

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD  
 Check One Only for [B] or [C]  
 [B] **Commingling** - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM  
 [C] **Injection** - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR  
 [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply  
 [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset Operators, Leaseholders or Surface Owner  
 [C]  Application is One Which Requires Published Legal Notice  
 [D]  Notification and/or Concurrent Approval by **BLM** or **SLO**  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F]  Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Tracie J Cherry \_\_\_\_\_ Regulatory Analyst \_\_\_\_\_ Date 09/29/17  
 Print or Type Name Signature Title  
 tracie\_cherry@xtoenergy.com  
 e-mail Address

- PLC 487  
 - BOPCU, LP  
 260737  
 UEN  
 - POKER LAKE Unit  
 CUX JV PLK IH  
 30-015-36635  
 Pool  
 = Wildcat 5 253478  
 2017 SEP 22 A 11: 29  
 RECEIVED OCD  
 Bonespring (GAS)  
 47748  
 - CORREL  
 Draw  
 Bonespring  
 SOUTH  
 13354  
 - Purple  
 Sage, Wolfcamp  
 4822

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: BOPCO, LP  
OPERATOR ADDRESS: 6401 Holiday Hill Rd, Bldg 5 Suite 200, Midland, TX 79707  
APPLICATION TYPE:

Pool Commingling  Lease Commingling  Pool and Lease Commingling  Off-Lease Storage and Measurement (Only if not Surface Commingled)  
LEASE TYPE:  Fee  State  Federal

Is this an Amendment to existing Order?  Yes  No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
 Yes  No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production	Calculated Value of Commingled Production	Volumes
See Attached				

(2) Are any wells producing at top allowables?  Yes  No  
(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No.  
(4) Measurement type:  Metering  Other (Specify) \_\_\_\_\_  
(5) Will commingling decrease the value of production?  Yes  No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Pool Name and Code.  
(2) Is all production from same source of supply?  Yes  No  
(3) Has all interest owners been notified by certified mail of the proposed commingling?  Yes  No  
(4) Measurement type:  Metering  Other (Specify) Tank gauging, subtraction (see attached for measurement and allocation)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Complete Sections A and E.

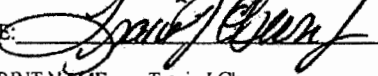
**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

(1) Is all production from same source of supply?  Yes  No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:  TITLE: Regulatory Analyst DATE: 09/20/17  
TYPE OR PRINT NAME Tracie J Cherry TELEPHONE NO.: 432/683-2277

E-MAIL ADDRESS: tracie\_cherry@xtoenergy.com

**Proposal for Pierce Canyon 17 Federal Battery**

BOPCO, LP is requesting approval for Surface/Pool Commingle and Off-Lease measurement, sales and storage for the following wells:

Well Name (Property Code)	API	Loc ¼, ¼, Sec. Twp, Rng	Pool (NMOCD Pool Code)	BOPD	Grav	MCFPD	BTU
<b>Federal Lease: PA NMNM71016I to be expanded NMLC064894A (320 ac) &amp; State (160 ac) Fed Royalty Rate: 12.5%</b>							
Poker Lake Unit CVX JV PC 001H (313369)	30-015- 36635	SESE Sec 17 25S-30E	WC S253017P; Bone Spring (Gas), (97748)	27	48	196	1046
Poker Lake Unit CVX JV RR 010H (313372)*	30-015- 42158	SESE Sec 17 25S-30E	Corral Canyon; Bone Spring, S (13354)	137	49.2	556	995.2

\*Well has been deemed commercial. Paperwork to expand PA NMNM71016I to include well #10H has been submitted

<b>Federal Lease: CA to be assigned NMLC064894A (160 ac) &amp; State (80 ac) Fed Royalty Rate: 12.5%</b>							
Poker Lake CVX JV PC 021H (313369)	30-015- 42390	SESE Sec 17 25S-30E	Corral Canyon; Bone Spring, S (13354)	55	52.7	115	1270.9

<b>Federal Lease: NMLC063875A (162.98 ac) Fed Royalty Rate: 12.5%</b>							
Poker Lake CVX JV RR 006H (313372)	30-015- 40580	NWNW Sec 21 25S-30E	Corral Canyon; Bone Spring, S (13354)	13	48	148	1208.6

<b>Federal Lease: NMNM71016X NMLC 064894 (640 ac) Fed Royalty Rate: 12.5%</b>							
Poker Lake Unit #464H	30-015- 43623	SESE Sec 17 25S-30E	Purple Sage; Wolfcamp (98220)	700*	54*	7000*	1155*

\*Well to be drilled. Information based on offset well production from Wolfcamp pool. Actual rates/values will be submitted upon completion.

