations for revising the existing regulations for implementing the major portion for oil produced from Indian leases. Any resulting changes in the regulations will be prospective only.

In the meantime, ONRR is not currently conducting major portion analysis under the existing Indian oil valuation regulations. We have had numerous breach of trust suits that include major portion claims, resulting in costly settlement agreements, and we continue to be open to future suits unless we proactively pursue Indian oil major portion under the current regulations.

This briefing for the Compliance Strategy Council is to gain concurrence to move forward with scoping an analysis of the resources necessary to implement major portion for oil under the current regulations and to present this initiative at the next QSC prioritization meeting.

Background

The current Indian Oil regulations were published in the Federal Register (FR) on January 15, 1988, and became effective in March 1, 1988. On December 17, 2007, ONRR published a final rule addressing technical amendments and committed to forming an Indian Oil Valuation Negotiated Rulemaking Committee (Committee) to address the major portion lease provision for crude oil.

The current regulations state following with respect to major portion:

- (a) For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.
- (b) For purposes of this paragraph, major portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

Wind River Tribe Settlement – DOJ settled Phase 1 for \$12 million in 2004 after approximately 15 years. (b) (5)

S. Ute Decision – In a case involving Burlington, the former MRM calculated major portion prices for gas produced from the Southern Ute reservation prior to the 2000 Indian gas valuation regulations. Burlington challenged MRM’s order to pay additional royalties. The IBLA ruled that under the existing regulations, MRM must calculate major portion prices using arm’s-length contracts.

After 2001, MRM modified the Form MMS-2014 to include a Sales Type Code (STC) field and required payors to report arm’s-length sales as a separate STC (ARMS).

Proposal for Calculating Major Portion for Crude Oil Under the Existing Regulations

- (b) (5)
-
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Compliance Strategy Council Meeting
June 26, 2013
Indian Oil Major Portion Discussion
CLOSE HOLD

Issue

The Major Portion (MP) valuation requirement in the current Indian Oil regulations is prospective only, and implemented only “where practicable”. As a result, we are limited in our ability to collect prior period adjustments related to MP during compliance activities. In addition, we have had numerous Breach of Trust suits that include MP claims, resulting in costly settlement agreements, and we continue to be open to future suits unless we proactively develop new regulations specifically related to Indian Oil MP valuation. This briefing for the Compliance Strategy Council is to gain concurrence to either move forward with scoping an analysis, or preparing an additional briefing for the QSC if warranted.

Background

The current Indian Oil regulations were published in the Federal Register (FR) on January 15, 1988. On December 17, 2007, a final rule addressing technical amendments was published in the FR. After publication, ONRR started the process of forming the Indian Oil Valuation Negotiated Rulemaking Committee (Committee). The Committee was established to develop specific recommendations regarding proposed revisions to the existing regulations for the Major Portion calculation for oil produced from Indian leases. After administrative delays, the Committee was established in December 2011. The Committee met 5 times in 2012 and in April of 2013.

The current regulations apply to all oil produced from Indian (tribal and allotted) oil and gas leases, except for leases on the Osage Indian Reservation, Osage County, Oklahoma. For arm’s-length sales, the value of Indian Oil production is based on the higher of Gross Proceeds or an ONRR-calculated Major Portion (MP) value. MP is the price at which 50% by volume + 1 barrel of oil is sold. Note that for Indian Gas, Major Portion is set at 75% by volume.

The Committee has discussed a number of methodologies for calculating MP. At the most recent meeting (April 2013) Committee members reached general agreement on a number of components of a proposed rule (see Recommended Regulatory Changes below).

Current Regulatory Reference

§ 1206.54 How do I fulfill the lease provision regarding valuing production on the basis of the major portion of like-quality oil?

(a) For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.

(b) For purposes of this paragraph, major portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be

calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

Associated Breach of Trust Litigation

Wind River Tribe Settlement – Phase 1 was settled for \$12MM in 2004 after approximately 15 years. (b) (5)

[Redacted]

[Redacted]

S. Ute Decision – The IBLA came to a decision regarding MP prices for past periods for Indian Gas in 1999/2000. After we collected prior period adjustments for MP for certain cases during 1984-1995, IBLA determined that we can no longer collect prior period adjustments for MP on Indian Gas from 1999 forward.

(b) (5)

Proposal for Calculating Major Portion

(b) (5)

(b) (5)

Recommended Regulatory Changes

(b) (5)

(b) (5)

Benefits to Industry

- ONRR assumes administrative burden of calculating and publishing MP values
- MP values are readily accessible to simplify payor compliance with MP provisions of leases
- Interest does not begin to accrue until 60 days after ONRR publishes MP values, consistent with the Indian Gas rule

Challenges to Industry

- Additional reporting burden associated with lessees reporting API gravity and crude oil type on the 2014
- Prior-period adjustments required once major portion values are published

Assessment of Outstanding Royalty Liabilities for Indian Oil Production: 2002 -2012

Scope and Timeline

I. Project Summary

Since publication of the March 1988 Federal and Indian Oil Rule (Rule), ONRR (previously MMS) has been required to value for royalty purposes Indian oil produced from Indian lands on the higher of gross proceeds for the sale of Indian oil or a major portion (MP) value where the MP value is calculated as the price at which 50% by volume + 1 barrel of like quality oil is sold (30 CFR §1206 Subpart B). Nevertheless, because these regulations allowed ONRR to calculate MP values “*where practicable*” (30 CFR §1206.54(a)), and because of legal decisions regarding Indian gas MP, ONRR has not conducted MP analyses for many, if not most, of the years since 1988. Royalties were primarily paid based on gross proceeds with little consideration to a MP value.

ONRR and the Department of Justice have settled numerous suits concerning Indian trust responsibilities. Per the DOJ Solicitor, many of these suits are “global settlements” and include major portion claims. We are scoping which tribes have already settled, to include MP, and for which time periods, (see Stage 1, below). ONRR will remain vulnerable to future suits unless we calculate Indian oil major portion under the current regulations for past periods and collect additional royalties due for Tribes and time periods that have not yet been settled.

During the June 26, 2013, meeting of the Compliance Strategy Council (CSC), members supported creating a team to analyze the potential of calculating MP prices and additional royalties due for Indian oil production under the current regulation. While MP should have been calculated since the publication of the 1988 rule, the CSC chose to begin the analysis in 2002 after the Form ONRR-2014 was modified to distinguish between arm’s length and non-arm’s length sales. The analysis will carry forward through 2012. In addition, based on the results of the analyses, a compliance team may be formed to send issue letters to payors with outstanding MP liabilities. Therefore, this project will have two discrete stages: an analysis stage and a compliance stage.

II. Stage 1: Analysis

A. Study Population – The 2012 Settlement Proposal to the Obama Administration (SPOA), administered by the Department of Justice, settled lawsuits filed by 41 tribes concerning mismanagement of trust assets from 1985-2012, some of which included oil production royalty claims. Other tribes still have settlements pending while some tribes currently have no claims. In collaboration with the Department of the Interior’s Office of the Solicitor, the analysis team identified all tribes/reservations that have either settled claims, have pending settlements, or have outstanding MP liabilities with respect to Indian oil production. In almost all cases, SPOA did not address allottees (Uintah & Ouray is the only exception).

Table 1, below, lists all oil producing tribes, any settlements reached, and the time period for those settlements. The analysis team will not study MP for periods that have been settled. In addition, the Solicitor’s Office has asked that we do not conduct any analyses on tribes that have pending settlements. This leaves only a subset of the oil producing tribes that includes a few tribes with no settlements and the periods following settlement for those tribes not awaiting settlement and all oil producing allotted properties except for the Ute allotted.

TABLE 1: SETTLEMENTS AND REMAINING ANALYSIS PERIODS

Tribe/Reservation	Release of Claims Date	Amount	Remaining Analysis Period
Ft. Berthold/Three Affiliated Tribes	3/15/2009	Not specified – no breakout for oil vs gas	4/2009 - 12/31/2012 (3.5 yrs.)
Uintah and Ouray	3/08/2012		4/2012 - 12/31/2012 (9 months)
Cheyenne and Arapahoe (OK)	?/2010	\$49,205	2011 - 12/31/2012 (2 yrs approx.)
Fort Peck (Assiniboine & Sioux)	10/11/2012	\$292,689	11/2012 - 12/31/2012 (2 months)
Blackfeet	4/16/2012	\$164,287	5/2012 - 12/31/2012 (8 months)
Ute Mountain Ute	5/21/2012	\$304,130	6/2012 - 12/31/2012 (7 months)
Chippewa Cree/Rocky Boy	10/11/2012	\$226	11/2012 - 12/31/2012 (2 months)
Turtle Mountain	-		1/2002 - 12/31/2012 (10 yrs.)
Crow	-		1/2002 - 12/31/2012 (10 yrs.)
Michigan	-		1/2002 - 12/31/2012 (10 yrs.)
Wind River	Pending		
Navajo	Pending		
Jicarilla	Pending		
Chickasaw and Choctaw (OK)	Pending		
Sac and Fox (OK)	Pending	\$9,857	

Table 1 shows that five tribes are currently in settlement proceedings and are pending a decision. Of the remaining tribes/reservations, three have no SPOA settlements and these tribes have the smallest oil production of all oil producing tribes. In fact, some of these smaller tribes have only one payor over a period of several years, effectively eliminating the possibility of calculating any MP. Six other tribes have post-settlement periods ranging from two years to one month, except Ft. Berthold, which has a post-settlement period of nearly four years.

As a result of preexisting SPOA settlements and pending settlements that are likely to have release of claim dates similar to those already settled, the population of tribes for MP analyses is unexpectedly small, while all allottees, with the exception of a subset of Uintah & Ouray allottees, remain to be studied. Two approaches for conducting the analyses are possible but require consideration by the CSC.

Option 1. First analyze all allottees, the three tribes with no settlements and Ft. Berthold. Due to Ft. Berthold's sizeable production, the MP analysis could still yield substantial liabilities. The CSC could then determine which of the other settled tribes would also be worthy of analysis. Since the analysis method would already be in place, examining pending tribes could wait until settlements are reached.

Option 2. Alternatively, the analysis team could analyze all allottees first and wait until mid-2014 to analyze tribal MP liabilities through 2013, rather than 2012, thereby gaining slightly larger liability amounts and bringing the analysis closer to the publication of the new Indian oil rule. Pending settlements may be reached by 2014 as well thereby opening more tribes to analysis.

Recommendation: The Team recommends Option 1 since it has the potential to identify the largest amount of liabilities as quickly as possible. Furthermore, Ft. Berthold should be analyzed first as it is the single largest tribe in terms of production and potential post-settlement liabilities.

B. Analysis of Remaining Tribes/Reservations - The analysis team intends to use the following steps for analyzing potential MP oil revenues for producing reservations and allottees that have not settled the MP issue or have settled but only a portion of the period between 2002 and 2012.

- i. Select for product codes 01 and 02.
- ii. Clean overall data to remove adjustments, anomalies or other data entry errors.
- iii. Remove all non-arm's length sales, based on sales type code. The analysis will be for arm's length sales, only, per the regulations.
- iv. Conduct MP analyses by field or designated area.
- v. For each field or designated area, calculate price based on sales value and sales volume, normalized for crude type, API gravity and transportation.
- vi. By month, create an array of royalty lines from highest price to lowest price with associated volumes.
- vii. Calculate the monthly MP (50% + 1 barrel) for each month and identify each line and corresponding volume, where the price is reported lower than the MP price.
- viii. For each line whose value is less than the MP, calculate the potential additional royalty owed by taking the difference between the actual royalty paid and the royalty, based on the MP price.
- ix. Sum the potential additional royalty for each payor by month and year for each tribe and allottee group.

C. Analysis Team and Resource Requirements

John Barder, Project Sponsor
Heidi Badaracco
Brian Delehanty
Ron House
Karl Wunderlich, Project Manager

The attached Gantt chart details the Stage 1 resource requirements. Most of the analysis effort will be by one analyst in consultation with the project manager. A summary of the results will be provided to the CSC for consideration prior to starting the compliance stage.

III. Stage 2: Compliance

This stage will proceed after the analysis team has a confident assessment of remaining liabilities. The degree to which liabilities will be pursued should be determined by the CSC. The size of the compliance team is dependent on the amount of liabilities outstanding resulting from the Stage 1 analyses.

- i. Form a compliance team composed of a supervisor and two to four staff to send issue letters to all payors with unique analyses for each respective payor showing underpayment of royalties.
- ii. Allow a reasonable amount of time (per the regulations) for payment of underpayment amounts.

**Wunderlich, Karl** <karl.wunderlich@onrr.gov>

Oil MP Project

3 messages

House, Ronald <ronald.house@onrr.gov>

Wed, Jul 30, 2014 at 2:13 PM

To: John Barder <john.barder@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>

I spoke with Rochelle Thompson yesterday, and she said BLM gave her a table that ties leases to geologic formations. That was news to me and if that may help you, give her a call.

—
Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jul 31, 2014 at 7:44 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

I don't think this will help. I'm able to match about half of the lines to a formation and half of those matched are some variation of "Bakken".

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Jul 31, 2014 at 7:55 AM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Plus, I think you have done enough at this point. Seems like it is up to the group to look at your data and determine next steps.

[Quoted text hidden]

—

*Karl Wunderlich**Asset Valuation**Office of Natural Resources Revenue*

2/6/2015

DEPARTMENT OF THE INTERIOR Mail - Oil MP Project

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Updated Checklist from MP analysis meeting: May 27

4 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, May 27, 2014 at 1:34 PM

To: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

See attached from today's meeting

-K

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Indian Oil Major Portion Checklist by Tribe May 27, 2014.docx

46K

Clark, Judith <judith.clark@onrr.gov>

Tue, Jun 10, 2014 at 4:57 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Hi Karl, Do you by chance have an update from the May 30th meeting? Thank you!

Judi Clark

Program Manager

Western, Audit & Compliance

303-231-3537

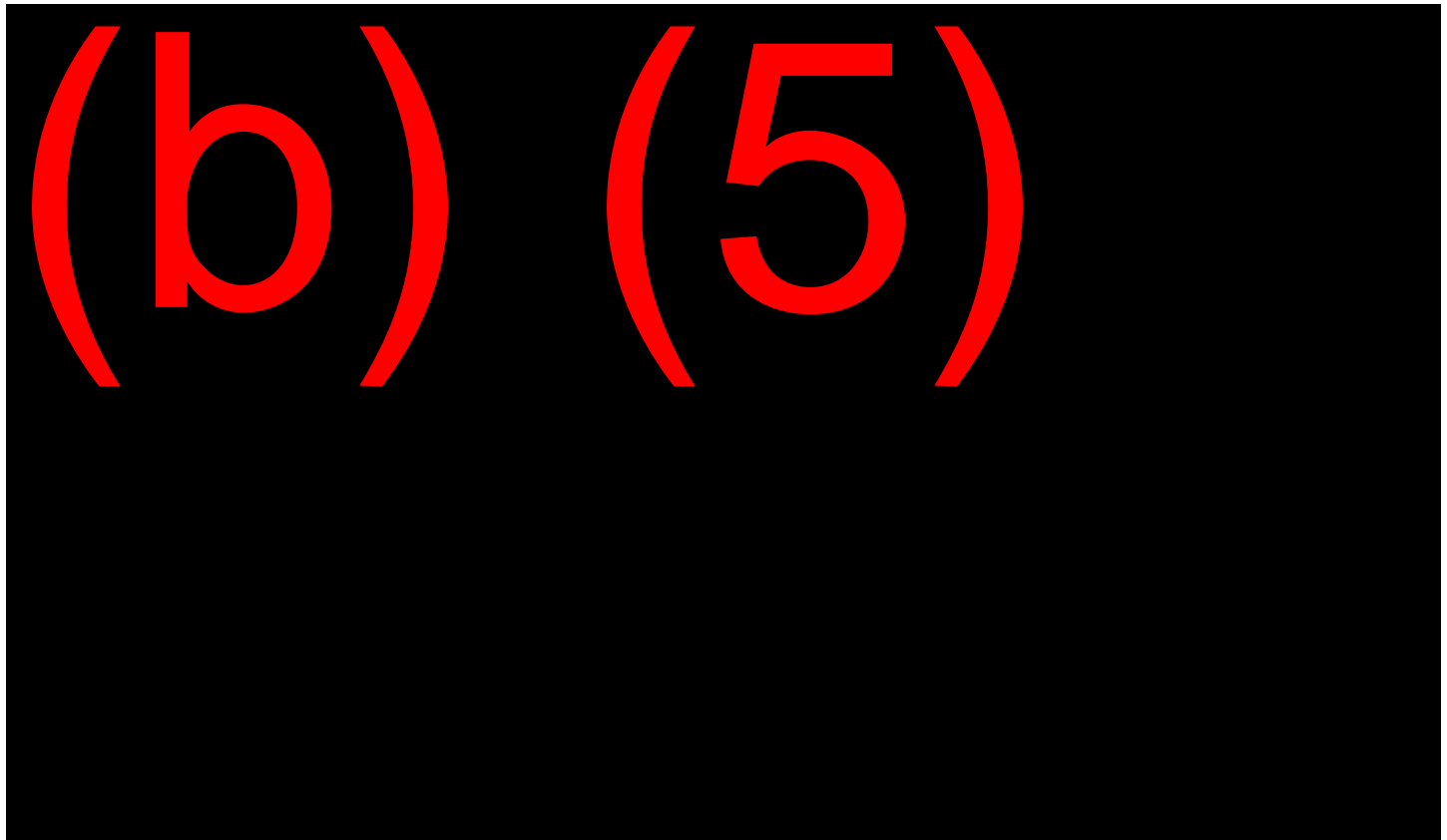
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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Clark, Judith" <judith.clark@onrr.gov>

Wed, Jun 11, 2014 at 10:57 AM

Judy



-Karl

[Quoted text hidden]

Clark, Judith <judith.clark@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Wed, Jun 11, 2014 at 4:36 PM

Thanks Karl. Didn't know if the document we were keeping was updated from the last one you sent out. Thanks!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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2/6/2015

DEPARTMENT OF THE INTERIOR Mail - Updated Checklist from MP analysis meeting: May 27

[Quoted text hidden]

**Checklist for Field vs Area
Indian Oil Major Portion Analysis**

(b) (5)

(b) (5)

(b) (5)

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive


Non-Responsive

Non-Responsive

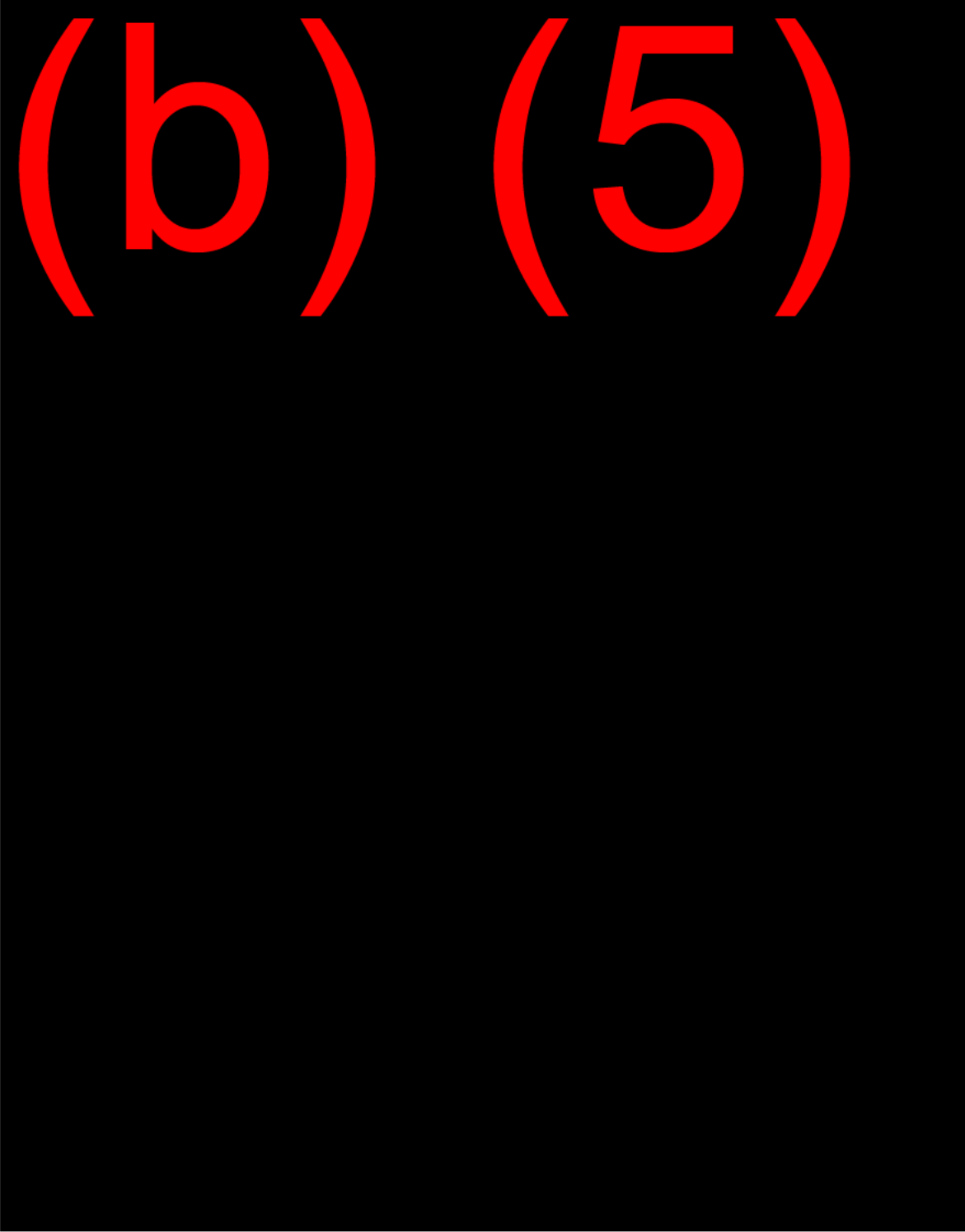
Non-Responsive

Application of Checklist to Ft. Berthold

(b) (5)

A black rectangular redaction box covers the text below the title. The text "(b) (5)" is visible at the top left of this redacted area.

(b) (5)

A large black rectangular redaction box covers the majority of the page content. The text "(b) (5)" is written in large red font at the top of this redacted area.

(b) (5)

Non-Responsive

Non-Responsive



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Questions on Indian MP analysis

6 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Aug 13, 2013 at 4:18 PM

To: Holly Clement <holly.clement@sol.doi.gov>

Cc: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>, Heidi Badaracco <heidi.badaracco@onrr.gov>

Holly,

A few more clarifying questions. Thanks in advance for your help on this. Very appreciated!!

Heidi's table is attached for reference.

1. (b) (5) [Redacted]

2. (b) (5) [Redacted]

3. (b) (5) [Redacted]

4. (b) (5) [Redacted]

4a. (b) (5) [Redacted]

5. (b) (5) [Redacted]

6. (b) (5) [Redacted]

Thanks again,
Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

 **Oil Major Portion Project Scoping (5).xlsx**
19K

Clement, Holly <holly.clement@sol.doi.gov>

Wed, Aug 14, 2013 at 8:21 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>, Heidi Badaracco <heidi.badaracco@onrr.gov>

Karl, I am not sure my edits on the earlier reports were captured so I inserted them in the attached. Can you see the comments? Maybe it is a program problem with my review panel on word. The comments appear as red notches or flags.

See after reviewing this if you have any questions left. I have not yet received the updated U& O figures. I would use what you have for now.

[Quoted text hidden]

--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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 **HHC comments on Oil Major Portion Project Scoping (5).xlsx**
20K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Clement, Holly" <holly.clement@sol.doi.gov>

Thu, Dec 12, 2013 at 9:20 AM

Holly,
Hope your holidays have been well. (b) (5)

[Redacted]

Thanks,
Karl

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

[Quoted text hidden]

[Quoted text hidden]

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Clement, Holly <holly.clement@sol.doi.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Thu, Dec 12, 2013 at 1:17 PM

Hi Karl, (b) (5)

[Redacted]

[Redacted]

Hope this helps,

Holly

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Dec 12, 2013 at 1:19 PM

To: "Barder, John" <John.Barder@onrr.gov>, Heidi Badaracco <heidi.badaracco@onrr.gov>

see below for your information and interpretation. (b) (5)

-Karl

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Dec 12, 2013 at 1:20 PM

To: "Clement, Holly" <holly.clement@sol.doi.gov>

OK, thanks Holly.

-Karl

[Quoted text hidden]

Oil Major Portion Settlements
Scoping
General Scope: 2002 - 2012
(Note 1)

Sponsor: John Barder
Project Manager: Karl Wunderlich
Team Members: Ron House, Brian Delehanty, Heidi Badaracco

Tribe/Reservation	(b) (5)	Comments
(b) (5)		

(b) (5)

(b)

(5)

(b) (5)

Oil Major Portion Settlements
Scoping
General Scope: 2002 - 2012
(Note 1)

Sponsor: John Barder
Project Manager: Karl Wunderlich
Team Members: Ron House, Brian Delehanty, Heidi Badaracco

Tribe/Reservation	(b) (5)	Comments
(b) (5)		

(b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

MP study scoping paper

2 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: Karen Osborne <karen.osborne@onrr.gov>

Mon, Sep 9, 2013 at 3:36 PM

For your CSC records.
-Karl

-

[Karl Wunderlich](#)

[Asset Valuation](#)

[Office of Natural Resources Revenue](#)

[U.S. Department of the Interior](#)

[303-231-3663 \(office\)](#)

karl.wunderlich@onrr.gov



Scope and Timeline_v3.docx

46K

Osborne, Karen <karen.osborne@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Tue, Sep 10, 2013 at 7:13 AM

Thanks!

Karen L. Osborne
Supervisory Management & Program Analyst, Program Support
[Office of Natural Resources Revenue](#)
(303) 231-3739
karen.osborne@onrr.gov

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[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

MP analysis project

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Aug 27, 2013 at 12:46 PM

To: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>

Cc: "Barder, John" <John.Barder@onrr.gov>

Debbie,

Attached is the scoping paper for the Indian MP project. I plan to present this to the CSC along with the attached timeline/Gantt chart (big thanks to Megan Petko). (b) (5)

I hadn't heard of it and I suspect others in the CSC would be interested as well. Hopefully you can take a look at it in the next day or so. I am on leave Thurs and Friday and all of next week but Wednesday. If you can't get to it by Wednesday, I'll keep an eye out for your comments while I am out.

Thanks,

Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

2 attachments



Scope and Timeline_v3.docx

40K



Stage 1 Indian Oil Major Portion Analysis.pdf

108K

Stage 1: Indian Oil Major Portion Analysis

ID	Task Name	Duration	Resource Names	1, '13		Sep 8, '13		Sep 15, '13		Sep 22, '13		Sep 29, '13		Oct 6, '13		Oct 13, '13		Oct 20, '13		Oct 27, '13				
				T	W	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T

(b) (5)

Assessment of Outstanding Royalty Liabilities for Indian Oil Production: 2002 -2012

Scope and Timeline

I. Project Summary

Since publication of the March 1988 Federal and Indian Oil Rule (Rule), ONRR (previously MMS) has been required to value for royalty purposes Indian oil produced from Indian lands on the higher of gross proceeds for the sale of Indian oil or a major portion (MP) value where the MP value is calculated as the price at which 50% by volume + 1 barrel of like quality oil is sold (30 CFR §1206 Subpart B). Nevertheless, because these regulations allowed ONRR to calculate MP values “*where practicable*” (30 CFR §1206.54(a)), and because of legal decisions regarding Indian gas MP, ONRR has not conducted MP analyses for many, if not most, of the years since 1988. Royalties were primarily paid based on gross proceeds with little consideration to a MP value.



During the June 26, 2013, meeting of the Compliance Strategy Council (CSC), members supported creating a team to analyze the potential of calculating MP prices and additional royalties due for Indian oil production under the current regulation. While MP should have been calculated since the publication of the 1988 rule, the CSC chose to begin the analysis in 2002 after the Form ONRR-2014 was modified to distinguish between arm’s length and non-arm’s length sales. The analysis will carry forward through 2012. In addition, based on the results of the analyses, a compliance team may be formed to send issue letters to payors with outstanding MP liabilities. Therefore, this project will have two discrete stages: an analysis stage and a compliance stage.

II. Stage 1: Analysis

A. Study Population – (b) (5) [Redacted]

Table 1, below (b) (5) [Redacted]

TABLE 1: (b) (5) [Redacted]

(b) (5)

Table 1 shows (b) (5) [Redacted]

(b) (5)

Recommendation: (b) (5) Furthermore, Ft. Berthold should be analyzed first as it is the single largest tribe in terms of production and potential post-settlement liabilities.

B. Analysis of Remaining Tribes/Reservations - (b) (5)

(b) (5)

C. Analysis Team and Resource Requirements

John Barder, Project Sponsor
Heidi Badaracco
Brian Delehanty
Ron House
Karl Wunderlich, Project Manager

The attached Gantt chart details the Stage 1 resource requirements. Most of the analysis effort will be by one analyst in consultation with the project manager. A summary of the results will be provided to the CSC for consideration prior to starting the compliance stage.

III. Stage 2: Compliance

This stage will proceed after the analysis team has a confident assessment of remaining liabilities. The degree to which liabilities will be pursued should be determined by the CSC. The size of the compliance team is dependent on the amount of liabilities outstanding resulting from the Stage 1 analyses.

- i. Form a compliance team composed of a supervisor and two to four staff to send issue letters to all payors with unique analyses for each respective payor showing underpayment of royalties.
- ii. Allow a reasonable amount of time (per the regulations) for payment of underpayment amounts.



Wunderlich, Karl <karl.wunderlich@onrr.gov>

2002-2012 MP analysis scoping paper

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Aug 13, 2013 at 2:16 PM

To: "Barder, John" <John.Barder@onrr.gov>

Please give comments/guidance/etc on this draft. Lets talk about the right strategy from here.

-K

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov



Scope and Timeline.docx

38K

Scope and Timeline

I. Project Summary

Since publication of the January 1988 Federal and Indian Oil Rule, ONRR (MMS) has, by regulation, valued oil produced on Indian leases as the higher of monthly gross proceeds or a major portion value (MP) where the MP is calculated as the price at which 50% by volume + 1 barrel of like quality oil is sold (30 CFR §1206 Subpart B).

Nevertheless, because these regulations allow ONRR to defer MP calculations to *where practicable* (30 CFR §1206.54(a)), ONRR has not conducted MP analyses for many, if not most, of the years since 1988. Royalties were paid based on gross proceeds regardless of prices relative to the major portion value. (b) (5)

During the June 26, 2013 meeting of the Compliance Strategy Council (CSC), members supported developing a team to analyze potential MP liabilities for Indian oil production. While MP should have been calculated since the publication of the 1998 rule, the CSC chose to begin the analysis in 2002 when the MMS-2014 form was modified to distinguish between arm's length and non-arm's length sales and carry forward ten years through 2012. In addition, based on the results of the analyses, a separate compliance team may be formed to send issue letters to payors with outstanding liabilities. Therefore, this project will have two discrete stages: an analysis stage and a compliance stage.