Signed:

  
Tracie J. Cherry

Title: Regulatory Analyst

Date:

09/20/17

5001  
5/17

Proposal for Pierce Canyon 17 Federal Battery

List of all wells included in this request identified by lease and/or agreement number and Federal Royalty Rate is attached. Table includes location (SHL and BHL), NMOCD pool name and code, daily oil and gas production, oil gravity and gas BTU.

Proposal for Oil & Gas Measurement and Allocation of Production:

The PLU Pierce Canyon 17 Fed Battery has four (4), 500 bbl oil tanks and two (2) fiberglass produced water tanks on the location. A total of five (5) wells will utilize this location as a common tank battery. Gas from the wells also flows to this battery, and then then to either a (metered) flare or through a gas "check meter" then to a common, Energy Transfer Company (ETC) gas sales meter (#57347) located across the lease road from the battery SWSW, Section 16. The PLU Pierce Canyon 17 Fed Battery sits on the well location for Poker Lake Unit CVX JV PC #1H, SESE Sec 17 25S-30E

Oil production from five (5) wells will flow from their respective locations to a header located on the East side of the facility. This header is configured to allow well #21H to be isolated and routed to dedicated metering separator. A fifth well, Poker Lake Unit #464H, will not flow through the header and will be routed directly through a dedicated metering separator. Oil production is allocated daily to the two isolated wells based on the readings of the NuFlow turbine test meter located off that well's metering separator. The remaining three wells' (#1H, #6H & #10H) production is routed from the header so that one well is in production phase and one well is in test phase at all times. Production is allocated to each of these three wells based on the monthly well test. All oil is sold through a LACT meter (#Z3949) into the pipeline. The LACT meter is proven quarterly. The LACT meter will be the designated FMP for oil at the facility.

Gas production is allocated in the same manner. After separation, the gas flow from wells #21H & 464H is routed to an individual Electronic Flow Meter (EFM); gas volume is allocated to each well based on the factor derived from using readings from each wells allocation meter and ETC sales meter (#57347). Gas production from wells #1H, #6H and #10H is allocated based on monthly well test using an allocation factor obtained from the EFM test meter (#PC 17-1) and ETC sales meter (#57347). All EFM gas meters are installed and calibrated per 43 CFR 3174 requirement. The ETC gas meter is calibrated per CFR 3174 requirements. The ETC gas meter will be the designated FMP for gas at the facility.

Process and Flow Descriptions and Allocation Method:

The flow of production is shown in detail on enclosed facility diagram. A map is included with this application outlining lease boundaries, location of wells, facility, and gas sales meter. All wells are located inside the Poker Lake Unit boundaries.

The shared tank battery is located on the North side of the well pad for the Poker Lake CVX JV PC #1H located in the ~~SESE~~ Sec. 17, 25S-30E on Federal lease NMLC064894A. The production from all wells enters from the East side of the facility. This battery will contain two wells that will require dedicated metering separators.

Wells requiring dedicated metering separators are the Poker Lake Unit CVX JV PC COM #21H (containing State of New Mexico acreage) and the Poker Lake Unit #464H (a proposed well to be drilled to the Wolfcamp formation). With the exception of an additional two-phase, high pressure separator for well #21H, the flow process is the same. The wells combined production stream travels to the separation equipment where oil flows through a NuFlo turbine allocation meter and is then routed to a main oil line where it is combined with the other wells' production, then to one of four (4) steel oil tanks on the North side of the facility. If conditions warrant, each well's production can be routed through a heater treater before traveling to the storage tanks. The small amount of gas recovered from the heater treater is routed to the metered flare. Oil production is allocated daily to each well using the allocation factor obtained from the NuFlow turbine allocation meter and the LACT meter (#Z3949) readings.

Gas from these wells is discharged off the test vessels into a common gas line where it is either routed to a metered flare (#PLC17) or through the check meter (#30015386633) and then to the ETC sales meter

(#57347). There is an additional EFM located off the high pressure two-phase separator for well #21H. The volumes recorded on these meters is combined to determine the gas allocation factor for well #21H (both meters #TBA). Gas is allocated daily to each well using the allocation factor obtained from the volume recorded on the well's EFM(s) (TBA and #1462682934) and the ETC sales meter.

The remaining wells will be routed from the header to either a "test" side or a "main" side. The combined production stream from the well which is on test, flows to a two-phase test separator, where gas is discharged into a gas line and the water/oil stream goes to a free water knock out. Gas on the test side flows from the test knock out and combines with gas from the two-Phase separator and is routed through an Electronic Flow Meter (EFM) gas test meter (#PC17-1 Test). At this point, the gas travels into a common gas line, combines with the gas off the production side (including the heater treater if applicable) and then flows to either the EFM metered flare stack (#PLC17) on the North side of the location or on through the EFM check meter (#300153663) and ETC sales meter (#57347). Custody transfer occurs and royalty payment is made at the ETC sales meter.

After the two-phase test separator, the test well's oil/water stream travels to the test free water knockout. Oil is metered off the knock out using a NuFlow turbine test meter. The oil then flows into a common production line where it flows to one of four (4) steel oil tanks. If conditions warrant, the oil can be routed to the heater treater and then into one of the four (4) steel oil tanks. The small amount of gas recovered at the heater treater is routed to the metered flare line. Oil from the tanks is sold through a LACT meter (#Z3918) directly into the BOPCO PLU pipeline. Each well is put into test for 24 hours at least once a month.

The oil allocation factors for wells #1H, #6H and #10H are determined using the amount recorded on a NuFlo turbine meter located off the main free water knock out. The amount is allocated monthly to the three (3) wells based on their 24 hr. well test.

The wells which are not in test are routed to the production side of the facility. The produced fluid stream enters a Two-Phase "main" separator where gas is discharged into the gas line and the oil/water stream flows to the main production free water knockout. From the knockout, oil travels through a NuFlo turbine meter the is discharged into the common oil line and routed to storage tanks. If conditions are warranted, this production stream can be routed through a heater treater and finally to the oil storage tanks. The small amount of gas recovered at the heater treater is routed to the metered flare line

The facility is equipped with metered Vapor Recovery Units (#134952508) to capture emissions. Gas is routed either back into the sales line or through the fuel use meter (PLC17 Fuel Gas) to run the compression equipment. Gas recorded on either meter is allocated to each well based on that wells allocated oil production. The tanks are also equipped with low pressure valves that can release vapors to a low pressure line routed to the flare in case of a VRU failure.

At this facility, Poker Lake Unit CVX JV RR 10H utilizes gas lift technology. All five wells contribute gas to be used in the gas lift compressor located on the wellpad directly west of the facility. The gas lift compressor is electric so no fuel use requires allocation.

Onsite sales compression is required for the five wells. Gas in the common gas line is diverted through a fuel use meter (#PLC17 Fuel Gas) prior to the gas sales meter (#57347) to run this sales compressor. Compressor fuel use is allocation back to each of the five (5) wells using the fuel gas meter reading and the same gas allocation meter used for sales.

#### Summary:

The commingling of production is in the interest of conservation and minimizing waste and will result in the most effective and economic means to maximize the ultimate economic recovery of the reserves in place from the affected wells. The proposed commingling and allocation will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce the surface facility footprint and overall emissions.

BOPCO, L.P. understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail (see attached).

The BLM and NMOCD will be notified of any future changes in the facilities.

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\*Well to be drilled. Information based on offset well production from Wolfcamp pool. Actual rates/values will be submitted upon completion.

Signed:

  
Tracie J Cherry

Title: Regulatory Analyst

Date:

09/20/17

Well Name	BOPD	Oil Gravity @60 deg.	BOPD X gravity	Value /BBL	MCFPD	Dry BTU	MCFPD X BTU	Value/mcf
PLU CVX JV PC 1H	27	48	1296		196	1046	205016	
PLU CVX JV PC 21H	55	52.7	2898.5		115	1270.9	146153.5	
PLU CVX JV RR 6H	13	48	624		148	1208.6	178872.8	
PLU CVX JV RR 10H	137	49.2	6740.4		556	995.2	553331.2	
PLU 464H	700	54	37800		7000	1155	8085000	
			0		0	0	0	
<b>Composite</b>	<b>932</b>	<b>52.9601931</b>	<b>49358.9</b>		<b>8015</b>	<b>1143.9</b>	<b>9168374</b>	

Crude oil for Poker Lake is sold based on the aggregate API of 45 degrees at the CDP. Oil that is low sulphur content with a API gravity less than 45 is sold as sweet with no deduction.