II. Stage 1: Data Analysis

a. Study Population – (b) (5)

(b) (5)

(b) (5)

TABLE 1: (b) (5)

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Table 1 shows (b) (5) [REDACTED]

[REDACTED]

b. Analysis of Remaining Tribes/Reservations - (b) (5)

[Redacted content]

c. Analysis Team

- John Barder, Project Sponsor
- Heidi Badaraco
- Brian Delehanty
- Ron House
- Karl Wunderlich, Project Manager

III. Stage 2: Compliance

This stage will proceed after the analysis team has a confident assessment of remaining liabilities. The degree to which liabilities will be pursued should be determined by the CSC.

- i. (b) (5)
- ii. (b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

MP OII - settlements and pending cases

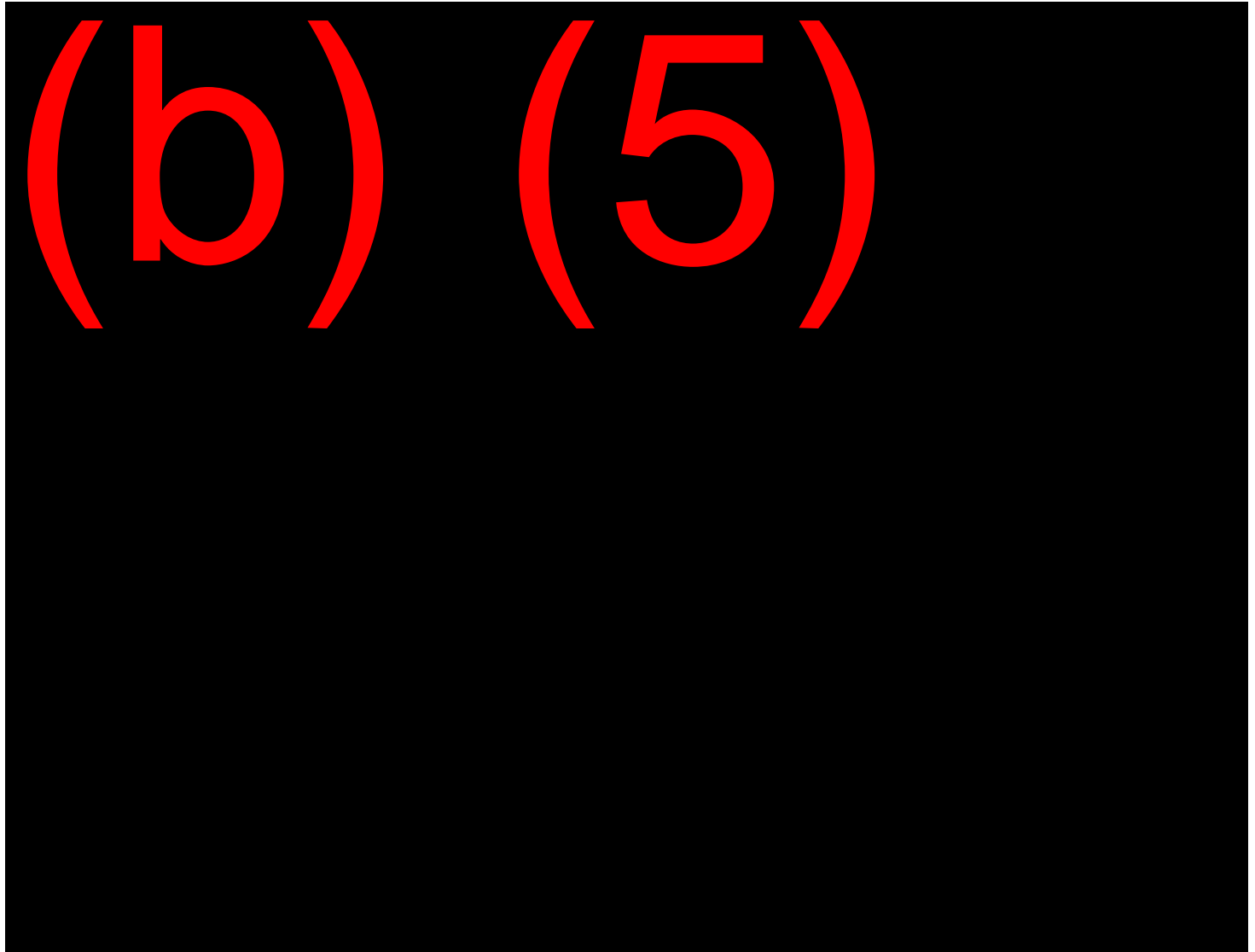
14 messages

Clement, Holly <holly.clement@sol.doi.gov>

Fri, Aug 2, 2013 at 8:03 AM

To: Heidi Badaracco <heidi.badaracco@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Heidi,



I am here all day, call me if you have any questions.

Holly

--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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Clement, Holly <holly.clement@sol.doi.gov>

Fri, Aug 2, 2013 at 9:29 AM

To: Heidi Badaracco <heidi.badaracco@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Heidi and Karl, (b) (5)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

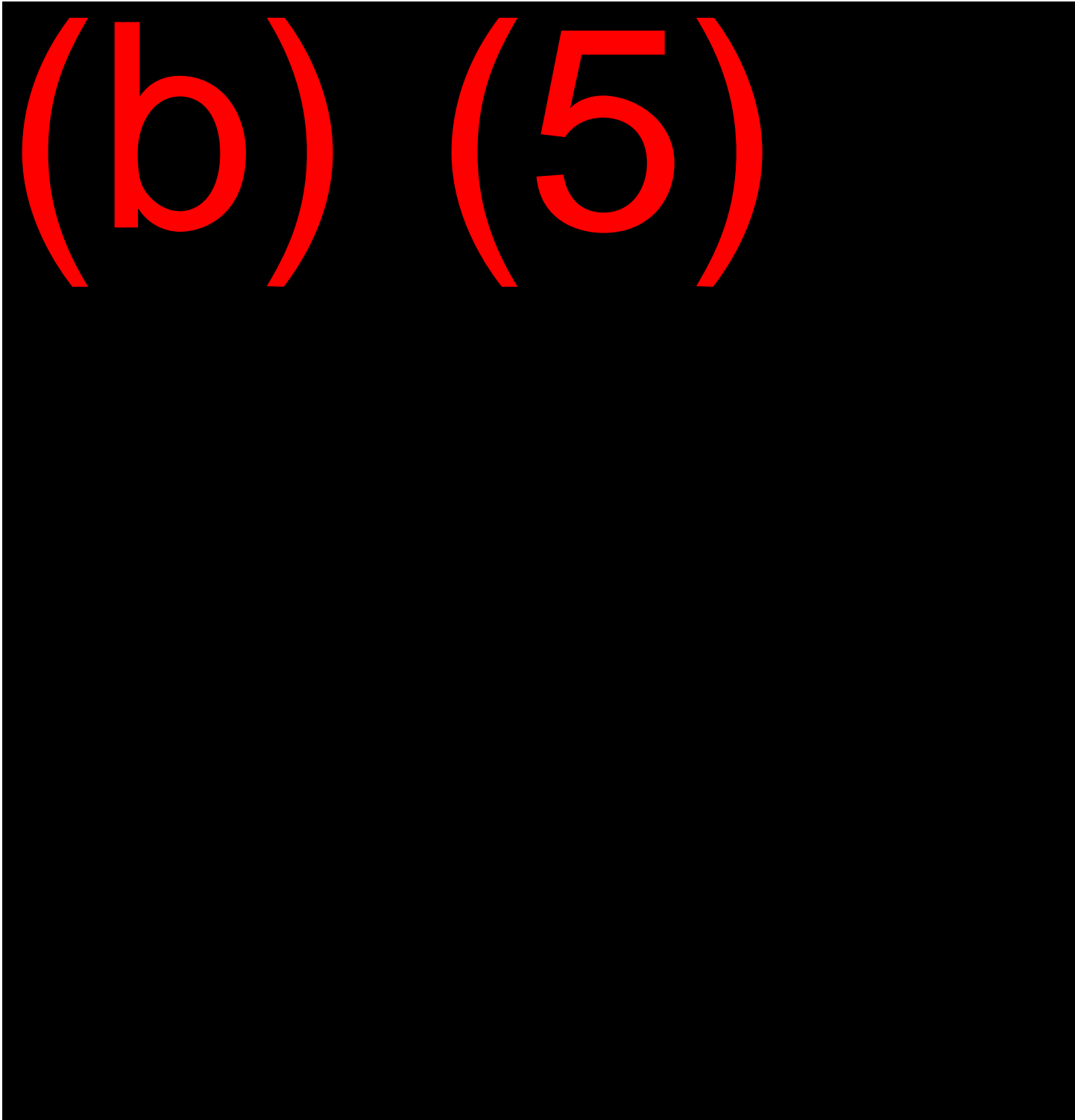
[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



Hope all this helps,

Holly

”
[Quoted text hidden]

Badaracco, Heidi <heidi.badaracco@onrr.gov>
To: "Clement, Holly" <holly.clement@sol.doi.gov>
Cc: Karl Wunderlich <karl.wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

Mon, Aug 5, 2013 at 8:48 AM

Holly - thanks for the updates. I also received voice message. I have updated the spreadsheet. For now, I just placed the information that you provided, below, on the 2nd tab. I am attaching updated Spreadsheet, if you would like to review at your convenience. If you read Note 2, you will see (b) (5)

Thanks, Again,

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

[Quoted text hidden]

 Oil Major Portion Project Scoping.xlsx
18K

Clement, Holly <holly.clement@sol.doi.gov> Mon, Aug 5, 2013 at 10:14 AM
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>
Cc: Karl Wunderlich <karl.wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

Heidi, I have revised your list. The comment/edits are shown as little red marks. I revised your note 5 as well. Hope this helps.

Holly
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov> Mon, Aug 5, 2013 at 10:15 AM
To: "Clement, Holly" <holly.clement@sol.doi.gov>

Holly,
Was something supposed to have been attached?
-Karl

[Quoted text hidden]

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

Clement, Holly <holly.clement@sol.doi.gov> Mon, Aug 5, 2013 at 10:16 AM
To: Heidi Badaracco <heidi.badaracco@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>

[Quoted text hidden]

[Quoted text hidden]



REV Oil Major Portion Project Scoping (2).xlsx
20K

Clement, Holly <holly.clement@sol.doi.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Mon, Aug 5, 2013 at 10:17 AM

Our e-mails crossed. Hope you have it now. Holly
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Clement, Holly" <holly.clement@sol.doi.gov>

Mon, Aug 5, 2013 at 2:11 PM

Yep, got it. Thanks!
-Karl
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Clement, Holly" <holly.clement@sol.doi.gov>

Wed, Aug 7, 2013 at 8:54 AM

Holly,
Sorry I haven't gotten back to you sooner. We have an Indian oil FACA committee that is meeting this week.

(b) (5)

Thanks,
Karl

P.S. If you have any questions today I will try to get back to you ASAP but I am in the FACA meetings again.
[Quoted text hidden]

Clement, Holly <holly.clement@sol.doi.gov>
To: Karl Wunderlich <karl.wunderlich@onrr.gov>
Cc: Heidi Badaracco <heidi.badaracco@onrr.gov>, John Barder <john.barder@onrr.gov>

Wed, Aug 7, 2013 at 9:14 AM

Privileged and Confidential - Do Not Di close

Karl, **(b) (5)**

[Redacted]

[Redacted]

(b) (5) [Redacted]

[Redacted]

Holly
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Clement, Holly" <holly.clement@sol.doi.gov>

Wed, Aug 7, 2013 at 9:39 AM

Don't worry. I get the confidentiality issue (b) (5) [Redacted]

-Karl
[Quoted text hidden]

Clement, Holly <holly.clement@sol.doi.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Wed, Aug 7, 2013 at 10:33 AM

Thanks Karl. On the concern you mentioned, (b) (5) [Redacted]

Holly
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>

Tue, Aug 13, 2013 at 12:52 PM

This is the first of the emails I wanted to share with you. Note her comments re the release of claims regardless of MP calculation.
-K

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Fri, Aug 2, 2013 at 8:03 AM
Subject: MP OII - settlements and pending cases
To: Heidi Badaracco <heidi.badaracco@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

[Quoted text hidden]

-
Karl Wunderlich
Asset Valuation
Office of Natural Resources Revenue
U.S. Department of the Interior
303-231-3663 (office)

karl.wunderlich@onrr.gov

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>

Tue, Aug 13, 2013 at 12:54 PM

(b) (5) [Redacted]

-K

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>

[Quoted text hidden]

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov



REV Oil Major Portion Project Scoping (2).xlsx

20K

Oil Major Portion Settlements
Scoping
General Scope: 2002 - 2012
(Note 1)

Sponsor: John Barder
Project Manager: Karl Wunderlich
Team Members: Ron House, Brian Delehanty, Heidi Badaracco

Tribe/Reservation	(b) (5)	Comments
(b) (5)		

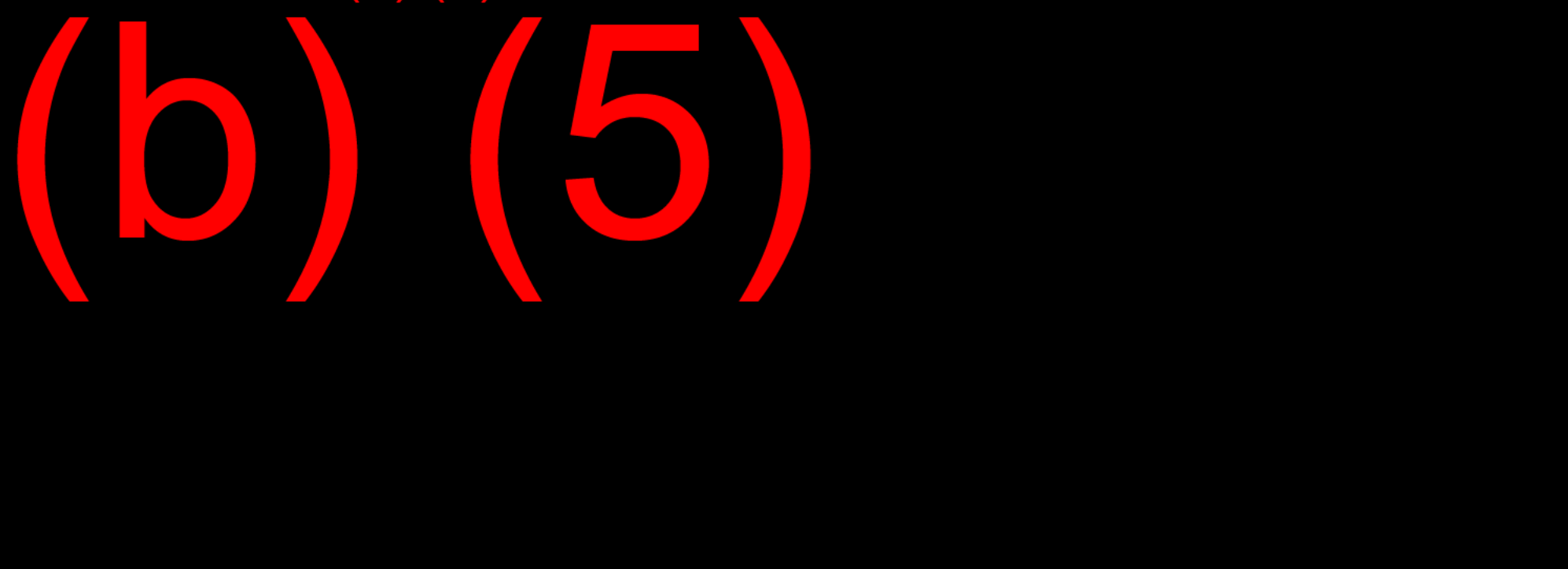
(b) (5)

(b) (5)

(b) (5)

Oil Major Portion Settlements
Scoping
General Scope: 2002 - 2012
(Note 1)

Sponsor: John Barder
Project Manager: Karl Wunderlich
Team Members: Ron House, Brian Delehanty, Heidi Badaracco

Tribe/Reservation	(b) (5)	Comments
 A large black rectangular redaction covers the entire body of the table. In the top-left corner of this redacted area, the text "(b) (5)" is written in large, bold, red font.		

A black rectangular redaction covers a portion of the page. In the top-left corner of this redacted area, the text "(b) (5)" is written in large, bold, red font.

(b) (5)

(b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Fwd: ONRR - MP oil query to SOL-ITLO

6 messages

Badaracco, Heidi <heidi.badaracco@onrr.gov>
To: Karl Wunderlich <karl.wunderlich@onrr.gov>
Cc: John Barder <john.barder@onrr.gov>

Mon, Jul 29, 2013 at 11:15 AM

FYI - 3 emails from Holly. This is 1 of 3.

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Fri, Jul 26, 2013 at 2:29 PM
Subject: Re: ONRR - MP oil query to SOL-ITLO
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>

Attorney Client - Attorney Work Product Communication

Heidi (b) (5)
(b) (5)

Holly

On Thu, Jul 25, 2013 at 2:11 PM, Badaracco, Heidi <heidi.badaracco@onrr.gov> wrote:

Hi Holly,

Thanks for your quick reply. (b) (5)

(b) (5)

(b) (5) Did you send me another report - if so, I am not seeing it.

Thank you for your time!

Heidi Badaracco
State and Tribal Support, ONRR

DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

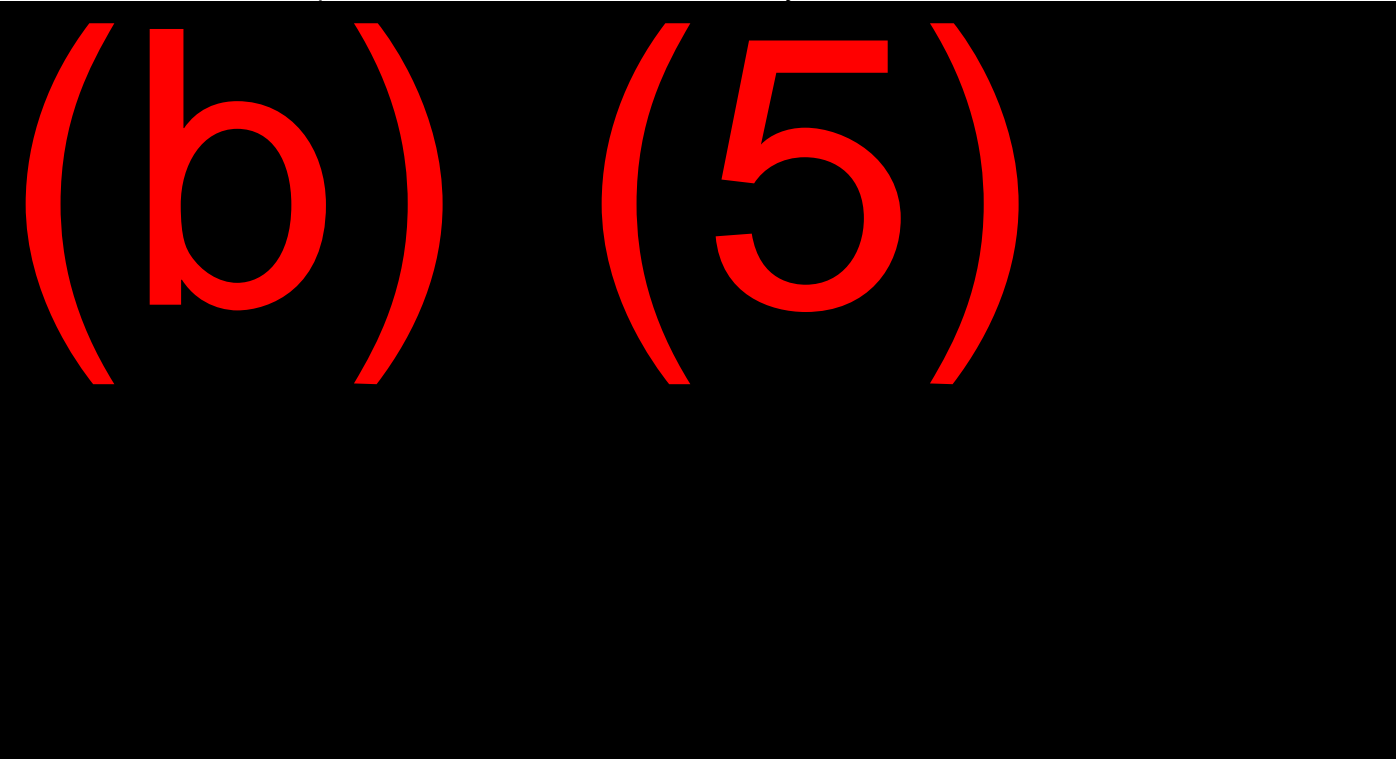
303-231-3434

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Tue, Jul 23, 2013 at 11:58 AM
Subject: ONRR - MP oil query to SOL-ITLO
To: Heidi Badaracco <heidi.badaracco@onrr.gov>

Privileged and Confidential

Heidi, see attached oil report I have had a chance to review my files since I returned from vacation so this is



I hope this is helpful.

Holly
--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

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Badaracco, Heidi <heidi.badaracco@onrr.gov>

Mon, Jul 29, 2013 at 11:20 AM

To: Karl Wunderlich <karl.wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

This is 2 of 3.

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Fri, Jul 26, 2013 at 2:59 PM
Subject: Fwd: ONRR - MP oil query to SOL-ITLO
To: Heidi Badaracco <heidi.badaracco@onrr.gov>

Heidi. (b) (5)



Holly

(b) (5)

[Quoted text hidden]

Badaracco, Heidi <heidi.badaracco@onrr.gov> Mon, Jul 29, 2013 at 11:20 AM
To: John Barder <john.barder@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

This is 3 of 3.

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Fri, Jul 26, 2013 at 3:22 PM
Subject: Fwd: ONRR - MP oil query to SOL-ITLO
To: Heidi Badaracco <heidi.badaracco@onrr.gov>

Attorney Client Communication - Attorney Work Product

Heidi (b) (5)
(b) (5)

Holly
[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>

Mon, Jul 29, 2013 at 3:45 PM

Heidi,
Holly's July 23 email (bottom of this thread) (b) (5) Is that the one you handed out at our meeting or is it something else? If so, I don't think I have it or don't realize it if I do!

-Karl
[Quoted text hidden]
-

Karl Wunderlich
Asset Valuation
Office of Natural Resources Revenue
U.S. Department of the Interior
303-231-3663 (office)
karl.wunderlich@onrr.gov

Badaracco, Heidi <heidi.badaracco@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Mon, Jul 29, 2013 at 3:49 PM

(b) (5) I don't know that I made a copy of that for you, but I showed it to you. Hope that helps.... she has only given me that one thing, besides the information she has provided in emails.

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>

Mon, Jul 29, 2013 at 3:58 PM

Could you give me a call? 1-3663
-K
[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Oil Major Portion-Summary and Sample Reports

4 messages

House, Ronald <ronald.house@onrr.gov>

Thu, Aug 21, 2014 at 7:48 AM

To: John Barder <john.barder@onrr.gov>, Michael Curry <michael.curry@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>

I've attached a summary spreadsheet and sample liability reports. If you want anything added/removed, please let me know.

—

Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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3 attachments



Allotted Liabilities.pdf

129K



Oil MP Summary.xlsx

14K



Tribal Liabilities.pdf

172K

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Aug 26, 2014 at 8:47 AM

To: "House, Ronald" <ronald.house@onrr.gov>

Ron,

Sorry it took a while to get back to you. Has John B seen this? It looks great to me. I know Brian cleaned up his narrative recently.

-Karl

[Quoted text hidden]

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

[303-231-3663](tel:303-231-3663) (office)

[303-916-0906](tel:303-916-0906) (cell)

karl.wunderlich@onrr.gov

House, Ronald <ronald.house@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Tue, Aug 26, 2014 at 9:22 AM

I sent it to John and Mike Curry. Mike had me make a few cosmetic changes; I haven't heard back from John yet.

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "House, Ronald" <ronald.house@onrr.gov>

Tue, Aug 26, 2014 at 9:30 AM

I'm meeting with John in an hour. I'll nag him!

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Brian's latest (it's large)

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Jul 17, 2014 at 4:10 PM

To: "Barder, John" <John.Barder@onrr.gov>

In case you wanted to look through, this is his latest. Note the worksheet, "royalties due."

-K

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Major Portion Summary_July32014.xlsx

22890K



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major Portion checklist

5 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, May 22, 2014 at 8:32 AM

To: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

All:

As a refresher since our last meeting, I thought I would send out the checklist so you can see how far we had come and where we will pick up on the 27th. I have also included the study periods table with updates on (b) (5) [REDACTED] as provided by Holly. (Holly, if you catch any errors, please let me know.)

-Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

2 attachments



Indian Oil Major Portion Checklist by Tribe April 28, 2014.docx

43K



STUDY PERIODS.docx

30K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>

Thu, May 22, 2014 at 11:53 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Thank you Karl!

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Bayani, Theresa <theresa.bayani@onrr.gov>

Thu, May 22, 2014 at 12:31 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>

Thank you, Karl!

On Thu, May 22, 2014 at 8:32 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

[Quoted text hidden]

—

Theresa

Theresa Walsh Bayani
Program Director, Audit and Compliance Management
Office of Natural Resources Revenue
Phone (303) 231-3701

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Clark, Judith <judith.clark@onrr.gov>

Thu, May 22, 2014 at 1:08 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Thanks Karl!!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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On Thu, May 22, 2014 at 8:32 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

[Quoted text hidden]

Boroos, Jason <jason.boroos@onrr.gov>

Tue, May 27, 2014 at 12:42 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Brian Delehanty <Brian.Delehanty@onrr.gov>

Here is the draft checklist from today's meeting

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Thu, May 22, 2014 at 8:32 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

[Quoted text hidden]



Indian Oil Major Portion Checklist by Tribe May 27, 2014.docx

46K

STUDY PERIODS

Tribe/Reservation	(b) (5)
(b) (5)	

**Checklist for Field vs Area
Indian Oil Major Portion Analysis**

(b) (5)

(b) (5)

(b) (5)

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major portion study - method attachment

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Feb 25, 2014 at 10:54 AM

To: Karen Osborne <karen.osborne@onrr.gov>

Cc: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>, Heidi Badaracco <heidi.badaracco@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Karen,

Attached is the method attachment for the Major Portion liability order to be discussed at the CSC. Please feel free to distribute in advance of the meeting. The report received input from Brian, Sarah, and John. John may have other parts of the order later this week to distribute in advance but I will leave that up to him. Let me know if you have questions.

-Karl

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



MPstudy_Method_Order_v5.docx

26K

Calculation of Indian Oil Major Portion Prices and Royalty Liability

I. Background

Since publication of the March 1988 Indian Oil rule, the Office of Natural Resources Revenue (ONRR) (formerly the Minerals Management Service's Minerals Revenue Management program) regulations have provided that:

For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.

30 C.F.R. 1206.54(a).

The regulations explain that:

[M]ajor portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

30 C.F.R. 1206.54(b).

ONRR conducted an analysis of royalty payments on oil produced from Indian leases and determined major portion prices for the period from January 1, 2002 through December 31, 2012 as well as outstanding major portion liabilities.

(b) (5)

(b) (5)

II. Calculating Major Portion Prices and Additional Royalty Liability

(b) (5)

(b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Ft Berthould

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Tue, Jun 11, 2013 at 10:16 AM

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov



Ft Berthold 2012_TEST.xlsx

9407K



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major Portion Summary

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Jul 29, 2014 at 8:46 AM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Attached are the additional royalties due as of 6/18/14. Within the Excel sheet I would take particular note of the first three tabs: Additional Royalties Due, Fields, and Areas. The first tab should be self explanatory but the Fields and Areas tabs may need some explanation.

The Field tab shows each Field by year and whether it qualifies for Field or Area level major portion pricing (b) (5)

[REDACTED]

[REDACTED]

The remaining tabs simply show the list of Field Major Portion prices, Area Major Portion prices, and the cumulative data used to calculate Additional Royalties Due by Reservation.

Let me know if you need additional explanation.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments

Major Portion Summary.xlsx
22949K

Cumulative Methodology Summary.docx
27K

DeBerard, Michael <michael.deberard@onrr.gov>

Tue, Jul 29, 2014 at 1:00 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

It may be time to reconvene your group. (b) (5)

[REDACTED]

Mike DeBerard

Manager, Economic and Market Analysis Office

Office of Natural Resources Revenue

Phone: 303-231-3884

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "DeBerard, Michael" <michael.deberard@onrr.gov>

Tue, Jul 29, 2014 at 1:11 PM

John Barder is presenting an update to the CSC on Monday (I won't be in town) (b) (5)
[REDACTED]. Frankly, (b) (5)
[REDACTED]

-K
[Quoted text hidden]

Karl Wunderlich
Asset Valuation
Office of Natural Resources Revenue
U.S. Department of the Interior
303-231-3663 (office)
303-916-0906 (cell)
karl.wunderlich@onrr.gov



Wunderlich, Karl <karl.wunderlich@onrr.gov>

(b) (5)

5 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Simpson, Stephen" <Stephen.Simpson@sol.doi.gov>

Thu, May 29, 2014 at 10:01 AM

Stephen,

(b) (5)

Thanks,
Karl

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Simpson, Stephen <stephen.simpson@sol.doi.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Holly Clement <holly.clement@sol.doi.gov>

Thu, May 29, 2014 at 11:12 AM

(b) (5)

Stephen L. Simpson

Division of Indian Affairs

Office of the Solicitor

202-219-1659

202-805-4117 (cell)

202-219-1791 (fax)

Stephen.Simpson@sol.doi.gov

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Simpson, Stephen" <stephen.simpson@sol.doi.gov>
Cc: Holly Clement <holly.clement@sol.doi.gov>

Thu, May 29, 2014 at 11:16 AM

Thanks, Stephen.
-K

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

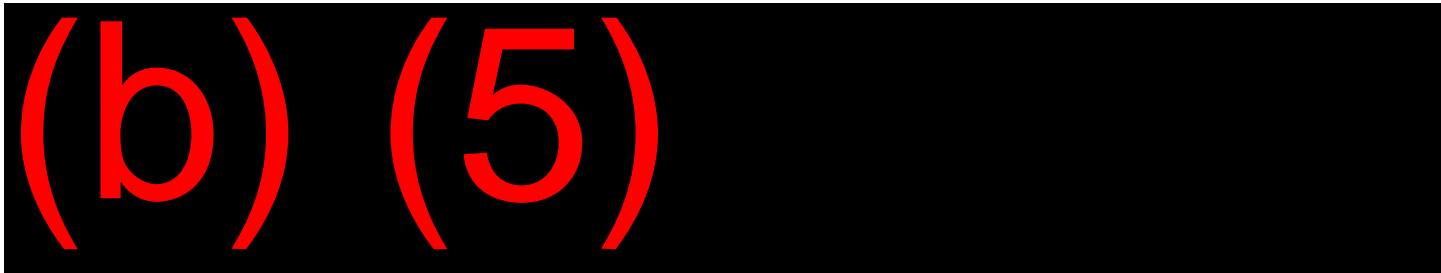
Thu, May 29, 2014 at 11:16 AM

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Thu, May 29, 2014 at 12:51 PM

Good to know.



Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Methods attachment

17 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>
Cc: "Barder, John" <John.Barder@onrr.gov>

Tue, Feb 4, 2014 at 2:22 PM

Sarah,
Attached is the drafty draft of the methods attachment. Depending on weather, I plan to be in tomorrow if you wish to discuss.

-K

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



MPstudy_Method_Order_v2.docx

23K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>

Wed, Feb 5, 2014 at 8:29 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>

Cc: "Barder, John" <John.Barder@onrr.gov>

Karl and Brian - are you available today before 2 to discuss this? Thanks, Sarah

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov> Wed, Feb 5, 2014 at 8:31 AM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I'm teleworking this morning. What time would you be thinking?