Price for MMBTU is the combined BTU value at the sales meter. There are no deductions based on quality or sulfur content. Given the similarity of btu contents, there should be no significant price difference or sensitivity to allocation factors.

Signed:   
Tracie J. Cherry

Title: Regulatory Analyst

Date: 11/13/17



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
817 S. First St., Artesia, NM 88210  
Phone: (505) 748-1283 Fax: (505) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1,  
2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*effective 01/19/16*

<sup>1</sup> API Number 30-015-42390	<sup>2</sup> Pool Code 13354	<sup>3</sup> Pool Name Coral Canyon; Bone Spring, S.
<sup>5</sup> Property Code <b>316324</b>	<sup>6</sup> Property Name Poker Lake CVX JV PC COM	
<sup>7</sup> OGRID No. 260737	<sup>4</sup> Operator Name BOPCO, LP	<sup>8</sup> Well Number 021H <sup>9</sup> Elevation 3233

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	25S	30E		330	South	675	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	08	25S	30E		2315	South	671	East	Eddy

<sup>12</sup> Dedicated Acres 240	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b><sup>16</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Tracie J Cherny</i> Signature Date <i>01/19/16</i></p> <p>Tracie J Cherny Printed Name</p> <p>trcherny@bssnet.com E-mail Address</p>
	<p><b><sup>17</sup> SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

**DISTRICT I**  
1000 N. French St., Hobbs, NM 88240  
Phone (505) 535-4100 Fax (505) 535-4700

**DISTRICT II**  
511 E. First St., Artesia, NM 88210  
Phone (505) 746-1225 Fax (505) 746-0720

**DISTRICT III**  
1600 The Graded Rd., Aztec, NM 87450  
Phone (505) 325-0170 Fax (505) 325-0170

**DISTRICT IV**  
1600 E. Mc. Donnell Dr., Santa Fe, NM 87505  
Phone (505) 474-3000 Fax (505) 474-3000

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy in appropriate  
District Office

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT  
As Drilled with  
Pool correction

API Number <b>30-015-42158</b>	Pool Code <b>13354</b>	Pool Name <b>Corral Canyon; Bone Spring, S</b>
Property Code <b>313872</b>	Property Name <b>Poker Lake Unit CVX JV RR</b>	Well Number <b>010H</b>
Order No. <b>260737</b>	Operator Name <b>BOPCO, L.P.</b>	Elevation <b>3232'</b>

Surface Location

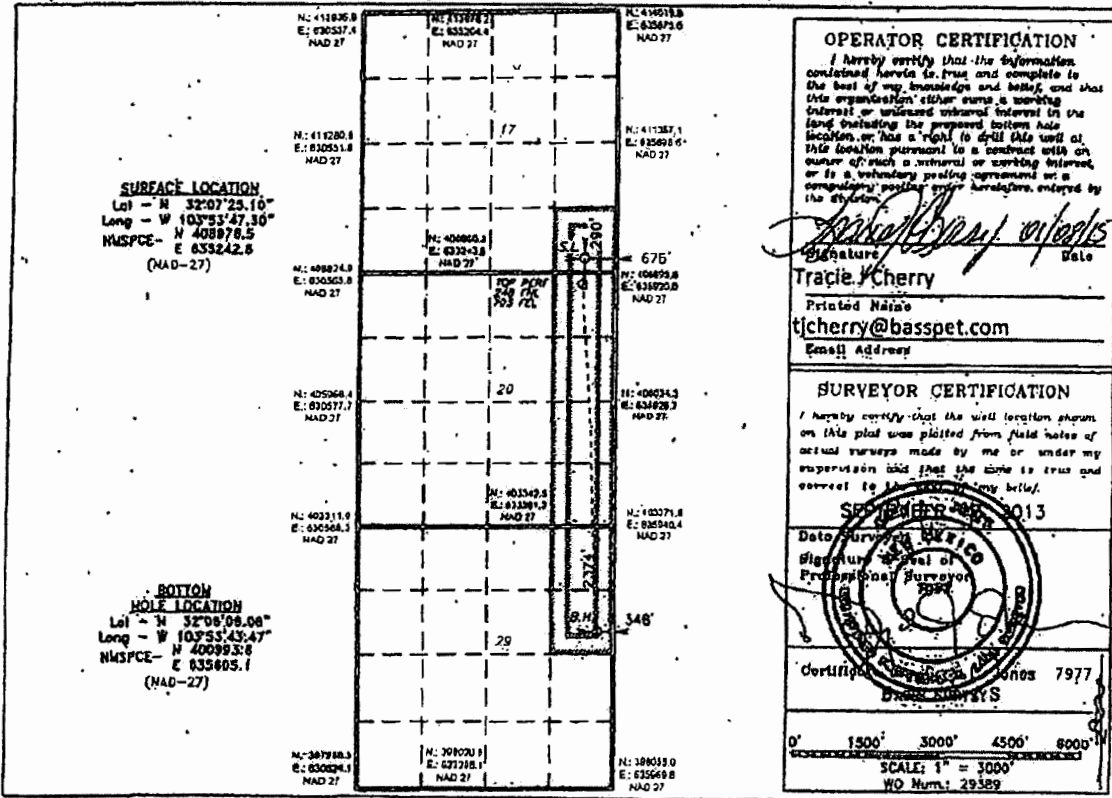
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	25 S	30 E		290	SOUTH	675	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	25 S	30 E		2374	NORTH	348	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
280			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