Thanks

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 8:39 AM
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Before 2.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov> Wed, Feb 5, 2014 at 8:43 AM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I'll be around. Let me know what works.
-Karl

On Wed, Feb 5, 2014 at 8:29 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

[Quoted text hidden]

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Wed, Feb 5, 2014 at 8:46 AM

Sounds good.

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

On Wed, Feb 5, 2014 at 8:44 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

I am typing oin my changes, and then want to meet to talk about some of the paragraphs so I understand what you did. Would 10AM work?

Brian - you can call my polycom at x3804.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Wed, Feb 5, 2014 at 8:54 AM

I'll be there.
-K

On Wed, Feb 5, 2014 at 8:44 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

I am typing oin my changes, and then want to meet to talk about some of the paragraphs so I understand what you did. Would 10AM work?

Brian - you can call my polycom at x3804.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals**(303) 231-3082 (Phone)****(303) 231-3362 (FAX)**

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On Wed, Feb 5, 2014 at 8:43 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

[Quoted text hidden]

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>

Wed, Feb 5, 2014 at 9:38 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Lets make it 10:30. Sorry - had some things come up and want to get you my comments before we meet.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals**(303) 231-3082 (Phone)****(303) 231-3362 (FAX)**

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Feb 5, 2014 at 9:46 AM

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

OK.

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>

Wed, Feb 5, 2014 at 10:09 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

My comments and questions are in redline in the attached.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]



MPstudy_Method_Order_v2 (1) with sli cmts 020514.docx

33K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Wed, Feb 5, 2014 at 10:13 AM

fyi

[Quoted text hidden]



MPstudy_Method_Order_v2 (1) with sli cmts 020514.docx

33K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Wed, Feb 5, 2014 at 12:15 PM

Here is the revised explanation capturing our discussion. Thanks!

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals


(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

 **MPstudy_Method_Order_v2 (1) with groupi cmts 020514.docx**
28K


Delehanty, Brian <brian.delehanty@onrr.gov> Wed, Feb 5, 2014 at 1:04 PM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

In the attached document, I've added language for the major portion calculation as well as an example of a gravity adjustment formula. Feel free to wordsmith as needed.

Thanks

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

 **MPstudy_Method_Order_v3 with groupi cmts 020514.docx**
29K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 1:39 PM
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Thanks Brian! I tweaked it slightly - please make sure I got it right.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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 **MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx**
29K

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 5, 2014 at 2:00 PM

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I think it looks good. One change I would make at the end of Paragraph E when we say "make appropriate adjustments to price and: (equation)" the appropriate adjustments that we make are the actions outlined in the following equation. I think "and" is misleading because we're not making adjustments outside of the equation.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

 **MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx**
29K

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Feb 6, 2014 at 11:09 AM

To: Karl Wunderlich <karl_w@comcast.net>

----- Forwarded message -----

From: **Delehanty, Brian** <brian.delehanty@onrr.gov>

Date: Wed, Feb 5, 2014 at 2:00 PM

Subject: Re: Methods attachment

[Quoted text hidden]

[Quoted text hidden]

 **MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx**
29K

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 19, 2014 at 1:11 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Last version I had, plus the additions Sarah had asked me to include.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

----- Forwarded message -----

From: **Delehanty, Brian** <brian.delehanty@onrr.gov>

Date: Wed, Feb 5, 2014 at 2:00 PM

Subject: Re: Methods attachment

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

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MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx
29K

2002 – 2012 Analysis of Outstanding Indian Oil Royalty Liabilities

Background and Method

I. Background

(b) (5)
[Redacted text block]

[Redacted text block]

II. Method of Analysis

(b) (5)
[Redacted text block]

(b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

(no subject)

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, May 22, 2014 at 7:20 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Let's touch base this morning so we make sure to cover all the relevant points.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, May 22, 2014 at 8:20 AM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

OK. I have a 10-11 mtg. Otherwise I'm available until about noon.

-K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major Portion

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 23, 2014 at 8:31 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

What do you need from me now on the major portion front?

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Jan 23, 2014 at 8:34 AM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

I think John has some data needs. I have to get writing the report that goes with the orders but I think I have enough from you at this point.

K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 23, 2014 at 8:36 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Ok. I sent some stuff to John yesterday and spoke with him so I think he is set for now. Just wanted to make sure you weren't waiting on something from me.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

2012 Payor with Volume

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Jan 14, 2014 at 2:53 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

N:\AM\AV\EMAO\Team Members\Brian\Major Portion Project\Data\Karl Questions\2012_Payors_Volume.xlsx

To answer your question, 205.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Jan 14, 2014 at 3:21 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Great. Thanks.

K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Items for Tuesday's Major Portion Analysis Meeting

10 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Apr 23, 2014 at 2:26 PM

To: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

One item is a discussion "checklist" to at least get our discussion moving. The other is a slide from a presentation from last year's Indian Oil committee - it is primarily for looking at the number of payors and fields by reservation. We will also have maps of many (all??) reservations and OK.

-Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

2 attachments



Checklist1.docx

33K



PayorsAndFields.pptx

101K

Karl Wunderlich <karl.wunderlich@onrr.gov>

Mon, Apr 28, 2014 at 3:28 PM

To: Carrie Wallace <Carrie.Wallace@onrr.gov>

Sent from my Verizon Wireless 4G LTE Smartphone

[Quoted text hidden]

Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov>

Tue, Apr 29, 2014 at 7:44 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace

<carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Attached for our discussion today is a Powerpoint presentation containing the results of an IONR Ad Hoc SubCommittee tasked to develop field and area determinations for Indian oil. Their analysis may be helpful to us.

Debbie

Deborah Gibbs Tschudy
Deputy Director
Office of Natural Resources Revenue
(303) 231-3301
(303) 231-3194 (fax)

[Quoted text hidden]

 **IONR_Ad hoc subcommittee recommendations re designated areas.pptx**
99K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Gibbs Tschudy, Deborah" <deborah.gibbstschudy@onrr.gov>

Tue, Apr 29, 2014 at 7:47 AM

I'm printing out 10 copies for those that might not get the email before the meeting.

-K

[Quoted text hidden]

Simpson, Stephen <stephen.simpson@sol.doi.gov>
To: "Gibbs Tschudy, Deborah" <deborah.gibbstschudy@onrr.gov>

Tue, Apr 29, 2014 at 7:50 AM

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Thanks, Debbie. It turns out that I will not be able to be on the phone the full time--I have a prep session for ASIA before a hearing on tribal energy. I will need to get off the phone at about 1:55 Eastern. Lance has noted that he has to take care of something at his office, and so will not be there at all.

Stephen L. Simpson

Division of Indian Affairs

Office of the Solicitor

202-219-1659

202-805-4117 (cell)

202-219-1791 (fax)

Stephen.Simpson@sol.doi.gov

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On Tue, Apr 29, 2014 at 9:44 AM, Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov> wrote:

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Simpson, Stephen" <stephen.simpson@sol.doi.gov>
Cc: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>

Tue, Apr 29, 2014 at 7:52 AM

Stephen,
I'm hoping we get through the meeting faster than the full allotted time. I booked a large period to make sure we didn't run short.

-K

[Quoted text hidden]

Simpson, Stephen <stephen.simpson@sol.doi.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: "Gibbs Tschudy, Deborah" <Deborah.GibbsTschudy@onrr.gov>

Tue, Apr 29, 2014 at 7:55 AM

You and me both; just wanted to let you know.

Stephen L. Simpson

Division of Indian Affairs

Office of the Solicitor

202-219-1659

202-805-4117 (cell)

202-219-1791 (fax)

Stephen.Simpson@sol.doi.gov

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[Quoted text hidden]

Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Tue, Apr 29, 2014 at 7:56 AM

Thanks.

Debbie

Deborah Gibbs Tschudy
Deputy Director
Office of Natural Resources Revenue
(303) 231-3301
(303) 231-3194 (fax)

[Quoted text hidden]

Clement, Holly <holly.clement@sol.doi.gov> Tue, Apr 29, 2014 at 1:12 PM
 To: "Gibbs Tschudy, Deborah" <deborah.gibbstschudy@onrr.gov>
 Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Hello all, (b) (5)

Holly

On Tue, Apr 29, 2014 at 9:44 AM, Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov> wrote:
[Quoted text hidden]

-

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>

Tue, Apr 29, 2014 at 1:13 PM

To: "Clement, Holly" <holly.clement@sol.doi.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Thanks very much, Holly.

Sent from my iPhone

[Quoted text hidden]

INDIAN OIL VALUATION COMMITTEE

AD HOC SUBCOMMITTEE RECOMMENDATIONS

June 4, 2013

Criteria for Determining Designated Area

- Reasonable sample size (>2 unique payors)
- Same crude type (e.g., sweet, sour, asphaltic, black wax, yellow wax)
- Same gravity (e.g., 40-45, below 40 and above 45)
- Same geographic area
- Same market served
 - access to similar infrastructure (e.g., refineries, pipelines, rail lines, major roads)
 - similar geography (e.g., no challenging geographical divides such as large rivers)
 - similar geology

The Navajo Nation Designated Areas

- **2 Areas**
 - Area 1: Greater Aneth field
 - Area 2: Rest of the reservation

Crude Types: All sweet, no sour. Deemed 40. Four Corner's Sweet

Ft. Berthold Designated Areas

11-15 Areas

In order to make a final decision on proposed options, ONRR will compare major portion prices for fields being considered for potential combination to determine if there is significant difference if they are separated vs. combined

- Sour (1 lease), Bakken Blend

Ft. Berthold Designated Areas (Cont'd)

- **11-15 Areas**

- **All sour crude (1 area)**

- 2010 Data shows only 1 sour payor in the Centennial field, in the East section of the Reservation

- **Northwest Area (1-2 areas)**

- Option A (2 areas):

- A1: Antelope field (8 payors)

- A2: Four Bears (2) and Clarks Creek (1) fields --- *In 2010, there were only two months (August and Sept) in which there were 3 payors*

- Option B (1 area):

- B1: Antelope (8), Four Bears (2) and Clarks Creek (1) fields

Ft. Berthold Designated Areas (Cont'd)

- **Vanhook Area (3-4 areas)**
 - Option A (4 areas):
 - A1: Reunion Bay (2) and Big Bend (1) fields --- *In 2010, there were 2 payors from Jan to June and 3 payors from March to Dec*
 - A2: Sanish (1) and Parshall (2) fields
 - A3: Van Hook Field (5) field
 - A4: Deep Water Creek Bay (7) field
 - Option B (3 areas):
 - B1: Reunion Bay (2), Big Bend (1) and Van Hook (5) fields
 - B2: Sanish (1) and Parshall (2) fields
 - B3: Deep Water Creek Bay (7) field

Ft. Berthold Designated Areas (Cont'd)

- **South Area (6-8 areas)**

- Option A (8 areas):

- A1-A6, individual fields: Spotted Horn (6); Mandaree (10); Heart Butte (9); Squaw Creek (3) field; Eagle Nest (3); South Fork (3) field
- A7: McGregory Buttes (2) and Moccasin Creek (4)
- A8: Twin Buttes (2), Werner (1) and Wolf Bay (new field)

- Option B (6-7 areas, depending on how proceed with B3 and B4):

- B1-B2, individual fields: Spotted Horn (6); Mandaree (10)
- B3: Squaw Creek (3) and Eagle Nest (3) fields --- *In 2010, Squaw Creek had 2 payors from Jan to June and 3 payors from July to Dec. The Eagle Nest fields had 3 payors the whole year.*
- B4: S. Fork (3) and Heart Butte (9) fields --- *In 2010, S. Fork had 1 payor from Jan to May, 2 payors from June to Sept and 3 payors from Oct to Dec.*
- B5: McGregory Buttes (2) and Moccasin Creek (4)
- B6: Twin Buttes (2), Werner (1) and Wolf Bay (new field)

Uintah and Ouray Designated Areas

• 4-5 Areas

• Area 1 (6 unique payors):

- Altemont (5 payors) Robidoux (1) {Yellow Wax}

• Area 2 (5 unique payors):

- Bluebell (5 payors)

• Areas 3 (3 unique payors):

- Monument Butte (1) S. Myton Bench (1)
- Leland Bench (2) Pariette Bench (1)
- Windy Ridge (1) Randlett (1)
- Antelope Creek (1)

• Area 4: (7 unique payors):

- Cedar Rim (2) Brundage Canyon (3)
- Indian Canyon (1) Duschene (2)

Uintah and Ouray Designated Areas (Cont'd)

- Area 5 - Fields to be Determined
 - Hill Creek (2) and Flat Rock (2) fields

Data needs to be reviewed. If there are 3 or more payors in this area, the recommendation is for this to be a 5th Area. If there are less than 3 payors, additional discussion will be necessary to determine which area to combine these fields with.

Wind River Designated Areas

- **TBD**: The following 2 areas were proposed, but there are only 2 payors in area 2.
 - Area 1:
 - Circle Ridge Maverick Springs Rolff Lake
 - Sheldon NW Sheldon
 - Area 2:
 - Steamboat Pilot Butte Winkleman Lander



Wunderlich, Karl <karl.wunderlich@onrr.gov>

NIOGEMS

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Apr 1, 2014 at 2:23 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Mike had me just send out an email with him cc'd to Steve Manydeeds with BIA about gaining access to NIOGEMS. Basically just saying that we have an Indian oil valuation question that requires us to be able spatially recognize Indian leases and their relation to existing fields/areas. Do we need to still schedule a meeting with John? From our perspective we just want to get our access and see what's possible so that people don't get this idea that we have a real simple solution if that's not the case.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Apr 1, 2014 at 2:26 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

OK, if Mike thinks thats all good, fine with me.

-K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Apr 1, 2014 at 2:28 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Yeah, he said just to go ahead and start seeing about access. Steve had previously given our group that demonstration.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2/9/2015

DEPARTMENT OF THE INTERIOR Mail - NIOGEMS

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

CSC minutes

5 messages

Osborne, Karen <karen.osborne@onrr.gov>

Wed, Jan 15, 2014 at 10:01 AM

To: Karl Wunderlich <karl.wunderlich@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Lorraine Corona <lorraine.corona@onrr.gov>, Jason Boroos <jason.boroos@onrr.gov>, Chris Carey <chris.carey@onrr.gov>

Hi everyone,

I am positive that I misstated some things, forgot other things, or totally misunderstood portions of your presentations! Before I send this to the entire CSC for comments, I am asking you if you would please read your topic, as well as the action items associated with your topic at the end of the document, and make any necessary changes to this draft. If you could possible have changes to me by COB tomorrow Thursday, I'd like to send it to the CSC this week.

Thank you in advance,
Karen

Karen L. Osborne
Supervisory Management & Program Analyst, Program Support
Office of Natural Resources Revenue
(303) 231-3739
karen.osborne@onrr.gov

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 **CSC_Minutes_Jan13_2014_Draft.docx**
40K

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Jan 15, 2014 at 1:58 PM

To: Heidi Badaracco <heidi.badaracco@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Heidi and Ron,

I presented an update of the major portion analysis to the CSC on Monday. Attached are Karen's DRAFT minutes. If you have any questions, given me a call. Otherwise, just wanted to keep you guys in the loop.

-Karl

[Quoted text hidden]

-

Karl Wunderlich

Asset Valuation


Office of Natural Resources Revenue

U.S. Department of the Interior

[303-231-3663](tel:303-231-3663) (office)

[303-916-0906](tel:303-916-0906) (cell)

karl.wunderlich@onrr.gov

 **CSC_Minutes_Jan13_2014_Draft.docx**
40K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Osborne, Karen" <karen.osborne@onrr.gov>

Wed, Jan 15, 2014 at 2:51 PM

My comments attached.

[Quoted text hidden]

—

Karl Wunderlich

Asset Valuation


Office of Natural Resources Revenue

U.S. Department of the Interior

[303-231-3663](tel:303-231-3663) (office)

[303-916-0906](tel:303-916-0906) (cell)

karl.wunderlich@onrr.gov

 **CSC_Minutes_Jan13_2014_Draft_KWcomments.docx**
41K

Badaracco, Heidi <heidi.badaracco@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Wed, Jan 15, 2014 at 4:18 PM

Thanks, I hope it went well!

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

[303-231-3434](tel:303-231-3434)

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>

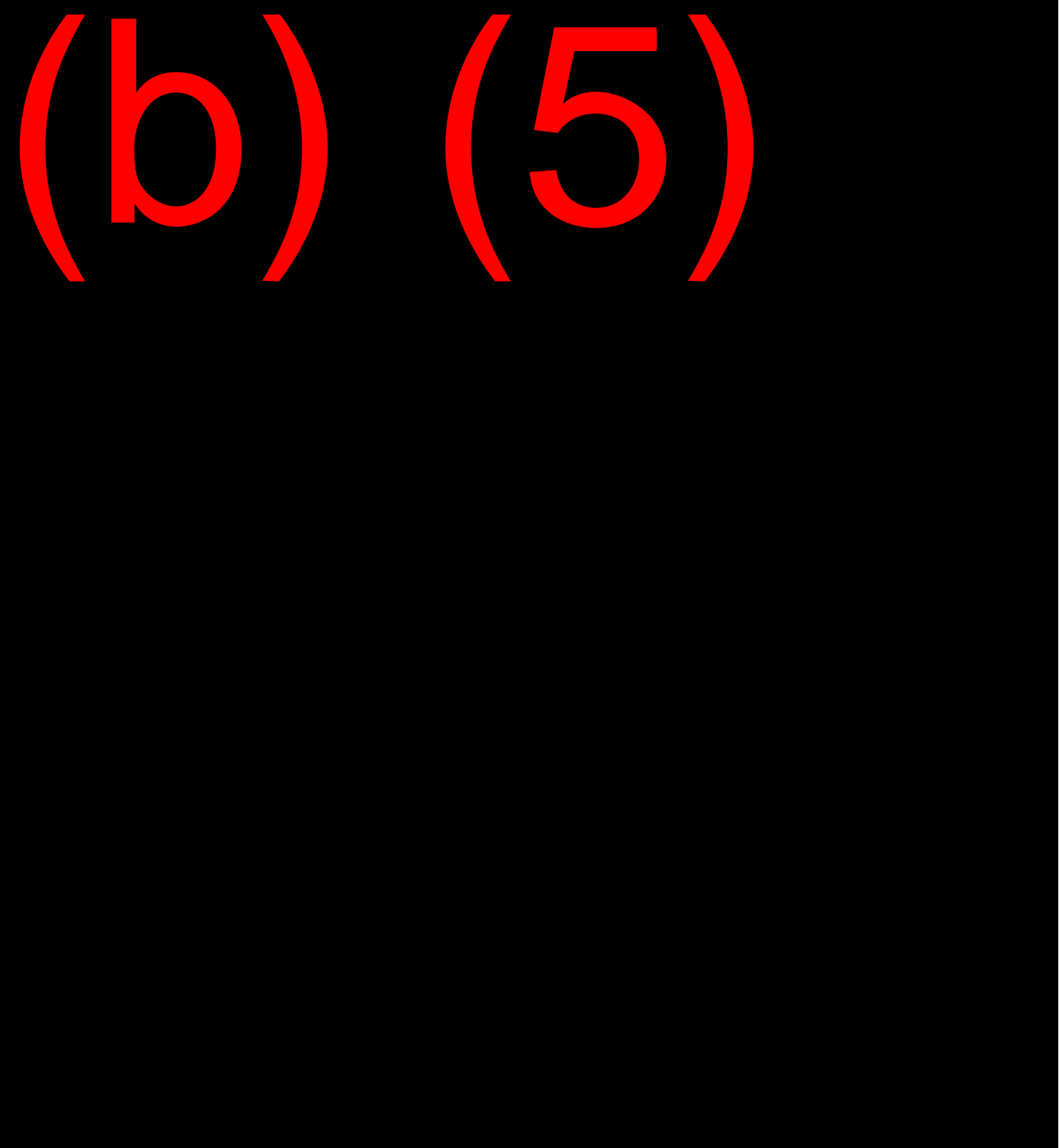
Thu, Jan 16, 2014 at 9:40 AM

It did. I think Debbie was quite comfortable with the progress.

[Quoted text hidden]

Compliance Strategy Council Meeting
Meeting Minutes – January 13, 2014

(b) (5)



(b) (5)

(b) (5)

(b) (5)

(b) (5)

Compliance Strategy Council Meeting
Meeting Minutes – January 13, 2014

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)

Commented [KW2]: See earlier comment

The CSC decided that we will try to meet more frequently in order to shorten meeting times. The next meeting will be in March.

Meeting Adjourned



Wunderlich, Karl <karl.wunderlich@onrr.gov>

U&O allottees

4 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov> Wed, Jan 8, 2014 at 3:19 PM
To: "Barder, John" <John.Barder@onrr.gov>, "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

See the comment for U&O re allottees

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

 **Oil Major Portion Project Scoping (5).xlsx**
19K

Delehanty, Brian <brian.delehanty@onrr.gov> Wed, Jan 8, 2014 at 3:24 PM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

(b) (5)

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Barder, John <john.barder@onrr.gov> Wed, Jan 8, 2014 at 3:28 PM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Karl,

(b) (5)

On Wed, Jan 8, 2014 at 3:19 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:
[Quoted text hidden]

-
John Barder
Program Manager, Central Audit and Compliance
Office of Natural Resources Revenue
Phone (303) 231-3702

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Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Barder, John" <john.barder@onrr.gov>
Cc: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Thu, Jan 9, 2014 at 7:27 AM

(b) (5)

A large black rectangular redaction box covers the majority of the email body content.

-K

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

slides for csc

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Jan 8, 2014 at 10:16 AM

To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

See attached. In particular take a look at slide 3 and add to the the stuff on major portion. I still want to do a top five companies w liabilities slide and a next steps slide.

Big Question: (b) (5)

Not sure if John and I were clear about that way back when we started. It's in the scoping report but kinda tucked away.

K
—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Indian Oil Major Portion Analysis Update.pptx
610K



U.S. Department of the Interior

Office of Natural Resources Revenue

Indian Oil Major Portion Analysis Update

January 13, 2014



Overview

- For most of the time since publication of the 1988 Federal and Indian Oil rule, ONRR has not conducted major portion (MP) analyses.
- CSC asked for an analysis of outstanding liabilities for 2002-2012.
- 2012 Settlement Proposal to the Obama Administration (SPOA), administered by DOJ, settled trust mismanagement lawsuits for 41 tribes
 - Some suits included oil production royalty claims.
- (b) (5)





Analysis Method

- (b) (5)
-
-
-
-





Results

Liabilities By Reservation For Remaining Analysis Periods

(b) (5)

Total: (b) (5)





Wunderlich, Karl <karl.wunderlich@onrr.gov>

Calculated Liabilities

6 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Dec 3, 2013 at 8:29 AM

To: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

All -

(b) (5)

Thanks

-

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Barder, John <john.barder@onrr.gov>

Mon, Dec 9, 2013 at 1:52 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Brian,

Let's get together to discuss. (b) (5)

let's discuss and look at the data. Thanks!

[Quoted text hidden]

-

John Barder

Program Manager, Central Audit and Compliance

Office of Natural Resources Revenue

Phone (303) 231-3702

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Wunderlich, Karl <karl.wunderlich@onrr.gov>

Mon, Dec 9, 2013 at 1:59 PM

To: "Barder, John" <john.barder@onrr.gov>

Cc: "Delehanty, Brian" <brian.delehanty@onrr.gov>, Ronald House <ronald.house@onrr.gov>

John,

Do you want to get together before our scheduled meeting on the 19th? I think it would be a good idea if it can happen.

-Karl

[Quoted text hidden]

—
Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Dec 9, 2013 at 2:08 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: "Barder, John" <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>

That's fine. (b) (6)

Thursday would be good for me this week.

Brian Delehanty

[Quoted text hidden]

Barder, John <john.barder@onrr.gov>

Tue, Dec 10, 2013 at 7:06 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: "Delehanty, Brian" <brian.delehanty@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Karl,

Yes, let's get together before the 19th.

On Mon, Dec 9, 2013 at 1:59 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

[Quoted text hidden]

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Dec 10, 2013 at 8:16 AM

To: "Barder, John" <john.barder@onrr.gov>

We're scheduled for the 12th

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major Portion Data

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jul 18, 2013 at 10:23 AM

To: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

I have the data pulled. Anywhere in particular we want to store it?

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Jul 18, 2013 at 10:36 AM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Keep it on your P drive for now. Are you in on Friday? We can figure what to do with it then. If you are not going to be in, put it in out share drive so I can look at it and send me a note where it is located.

Thanks!!

K

[Quoted text hidden]

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jul 18, 2013 at 10:51 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

I'll be in tomorrow.

[Quoted text hidden]



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Updated Gantt Chart | Stage 1: Indian Oil Major Portion Analysis

4 messages

Petko, Megan <megan.petko@onrr.gov>
To: Karl Wunderlich <karl.wunderlich@onrr.gov>

Mon, Aug 26, 2013 at 3:34 PM

Please find attached the timeline updated with final edits.

Best,
Megan

M.E.Petko
Economic & Market Analysis Office
Office of Natural Resources Revenue

(303) 231-3783
Megan.Petko@onrr.gov

Stage 1 Indian Oil Major Portion Analysis.pdf
108K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Barder, John" <John.Barder@onrr.gov>

Mon, Aug 26, 2013 at 3:39 PM

Take a quick look. I plan to attach this to the scoping paper.

-K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

Stage 1 Indian Oil Major Portion Analysis.pdf
108K

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Petko, Megan" <megan.petko@onrr.gov>

Mon, Aug 26, 2013 at 3:47 PM

Thanks, again!

K

[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

Barder, John <john.barder@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Tue, Aug 27, 2013 at 10:45 AM

Karl,

The Gant chart looks good.

[Quoted text hidden]

—

John Barder
Program Manager, Central Audit and Compliance
Office of Natural Resources Revenue
Phone (303) 231-3702

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Wunderlich, Karl <karl.wunderlich@onrr.gov>

Fwd: Indian Oil Major Portion

2 messages

Barder, John <john.barder@onrr.gov>
To: Karl Wunderlich <karl.wunderlich@onrr.gov>

Mon, Jul 15, 2013 at 3:12 PM

----- Forwarded message -----

From: **Clement, Holly** <holly.clement@sol.doi.gov>
Date: Fri, Jul 12, 2013 at 3:26 PM
Subject: Re: Indian Oil Major Portion
To: "Badaracco, Heidi" <heidi.badaracco@onrr.gov>
Cc: Linda Lautigar <linda.lautigar@onrr.gov>, Timothy Calahan <timothy.calahan@onrr.gov>, John Barder <john.barder@onrr.gov>

Heidi, (b) (5)
[Redacted]

[Redacted]

[Redacted]

Call if you need me before I return on the July 22.

Holly

On Friday, July 12, 2013, Badaracco, Heidi wrote:

Hello Holly,

(b) (5)
[Redacted]

(b) (5)

I will look forward to hearing from you,

Heidi Badaracco
State and Tribal Support, ONRR
DFC, 6th and Kipling, MS 64110C
Lakewood, CO 80225

303-231-3434

--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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John Barder
Program Manager, Central Audit and Compliance
Office of Natural Resources Revenue
Phone (303) 231-3702

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message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return e-mail.

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: Heidi Badaracco <heidi.badaracco@onrr.gov>

Wed, Jul 17, 2013 at 1:41 PM

Heidi,

(b) (5)



Thanks,
Karl

[Quoted text hidden]

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Major Portion Additional Liabilities Refresh

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Mar 17, 2014 at 12:41 PM

To: John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

Below is the link to the refreshed major portion additional liabilities. (b) (5)

(b) (5)

(b) (5)

N:\MRM Shared\Data Transfers\MajorPortionProject\DataRefreshAdditionalLiabilities.xlsx

Also attached is the methodology for the data refresh.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Data Refresh SQL.docx

27K

(b) (5)

(b) (5)

Access

(b) (5)

(b) (5)

Excel

(b) (5)

(b) (5)



Wunderlich, Karl <karl.wunderlich@onrr.gov>

Re: Items for Tuesday's Major Portion Analysis Meeting

1 message

Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>

Tue, Apr 29, 2014 at 1:13 PM

To: "Clement, Holly" <holly.clement@sol.doi.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Thanks very much, Holly.

Sent from my iPhone

On Apr 29, 2014, at 1:12 PM, "Clement, Holly" <holly.clement@sol.doi.gov> wrote:

Hello all. (b) (5)

(b) (5)

Holly

On Tue, Apr 29, 2014 at 9:44 AM, Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov> wrote:

Attached for our discussion today is a Powerpoint presentation containing the results of an IONR Ad Hoc SubCommittee tasked to develop field and area determinations for Indian oil. Their analysis may be helpful to us.

Debbie

Deborah Gibbs Tschudy
Deputy Director
Office of Natural Resources Revenue
(303) 231-3301
(303) 231-3194 (fax)

On Wed, Apr 23, 2014 at 2:26 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

One item is a discussion "checklist" to at least get our discussion moving. The other is a slide from a presentation from last year's Indian Oil committee - it is primarily for looking at the number of payors and fields by reservation. We will also have maps of many (all??) reservations and OK.

-Karl

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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Wunderlich, Karl <karl.wunderlich@onrr.gov>

Fwd: Methods attachment

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 19, 2014 at 1:11 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Last version I had, plus the additions Sarah had asked me to include.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

----- Forwarded message -----

From: **Delehanty, Brian** <brian.delehanty@onrr.gov>

Date: Wed, Feb 5, 2014 at 2:00 PM

Subject: Re: Methods attachment

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I think it looks good. One change I would make at the end of Paragraph E when we say "make appropriate adjustments to price and: (equation)" the appropriate adjustments that we make are the actions outlined in the following equation. I think "and" is misleading because we're not making adjustments outside of the equation.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

On Wed, Feb 5, 2014 at 1:39 PM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

Thanks Brian! I tweaked it slightly - please make sure I got it right.

Sarah L. Inderbitzin, Esq.**Program Manager, Office of Enforcement & Appeals****(303) 231-3082 (Phone)****(303) 231-3362 (FAX)**

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On Wed, Feb 5, 2014 at 1:04 PM, Delehanty, Brian <brian.delehanty@onrr.gov> wrote:

In the attached document, I've added language for the major portion calculation as well as an example of a gravity adjustment formula. Feel free to wordsmith as needed.

Thanks

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

On Wed, Feb 5, 2014 at 12:15 PM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

Here is the revised explanation capturing our discussion. Thanks!

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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On Wed, Feb 5, 2014 at 9:46 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

OK.

On Wed, Feb 5, 2014 at 9:38 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

Lets make it 10:30. Sorry - had some things come up and want to get you my comments before we meet.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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received this communication in error, please notify the sender immediately by return e-mail.

On Wed, Feb 5, 2014 at 8:54 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

I'll be there.

-K

On Wed, Feb 5, 2014 at 8:44 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

I am typing oin my changes, and then want to meet to talk about some of the paragraphs so I understand what you did. Would 10AM work?

Brian - you can call my polycom at x3804.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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On Wed, Feb 5, 2014 at 8:43 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

I'll be around. Let me know what works.

-Karl

On Wed, Feb 5, 2014 at 8:29 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

Karl and Brian - are you available today before 2 to discuss this? Thanks, Sarah

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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immediately by return e-mail.

On Tue, Feb 4, 2014 at 2:22 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

Sarah,

Attached is the drafty draft of the methods attachment. Depending on weather, I plan to be in tomorrow if you wish to discuss.