RECEIVED OOD

2014 JUN -9 P 3: 50

AMENDED REPORT

*Effective 06/01/14*

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-36635		<sup>2</sup> Pool Code 97748		<sup>3</sup> Pool Name WC S253017P; Bone Spring (Gas)	
<sup>4</sup> Property Code 313369		<sup>5</sup> Property Name Poker Lake Unit CVX JV PC			<sup>6</sup> Well Number 1H
<sup>7</sup> OGRID No. 260737		<sup>8</sup> Operator Name BOPCO, LP			<sup>9</sup> Elevation 3233

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	25S	30E		350	South	350	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	25S	30E		368	North	401	East	Eddy

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL - 6080
--------------------------------------	-------------------------------	----------------------------------	---------------------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><sup>16</sup></p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Tracie J Cherry</i> Signature Date</p> <p>Tracie J Cherry Printed Name</p> <p>ticherry@bassnet.com E-mail Address</p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

District I  
1625 N. French Dr., Hobbs, NM 88340  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1,  
2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT  
*Effective 03/01/16*

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-40580	<sup>2</sup> Pool Code 13354	<sup>3</sup> Pool Name Corral Canyon; Bone Spring, South
<sup>4</sup> Property Code <i>316168</i>	<sup>5</sup> Property Name Poker Lake CVX IV RR	
<sup>7</sup> OGRID No. 260737	<sup>8</sup> Operator Name BOPCO, LP	<sup>6</sup> Well Number 006H  <sup>9</sup> Elevation 3241

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	25S	30E		125	North	400	West	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	25S	30E		101	South	389	West	Eddy

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Accepted for record  
NMOC

**<sup>16</sup> OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*Travis J. Cherry*      *03/02/16*  
Signature                      Date

Travis J. Cherry  
Printed Name

tscherry@bssnet.com  
E-mail Address

---

**<sup>17</sup> SURVEYOR CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Date of Survey: \_\_\_\_\_  
 Signature and Seal of Professional Surveyor: \_\_\_\_\_  
  