-K

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx
29K



Delehanty, Brian <brian.delehanty@onrr.gov>

Re: Accepted: Indian Oil MP kick-off mtg @ Tue Jul 23, 2013 2:30pm - 3:30pm (karl.wunderlich@onrr.gov)

2 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>

Mon, Jul 22, 2013 at 8:49 AM

John asked you to look at some preliminary data, right? Could you discuss what you have, any challenges you are facing, etc.? Since we are in Aspen you should be able to log in to your drive and bring up the data if needed.

-K

On Mon, Jul 22, 2013 at 8:47 AM, Brian Delehanty <brian.delehanty@onrr.gov> wrote:

Brian Delehanty has accepted this invitation.

Indian Oil MP kick-off mtg

This meeting is intended to primarily get everyone up to speed on the project, determine data needs, identify outcomes, and estimate timelines.

When Tue Jul 23, 2013 2:30pm – 3:30pm Mountain Time

Where ONRR-CR-B85 Aspen ([map](#))

Calendar karl.wunderlich@onrr.gov

- Who
- Karl Wunderlich - organizer
 - Ronald House
 - Brian Delehanty
 - Heidi Badaracco
 - John Barder

Invitation from [Google Calendar](#)

You are receiving this email at the account karl.wunderlich@onrr.gov because you are subscribed for invitation replies on calendar karl.wunderlich@onrr.gov.

To stop receiving these notifications, please log in to <https://www.google.com/calendar/> and change your notification settings for this calendar.

—
[Karl Wunderlich](#)

[Asset Valuation](#)

[Office of Natural Resources Revenue](#)

U.S. Department of the Interior

303-231-3663 (office)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Mon, Jul 22, 2013 at 8:53 AM

Sure. I can show everyone what I showed you. As far as I know he had asked for what I showed you and if I couldn't get everything he had a handful of tribes that were more important than others.

Is the format I have it in alright or should I break it down another way?

[Quoted text hidden]

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Data Explanation

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Jul 24, 2013 at 11:51 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

—
Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Indian Data.docx

21K

Major Portion Indian Data

Accepted Detail Table (2014)

(b) (5)

State/County Reference Table

(b) (5)

Distributee Reference Table

(b) (5)

Added Derived Columns

(b) (5)

County and Distributee Names

(b) (5)

Stats Page Check

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion API Gravity

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Oct 31, 2013 at 1:06 PM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

John -

(b) (5)

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Barder, John <john.barder@onrr.gov>

Mon, Nov 4, 2013 at 5:46 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Brian,

(b) (5)

[Quoted text hidden]

John Barder

Program Manager, Central Audit and Compliance

Office of Natural Resources Revenue

Phone (303) 231-3702

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Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Nov 5, 2013 at 7:57 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

I have a file that would allow us to calculate a major portion price if we were using the unit price completed. Once we get the new prices, it'll just be a matter of changing the price column in the pivot table. If you want to see it, let me know where you'd like me to save it to.

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Nov 18, 2013 at 1:36 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Karl -

Attached is the methodology I've written up. I'm sure I will be making revisions and cleaning it up some, but if you can identify any areas that are particularly unclear, that would be helpful. It would help to have another set of eyes look at it since I familiar with the process already.

Thanks

-

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Methodology.docx

24K

Methodology

Obtaining 2014 Lines

(b) (5)

(b) (5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion

4 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Nov 14, 2013 at 1:58 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

I have major portions completed for all of the Distributee/Allottee combinations. I'm going to start cleaning up my methodology. Next week we can sit down and see if we should schedule another meeting with John.

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Karl Wunderlich <karl.wunderlich@onrr.gov>

Thu, Nov 14, 2013 at 9:06 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Ok great. Thanks for keeping this rolling.

Sent from my Verizon Wireless 4G LTE Smartphone

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Mon, Nov 18, 2013 at 3:48 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Have you normalized for both API gravity and transportation?

-K

[Quoted text hidden]

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Nov 19, 2013 at 7:23 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Yes. The second table in there lists the gravity adjustment table that I used for each reservation. I can run through it with you today.

Brian Delehanty

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

major portion liabilities

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Tue, Nov 26, 2013 at 1:59 PM

Karl -

Two questions.

(b) (5)

Thanks

-

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Nov 26, 2013 at 2:31 PM

Let's see if I can answer these!

(b) (5)

Do you agree?

K

[Quoted text hidden]

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Delehanty, Brian <brian.delehanty@onrr.gov>

Updated Methodology

4 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Dec 3, 2013 at 3:00 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

I rewrote the methodology and included any recent additions. Not sure how far you've dove into the original file I sent you, but I think this may be stronger initially.

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Methodology V2.docx

25K

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Tue, Dec 3, 2013 at 3:17 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

OK, I'll focus on this.

-K

[Quoted text hidden]

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, Dec 5, 2013 at 3:40 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

I read through it. Very step by step which is just what we need to document the process. I will probably type up a greater report and insert this in the appropriate section. Mark you calendar. The next CSC mtg is Jan 22 1-4.

We will need to work together to pull together a presentation. I would like you there as I assume we will need to show them an example of the analysis steps and you are clearly the person that should do it! I'll also schedule some time next week with John to go over your data.

Thanks!

K

On Tue, Dec 3, 2013 at 3:00 PM, Delehanty, Brian <brian.delehanty@onrr.gov> wrote:
[Quoted text hidden]

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Fri, Dec 6, 2013 at 6:47 AM

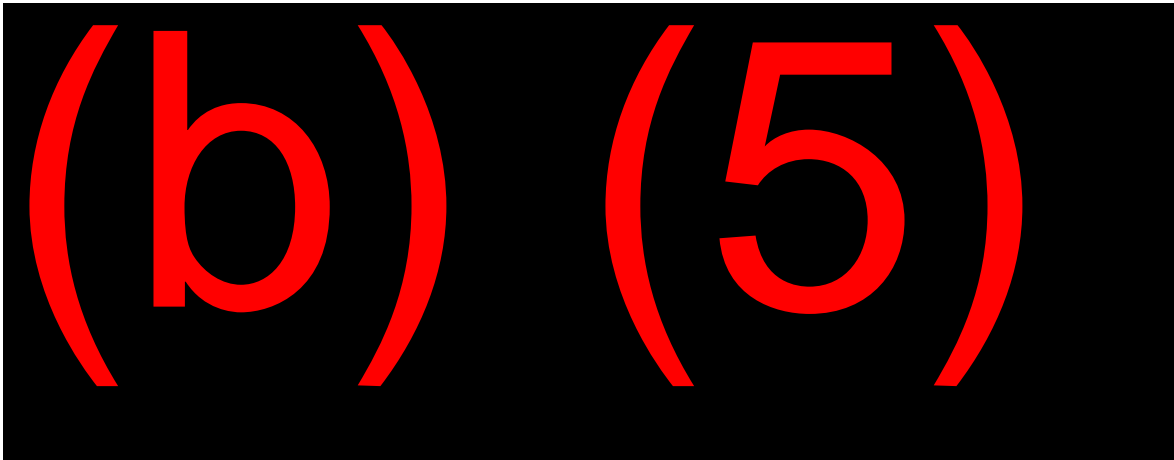
Sounds good.

[Quoted text hidden]

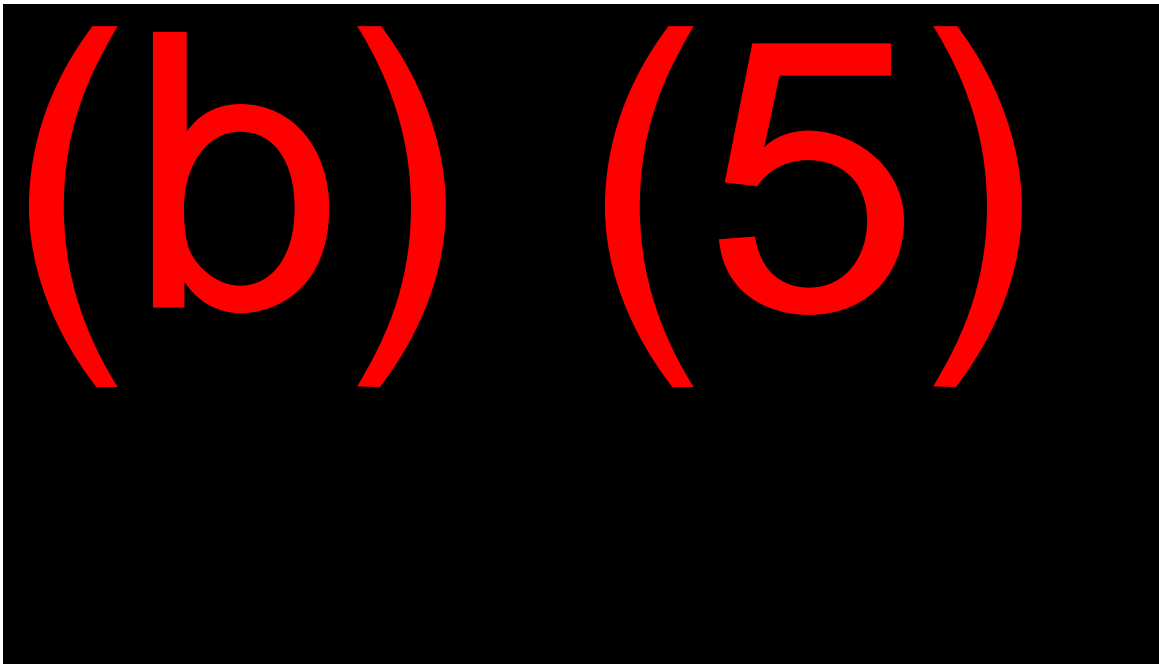
Data Query



Data Filters



API Gravity Join



(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Dec 12, 2013 at 9:46 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Methodology V2.docx

25K

Data Query

(b) (5)

Data Filters

(b) (5)

API Gravity Join

(b) (5)

(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Additional Liabilities

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Dec 12, 2013 at 3:50 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, John Barder <john.barder@onrr.gov>

Attached is the analysis we discussed at the meeting. (b) (5)

[Redacted]

[Redacted]

[Redacted]

Thanks

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



CY2002-2012 Indian Oil Additional Liabilities.xlsx
13100K



Delehanty, Brian <brian.delehanty@onrr.gov>

New Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Dec 12, 2013 at 3:53 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Including my most recent tweak.

—

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Methodology V2.docx

25K

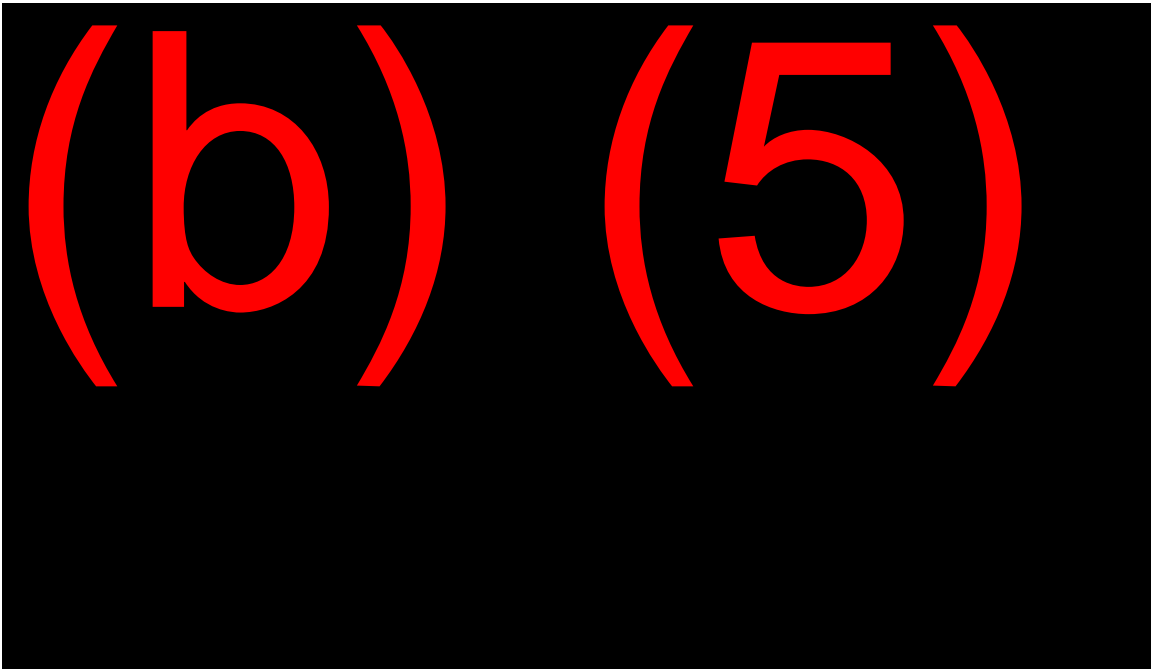
Data Query



Data Filters



API Gravity Join



(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Project Files

4 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Ronald House <ronald.house@onrr.gov>
Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Thu, Dec 12, 2013 at 12:37 PM

Ron -

For your review. Let me know if you need any explanations on anything or need additional information.

N:\MRM Shared\Data Transfers\MajorPortionProject

Thanks

-

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Ronald House <ronald.house@onrr.gov>
Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Thu, Dec 12, 2013 at 3:52 PM

(b) (5)

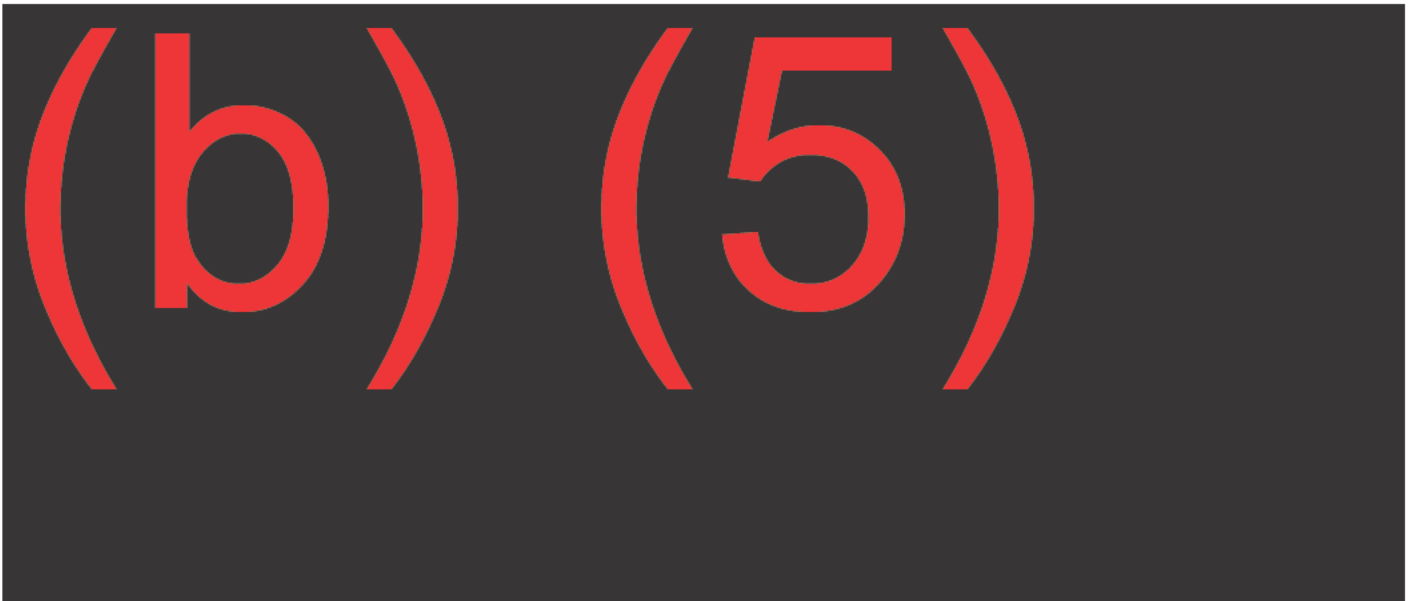
Files are in the same folder as above.

[Quoted text hidden]

House, Ronald <ronald.house@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Thu, Dec 26, 2013 at 12:22 PM

Hi Brian, I finally had a chance to look at the data.



(b) (5)

I'm thinking that the above formula is correct, but we can discuss it. Thanks.

[Quoted text hidden]

—

Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Fri, Jan 3, 2014 at 7:59 AM

I'll take a look at this at some point today or tomorrow, but maybe we should try and get a meeting in early on Monday to make sure all of this is good. (b) (5)

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Additional Liabilities

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Jan 6, 2014 at 10:23 AM

To: John Barder <john.barder@onrr.gov>

Here are the additional liabilities from the current rule (50th Percentile):

Reservation	Total
	
Total	

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Delehanty, Brian <brian.delehanty@onrr.gov>

Additional Liabilities and Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Jan 6, 2014 at 10:27 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Attached are the Additional Liabilities Spreadsheet and the Methodology updated to fix the error Ron pointed out.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments



CY2002-2012 Indian Oil Additional Liabilities.xlsx

13168K



Major Portion Methodology V2.docx

25K

Data Query

(b) (5)

Data Filters

(b) (5)

API Gravity Join

(b) (5)

(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Ute Tribe and UDC Leases

4 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Joseph Muniz <joseph.muniz@onrr.gov>

Tue, Jan 7, 2014 at 10:48 AM

Joe -

(b) (5)

Thanks, sorry for the short notice.

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Muniz, Joseph <joseph.muniz@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Jan 7, 2014 at 1:22 PM

(b) (5)

Joseph Muniz
ONRR
Accounts Payable Team Supervisor
joseph.muniz@onrr.gov
303 231-3103

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[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Muniz, Joseph" <joseph.muniz@onrr.gov>

Tue, Jan 7, 2014 at 1:38 PM

(b) (5)

He was able to point me in the right direction.

Thanks!

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Muniz, Joseph <joseph.muniz@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Jan 7, 2014 at 3:26 PM

Excellent.

Joseph Muniz
ONRR
Accounts Payable Team Supervisor
joseph.muniz@onrr.gov
303 231-3103

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[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Updated Major Portion

8 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Ronald House <ronald.house@onrr.gov>

Tue, Jan 7, 2014 at 1:53 PM

Ron -



I think it makes sense, but would appreciate a second set of eyes.

N:\MRM Shared\Data Transfers\MajorPortionProject

Thanks

Brian Delehanty

Minerals Revenue Specialist

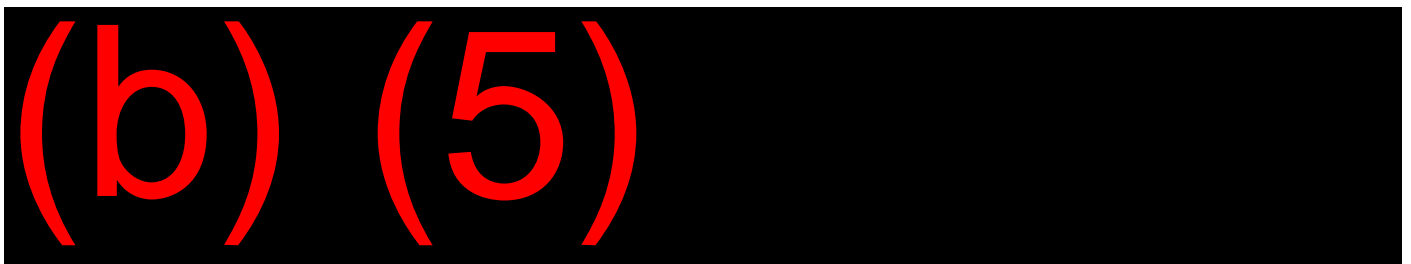
Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

House, Ronald <ronald.house@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Fri, Jan 10, 2014 at 6:21 AM



[Quoted text hidden]

—
Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Delehanty, Brian <brian.delehanty@onrr.gov>
To: "House, Ronald" <ronald.house@onrr.gov>

Fri, Jan 10, 2014 at 6:53 AM

(b) (5)

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

House, Ronald <ronald.house@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Fri, Jan 10, 2014 at 6:58 AM

(b) (5)

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "House, Ronald" <ronald.house@onrr.gov>

Fri, Jan 10, 2014 at 7:03 AM

(b) (5)

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

House, Ronald <ronald.house@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Fri, Jan 10, 2014 at 7:04 AM

(b) (5)

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "House, Ronald" <ronald.house@onrr.gov>

Fri, Jan 10, 2014 at 7:11 AM

Ok. Then I think for the purpose of the analysis this would be fine. (b) (5)

(b) (5)

Thanks Ron, you've been a huge help!

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

House, Ronald <ronald.house@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Fri, Jan 10, 2014 at 7:12 AM

(b) (5)

[Quoted text hidden]

. You're welcome.



Delehanty, Brian <brian.delehanty@onrr.gov>

slides

3 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Mon, Jan 13, 2014 at 10:50 AM

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

 **Indian Oil Major Portion Analysis Update_v2.pptx**
617K

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Mon, Jan 13, 2014 at 11:00 AM

Great. They're updated and on your desk. Here's the link to the updated slides.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Mon, Jan 13, 2014 at 11:00 AM

N:\AM\AV\EMAO\Team Members\Brian\Major Portion Project\Indian Oil Major Portion Analysis Update_v2.pptx

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



U.S. Department of the Interior

Office of Natural Resources Revenue

Indian Oil Major Portion Analysis Update

January 13, 2014



Overview

- Since the publication of the 1988 Federal and Indian Oil and Gas rule, ONRR has not conducted any major portion (MP) analyses on Indian oil, except for limited period on U&O.
- CSC asked for an analysis of outstanding liabilities for 2002-2012.
- 2012 Settlement Proposal to the Obama Administration (SPOA), administered by DOJ, settled trust mismanagement lawsuits for 41 tribes.
 - Some suits included oil production royalty claims (7 tribes).
- **(b) (5)**





Analysis Method

(b) (5)





Analysis Method, contd.

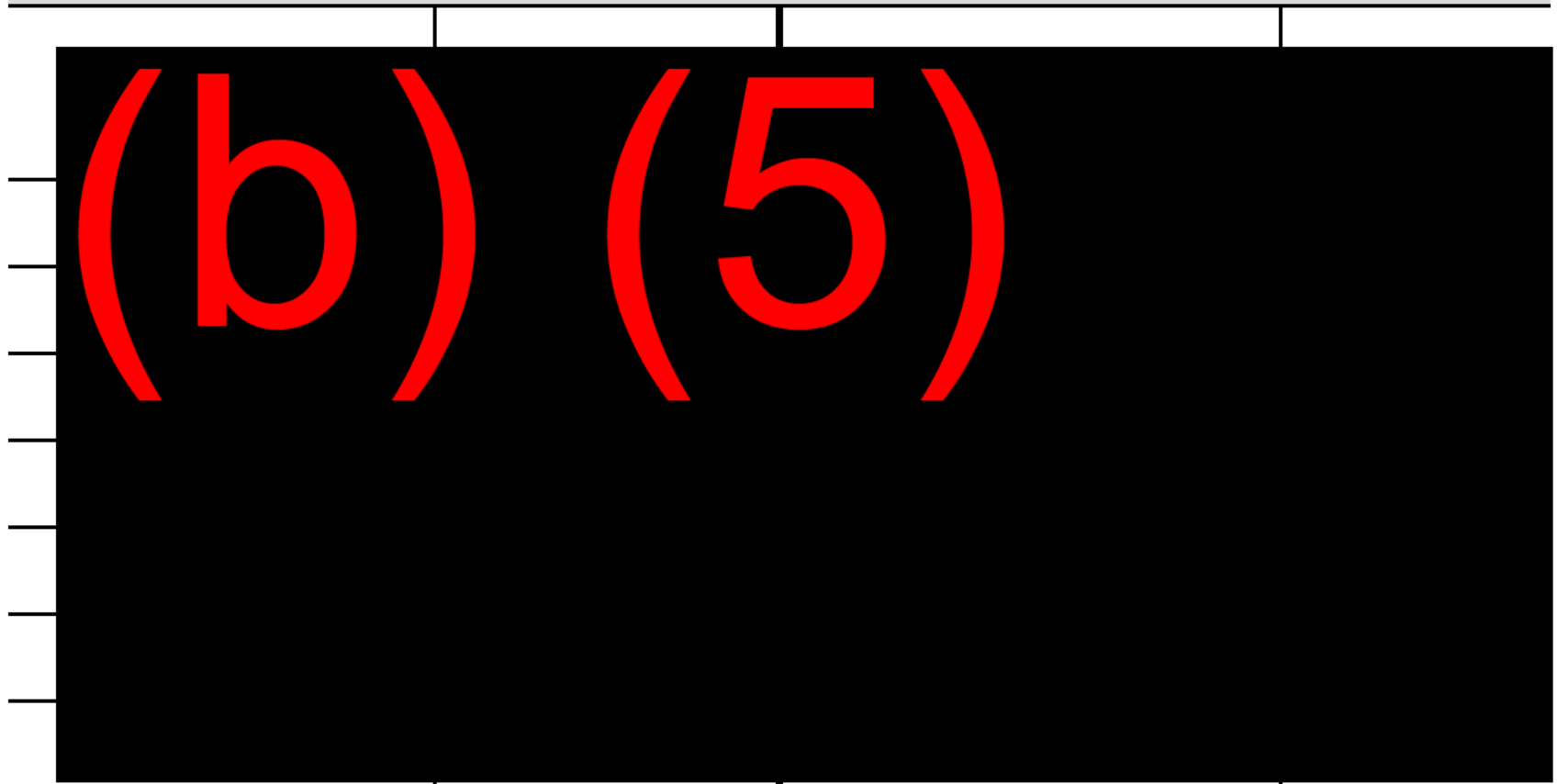
(b) (5)





Results

Outstanding Liabilities By Reservation (Tribal and Allotted) For 2002 – 2012



Total: (b) (5)



Results

Top 10 Companies by Liabilities Owed

(b) (5)

Total: (b) (5)





Next Steps

(b) (5)





Delehanty, Brian <brian.delehanty@onrr.gov>

Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Jan 15, 2014 at 1:38 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Not sure if I already sent you this, but here's the updated, cleaned up version.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Major Portion Methodology V2.docx

26K

Data Query

(b) (5)

Data Filters

(b) (5)

API Gravity Join

(b) (5)

(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion - Top 10 Payors and Major Portion Prices

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 30, 2014 at 9:07 AM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

John -

Attached is the Top 10 Payors broken down by reservation and distributee code. The sheet also includes a tab listing Major Portion Prices.



Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Top10_Payors_and_Major_Portion_Prices.xlsx

16566K



Delehanty, Brian <brian.delehanty@onrr.gov>

(b) (5)

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 30, 2014 at 10:14 AM

To: John Barder <john.barder@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

Transaction Code

(All)

Row Labels

Sum of Additional_Liability

(b) (5)

(b) (5)

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 30, 2014 at 1:43 PM

To: John Barder <john.barder@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

Disregard. Jennifer helped me realize what was going on. We have it all figured out. John I'll resend you those files.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Barder, John <john.barder@onrr.gov>

Thu, Jan 30, 2014 at 2:06 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

Thanks Brian.

[Quoted text hidden]

—

John Barder

Program Manager, Central Audit and Compliance

Office of Natural Resources Revenue

Phone (303) 231-3702

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Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion - Top 10 Payors and Major Portion Price

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jan 30, 2014 at 3:44 PM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

Here's the file again. (b) (5)

(b) (5)

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Top10_Payors_and_Major_Portion_Prices.xlsx

16663K



Delehanty, Brian <brian.delehanty@onrr.gov>

First draft of methods

3 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Thu, Jan 30, 2014 at 2:02 PM

Feel free to add and correct. Use track changes if possible.
Thanks
K

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

 **MPstudy_Method_Order_v1.docx**
20K

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Tue, Feb 4, 2014 at 11:01 AM

I think I heard Sarah saying how this needs to be done asap when I was closing the door. Attached are my corrections/additions. I tried to keep it high level, but I think you did a pretty good job capturing the process to start.

(b) (5)

Thanks

Brian Delehanty


Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

 **MPstudy_Method_Order_v1_BD.docx**
24K

Karl Wunderlich <karl.wunderlich@onrr.gov>

Tue, Feb 4, 2014 at 11:16 AM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Good ears! Thanks.

Sent from my Verizon Wireless 4G LTE Smartphone
[Quoted text hidden]

2002 – 2012 Analysis of Outstanding Indian Oil Royalty Liabilities

Background and Method

I. Background

(b) (5)

II. Method of Analysis

(b) (5)

(b) (5)

2002 – 2012 Analysis of Outstanding Indian Oil Royalty Liabilities

Background and Method

I. Background

(b) (5)

II. Method of Analysis

(b) (5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Updated Major Portion Data

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Feb 4, 2014 at 2:13 PM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, Jennifer Malcolm <jennifer.malcolm@onrr.gov>

John -

Attached are the new Top 10 Payor List and the new Major Portion Prices. (b) (5)

(b) (5)

Thanks

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Top10_Payors_and_Major_Portion_Prices.xlsx

16291K



Delehanty, Brian <brian.delehanty@onrr.gov>

U&O Major Portions

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: John Barder <john.barder@onrr.gov>
Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Thu, Feb 6, 2014 at 9:35 AM



I'm going to proceed like this unless I hear otherwise.

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Delehanty, Brian <brian.delehanty@onrr.gov>
To: John Barder <john.barder@onrr.gov>

Mon, Feb 10, 2014 at 8:56 AM

Here are your top 10 payors and major portion prices based on the criteria below.

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

 **Top10_Payors_and_Major_Portion_Prices.xlsx**
16770K



Delehanty, Brian <brian.delehanty@onrr.gov>

Re: Methods attachment

16 messages

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 8:29 AM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>
Cc: "Barder, John" <John.Barder@onrr.gov>

Karl and Brian - are you available today before 2 to discuss this? Thanks, Sarah

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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On Tue, Feb 4, 2014 at 2:22 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

Sarah,

Attached is the drafty draft of the methods attachment. Depending on weather, I plan to be in tomorrow if you wish to discuss.

-K

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Wed, Feb 5, 2014 at 8:31 AM

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I'm teleworking this morning. What time would you be thinking?

Thanks

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 8:39 AM
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Before 2.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov> Wed, Feb 5, 2014 at 8:43 AM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I'll be around. Let me know what works.
-Karl

On Wed, Feb 5, 2014 at 8:29 AM, Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> wrote:

[Quoted text hidden]

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 8:44 AM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I am typing oin my changes, and then want to meet to talk about some of the paragraphs so I understand what you did. Would 10AM work?

Brian - you can call my polycom at x3804.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 5, 2014 at 8:46 AM

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Sounds good.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Feb 5, 2014 at 8:54 AM

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I'll be there.

-K

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov>

Wed, Feb 5, 2014 at 9:38 AM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Lets make it 10:30. Sorry - had some things come up and want to get you my comments before we meet.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

Wunderlich, Karl <karl.wunderlich@onrr.gov> Wed, Feb 5, 2014 at 9:46 AM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

OK.

[Quoted text hidden]

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 10:09 AM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

My comments and questions are in redline in the attached.

Sarah L. Inderbitzin, Esq.


Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

 **MPstudy_Method_Order_v2 (1) with sli cmts 020514.docx**
33K

Wunderlich, Karl <karl.wunderlich@onrr.gov> Wed, Feb 5, 2014 at 10:13 AM
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

fyi

[Quoted text hidden]

 **MPstudy_Method_Order_v2 (1) with sli cmts 020514.docx**
33K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 12:15 PM
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Brian Delehanty <brian.delehanty@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Here is the revised explanation capturing our discussion. Thanks!

Sarah L. Inderbitzin, Esq.


Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]

 **MPstudy_Method_Order_v2 (1) with groupi cmts 020514.docx**
28K


Delehanty, Brian <brian.delehanty@onrr.gov> Wed, Feb 5, 2014 at 1:04 PM
To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>
Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

In the attached document, I've added language for the major portion calculation as well as an example of a gravity adjustment formula. Feel free to wordsmith as needed.

Thanks

Brian Delehanty
Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

 **MPstudy_Method_Order_v3 with groupi cmts 020514.docx**
29K

Inderbitzin, Sarah <sarah.inderbitzin@onrr.gov> Wed, Feb 5, 2014 at 1:39 PM
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

Thanks Brian! I tweaked it slightly - please make sure I got it right.

Sarah L. Inderbitzin, Esq.

Program Manager, Office of Enforcement & Appeals

(303) 231-3082 (Phone)

(303) 231-3362 (FAX)

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[Quoted text hidden]



MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx

29K

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 5, 2014 at 2:00 PM

To: "Inderbitzin, Sarah" <sarah.inderbitzin@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, "Barder, John" <John.Barder@onrr.gov>

I think it looks good. One change I would make at the end of Paragraph E when we say "make appropriate adjustments to price and: (equation)" the appropriate adjustments that we make are the actions outlined in the following equation. I think "and" is misleading because we're not making adjustments outside of the equation.

Brian Delehanty

Minerals Revenue Specialist

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx

29K

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 19, 2014 at 1:11 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Last version I had, plus the additions Sarah had asked me to include.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

----- Forwarded message -----

From: **Delehanty, Brian** <brian.delehanty@onrr.gov>

Date: Wed, Feb 5, 2014 at 2:00 PM

Subject: Re: Methods attachment

[Quoted text hidden]



MPstudy_Method_Order_v3 with group cmts 020514 and BD cmts.docx

29K

~~2002—2012 Analysis~~ Calculation of ~~Outstanding~~ Indian Oil Major
Portion Royalty Liabilities

~~Background and Method~~

I. Background

(b) (5)

(b) (5)

II. Method of Analysis

(b) (5)

(b) (5)

(b) (5)

Calculation of- Indian Oil Major Portion Prices and Royalty Liability

I. Background

Since publication of the March 1988 Indian Oil rule, the Office of Natural Resources Revenue (ONRR) (formerly the Minerals Management Service) regulations have provided that:

For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.

30 C.F.R. 1206.54(a). The regulations explain that:

[M]ajor portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

30 C.F.R. 1206.54(b).

(b) (5)

(b) (5)

(b) (5)

Calculation of- Indian Oil Major Portion Prices and Royalty Liability

I. Background

Since publication of the March 1988 Indian Oil rule, the Office of Natural Resources Revenue (ONRR) (formerly the Minerals Management Service) regulations have provided that:

For any Indian leases that provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value for royalty purposes, if data are available to compute a major portion, ONRR will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production, for royalty purposes, will be the higher of those two values.

30 C.F.R. 1206.54(a). The regulations explain that:

[M]ajor portion means the highest price paid or offered at the time of production for the major portion of oil production from the same field. The major portion will be calculated using like-quality oil sold under arm's-length contracts from the same field (or, if necessary to obtain a reasonable sample, from the same area) for each month. All such oil production will be arrayed from highest price to lowest price (at the bottom). The major portion is that price at which 50 percent by volume plus one barrel of oil (starting from the bottom) is sold.

30 C.F.R. 1206.54(b).

(b) (5)

(b) (5)

(b) (5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Detailed Major Portion Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Feb 27, 2014 at 10:54 AM

To: John Barder <john.barder@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Attached are both an extremely detailed methodology and a summarized version of the steps I took to calculate additional liabilities for Major Portion reconciliation.

The detailed document is in a bullet point form but covers my steps pretty comprehensively. The summarized document is more vague and is in a paragraph form.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments



Major Portion Methodology Detailed.docx

28K

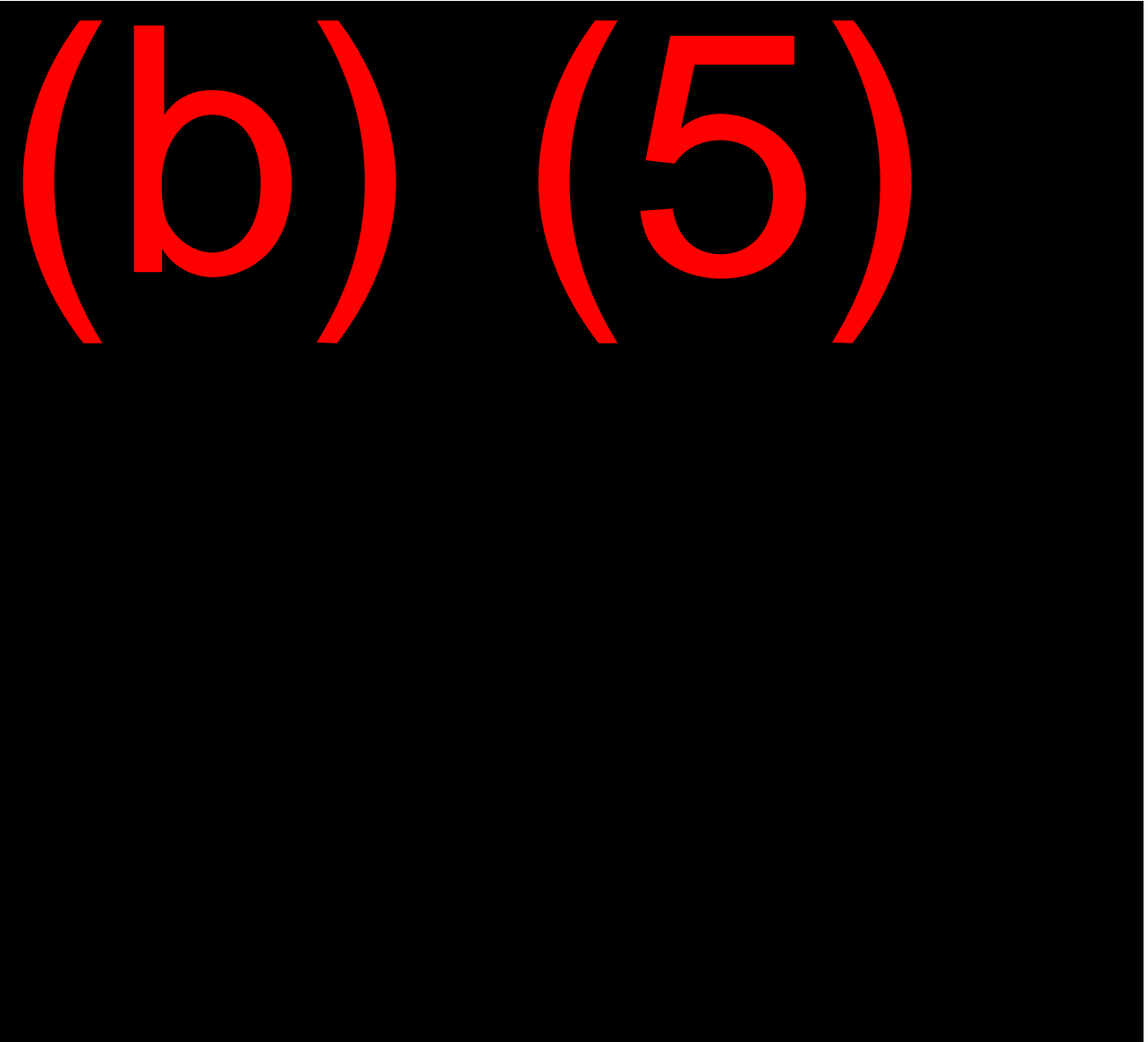


Major Portion Methodology Summarized.docx

26K

Major Portion Indian Data

Obtaining 2014 Lines



Sorting Tribes/Allottees



(b) (5)

Data Cleanup

(b) (5)

Joining API Gravity

(b) (5)

Normalized Price

(b) (5) (b) (5)

(b) (5)

Major Portion Calculation

(b) (5)

Assigning Major Portion Price

(b) (5)

(b) (5)

*Some cell references change throughout methodology as new columns were added. Included the column title for reference.

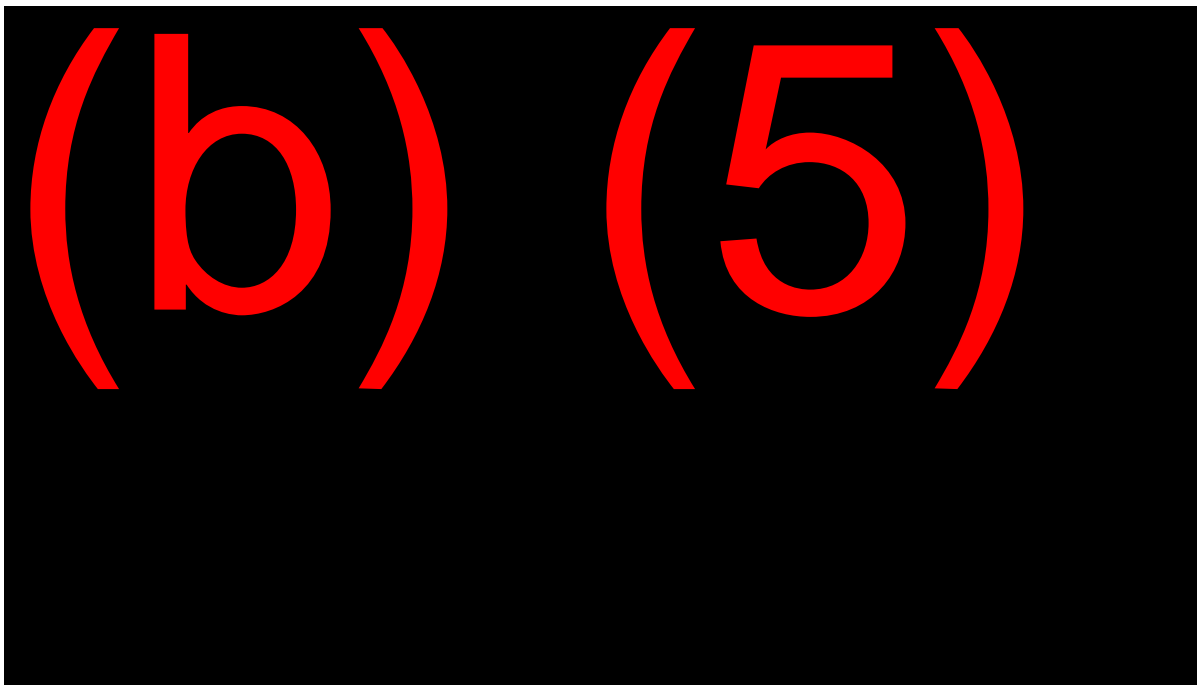
Data Query



Data Filters



API Gravity Join



(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)

Uinta and Ouray Challenges

(b) (5)

(b) (5)

Tribal and Allottee Scope

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Oil Major Portions - Methodology

7 messages

Vady, Alex <alex.vady@onrr.gov>

Mon, Mar 3, 2014 at 1:20 PM

To: Brian Delehanty <brian.delehanty@onrr.gov>

Hi Brian:

I work with Lisa Dawson on the pending orders on Indian oil valued under the major portion clause of the leases. I'd appreciate your sending me the detail methodology in arriving at the prices and the related adjustments.

Also, there is a reference to "Chevron's posted equation for Altamont . . ." which I'd like to know the source where the original information can be found.

Thanks;

--

Alex Vady – Appeals Program Analyst • Office of Natural Resources Revenue • PO Box 25165 • Denver, CO 80225 • Tel: (303) 231-3647 • Fax: (303) 462-9834 • Email: alex.vady@onrr.gov

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Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Mar 3, 2014 at 1:32 PM

To: "Vady, Alex" <alex.vady@onrr.gov>

Sure. So that Chevron reference comes from their Gravity Adjustment table in their crude postings section. Basically, each crude type that Chevron markets will have its own Gravity Adjustment scale that it follows. The link to that page is: http://crudemarketing.chevron.com/crude/north_american/east_rockies.aspx

I have also attached my detailed methodology. I have two forms that I have sent to John and Karl previously. One is more step by step and is in a bulleted form. The other is in a paragraph form and in terms of detail falls in between the bulleted version and the version you have likely seen.

I'll be in the office tomorrow if you need to stop by for any additional questions.

Thanks

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

2 attachments

Major Portion Methodology Summarized.docx

 26K

 **Major Portion Methodology Detailed.docx**
28K

Vady, Alex <alex.vady@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Mon, Mar 3, 2014 at 2:18 PM

Hi Brian:

It was great speaking with you on the language of the proposed order. Here are briefly the points I made in our conversation a moment ago:



3- Petroleum Measurement Tables refer to API gravity at 60 degree Fahrenheit. Shouldn't the verbiage mention 'temperature'? It may be embedded in the information on the website but it is not clear whether the temperature is considered here.

Thanks;

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Vady, Alex" <alex.vady@onrr.gov>
Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Mon, Mar 3, 2014 at 2:36 PM

In regards to number 3, API Gravity is assigned/measured when crude is at 60 degrees fahrenheit. It is the standardized temperature at which that calculation occurs.

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Megan Petko <megan.petko@onrr.gov>

Mon, Mar 3, 2014 at 2:40 PM

#3 of his concerns is referring to the fact that API Gravity is measured at 60 degrees fahrenheit, right? I don't think that physical temperature is not a significant attribute of crude value.

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

Petko, Megan <megan.petko@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Mar 4, 2014 at 7:27 AM

This is a concern about measurement methodology -- to make sure standard temperature and pressure states are used. This will be the case for all crude assays performed in a reputable lab, and for all meter measurements which are properly normalized. I would tell him that industry standard measurement protocols are implied, but that we can get appropriate language if needed.

(b) (5)

M.E.Petko
Petroleum Engineer
Royalty Valuation Division
Office of Natural Resources Revenue

(303) 231-3783
Megan.Petko@onrr.gov

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>
Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>, Alex Vady <alex.vady@onrr.gov>

Tue, Mar 4, 2014 at 7:40 AM

(b) (5)

I think we have resolved #3 as that is in reference to the temperature oil must be at to get an accurate API Gravity measurement. The existence of an API Gravity implies that the crude was at 60 degrees fahrenheit.

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

----- Forwarded message -----

From: **Vady, Alex** <alex.vady@onrr.gov>
Date: Mon, Mar 3, 2014 at 2:18 PM
Subject: Re: Oil Major Portions - Methodology
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

[Quoted text hidden]

Data Query

(b) (5)

Data Filters

[Redacted]

API Gravity Join

(b) (5)

(b) (5)

Transportation Normalized Price

(b) (5)

Sorting and Data Cleanup

(b) (5)

Gravity Adjustment

(b) (5)

(b) (5)

Major Portion Price

(b) (5)

Uinta and Ouray Challenges

(b) (5)

(b) (5)

Tribal and Allottee Scope

(b) (5)

Major Portion Indian Data

Obtaining 2014 Lines

(b) (5)

Sorting Tribes/Allottees

(b) (5)

(b) (5)

Data Cleanup

(b) (5)

Joining API Gravity

(b) (5)

Normalized Price

(b) (5)

(b) (5)

Major Portion Calculation

(b) (5)

Assigning Major Portion Price

(b) (5)

(b) (5)

*Some cell references change throughout methodology as new columns were added. Included the column title for reference.



Delehanty, Brian <brian.delehanty@onrr.gov>

Data Refresh Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Fri, Apr 11, 2014 at 9:55 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Don't know if you have this either, but this literally could not be more detailed as it is step by step including the SQL for the queries I ran.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Data Refresh SQL.docx

27K

(b) (5)

(b) (5)

Access

(b) (5)

(b) (5)

Excel

(b) (5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Yearly Averages by Reservation

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Fri, Apr 11, 2014 at 10:39 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Mike wanted a more summarized look so I'll pass that on to you. It's just the yearly average for each reservation for number of payors.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Payor_Yearly_Average.xlsx

62K



NIOGEMS Oil Field Feature Class?

15 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Fri, May 9, 2014 at 12:48 PM

To: David Head <david.head@bia.gov>, Karl Seitz <karl.seitz@bia.gov>

Karl and David -

You had sent me some lease data from NIOGEMS in April for a valuation project I've been working. I had noticed on a paper map in our office, that looks to have been produced from NIOGEMS, that there were oil fields on the map. Would either of you be able to send me the shapefile this is based on?

Thanks again for your help!

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Karl Seitz <karl.seitz@bia.gov>

Sat, May 10, 2014 at 10:05 AM

To: Brian Delehanty <brian.delehanty@onrr.gov>, David Head <david.head@bia.gov>

Brian,

I put the updated geodatabase on Google Drive for you with the added oil and gas fields feature classes. We had these for all but a couple of the reservations in our database. I included individual feature classes by reservation, as well as a feature class with all of them merged together.

Please let me know when you've completed downloading the .mdb, so that I can remove it from Google Drive.

Let me know if you have any questions.

Thanks,

Karl S. Seitz

US DOI/AS-IA, Division of Energy and Mineral Development

Lockheed Martin IS & GS - Civil

720-407-0618

karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666

NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [mailto:brian.delehanty@onrr.gov]

Sent: Friday, May 09, 2014 12:49 PM

To: David Head; Karl Seitz

Subject: NIOGEMS Oil Field Feature Class?

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, May 12, 2014 at 6:09 AM

To: Karl Seitz <karl.seitz@bia.gov>

Cc: David Head <david.head@bia.gov>

Great! I am working from home today and will download first thing tomorrow morning on my workstation.

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, May 13, 2014 at 10:18 AM

To: Karl Seitz <karl.seitz@bia.gov>

I don't see a Google drive link.

Also, I hate to keep asking you if you have particular data, but if you also had a well layer that included API Well Number as one of the attributes that would be wonderful!

Thanks for all of your help, you've been a lifesaver!

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

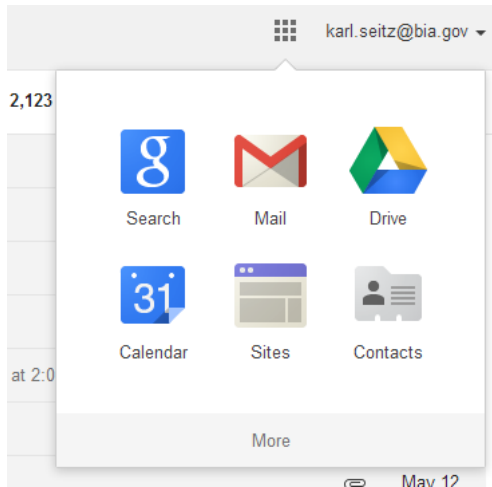
On Sat, May 10, 2014 at 10:05 AM, Karl Seitz <karl.seitz@bia.gov> wrote:
[Quoted text hidden]

Karl Seitz <karl.seitz@bia.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>

Tue, May 13, 2014 at 10:24 AM

Brian,

It shows on Google Drive that this is shared with you. Are you accessing Drive from the grid at the top of the Bison Connect interface? I'll have to clear getting the wells from one of the tam leads and get back with you.



Karl S. Seitz

US DOI/AS-IA, Division of Energy and Mineral Development

Lockheed Martin IS & GS - Civil

720-407-0618

karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666

NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [<mailto:brian.delehanty@onrr.gov>]
Sent: Tuesday, May 13, 2014 10:18 AM
To: Karl Seitz
Subject: Re: NIOGEMS Oil Field Feature Class?

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Tue, May 13, 2014 at 10:33 AM

Oh, I see it. Sorry I was looking for a link in the email. I have it downloaded. Thank you for looking into the wells.

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Karl Seitz <karl.seitz@bia.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>

Tue, May 13, 2014 at 10:35 AM

I got the okay to pass on the well data. Give me about half an hour and I will add those and repost the geodatabase on Google Drive.

Karl S. Seitz

US DOI/AS-IA, Division of Energy and Mineral Development

Lockheed Martin IS & GS - Civil

720-407-0618

karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666

NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [mailto:brian.delehanty@onrr.gov]

Sent: Tuesday, May 13, 2014 10:34 AM

[Quoted text hidden]

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Tue, May 13, 2014 at 10:35 AM

Thank you!

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Karl Seitz <karl.seitz@bia.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>

Tue, May 13, 2014 at 11:32 AM

Brian,

I've added a wells feature dataset and put the updated geodatabase on Google Drive. I created a merged feature class of all the wells in our database. There are some doubles of the features in that feature class in the Navajo/Jicarilla/Southern Ute/Ute Mountain Ute area due to their close proximity, so I also included individual feature classes for those reservations if you need to use those for focusing on that area. This should be the only area that overlaps (duplicates) exist in the merged feature class.

Let us know if you need anything else, and let me know when you've downloaded it successfully.

Thanks,

Karl S. Seitz

US DOI/AS-IA, Division of Energy and Mineral Development

Lockheed Martin IS & GS - Civil

720-407-0618

karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666

NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [mailto:brian.delehanty@onrr.gov]

Sent: Tuesday, May 13, 2014 10:36 AM

[Quoted text hidden]

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Tue, May 13, 2014 at 12:33 PM

Downloaded. Thanks!

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Tue, May 13, 2014 at 3:31 PM

Karl -

Two quick questions about the data:

1. (b) (5)

2. (b) (5)

Thanks

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Karl Seitz <karl.seitz@bia.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>
Cc: Gary Deters <gary.deters@bia.gov>, David Head <david.head@bia.gov>

Wed, May 14, 2014 at 1:58 PM

Brian,

(b) (5)

(b) (5)

Just for your benefit, NIOGEMS (both the Oracle data side and the GIS data side), doesn't contain data that finds its origin with our office. The idea behind NIOGEMS when it was developed was to pull together information from multiple, disparate databases into a single software environment. Essentially, NIOGEMS is a 'reader' of these databases. For the Lease and Ownership GIS data that we shared with you BIA's TAAMS is the source, and for the wells feature classes, IHS is the source. We take data 'dumps' from these databases and do processing to it to incorporate it into NIOGEMS, but in the end the content is a reflection of what we pull from these sources.

Hope this helps, and let us know if you have further questions.

Thanks,

Karl S. Seitz
US DOI/AS-IA, Division of Energy and Mineral Development
Lockheed Martin IS & GS - Civil
720-407-0618
karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666
NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [<mailto:brian.delehanty@onrr.gov>]
Sent: Tuesday, May 13, 2014 3:32 PM

[Quoted text hidden]

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Wed, May 14, 2014 at 2:09 PM

That is helpful.

(b) (5)

Thanks

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]

Karl Seitz <karl.seitz@bia.gov>

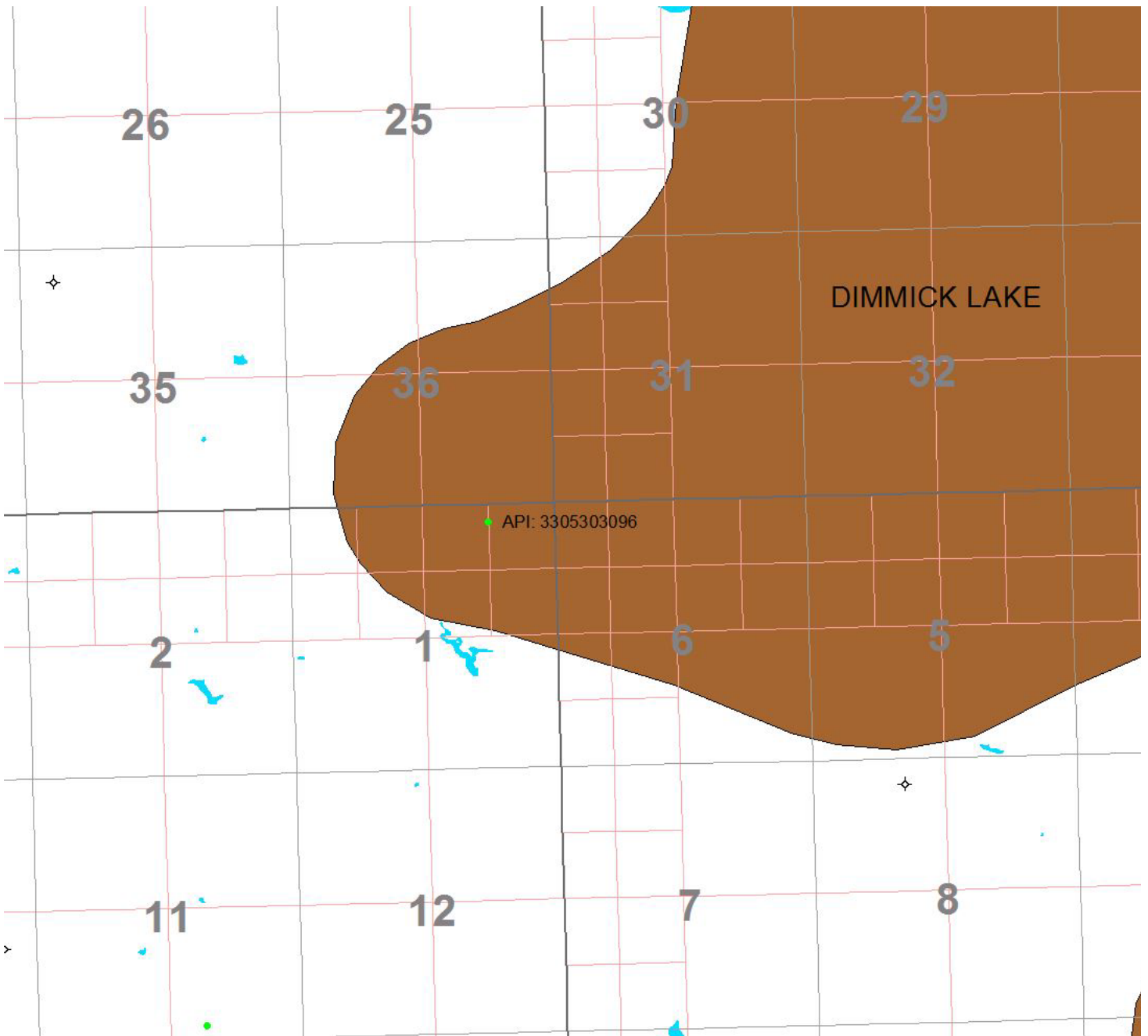
Wed, May 14, 2014

To: Brian Delehanty <brian.delehanty@onrr.gov>

Brian,

(b) (5)

Thanks,



Karl S. Seitz

US DOI/AS-IA, Division of Energy and Mineral Development

Lockheed Martin IS & GS - Civil

720-407-0618

karl.seitz@bia.gov

NIOGEMS Support Line: (720)407-0666

NIOGEMS E-mail Support: niogems@bia.gov

From: Delehanty, Brian [<mailto:brian.delehanty@onrr.gov>]

Sent: Wednesday, May 14, 2014 2:10 PM

[Quoted text hidden]

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: Karl Seitz <karl.seitz@bia.gov>

Thu, May 15, 2014 at 6:43 AM

Karl this was all very helpful. That mirrors some of the possibilities I was thinking, but I wanted to get a third party perspective to make sure my interpretation was correct. You have been a huge help!

Thanks

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion 2014 Field Merge

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, May 14, 2014 at 3:11 PM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

(b) (5)

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



2014_Field_Append.xlsx

16518K



Delehanty, Brian <brian.delehanty@onrr.gov>

Materials for DGT Meeting

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, May 20, 2014 at 12:47 PM

To: "Boroos, Jason" <Jason.Boroos@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Here is what I have. Let me know if we need more stats, additional write up, different maps, etc. I'll be out after 1:30 this afternoon and will hopefully get to any corrections tomorrow between Communicquest obligations.

I also have a detailed Methodology and the supporting Excel data. I plan to bring a sample of the background data from ArcGIS so I can show what information the NIOGEMS wells already have.

Jason is helping me incorporate John Barder's lease list to see what result we get from using that data, but that is not included in the attached data.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

3 attachments



Methodology Summary and Statistics 5_20_14.docx

23K



NIOGEMS_Wells_Fields_Data_Detail.pdf

207K



NIOGEMS_Wells_Fields_Data_High.pdf

640K

Boroos, Jason <jason.boroos@onrr.gov>

Tue, May 20, 2014 at 4:03 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Here are my comments on the methodology. I simplified the verbiage a little for our meeting with Debbie.

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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[Quoted text hidden]

 **Methodology Summary and Statistics 5_20_14_JB Comments.docx**
24K

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, May 21, 2014 at 7:58 AM

To: "Boroos, Jason" <Jason.Boroos@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Updated Methodology/Summary Stats with finding from John's lease list.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

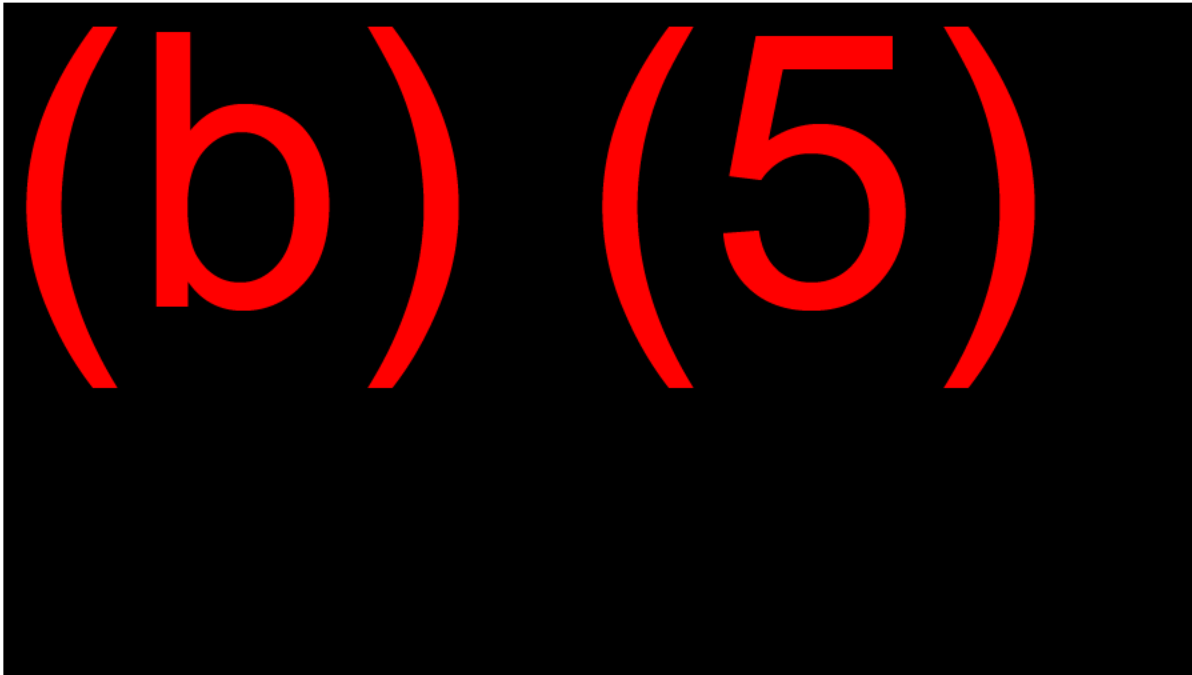
303-231-3043

On Tue, May 20, 2014 at 12:47 PM, Delehanty, Brian <brian.delehanty@onrr.gov> wrote:

[Quoted text hidden]

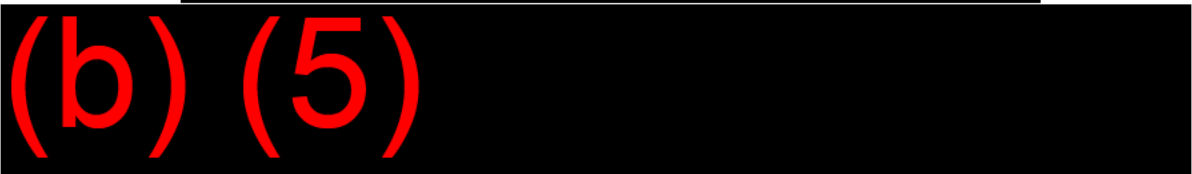
 **Methodology 5_21_14.docx**
26K

GIS Methodology Summary

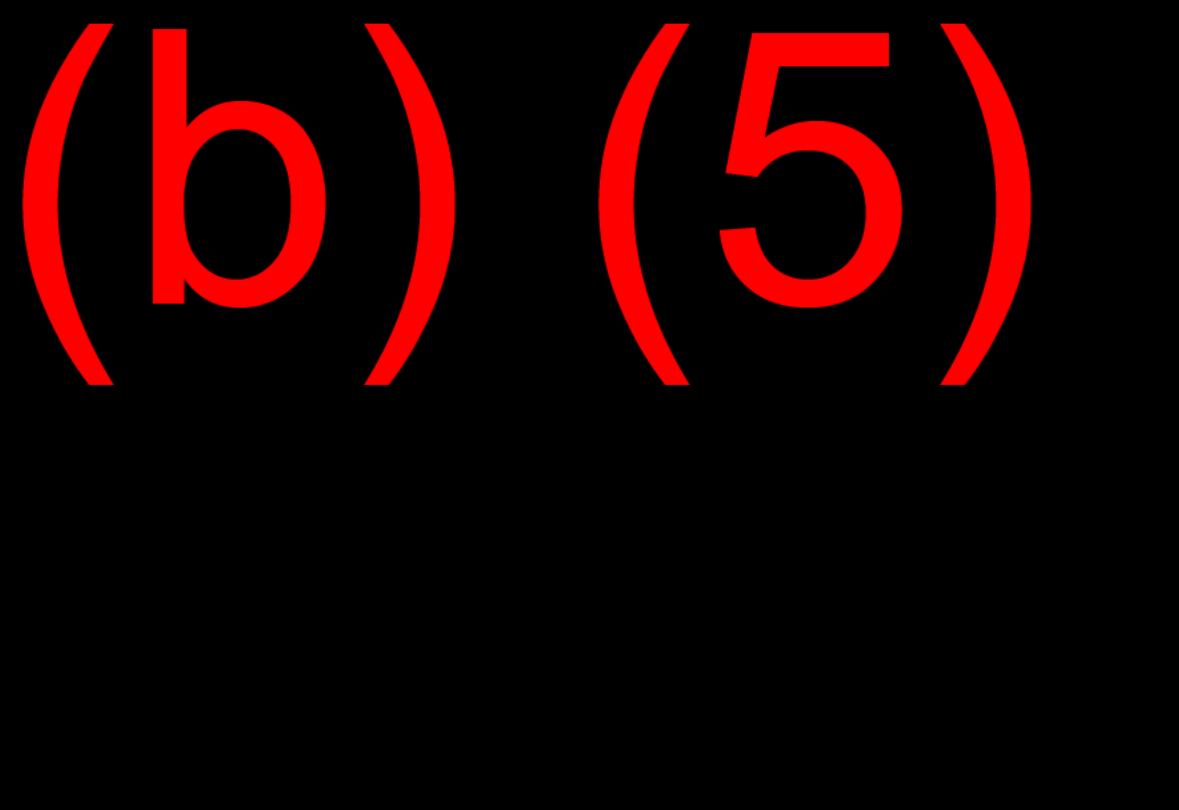


Statistics

Ft. Berthold Data	Count
(b) (5)	



Ft. Berthold Major Portion Field Statistics

Field	Number of Unique Payor Codes	Additional Royalties Due	Royalty Rank
			

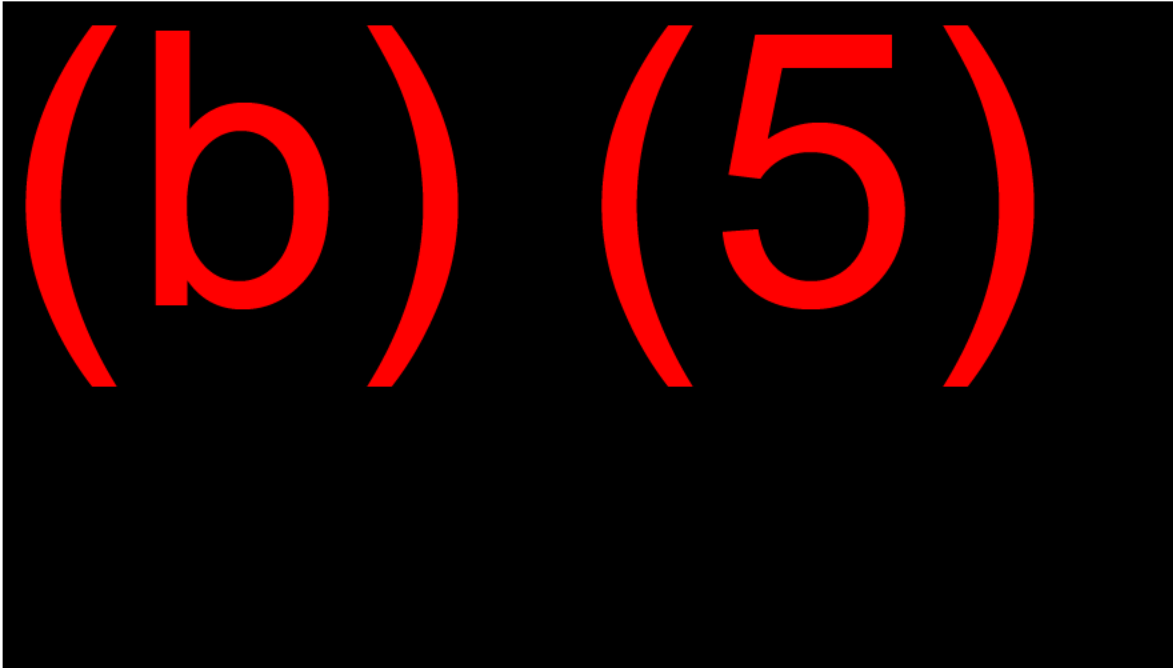
NIOGEMS Wells and Fields Data Detailed - Ft. Berthold

(b) (5)

NIOGEMS Wells and Fields Data - Ft. Berthold

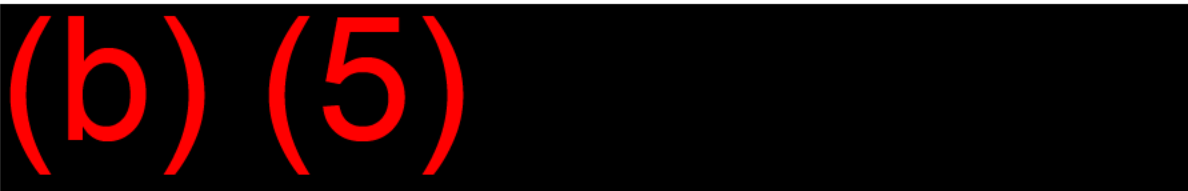
(b) (5)

GIS Major Portion Methodology Summary



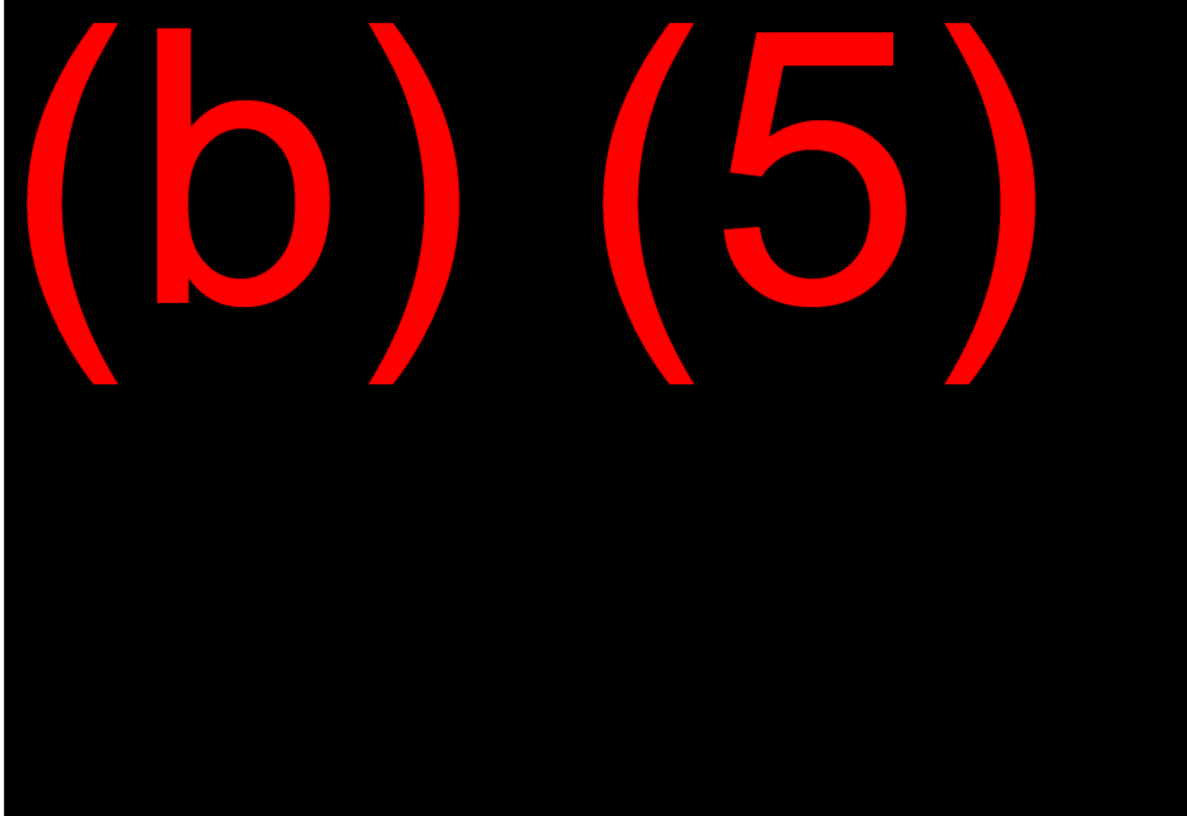
Statistics

Ft. Berthold Data	Count
(b) (5)	



Ft. Berthold Major Portion Field Statistics – 2002-2012

Field	Number of Unique Payor Codes	Additional Royalties Due	Royalty Rank
-------	------------------------------	--------------------------	--------------



Lease List Major Portion Methodology

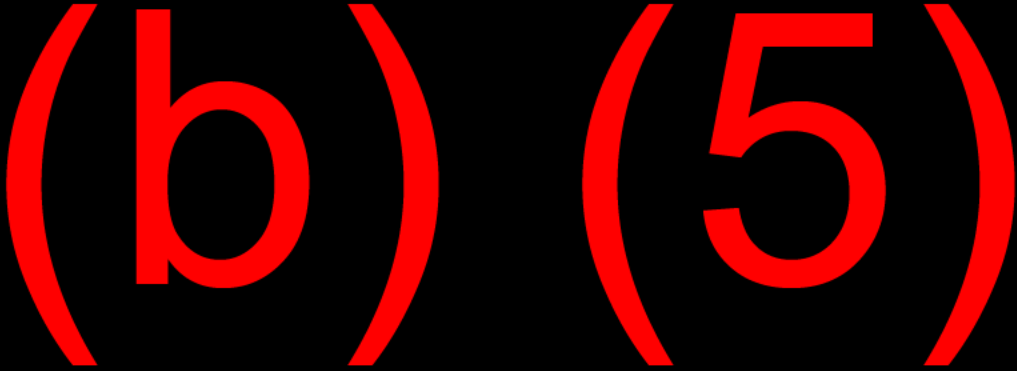
(b) (5)

Statistics

Ft. Berthold Data	Count
(b) (5)	

(b) (5)

Ft. Berthold Major Portion Field Statistics – 2002-2012

Field	Number of Unique Payor Codes	Additional Royalties Due	Royalty Rank
			



Delehanty, Brian <brian.delehanty@onrr.gov>

Fwd: (b) (5)

2 messages

Wunderlich, Karl <karl.wunderlich@onrr.gov>
To: "Delehanty, Brian" <Brian.Delehanty@onrr.gov>

Thu, May 29, 2014 at 11:16 AM

----- Forwarded message -----

From: **Simpson, Stephen** <stephen.simpson@sol.doi.gov>
Date: Thu, May 29, 2014 at 11:12 AM
Subject: Re: (b) (5)
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>
Cc: Holly Clement <holly.clement@sol.doi.gov>

(b) (5)

Stephen L. Simpson

Division of Indian Affairs

Office of the Solicitor

202-219-1659

202-805-4117 (cell)

202-219-1791 (fax)

Stephen.Simpson@sol.doi.gov

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On Thu, May 29, 2014 at 12:01 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

Stephen,

(b) (5)

Thanks,
Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

—

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>

Thu, May 29, 2014 at 12:51 PM

Good to know.



Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Handouts for Major Portion Meeting

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Fri, May 30, 2014 at 12:41 PM

To: Stephen Simpson <stephen.simpson@sol.doi.gov>, Holly Clement <holly.clement@sol.doi.gov>

Jason and I have some handouts for today. They are attached so you can be in the loop.

Thanks

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments

 **Bakken Area Major Portion Analysis.pdf**
1860K

 **FieldMajorPortionAnalysis.xlsx**
3492K

Bakken Area Major Portion Analysis

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Questions

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Jun 2, 2014 at 2:15 PM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Attached is a map I've drawn up (b) (5)

I have a couple of questions based on this:

1. (b) (5)

2. (b) (5)

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

 **MajorPortion_Counties.pdf**
1233K

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Jun 3, 2014 at 7:41 AM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Updated map attached.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

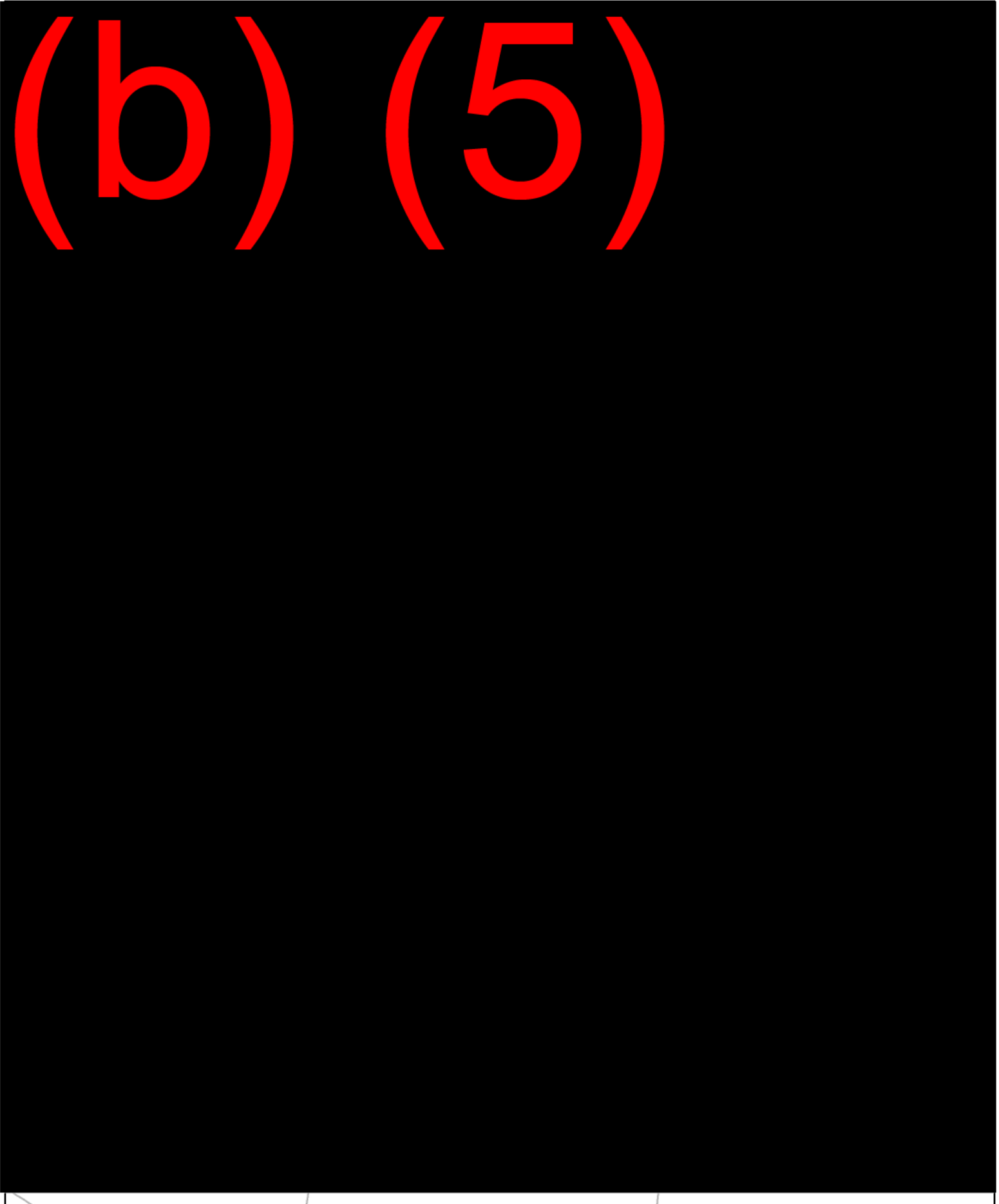
brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

 **MajorPortion_Counties.pdf**
1089K

Major Portion Counties



(b) (5)

Major Portion Counties

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Indian Oil

11 messages

Bielski, Alan <alan.bielski@onrr.gov>
To: Brian Delehanty <brian.delehanty@onrr.gov>

Thu, Oct 31, 2013 at 4:11 PM

I'll move the Indian OGOR file to : MRMShared DataTransfers OGORAIB next Tuesday.

AI B.

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>

Tue, Nov 5, 2013 at 8:50 AM

Great, sounds good.

Thanks
Brian Delehanty

On Thu, Oct 31, 2013 at 4:11 PM, Bielski, Alan <alan.bielski@onrr.gov> wrote:

I'll move the Indian OGOR file to : MRMShared DataTransfers OGORAIB next Tuesday.

AI B.

--

Brian Delehanty

Minerals Revenue Specialist
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Bielski, Alan <alan.bielski@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Nov 5, 2013 at 12:59 PM

This is the first 500 rows of the table that has 817,805 rows, and requires a CVS export file type . Can you deal with the format, a separate row for each Property, Production Month, and Product?

An alternative is to combine the oil and condensate volumes on one line for a Property and Production Month.

[Quoted text hidden]



OGORROYVOLSLIST500.xls

56K

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>

Tue, Nov 5, 2013 at 1:02 PM

That format looks good to me. I think the more granularity the better in case anyone changes their mind.

Thanks
Brian Delehanty
[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>

Wed, Nov 6, 2013 at 3:30 PM

Karl was asking me where I was with joining API Gravities so I just wanted to check in with you to see when this could be available to me.

Thanks
Brian Delehanty
[Quoted text hidden]

Bielski, Alan <alan.bielski@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Wed, Nov 6, 2013 at 4:15 PM

It's in N:\MRM Shared\Data Transfers\OGORAIB
[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>

Tue, Nov 12, 2013 at 7:04 AM

Thanks Al. Would you be able to send me a word document containing the script for that query?

Thanks

Brian Delehanty
[Quoted text hidden]

Bielski, Alan <alan.bielski@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Nov 12, 2013 at 10:37 AM

The Word application doesn't respect the left margin of EG projects much. Probably embedded tabs throw the spacing off.
The doc contains 3 routines. Get OGOR B data, get OGOR C data, then a routine to sum up B and C volumes by property and report period.
[Quoted text hidden]

 **OGOR Liquids.docx**
32K

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>
Cc: John Barder <john.barder@onrr.gov>

Fri, Jun 6, 2014 at 7:33 AM

Al -

When you have a moment, would you be able to pull the query you had previously sent me that matched API Gravity to Property from January 2002 to December 2013? They have added an additional year to this Major Portion project and the results I had previously received from you only go up to December 2012. I've attached the code you had sent me before below.

Thanks

Brian Delehanty
Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



OGOR Liquids.docx

32K

Bielski, Alan <alan.bielski@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Tue, Jun 10, 2014 at 12:34 PM

SUMPROPOIL02to13 Access file in MRMShared/DataTransfers/OGORAIB

I changed the average logic, so use this data for the entire period.

[Quoted text hidden]

Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Bielski, Alan" <alan.bielski@onrr.gov>

Tue, Jun 10, 2014 at 12:46 PM

Thanks Al

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]

```

/* OGOR B SELECT */
OPTIONS LS=256 PS=72 PAGENO=MIN ORIENTATION=LANDSCAPE OVP MISSING=0
        NOCENTER PRINTMSGLIST sastrace=',,,' SASTRACELOC=SASLOG
        CLEANUP NOERRORABEND SOURCE SOURCE2;
ODS LISTING CLOSE;
ODS HTML CLOSE;

/*PROC SQL;
  DESCRIBE TABLE CAMPPROD.HDB_ZPR_OGORB_ACC;
  RUN;*/
/*****
/*
PROC SQL FEEDBACK STIMER;
  CREATE TABLE SASUSER.OGORB0212 AS
  SELECT
    HDB_ZPR_OGORB_ACC.Z_CON_NBR                                FORMAT=$11.,
    (SUBSTR(HDB_ZPR_OGORB_ACC.Z_CON_NBR,1,3)) AS              FORMAT=$03.,
    PROP_PFX                                                    FORMAT=$15.,
    (SUBSTR(HDB_ZPR_OGORB_ACC.CUST_ID,1,1)) AS                FORMAT=$01.
    CUST_PFX                                                    INFORMAT=$01.,
    (DATEPART(HDB_ZPR_OGORB_ACC.Z_PROD_N_DT)) AS             FORMAT=mmyys07.
    PROD_DT_PART                                               INFORMAT=DATE9.,
    /*HDB_ZPR_OGORB_ACC.Z_DTL_SEQ_NBR,*/
    HDB_ZPR_OGORB_ACC.Z_DISPTN_CD                             FORMAT=$4.,
    HDB_ZPR_OGORB_ACC.Z_FMP_NBR3                             FORMAT=$11.,
    HDB_ZPR_OGORB_ACC.Z_FMP_NBR2                             FORMAT=$11.,
    HDB_ZPR_OGORB_ACC.Z_API_GRAVITY                           FORMAT=5.1,
    HDB_ZPR_OGORB_ACC.Z_BTU,
    HDB_ZPR_OGORB_ACC.Z_OIL_DISPTN_VOL,
    HDB_ZPR_OGORB_ACC.Z_GAS_DISPTN_VOL,
    HDB_ZPR_OGORB_ACC.Z_WTR_DISPTN_VOL,
    HDB_ZPR_OGORB_ACC.AUTHORIZATION_DT                       FORMAT=DATETIME20.,
    HDB_ZPR_OGORB_ACC.RECEIPT_DT                             FORMAT=DATETIME20.,
    HDB_ZPR_OGORB_ACC.ACCEPTED_DT                          FORMAT=DATETIME20.,
    HDB_ZPR_OGORB_ACC.Z_STATUS                               FORMAT=$4.,
    HDB_ZPR_OGORB_ACC.Z_ACTN_CD                              FORMAT=$1.,
    /*HDB_ZPR_OGORB_ACC.Z_ORIG_DOC_ID FORMAT=$12.,*/
    /*HDB_ZPR_OGORB_ACC.Z_ORIG_DOC_CD FORMAT=$4.,*/
    HDB_ZPR_OGORB_ACC.LASTUPDDTTM,                           /*FORMAT=DATETIME20.,*/
    HDB_ZPR_OGORB_ACC.LASTUPDOPRID                           FORMAT=$8.,
    HDB_ZPR_OGORB_ACC.CREATE_DTTM,                           /*FORMAT=DATETIME20.,*/
    HDB_ZPR_OGORB_ACC.OPRID_ENTERED_BY                       FORMAT=$8.
  FROM CAMPPROD.HDB_ZPR_OGORB_ACC
    (DBSASTYPE=(CREATE_DTTM='datetime20.' LASTUPDDTTM='datetime20.'))
  AS HDB_ZPR_OGORB_ACC
  WHERE
    HDB_ZPR_OGORB_ACC.Z_STATUS = 'ACTV'      AND
    HDB_ZPR_OGORB_ACC.Z_ACTN_CD = 'A'       AND
    (CALCULATED PROD_DT_PART) >= '01JAN2002'D AND

```

```

(CALCULATED PROD_DT_PART) <= '31DEC2012'D AND

(CALCULATED CUST_PFX) NOT IN ('F','L','S','V','W') AND
Z_DISPTN_CD IN ('01','04','06','07','08','16') AND

Z_OIL_DISPTN_VOL NE 0;

/* this provides the same totals as the previows version with
   only the status, action code and date filters tested 11/01/13 */

%put sqlobs=**&sqlobs**
    sqloops=**&sqloops**
    sqlrc=**&sqlrc**
    RUN;
/*****/

/* OGOR C SELECT */
OPTIONS LS=256 PS=72 PAGENO=MIN ORIENTATION=LANDSCAPE OVP MISSING=0
        NOCENTER PRINTMSGLIST sastrace=',,,' SASTRACELOC=SASLOG
        CLEANUP NOERRORABEND SOURCE SOURCE2;
/*****/
ODS LISTING CLOSE;
ODS HTML CLOSE;

/*PROC SQL;
    DESCRIBE TABLE CAMPPROD.HDB_ZPR_OGORB_ACC;
    RUN;*/
/*****/
/*
*/

PROC SQL FEEDBACK STIMER;
    CREATE TABLE SASUSER.OGORC0212 AS
    SELECT
        HDB_ZPR_OGORC_ACC.Z_CON_NBR                FORMAT=$11.,
        HDB_ZPR_OGORC_ACC.CUST_ID                  FORMAT=$15.,
        (SUBSTR(HDB_ZPR_OGORC_ACC.CUST_ID,1,1)) AS  FORMAT=$01.
        CUST_PFX                                    INFORMAT=$01.,

        (DATEPART(HDB_ZPR_OGORC_ACC.Z_PROD_N_DT)) AS
        PROD_DT_PART                                FORMAT=mmyyys07.
                                                INFORMAT=DATE9.,

        HDB_ZPR_OGORC_ACC.Z_PROD_CD                FORMAT=$2.,
        HDB_ZPR_OGORC_ACC.Z_FMP_NBR                FORMAT=$11.,
        HDB_ZPR_OGORC_ACC.Z_FMP_NBR3              FORMAT=$11.,
        HDB_ZPR_OGORC_ACC.Z_API_GRAVITY            FORMAT=5.1,
        HDB_ZPR_OGORC_ACC.Z_PROD_N_VOL,
        HDB_ZPR_OGORC_ACC.Z_SALE_VOL,
        HDB_ZPR_OGORC_ACC.Z_ADJ_VOL,
        HDB_ZPR_OGORC_ACC.Z_DISPTN_CD              FORMAT=$4.,

```



```

HDB_ZPR_OGORC_ACC.Z_BGN_INV_VOL,
HDB_ZPR_OGORC_ACC.Z_END_INV_VOL,

HDB_ZPR_OGORC_ACC.AUTHORIZATION_DT          FORMAT=DATETIME20.,
HDB_ZPR_OGORC_ACC.RECEIPT_DT                 FORMAT=DATETIME20.,
HDB_ZPR_OGORC_ACC.ACCEPTED_DT             FORMAT=DATETIME20.,
HDB_ZPR_OGORC_ACC.Z_STATUS                   FORMAT=$4.,
HDB_ZPR_OGORC_ACC.Z_ACTN_CD                  FORMAT=$1.,
/*HDB_ZPR_OGORC_ACC.Z_ORIG_DOC_ID            FORMAT=$12.,*/
/*HDB_ZPR_OGORC_ACC.Z_ORIG_DOC_CD            FORMAT=$4., */
/*HDB_ZPR_OGORC_ACC.Z_DTL_SEQ_NBR,          */
HDB_ZPR_OGORC_ACC.LASTUPDDTTM,               /*FORMAT=DATETIME20.,*/
HDB_ZPR_OGORC_ACC.LASTUPDOPRID              FORMAT=$8.,
HDB_ZPR_OGORC_ACC.CREATE_DTTM,              /*FORMAT=DATETIME20.,*/
HDB_ZPR_OGORC_ACC.OPRID_ENTERED_BY          FORMAT=$8.
FROM CAMPPROD.HDB_ZPR_OGORC_ACC
      (DBSASTYPE=(CREATE_DTTM='datetime20.' LASTUPDDTTM='datetime20.'))
AS HDB_ZPR_OGORC_ACC
WHERE
HDB_ZPR_OGORC_ACC.Z_STATUS = 'ACTV' AND
HDB_ZPR_OGORC_ACC.Z_ACTN_CD = 'A' AND

((CALCULATED PROD_DT_PART) >= '01JAN2002'D AND
(CALCULATED PROD_DT_PART) <= '31DEC2012'D) AND

(CALCULATED CUST_PFX) NOT IN ('F','L','S','V','W') AND
Z_PROD_CD IN ('01','02') AND
(Z_SALE_VOL > 0 OR
/* ADJ VOLS FOR SPILLED OR DRIP INSIGNIFICANT CHANGE, ADJ VOL CHG SIGN TO
POSITIVE*/
Z_DISPTN_CD IN ('08','16'));

/* this provides the same totals as the previoys version with
only the status, action code and date filters tested 11/01/13 */

%put sqllobs=**&sqllobs**
      sqloops=**&sqloops**
      sqlrc=**&sqlrc**
      RUN;
/*****/

/* OGOR B AND C SUMMARIZE FOR LIQUIDS */

ods html close;

OPTIONS LS=256 PS=70 PAGENO=MIN ORIENTATION=LANDSCAPE OVP MISSING=0
NOCENTER PRINTMSGLIST SASTRACELOC=SASLOG
CLEANUP NOERRORABEND SOURCE SOURCE2;

/*****/
/* OGOR B LOAD */
/*****/
/* GET ACC OGOR B DATA FROM OGORBsql */
/*****/
/* OGOR B */
/*****/

```

```

/* FMP_NBR3 IS THE METER, FMP_NBR2 IS THE GAS PLANT */
/* SELECT VOL ASSOC W ROYALTY 01-SALES ROY MEAS
04-SALES ROY NOT MEAS
06-SALES NON-HYDROCARBON
07-COND ROY SALES MEAS
09-SALES NO ROY MEAS*/

DATA OGORB;
SET SASUSER.OGORB0212;
SLS_YR = YEAR(PROD_DT_PART);
SLS_MO = MONTH(PROD_DT_PART);
FAC = ' ';
METER = 'XXXXXXXXXX';
IF Z_FMP_NBR2 NE ' ' THEN FAC = Z_FMP_NBR2;
IF Z_FMP_NBR3 NE ' ' THEN METER = Z_FMP_NBR3;
PROD_TY = 'XXXXXXXX';
IF Z_OIL_DISPTN_VOL GT 0 AND Z_DISPTN_CD NOT IN ('07','16') THEN
PROD TY = 'OIL';
IF Z_OIL_DISPTN_VOL GT 0 AND Z_DISPTN_CD IN ('07','16') THEN PROD_TY =
'COND';

IF Z_GAS_DISPTN_VOL GT 0 AND Z_DISPTN_CD NE '06' THEN PROD_TY = 'GAS';
IF Z_GAS_DISPTN_VOL GT 0 AND Z_DISPTN_CD EQ '06' THEN PROD_TY =
'GASOTHER';
/*IF Z_DISPTN_CD IN ('07','13','16');*/
/*IF Z_FMP_NBR3 NE ' ';*/
RUN;
/*****/
PROC SORT DATA = OGORB;
BY PROD_TY;
RUN;
/*****/
/* TEST TOTAL B */
PROC MEANS DATA=OGORB MAXDEC=0 EXCLNPWGT NOPRINT;
BY PROD_TY;
VAR Z_OIL_DISPTN_VOL Z_GAS_DISPTN_VOL Z_API_GRAVITY Z_BTU;
OUTPUT OUT=SUMBTEST1
SUM(Z_OIL_DISPTN_VOL) = BCHK1_OIL_SOLD
MEAN(Z_API_GRAVITY) = BCHK1_AVG_GRAV
SUM(Z_GAS_DISPTN_VOL) = BCHK1_GAS
MEAN(Z_BTU) = BCHK1_AVG_BTU;
RUN;
/*****/
PROC SORT DATA = OGORB;
BY Z_CON_NBR PROD_DT_PART PROD_TY;
RUN;
/*****/
/* TOTAL BY PRODUCT */
PROC MEANS DATA=OGORB MAXDEC=0 EXCLNPWGT NOPRINT;
BY Z_CON_NBR PROD_DT_PART PROD_TY;
VAR Z_OIL_DISPTN_VOL Z_GAS_DISPTN_VOL Z_API_GRAVITY Z_BTU;
OUTPUT OUT=SUMBTOT
SUM(Z_OIL_DISPTN_VOL) = BTOT_OIL_SOLD
MEAN(Z_API_GRAVITY) = BTOT_AVG_GRAV
SUM(Z_GAS_DISPTN_VOL) = BTOT_GAS
MEAN(Z_BTU) = BTOT_AVG_BTU;
RUN;
/*****/

```

```

/*DATA SUMBTOT;
  SET SUMBTOT;
BTOT_AVG_BTU = ROUND(BTOT_AVG_BTU,1);
  IF BTOT_AVG_BTU GT 1500;
  RUN;*/
/*****
  /* SEPARATE OIL FROM GAS BECAUSE OF OGOR C */
DATA SUMBTOTOIL SUMBTOTOTH;
  SET SUMBTOT;
  IF PROD_TY IN ('OIL','COND') THEN OUTPUT SUMBTOTOIL;
  IF PROD_TY NOT IN ('OIL','COND') THEN OUTPUT SUMBTOTOTH;
RUN;
/*****
/*OGOR C LOAD */
/*****
/* GET ACC OGOR C DATA FROM OGORCSq1 */
  /* FMP_NBR3 IS THE METER, FMP_NBR IS THE TANK */
  /* ADJ CDS 05 AND 09 MAY BE REPORTED WITH 0 Z_SALE_VOL */
  /* ADJ CODE 05 VOLS ARE MINIMAL */
DATA OGORC;
SET SASUSER.OGORC0212;
SLS_YR = YEAR(PROD_DT_PART);
SLS_MO = MONTH(PROD_DT_PART);
FAC = 'XXXXXXXXXX';
METER = 'XXXXXXXXXX';
IF Z_FMP_NBR NE ' ' THEN FAC = Z_FMP_NBR;
  IF Z_FMP_NBR3 NE ' ' THEN METER = Z_FMP_NBR3;
  IF Z_FMP_NBR3 EQ ' ' THEN METER = Z_FMP_NBR;
  PROD_TY = 'XXXXXXXX';
  IF Z_PROD_CD = '01' THEN PROD_TY = 'OIL';
  IF Z_PROD_CD = '02' THEN PROD_TY = 'COND';
/* SKIP ADJ CODES 08 AND 16 AS INSIGNIFICANT VOLUMES */
/* ADJ REPORTED AND NEG, CHANGE SIGH */
IF Z_SALE_VOL GT 0;
RUN;
/*****
PROC SORT DATA = OGORC;
  BY PROD_TY;
  RUN;
/*****
PROC MEANS DATA=OGORC MAXDEC=0 NOPRINT;
  BY PROD_TY;
VAR Z_PROD_N_VOL Z_SALE_VOL Z_ADJ_VOL Z_API_GRAVITY;
OUTPUT OUT=SUMCTEST1
      SUM(Z_SALE_VOL) = CCHK1_OIL_SOLD
      MEAN(Z_API_GRAVITY) = CCHK1_AVG_GRAV;
RUN;
/*****
PROC SORT DATA = OGORC;
  BY Z_CON_NBR PROD_DT_PART PROD_TY;
  RUN;
/*****
PROC MEANS DATA=OGORC MAXDEC=0 NOPRINT;
  BY Z_CON_NBR PROD_DT_PART PROD_TY;
VAR Z_PROD_N_VOL Z_SALE_VOL Z_ADJ_VOL Z_API_GRAVITY;
OUTPUT OUT=SUMCTOT
      SUM(Z_SALE_VOL) = CTOT_OIL_SOLD

```

```

MEAN(Z_API_GRAVITY) = CTOT_AVG_GRAV;
RUN;
/*****/
DATA SUMCTOT;
  SET SUMCTOT;
CTOT_OIL_SOLD = ROUND(CTOT_OIL_SOLD,1);
  RUN;
/*****/
/* COMBINE B AND C */
  DATA BCTOTOILBANDC(DROP = _TYPE_ _FREQ_)
        BCTOTOILBONLY(DROP = _TYPE_ _FREQ_)
        BCTOTOILCONLY(DROP = _TYPE_ _FREQ_);
  MERGE SUMBTOTOIL(IN=X) SUMCTOT(IN=Y);
  BY Z CON NBR PROD DT PART PROD TY;
  IF X=1 AND Y=1 THEN OUTPUT BCTOTOILBANDC;
  IF X=1 AND Y=0 THEN OUTPUT BCTOTOILBONLY;
  IF X=0 AND Y=1 THEN OUTPUT BCTOTOILCONLY;
RUN;
/*****/
/* COMBINE B AND C TOTALS */
/*fix for cond 11/03/13*/
  DATA BCTOTOILBANDCCOMB;
  SET BCTOTOILBANDC;
  IF PROD_TY = 'OIL' THEN
    DO;
      OIL_SOLD = BTOT_OIL_SOLD + CTOT_OIL_SOLD;
      OIL_AVG_GRAV = ((BTOT_AVG_GRAV*BTOT_OIL_SOLD) +
(CTOT_AVG_GRAV*CTOT_OIL_SOLD))/
(BTOT_OIL_SOLD + CTOT_OIL_SOLD);
      OIL_AVG_GRAV = ROUND(OIL_AVG_GRAV, .1);
    END;
  IF PROD_TY = 'COND' THEN
    DO;
      COND_SOLD = BTOT_OIL_SOLD + CTOT_OIL_SOLD;
      COND_AVG_GRAV = ((BTOT_AVG_GRAV*BTOT_OIL_SOLD) +
(CTOT_AVG_GRAV*CTOT_OIL_SOLD))/
(BTOT_OIL_SOLD + CTOT_OIL_SOLD);
      COND_AVG_GRAV = ROUND(COND_AVG_GRAV, .1);
    END;
RUN;
/*****/
/* B ONLY */
  DATA BCTOTOILBONLY(DROP = );
  SET BCTOTOILBONLY;
  IF PROD_TY = 'OIL' THEN
    DO;
      OIL_SOLD = BTOT_OIL_SOLD;
      OIL_AVG_GRAV = BTOT_AVG_GRAV;
    END;
  IF PROD_TY = 'COND' THEN
    DO;
      COND_SOLD = BTOT_OIL_SOLD;
      COND_AVG_GRAV = BTOT_AVG_GRAV;
    END;
RUN;
/*****/
/* C ONLY */

```

```

DATA BCTOTOILCONLY(DROP =);
SET BCTOTOILCONLY;
IF PROD_TY = 'OIL' THEN
  DO;
    OIL_SOLD = CTOT_OIL_SOLD;
    OIL_AVG_GRAV = CTOT_AVG_GRAV;
  END;
IF PROD_TY = 'COND' THEN
  DO;
    COND_SOLD = CTOT_OIL_SOLD;
    COND_AVG_GRAV = CTOT_AVG_GRAV;
  END;
RUN;
/*****/
/* OTHER FIXED 8/6/11 */
/*DATA SUMBTOTOTH(DROP = _TYPE_ _FREQ_);
SET SUMBTOTOTH;
OIL_SOLD = 0;
AVG_GRAV = 0;
IF PROD_TY EQ 'COND' THEN
  DO;
    OIL_SOLD = BTOT_OIL_SOLD;
    AVG_GRAV = BTOT_AVG_GRAV;
  END;
RUN;*/
/*****/
/* RECOMBINE */
/* DROP THE OGOR TABLE COLUMNS FOR OIL IF YOU WANT */
DATA OGORROYVOLS(DROP = BTOT_OIL_SOLD BTOT_AVG_GRAV
                    CTOT_OIL_SOLD CTOT_AVG_GRAV
                    Z_CON_NBR BTOT_GAS BTOT_AVG_BTU)
  OGORROYVOLSCHK ;
SET BCTOTOILBANDCCOMB
  BCTOTOILBONLY
  BCTOTOILCONLY
  /*SUMBTOTOTH*/;
  BY Z_CON_NBR PROD_DT_PART PROD_TY;
/* KEEP ONLY OIL */
/*IF PROD_TY IN ('OIL','COND');*/
LSE_OR_AGRMT = Z_CON_NBR;
/*FORMAT SALE_DT_PART mmyys07.;
SALE_DT_PART = PROD_DT_PART;*/
/*IF OIL_SOLD GT 0 AND COND_SOLD GT 0;*/
RUN;
/*****/
DATA OGORROYVOLSLISY;
SET OGORROYVOLS (OBS = 500);
RUN;
/*****/
PROC SORT DATA = OGORROYVOLSCHK;
  BY PROD_TY;
RUN;
/*****/
/* TEST TOTAL ROY VOLS */
PROC MEANS DATA=OGORROYVOLSCHK MAXDEC=0 EXCLNPWGT NOPRINT;
  BY PROD_TY;
VAR OIL_SOLD OIL_AVG_GRAV COND_SOLD COND_AVG_GRAV BTOT_GAS BTOT_AVG_BTU;

```

```
OUTPUT OUT=SUMBCTESTLAST
      SUM(OIL_SOLD)          = LAST_OIL_SOLD
      MEAN(OIL_AVG_GRAV)    = LAST_OIL_AVG_GRAV
      SUM(COND_SOLD)        = LAST_COND_SOLD
      MEAN(COND_AVG_GRAV)   = LAST_COND_AVG_GRAV

      SUM(BTOT_GAS)         = LAST_GAS
      MEAN(BTOT_AVG_BTU)    = LAST_AVG_BTU;

RUN;
/*****
/* CHECK ALL TOTALS */
DATA SUMBCCHKALL;
MERGE SUMBTEST1 SUMCTEST1 SUMBCTESTLAST;
BY PROD_TY;
SUM_BC_OIL = BCHK1_OIL_SOLD + CCHK1_OIL_SOLD;
RUN;
```



Delehanty, Brian <brian.delehanty@onrr.gov>

Crow Reservation

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Jul 2, 2014 at 6:53 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

If we follow the same logic as Fields, must have >3 payors every month of the year to calculate a major portion price, then we do not calculate a major portion price for any Crow lines. There is at least one month each year from 2002-2013 in which there are fewer than 3 payors for the Crow Reservation.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Jul 2, 2014 at 8:05 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Otherwise, I have all the numbers summed up and dare I say we might maybe sort of kind of be done?

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Summary

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Thu, Jul 3, 2014 at 11:08 AM

To: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Attached is my summary information as well as the summarized methodology.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments



Major Portion Summary.xlsx

22890K



Cumulative Methodology Summary.docx

27K

Methodology

SAS

Indian 2014 Lines

(b) (5)

(b) (5)

Federal 2014 Lines

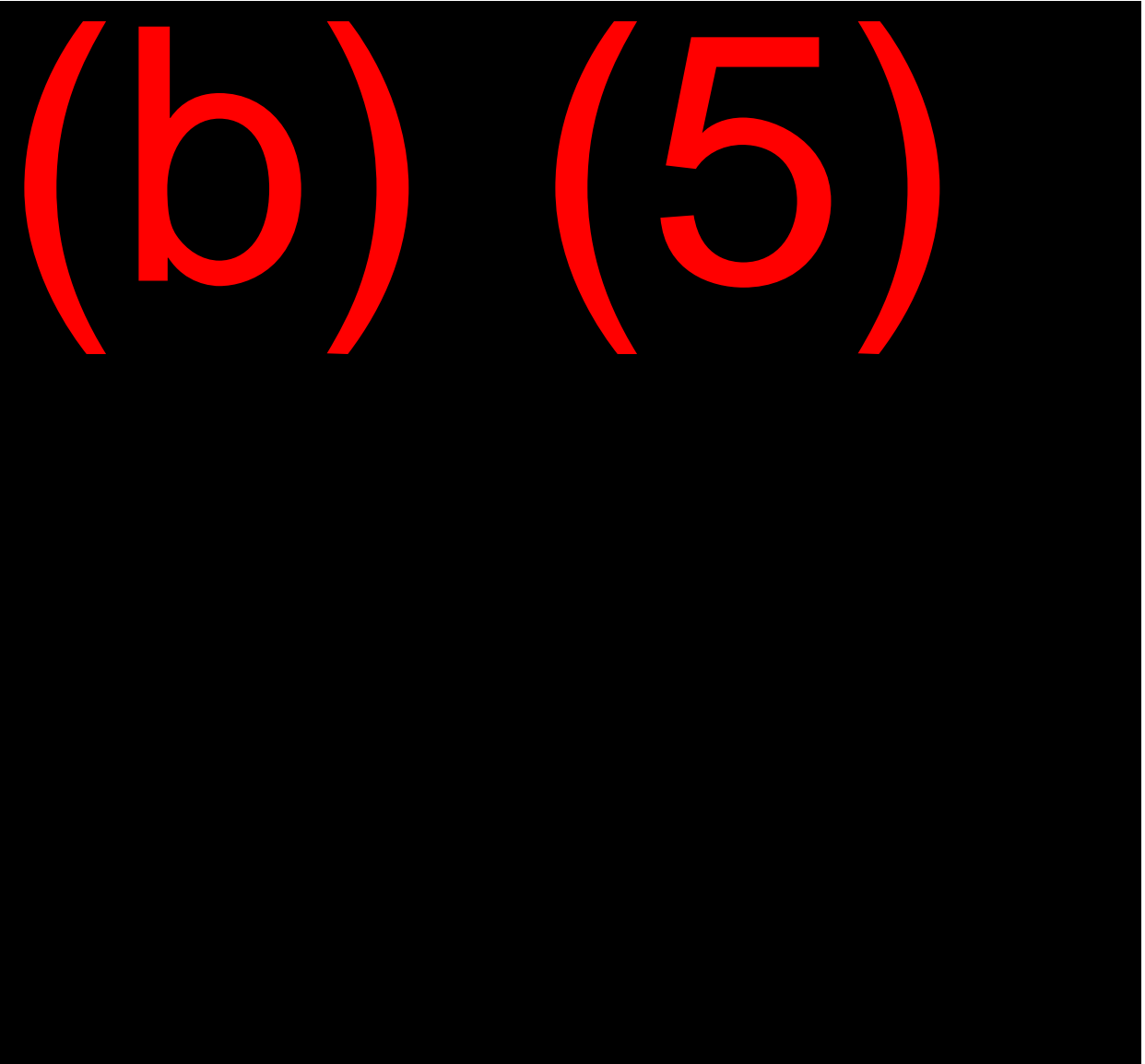
(b) (5)

ONRR Stats Page Test

(b) (5)

ArcMap

Feature Class Preperation



Excel

Field Assignment



County Cleanup

(b) (5)

Gravity Adjustments

(b) (5)

Remove Outliers

(b) (5)

Area Major Portion Price Calculation

(b) (5)

(b) (5)

Field Major Portion Price Calculation

(b) (5)

Additional Royalties Calculation

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Major Portion Summary

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Jul 29, 2014 at 8:46 AM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Attached are the additional royalties due as of 6/18/14. Within the Excel sheet I would take particular note of the first three tabs: Additional Royalties Due, Fields, and Areas. The first tab should be self explanatory but the Fields and Areas tabs may need some explanation.

The Field tab shows each Field by year and whether it qualifies for Field or Area level major portion pricing (b) (5)

[Redacted]

(b) (5)

[Redacted]

The remaining tabs simply show the list of Field Major Portion prices, Area Major Portion prices, and the cumulative data used to calculate Additional Royalties Due by Reservation.

Let me know if you need additional explanation.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments



Major Portion Summary.xlsx

22949K



Cumulative Methodology Summary.docx

27K

DeBerard, Michael <michael.deberard@onrr.gov>

Tue, Jul 29, 2014 at 1:00 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

Cc: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

It may be time to reconvene your group. (b) (5)

[Redacted]

Mike DeBerard

Manager, Economic and Market Analysis Office

Office of Natural Resources Revenue

Phone: 303-231-3884

[Quoted text hidden]

Methodology

SAS

Indian 2014 Lines

(b) (5)

(b) (5)

Federal 2014 Lines

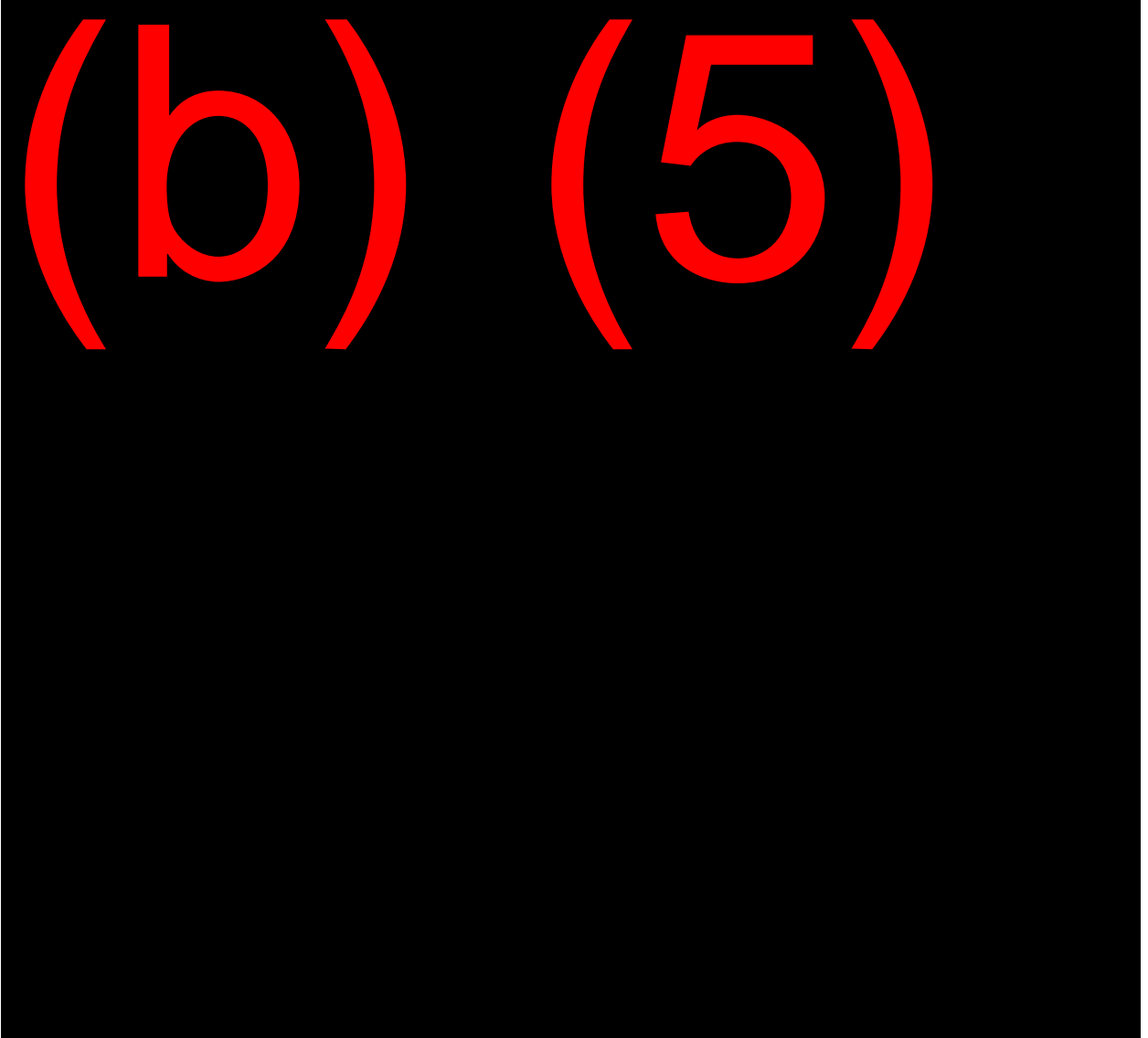
(b) (5)

ONRR Stats Page Test

(b) (5)

ArcMap

Feature Class Preperation



Excel

Field Assignment



County Cleanup

(b) (5)

Gravity Adjustments

(b) (5)

Remove Outliers

(b) (5)

Area Major Portion Price Calculation

(b) (5)

(b) (5) (b) (5)

Field Major Portion Price Calculation

(b) (5)

Additional Royalties Calculation

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

CSC Briefing

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Fri, Aug 1, 2014 at 1:22 PM

To: John Barder <john.barder@onrr.gov>

Cc: "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Here's what I came up with. I'll call you to talk about (b) (5), but let's talk this too to make sure there's nothing more I need to add.

Thanks

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



CSC Summary.docx

23K

Reservation		Additional Royalties Due
(b) (5)		(b) (5)
Grand Total		

Methodology:

(b) (5)

Major Portion Price Method Results

(b) (5)

Reservation	Tribal Study Period*
(b)	(5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

CSC Attachment

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Aug 4, 2014 at 7:46 AM

To: Christina Mathers <christina.mathers@onrr.gov>

Christina -

Sorry for the short notice, I just found out I was presenting Friday. It just occurred to me that we may have people calling in. I have an attachment for those people that I will be handing out in person. Could you please forward this to them?

Thanks

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Indian Oil Major Portion Implementation Status.docx

26K

Indian Oil Major Portion Implementation Status

Reservation	Additional Royalties Due	Tribal Study Period**
(b)	(5)	
Grand Total	(b) (5)	

(b) (5)

Methodology:

(b) (5)

Major Portion Price Method Results

Field Based Major Portion Eligibility	Count
(b) (5)	

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Ft. Berthold Order Methodology

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, Aug 19, 2014 at 11:01 AM

To: John Barder <john.barder@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Take a look at this shortened version. (b) (5)



Let me know if we need more detail in any sections.

Brian Delehanty

Energy Market Analyst


Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

2 attachments

 **Order Methodology Ft Berthold.docx**
23K

 **Order Methodology General.docx**
23K

Methodology

(b) (5)

(b) (5)

Methodology

(b) (5)

(b) (5)



Delehanty, Brian <brian.delehanty@onrr.gov>

Updated Major Portion Numbers

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Feb 23, 2015 at 3:58 PM

To: John Barder <john.barder@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael Curry <michael.curry@onrr.gov>

I'll do more analysis early tomorrow morning with things like Royalties by Payor, etc., but here are some initial numbers to look at if you stay late. (b) (5)

N:\MRM Shared\Data Transfers\Indian MP Analysis\CORRECTED-CY2002_2013_Indian_Federal_Oil_2014_Additional_Royalties.xlsx

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043



Delehanty, Brian <brian.delehanty@onrr.gov>

Gravity Question

3 messages

Delehanty, Brian <brian.delehanty@onrr.gov>
To: John Barder <john.barder@onrr.gov>
Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Wed, Feb 25, 2015 at 6:53 AM

I left you a voicemail this morning but I got my answer (b) (5)

Jason raised this question yesterday when proofreading.

(b) (5)

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

Barder, John <john.barder@onrr.gov>
To: "Delehanty, Brian" <brian.delehanty@onrr.gov>
Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Wed, Feb 25, 2015 at 7:09 AM

Brian,

I agree (b) (5)

(b) (5)

[Quoted text hidden]

—
John Barder

Program Manager, Central Audit and Compliance
Office of Natural Resources Revenue
Phone (303) 231-3702

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Delehanty, Brian <brian.delehanty@onrr.gov>
To: "Barder, John" <john.barder@onrr.gov>
Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>

Wed, Feb 25, 2015 at 7:10 AM

(b) (5)

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Updated Major Portion Numbers

2 messages

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, Feb 25, 2015 at 2:28 PM

To: John Barder <john.barder@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>, Ronald House <ronald.house@onrr.gov>

John -

I re-ran the numbers today (b) (5)

As an fyi, we have Jason running a peer review on this data so keep that in mind. We will notify you if he finds anything. Just wanted to get you something to look at in the meantime.

I'll be here the rest of the week when Ron is ready to review.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

John Barder <john.barder@onrr.gov>

Wed, Feb 25, 2015 at 3:45 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>

I talked to Ron about (b) (5)

Sent from my Verizon Wireless 4G LTE Smartphone
[Quoted text hidden]



Delehanty, Brian <brian.delehanty@onrr.gov>

Re: My process for preparing oil major portion data for Orders

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Mon, Mar 23, 2015 at 7:07 AM

To: "House, Ronald" <ronald.house@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>, John Barder <john.barder@onrr.gov>

Ron -

For the most part it looks fine. However, I have two differences.

: (b) (5)

The other question I have is (b) (5)

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

On Thu, Mar 19, 2015 at 11:10 AM, House, Ronald <ronald.house@onrr.gov> wrote:

Hi Brian, can you review my procedure, attached, and let me know if you're okay with it? Thanks.

--

Regards,

Ron House

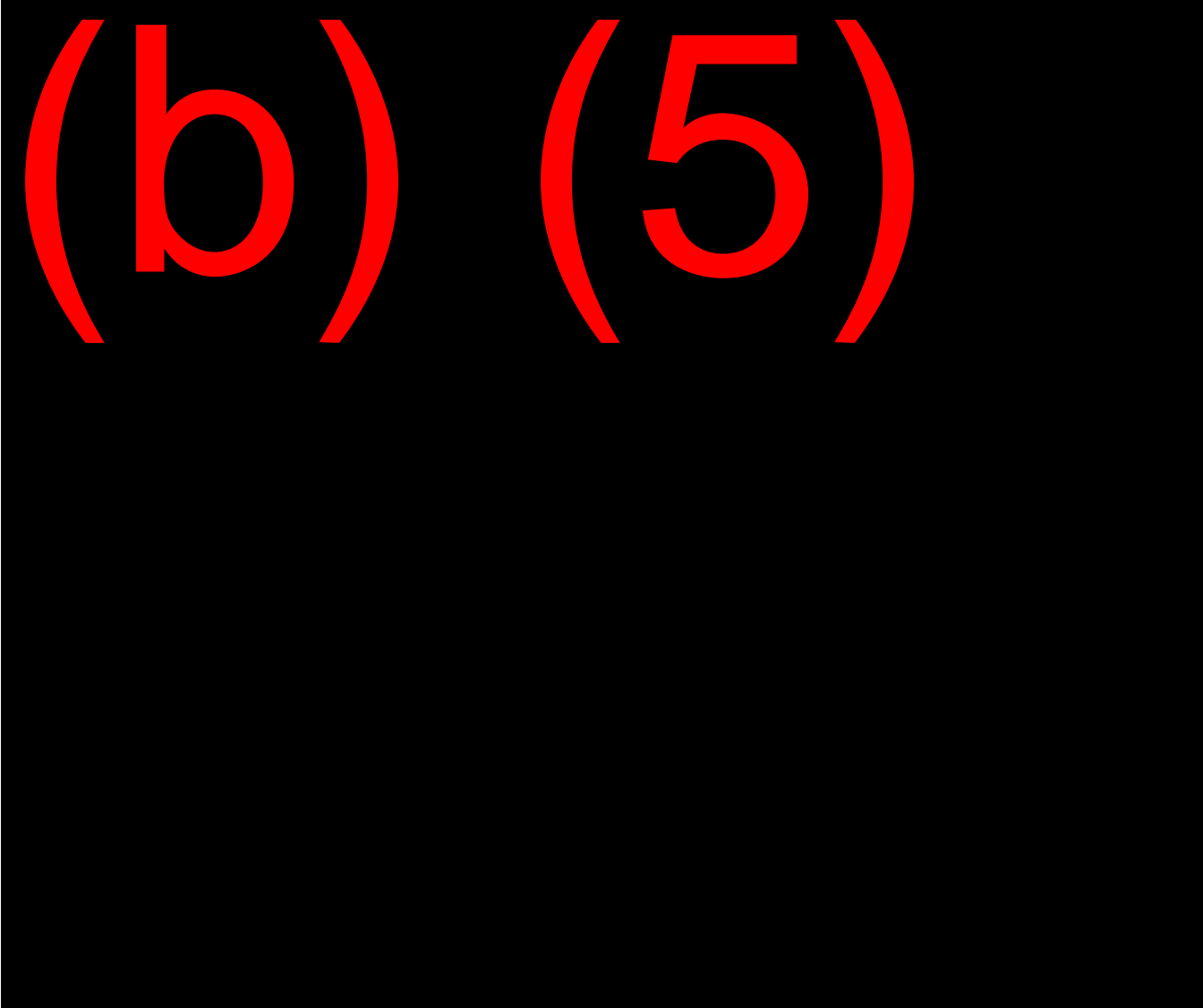
Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Procedure



(b)

(5)



Boroos, Jason <jason.boroos@onrr.gov>

Items for Tuesday's Major Portion Analysis Meeting

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Wed, Apr 23, 2014 at 2:26 PM

To: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

One item is a discussion "checklist" to at least get our discussion moving. The other is a slide from a presentation from last year's Indian Oil committee - it is primarily for looking at the number of payors and fields by reservation. We will also have maps of many (all??) reservations and OK.

-Karl

-

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

2 attachments



Checklist1.docx

33K



PayorsAndFields.pptx

101K

**Indian Oil Major Portion Analysis
Field vs Area**

(b) (5)

(b) (5)

Designated Areas by Percent of Royalties

(Proprietary – For Committee Use Only)

(b) (5)



Boroos, Jason <jason.boroos@onrr.gov>

Re: Items for Tuesday's Major Portion Analysis Meeting

1 message

Simpson, Stephen <stephen.simpson@sol.doi.gov>

Tue, Apr 29, 2014 at 7:50 AM

To: "Gibbs Tschudy, Deborah" <deborah.gibbstschudy@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Thanks, Debbie. It turns out that I will not be able to be on the phone the full time--I have a prep session for ASIA before a hearing on tribal energy. I will need to get off the phone at about 1:55 Eastern. Lance has noted that he has to take care of something at his office, and so will not be there at all.

Stephen L. Simpson

Division of Indian Affairs

Office of the Solicitor

202-219-1659

202-805-4117 (cell)

202-219-1791 (fax)

Stephen.Simpson@sol.doi.gov

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On Tue, Apr 29, 2014 at 9:44 AM, Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov> wrote:

Attached for our discussion today is a Powerpoint presentation containing the results of an IONR Ad Hoc SubCommittee tasked to develop field and area determinations for Indian oil. Their analysis may be helpful to us.

Debbie

Deborah Gibbs Tschudy
Deputy Director
Office of Natural Resources Revenue
(303) 231-3301
(303) 231-3194 (fax)

On Wed, Apr 23, 2014 at 2:26 PM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

One item is a discussion "checklist" to at least get our discussion moving. The other is a slide from a presentation from last year's Indian Oil committee - it is primarily for looking at the number of payors and fields by reservation. We will also have maps of many (all??) reservations and OK.

-Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

INDIAN OIL VALUATION COMMITTEE

AD HOC SUBCOMMITTEE RECOMMENDATIONS

June 4, 2013

Criteria for Determining Designated Area

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)

(b) (5)



Boroos, Jason <jason.boroos@onrr.gov>

Materials for DGT Meeting

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Tue, May 20, 2014 at 12:47 PM

To: "Boroos, Jason" <Jason.Boroos@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Here is what I have. Let me know if we need more stats, additional write up, different maps, etc. I'll be out after 1:30 this afternoon and will hopefully get to any corrections tomorrow between Communicquest obligations.

I also have a detailed Methodology and the supporting Excel data. I plan to bring a sample of the background data from ArcGIS so I can show what information the NIOGEMS wells already have.

Jason is helping me incorporate John Barder's lease list to see what result we get from using that data, but that is not included in the attached data.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

3 attachments

**Methodology Summary and Statistics 5_20_14.docx**

23K

**NIOGEMS_Wells_Fields_Data_Detail.pdf**

207K

**NIOGEMS_Wells_Fields_Data_High.pdf**

640K



Boroos, Jason <jason.boroos@onrr.gov>

Re: Items for Tuesday's Major Portion Analysis Meeting

1 message

Clement, Holly <holly.clement@sol.doi.gov>

Tue, Apr 29, 2014 at 1:12 PM

To: "Gibbs Tschudy, Deborah" <deborah.gibbstschudy@onrr.gov>

Cc: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

Hello all, (b) (5)

Holly

On Tue, Apr 29, 2014 at 9:44 AM, Gibbs Tschudy, Deborah <deborah.gibbstschudy@onrr.gov> wrote:

Attached for our discussion today is a Powerpoint presentation containing the results of an IONR Ad Hoc SubCommittee tasked to develop field and area determinations for Indian oil. Their analysis may be helpful to us.

Debbie

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-Karl

—

*Karl Wunderlich**Asset Valuation**Office of Natural Resources Revenue**U.S. Department of the Interior**303-231-3663 (office)**303-916-0906 (cell)**karl.wunderlich@onrr.gov*

|

--

Holly

Holly Harmuth Clement

Attorney-Advisor

Office of the Solicitor

Indian Trust Litigation Office

United States Department of the Interior

1849 C Street, NW, Room 7343, Mailstop 7357

Washington, DC 20240

Ph: (202) 208-1192

Fax: (202) 219-0559

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Boroos, Jason <jason.boroos@onrr.gov>

Re: Materials for DGT Meeting

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, May 20, 2014 at 4:03 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Here are my comments on the methodology. I simplified the verbiage a little for our meeting with Debbie.

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Tue, May 20, 2014 at 12:47 PM, Delehanty, Brian <brian.delehanty@onrr.gov> wrote:

Here is what I have. Let me know if we need more stats, additional write up, different maps, etc. I'll be out after 1:30 this afternoon and will hopefully get to any corrections tomorrow between Communicquest obligations.

I also have a detailed Methodology and the supporting Excel data. I plan to bring a sample of the background data from ArcGIS so I can show what information the NIOGEMS wells already have.

Jason is helping me incorporate John Barder's lease list to see what result we get from using that data, but that is not included in the attached data.

Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

**Methodology Summary and Statistics 5_20_14_JB Comments.docx**

24K

GIS Methodology Summary

(b) (5)

Ft. Berthold Major Portion Field Statistics

(b) (5)



Boroos, Jason <jason.boroos@onrr.gov>

Re: Materials for DGT Meeting

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, May 20, 2014 at 4:03 PM

To: "Delehanty, Brian" <brian.delehanty@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

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Brian Delehanty

Energy Market Analyst
Office of Natural Resources Revenue
brian.delehanty@onrr.gov
303-231-3043

**Methodology Summary and Statistics 5_20_14_JB Comments.docx**

24K

GIS Methodology Summary

(b) (5)

Ft. Berthold Major Portion Field Statistics

Field	Number of Unique Payor Codes	Additional Royalties Due	Royalty Rank
ANTELOPE	15	664,484.97	3
#N/A	15	135,763.05	14
SPOTTED HORN	11	381,769.60	8
HEART BUTTE	9	455,317.91	7
MANDAREE	8	940,226.19	2
EAGLE NEST	7	571,330.56	5
MCGREGORY BUTTES	6	1,015,036.90	1
MOCCASIN CREEK	5	496,273.18	6
SQUAW CREEK	5	215,416.65	11
VAN HOOK	4	360,395.75	9
SOUTH FORK	4	255,892.52	10
DEEP WATER CREEK BAY	4	79,016.76	16
FOUR BEARS	3	211,435.48	12
REUNION BAY	2	625,089.54	4
TWIN BUTTES	2	164,911.89	13
WILDCAT	2	89,944.47	15
CENTENNIAL	2	47,542.12	17
PARSHALL	2	3,962.14	19
WERNER	2	3,937.91	20
BIG BEND	1	4,509.65	18
CLARKS CREEK	1	-	21

**Boroos, Jason** <jason.boroos@onrr.gov>

Re: Materials for DGT Meeting

1 message

Delehanty, Brian <brian.delehanty@onrr.gov>

Wed, May 21, 2014 at 7:58 AM

To: "Boroos, Jason" <Jason.Boroos@onrr.gov>, "Wunderlich, Karl" <Karl.Wunderlich@onrr.gov>, Michael DeBerard <Michael.DeBerard@onrr.gov>

Updated Methodology/Summary Stats with finding from John's lease list.

Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

On Tue, May 20, 2014 at 12:47 PM, Delehanty, Brian <brian.delehanty@onrr.gov> wrote:

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Brian Delehanty

Energy Market Analyst

Office of Natural Resources Revenue

brian.delehanty@onrr.gov

303-231-3043

**Methodology 5_21_14.docx**

26K

GIS Major Portion Methodology Summary

(b) (5)

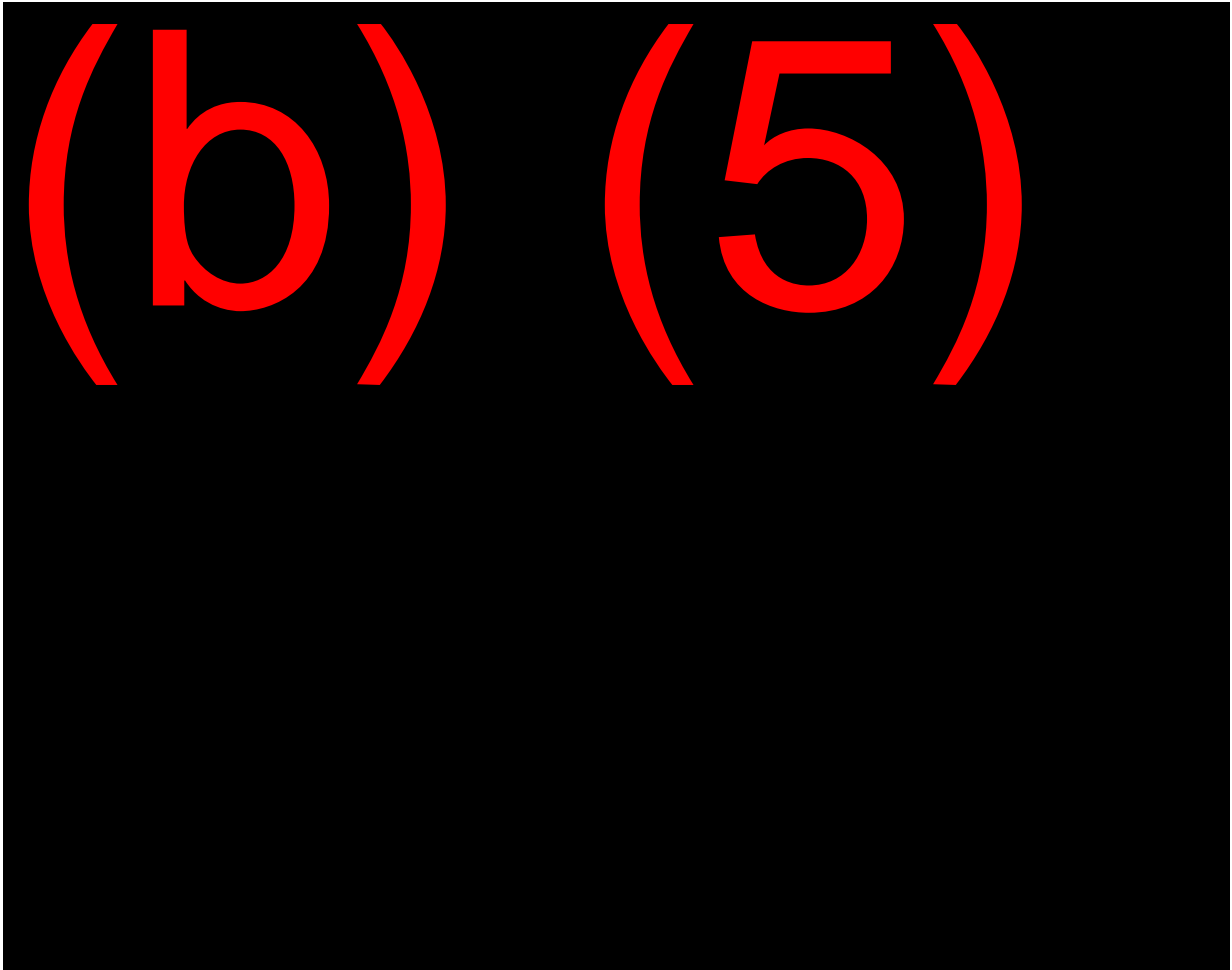
Ft. Berthold Major Portion Field Statistics – 2002-2012

(b) (5)

Lease List Major Portion Methodology

(b) (5)

Ft. Berthold Major Portion Field Statistics – 2002-2012





Boroos, Jason <jason.boroos@onrr.gov>

Major Portion checklist

1 message

Wunderlich, Karl <karl.wunderlich@onrr.gov>

Thu, May 22, 2014 at 8:32 AM

To: Bonnie Robson <bonnie.robson@onrr.gov>, Brian Delehanty <brian.delehanty@onrr.gov>, Carrie Wallace <carrie.wallace@onrr.gov>, Deborah Gibbs Tschudy <deborah.gibbstschudy@onrr.gov>, Elizabeth Dawson <lisa.dawson@onrr.gov>, Holly Clement <holly.clement@sol.doi.gov>, Jason Boroos <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Lance Wenger <lance.wenger@sol.doi.gov>, Michael Curry <michael.curry@onrr.gov>, Paul Tyler <paul.tyler@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Sarah Inderbitzin <sarah.inderbitzin@onrr.gov>, Stephen Simpson <stephen.simpson@sol.doi.gov>, Theresa Bayani <theresa.bayani@onrr.gov>

All:

As a refresher since our last meeting, I thought I would send out the checklist so you can see how far we had come and where we will pick up on the 27th. I have also included the study periods table with updates (b) (5) [REDACTED] as provided by Holly. (Holly, if you catch any errors, please let me know.)

-Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov

2 attachments



Indian Oil Major Portion Checklist by Tribe April 28, 2014.docx

43K



STUDY PERIODS.docx

30K

**Checklist for Field vs Area
Indian Oil Major Portion Analysis**

(b) (5)

(b) (5)

(b) (5)

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

STUDY PERIODS

(b) (5)



Boroos, Jason <jason.boroos@onrr.gov>

Re: Major Portion checklist

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, May 27, 2014 at 12:42 PM

To: "Wunderlich, Karl" <karl.wunderlich@onrr.gov>, Brian Delehanty <Brian.Delehanty@onrr.gov>

Here is the draft checklist from today's meeting


Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Thu, May 22, 2014 at 8:32 AM, Wunderlich, Karl <karl.wunderlich@onrr.gov> wrote:

All:

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-Karl

--

Karl Wunderlich

Asset Valuation

Office of Natural Resources Revenue

U.S. Department of the Interior

303-231-3663 (office)

303-916-0906 (cell)

karl.wunderlich@onrr.gov



Indian Oil Major Portion Checklist by Tribe May 27, 2014.docx

46K

**Checklist for Field vs Area
Indian Oil Major Portion Analysis**

(b) (5)

(b) (5)

(b) (5)

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Application of Checklist to (b) (5)

(b) (5)

(b) (5)

Non-Responsive

Non-Responsive



Boroos, Jason <jason.boroos@onrr.gov>

Re: Oil Major Portion Orders - Fort Berthold

1 message

Clark, Judith <judith.clark@onrr.gov>

Fri, Apr 24, 2015 at 10:58 AM

To: Ronald House <ronald.house@onrr.gov>

Cc: Michael DeBerard <Michael.DeBerard@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>, John Barder <john.barder@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>, "Boroos, Jason" <jason.boroos@onrr.gov>

Thank you Jason!

Hi Ron, please review the data holistically and also against the paid/reported companies we identified this week. I'll set up a meeting on Monday for ACM to discuss to see if we need to meet further with the whole group. Thank you!

Judi Clark

Program Manager

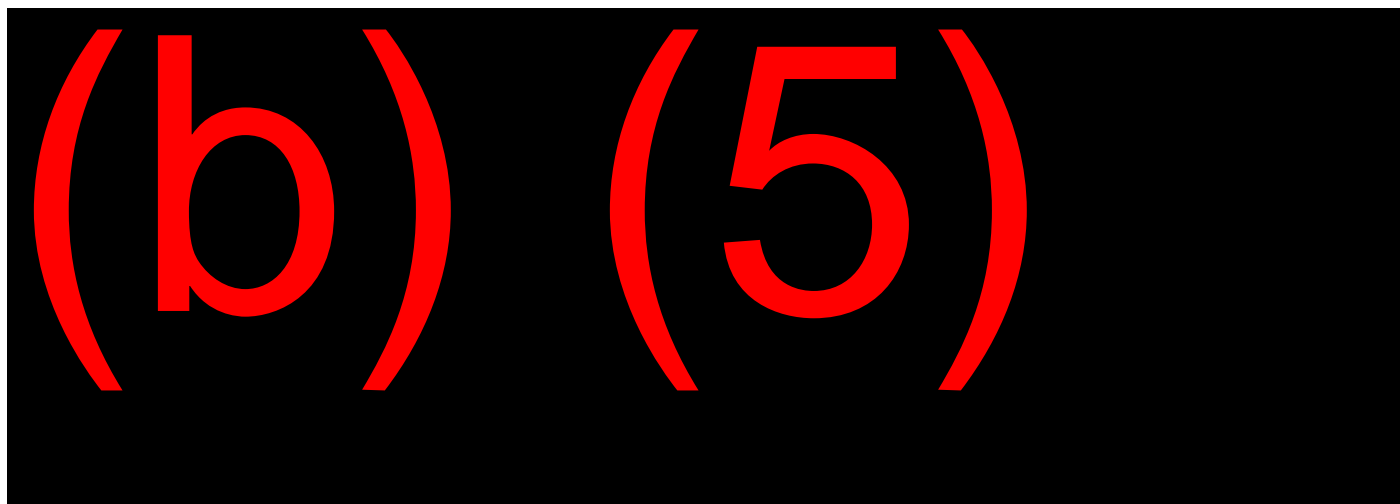
Western, Audit & Compliance

303-231-3537

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On Thu, Apr 23, 2015 at 4:07 PM, Boroos, Jason <jason.boroos@onrr.gov> wrote:

Hi Judy,



I think we may need a meeting to discuss further but please let me know if you have additional questions. Unfortunately I will be out of the office until May 4th but I have briefed Robert Sudar on the issue should you meet next week.

Thanks,

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Thu, Apr 23, 2015 at 10:53 AM, Clark, Judith <judith.clark@onrr.gov> wrote:
Perfect - thanks Jason!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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On Tue, Apr 21, 2015 at 9:42 AM, Boroos, Jason <jason.boroos@onrr.gov> wrote:
Hi Judy,

That's no problem, I'll re-run the data including the new PCs and send it over soon.

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Tue, Apr 21, 2015 at 6:58 AM, Clark, Judith <judith.clark@onrr.gov> wrote:
Hi Jason,

I'm trying to handle the new Indian Oil Major Portion data and liabilities while John is out. Please see Ron's message. We have several companies who have claimed that they have paid and reported, but in the new data set (through 3/31/2015), these companies still show liabilities. Ron indicated it may be because we are not picking up 2014 lines including the new oil products.

Could you please rerun the 2014 data (re-massage the data)? If you have any questions, please contact Ron.

PS Just spoke with Mike.

Thank you!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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----- Forwarded message -----

From: **House, Ronald** <ronald.house@onrr.gov>
Date: Mon, Apr 20, 2015 at 2:11 PM
Subject: Re: Oil Major Portion Orders - Fort Berthold
To: "Clark, Judith" <judith.clark@onrr.gov>

Yes, we have a problem here. HRC originally reported the lines as product code 01, but adjusted them using the new product code 61 (sweet crude). I can fix this, but it'd be best if we inform AV about this. Their roll up should take the new product codes into account.

On Mon, Apr 20, 2015 at 1:46 PM, Clark, Judith <judith.clark@onrr.gov> wrote:

Hi Ron, Can you please look at the HRC 2014 lines for the Indian Oil Major Portion - according to Mike, they reported, but I'm still showing a tribal liability of \$61,920.74. The original was \$59,125.81. Can you confirm what they did? Thanks!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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----- Forwarded message -----

From: **Curry, Michael** <michael.curry@onrr.gov>
Date: Mon, Apr 20, 2015 at 12:53 PM
Subject: Oil Major Portion Orders - Fort Berthold

To: Judith Clark <Judith.Clark@onrr.gov>

Judi,

I have confirmed with both Analysts that the payor has both paid and submitted their CMP-2014s for the following:

HRC Operating, LLC, CIM 15-00222.001, royalties collected \$6,804.69

Denbury Onshore, LLC, CIM 15-00109.001, royalties collected \$59,125.81

--

Mike Curry

Audit Manager, WAC Denver B
U.S. Department of the Interior
Office of Natural Resources Revenue
P. O Box 25165
Denver, CO 80225-0165
(303) 231-3741

--

Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Boroos, Jason <jason.boroos@onrr.gov>

RE: Updated Oil Major Portion

1 message

Judith Clark <judith.clark@onrr.gov>

Thu, May 14, 2015 at 9:40 AM

To: "Boroos, Jason" <jason.boroos@onrr.gov>, John Barder <john.barder@onrr.gov>

Cc: Michael DeBerard <michael.deberard@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Hi Jason,

John and I are both out of the office this week. (b) (5)

Couple of questions:

- 1) (b) (5)
- 2) (b) (5)

Thanks!

Sent from my T-Mobile 4G LTE Device

----- Original message -----

From: "Boroos, Jason" <jason.boroos@onrr.gov>

Date: 05/14/2015 8:36 AM (GMT-07:00)

To: Judith Clark <judith.clark@onrr.gov>, John Barder <john.barder@onrr.gov>

Cc: Michael DeBerard <michael.deberard@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>

Subject: Updated Oil Major Portion

Hi all,

(b) (5)

Thanks,

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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1/5/2016

DEPARTMENT OF THE INTERIOR Mail - RE: Updated Oil Major Portion

communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return e-mail.



Boroos, Jason <jason.boroos@onrr.gov>

Re: Updated Oil Major Portion

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Thu, May 14, 2015 at 11:04 AM

To: Judith Clark <judith.clark@onrr.gov>

Cc: John Barder <john.barder@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Hi Judy,

No problem Judy, I saw John was out till Monday. For your questions:

- 1. (b) (5)
- 2. (b) (5)

Hope this helps, let me know if you need anything else.

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Thu, May 14, 2015 at 9:40 AM, Judith Clark <judith.clark@onrr.gov> wrote:

Hi Jason,

John and I are both out of the office this week. (b) (5)

Couple of questions:

- 1) (b) (5)
- 2) (b) (5)

Thanks!

Sent from my T-Mobile 4G LTE Device

----- Original message -----

From: "Boroos, Jason" <jason.boroos@onrr.gov>
Date: 05/14/2015 8:36 AM (GMT-07:00)
To: Judith Clark <judith.clark@onrr.gov>, John Barder <john.barder@onrr.gov>
Cc: Michael DeBerard <michael.deberard@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>
Subject: Updated Oil Major Portion

Hi all,

(b) (5)

Thanks,

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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Boroos, Jason <jason.boroos@onrr.gov>

Re: (b) (5)

1 message

Clark, Judith <judith.clark@onrr.gov>

Thu, May 21, 2015 at 1:07 PM

To: "House, Ronald" <ronald.house@onrr.gov>

Cc: Jason Boroos <jason.boroos@onrr.gov>, Robert Sudar <robert.sudar@onrr.gov>, John Barder <john.barder@onrr.gov>

Question (b) (5)

Thanks.

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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On Thu, May 21, 2015 at 5:07 AM, House, Ronald <ronald.house@onrr.gov> wrote:

Hi Jason and Robert, (b) (5)

—
Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Boroos, Jason <jason.boroos@onrr.gov>

Re: Ft. Berthold Methodology

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Wed, Jun 24, 2015 at 9:50 AM

To: John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>

Cc: "Metiver, Jeanne" <jeanne.metiver@onrr.gov>

Hi guys,

Here are my comments on the enclosure methodology, hope this helps.

Let me know if you have any questions.

Thanks,

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Tue, Jun 23, 2015 at 10:50 AM, Metiver, Jeanne <jeanne.metiver@onrr.gov> wrote:

Jason,

Attached is the Word Doc.

--

Jeanne A. Metiver, Secretary
U.S. Department of the Interior
Office of Natural Resources Revenue
ACM, Western Audit and Compliance
P.O. Box 25165, DFC, MS62500B
Denver, CO 80225-0165
303-231-3216, Jeanne.Metiver@onrr.gov

 **6_Ft Berthold major portion methodology final.docx**
35K

Fort Berthold Oil Major Portion Methodology

(b) (5)

(b) (5)

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Enclosure 2

(b) (5)

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**Boroos, Jason** <jason.boroos@onrr.gov>

Fort Berthold Major Portion

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, Jun 30, 2015 at 9:49 AM

To: John Barder <john.barder@onrr.gov>, Judith Clark <judith.clark@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Cc: Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Hi all,

I've finished calculating the Fort Berthold Major Portion Prices and Additional Royalties. Please note that the additional royalties data is as of 6/16/15 where the prices are as of 12/2/14. This was to differentiate the submitted 2014s where companies complied with or made adjustments from the now rescinded order letter.

The folder with all the applicable data and methodology is located "N:\MRM Shared\Data Transfers\MajorPortionProject". Robert Sudar has also peer reviewed this data.

Please let me know if you have any questions.

Thanks,

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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Boroos, Jason <jason.boroos@onrr.gov>

Re: Fort Berthold Major Portion

1 message

Clark, Judith <judith.clark@onrr.gov>

Tue, Jun 30, 2015 at 10:20 AM

To: "Boroos, Jason" <jason.boroos@onrr.gov>

Cc: John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Thank you Jason! We will now let Ron do his magic!

Judi Clark

Program Manager

Western, Audit & Compliance

303-231-3537

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On Tue, Jun 30, 2015 at 9:49 AM, Boroos, Jason <jason.boroos@onrr.gov> wrote:

Hi all,

I've finished calculating the Fort Berthold Major Portion Prices and Additional Royalties. Please note that the additional royalties data is as of 6/16/15 where the prices are as of 12/2/14. This was to differentiate the submitted 2014s where companies complied with or made adjustments from the now rescinded order letter.

The folder with all the applicable data and methodology is located "N:\MRM Shared\Data Transfers\MajorPortionProject". Robert Sudar has also peer reviewed this data.

Please let me know if you have any questions.

Thanks,

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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Boroos, Jason <jason.boroos@onrr.gov>

Re: (b) (5)

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Thu, May 21, 2015 at 9:45 AM

To: "House, Ronald" <ronald.house@onrr.gov>

Cc: Robert Sudar <robert.sudar@onrr.gov>, Judith Clark <judith.clark@onrr.gov>

Hi Ron,



If you're in the office today we'd be happy to come by and discuss or next week if you're available.

Thanks,

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Thu, May 21, 2015 at 5:07 AM, House, Ronald <ronald.house@onrr.gov> wrote:

Hi Jason and Robert, (b) (5)

—
Regards,

Ron House

Phone: 303.231.3779

Fax: 303.231.3849

MessageWay User ID: HouseR

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Boroos, Jason <jason.boroos@onrr.gov>

Re: Oil Major Portion Price

1 message

Boroos, Jason <jason.boroos@onrr.gov>
To: "Dillon, Sean" <sean.dillon@onrr.gov>
Cc: Ronald House <ronald.house@onrr.gov>

Tue, Jul 7, 2015 at 8:51 AM

Hi Sean,

Yes in the new data that we provided the MP prices did change. We had to re-calculate the MP prices because of a methodology change. The prior MP prices were calculated excluding 2014 lines that reported transaction code 11 (transportation). The new MP Prices include the trans code 11 lines so we do see some changes reflected in the MP prices.

Let me know if you have any additional questions.

Thanks,

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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On Tue, Jul 7, 2015 at 8:44 AM, Dillon, Sean <sean.dillon@onrr.gov> wrote:

Good Morning Jason,

I have been asked to spot check some liabilities for Oil Major Portion and I have a question on the Oil MP Prices. I have noticed some price changes in the MP price between the data that we received last time (receipt date of 5/31) and the new data set (receipt date of mid june). Did the new data that you pulled have an effect on MP price? From my limited understanding I thought that MP price would have stayed the same. I have explained a situation below if you need specifics. Please let me know. Thanks!

(b) (5)

R/s,

Sean D. Dillon
Auditor
Audit and Compliance Management
Office of Natural Resources Revenue
p: 303.231.3921
f: 303.445.4297
MessageWay: Dillons

Sean.Dillon@onrr.gov

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Boroos, Jason <jason.boroos@onrr.gov>

Re: 2010 Fort Berthold Additional Royalties Due

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, Jul 28, 2015 at 1:08 PM

To: "Shelton, Fred" <fred.shelton@onrr.gov>

Cc: Ronald House <ronald.house@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>

Hi Fred,

(b) (5)

I'm sorry for any inconvenience that this change is causing you.

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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On Tue, Jul 28, 2015 at 12:41 PM, Shelton, Fred <fred.shelton@onrr.gov> wrote:

Jason,

(b) (5)

Thanks,

Fred Shelton

Supervisory Auditor

Office Natural Resources Revenue

(918) 610-6504 FAX (918) 669-9053

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----- Forwarded message -----

From: **Claybaker, Alan** <alan.claybaker@onrr.gov>
Date: Tue, Jul 28, 2015 at 12:49 PM
Subject: Fwd: 2010 Fort Berthold Additional Royalties Due
To: Fred <fred.shelton@onrr.gov>, Adrienne Tomlin <adrienne.tomlin@onrr.gov>

Alan Claybaker
Manager Tulsa Office
ONRR, ACM, CAC
918-610-6502

----- Forwarded message -----

From: **Clark, Judith** <judith.clark@onrr.gov>
Date: Tue, Jul 28, 2015 at 12:44 PM
Subject: Fwd: 2010 Fort Berthold Additional Royalties Due
To: Geoffrey Gibson <geoffrey.gibson@onrr.gov>, Shawna Schimke <shawna.schimke@onrr.gov>, Alan Claybaker <alan.claybaker@onrr.gov>, Michael Curry <michael.curry@onrr.gov>, Linda Shishido-Sheahan <linda.shishido-sheahan@onrr.gov>
Cc: John Barder <john.barder@onrr.gov>

PLEASE READ!!!!

New information. Please see the attached email!

If you have individuals working any of these companies, please STOP processing any orders until you hear back.

If you have already issued the order that is okay, do not do anything.

We are working on a solution for our orders. I will keep you posted.

I sincerely apologize for the inconvenience!!!

Thank you!

Judi Clark
Program Manager
Western, Audit & Compliance
303-231-3537

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----- Forwarded message -----

From: **Boroos, Jason** <jason.boroos@onrr.gov>

Date: Tue, Jul 28, 2015 at 11:03 AM

Subject: 2010 Fort Berthold Additional Royalties Due

To: Judith Clark <judith.clark@onrr.gov>, John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Cc: Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Hi all,



Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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Boroos, Jason <jason.boroos@onrr.gov>

Re: 2010 Fort Berthold Additional Royalties Due

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Fri, Jul 31, 2015 at 7:35 AM

To: Judith Clark <judith.clark@onrr.gov>

Cc: John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>, Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Yes, the prices were unaffected, just the additional royalties for those 20 companies.

Once again I'm sorry for the extra work this is causing and that we didn't catch this.

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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On Fri, Jul 31, 2015 at 5:46 AM, Judith Clark <judith.clark@onrr.gov> wrote:

Morning, Just to confirm, the prices were unaffected correct? Thanks!

Sent from my T-Mobile 4G LTE Device

----- Original message -----

From: "Boroos, Jason" <jason.boroos@onrr.gov>

Date: 07/28/2015 11:04 AM (GMT-07:00)

To: Judith Clark <judith.clark@onrr.gov>, John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Cc: Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>, Karl Wunderlich <karl.wunderlich@onrr.gov>

Subject: 2010 Fort Berthold Additional Royalties Due

Hi all,

(b) (5)

(b) (5)

Jason

Jason Boroos

Market Analyst
Office of Natural Resource Revenue
Economic & Market Analysis Office
Phone: (303) 231-3048
Email: Jason.Boroos@onrr.gov

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**Boroos, Jason** <jason.boroos@onrr.gov>

Fort Berthold Additional Royalties

1 message

Boroos, Jason <jason.boroos@onrr.gov>

Tue, Jun 2, 2015 at 4:44 PM

To: Judith Clark <judith.clark@onrr.gov>, John Barder <john.barder@onrr.gov>, Ronald House <ronald.house@onrr.gov>

Cc: Robert Sudar <Robert.Sudar@onrr.gov>, Michael DeBerard <michael.deberard@onrr.gov>

Hello all,

We've completed the analysis of the Additional Royalties due for Fort Berthold after incorporating all sales type codes and adjustments through 6/2/2015.

As you'll see in the attachment there are some significant differences for EOG and QEP in their additional royalties due. This is because EOG has nearly 8 million barrels and QEP has nearly 5 million barrels of other sales type code volume.

Robert Sudar has also peer reviewed this data.

Please let me know if you would like to get together to discuss further.

Thanks,

Jason

Jason Boroos

Market Analyst

Office of Natural Resource Revenue

Economic & Market Analysis Office

Phone: (303) 231-3048

Email: Jason.Boroos@onrr.gov

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**FtBerthold_Oil_2014_Additional_Royalties_all.xlsx**

21106K