 Certificate Number: \_\_\_\_\_

District I  
1025 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-43623		<sup>2</sup> Pool Code 98220		<sup>3</sup> Pool Name Purple Sage; Wolfcamp					
<sup>4</sup> Property Code		<sup>5</sup> Property Name POKER LAKE UNIT			<sup>6</sup> Well Number 464H				
<sup>7</sup> OGRID No. 260737		<sup>8</sup> Operator Name BOPCO, LP			<sup>9</sup> Elevation 3239'				
<sup>10</sup> Surface Location									
UL or lot no. P	Section 17	Township 25 S	Range 30 E	Lot Idn	Feet from the 550	North/South line SOUTH	Feet from the 715	East/West line EAST	County EDDY
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 29	Township 25 S	Range 30 E	Lot Idn	Feet from the 200	North/South line SOUTH	Feet from the 2310	East/West line WEST	County EDDY
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. R-14262			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<b>SURFACE LOCATION</b> NAD 27 NME Y= 409,234.6 X= 635,198.8 LAT.= 32.124349°N LONG.= 103.896612°W		<b>LAST TAKE POINT</b> NAD 27 NME Y= 398,351.8 X= 632,928.1 LAT.= 32.094458°N LONG.= 103.904087°W		<b><sup>17</sup> OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature 9/7/17 Date Kelly Kardos Printed Name kelly.kardos@xtoenergy.com E-mail Address
	<b>FIRST TAKE POINT</b> NAD 27 NME Y= 408,323.8 X= 632,875.9 LAT.= 32.121871°N LONG.= 103.904127°W		<b>BOTTOM HOLE LOCATION</b> NAD 27 NME Y= 398,221.8 X= 632,928.9 LAT.= 32.094100°N LONG.= 103.904086°W		
	<b>SURFACE LOCATION</b> NAD 83 NME Y= 409,292.8 X= 676,383.6 LAT.= 32.124473°N LONG.= 103.897095°W		<b>LAST TAKE POINT</b> NAD 83 NME Y= 398,409.8 X= 674,113.2 LAT.= 32.094582°N LONG.= 103.904569°W		
	<b>FIRST TAKE POINT</b> NAD 83 NME Y= 408,382.0 X= 674,060.7 LAT.= 32.121995°N LONG.= 103.904611°W		<b>BOTTOM HOLE LOCATION</b> NAD 83 NME Y= 398,279.8 X= 674,114.0 LAT.= 32.094225°N LONG.= 103.904568°W		
	<b>CORNER COORDINATES TABLE</b> NAD 27 NME		<b>CORNER COORDINATES TABLE</b> NAD 83 NME		
	A - Y= 408,641.0 N, X= 631,903.3 E	B - Y= 408,658.7 N, X= 633,242.1 E	A - Y= 408,699.2 N, X= 673,088.1 E	B - Y= 408,716.9 N, X= 674,426.9 E	
C - Y= 405,983.3 N, X= 631,913.2 E	D - Y= 405,989.7 N, X= 633,250.8 E	C - Y= 408,041.4 N, X= 673,098.1 E	D - Y= 408,057.8 N, X= 674,435.7 E		
E - Y= 403,325.1 N, X= 631,923.1 E	F - Y= 403,340.8 N, X= 633,259.4 E	E - Y= 403,383.2 N, X= 673,108.1 E	F - Y= 403,398.9 N, X= 674,444.4 E		
G - Y= 400,669.1 N, X= 631,940.6 E	H - Y= 400,683.8 N, X= 633,276.4 E	G - Y= 400,727.1 N, X= 673,125.6 E	H - Y= 400,741.8 N, X= 674,461.5 E		
I - Y= 398,011.2 N, X= 631,958.0 E	J - Y= 398,025.4 N, X= 633,293.5 E	I - Y= 398,069.2 N, X= 673,143.1 E	J - Y= 398,083.4 N, X= 674,478.7 E		

**<sup>18</sup> SURVEYOR CERTIFICATION**  
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

06-06-2017  
 Date of Survey

Signature and Seal of Professional Surveyor:  
  
 MARK DILLON HARP 23786  
 Certificate Number

RR 2017050745

CERTIFIED MAILING LIST  
BOPCO, LP  
PIERCE CANYON 17 FED BATTERY

**Certified #7016 2070 0000 9005 6997**

CHEVRON USA INC  
PO BOX 730436  
DALLAS, TX 75373

**Certified #7016 2070 0000 9005 7017**

DEVON ENERGY PRODUCTION CO LP  
PO BOX 843559  
DALLAS, TX 75284

**Certified #7016 2070 0000 9005 7055**

LINDA L YOUNG  
203 E ECHO LN  
PHOENIX, AZ 85020

**Certified #7016 2070 0000 9005 7086**

ROLAND M MCLEAN  
68 BALD EAGLE WAY  
CARBONDALE, CO 81623

**Certified #7016 2070 0000 9005 7116**

BMT O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 1970 0000 4404 3459**

LRBI O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 1970 0000 4404 3428**

SAMANTHA BASS FAM TR  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 2070 0000 9005 7000**

COMPOUND PROPERTIES LLC  
PO BOX 2990  
RUIDOSO, NM 88355

**Certified #7016 2070 0000 9005 7031**

EMG REV TR DATED  
EILEEN M GROOMS TTEE  
1000 W 4TH ST  
ROSWELL, NM 88201

**Certified #7016 2070 0000 9005 7062**

MARK MCCLELLAN &  
PAULA MCCLELLAN H/W  
PO BOX 730  
ROSWELL, NM 88202

**Certified #7016 2070 0000 9005 7093**

SALLY M KOVAC  
PO BOX 165  
EAGLE NEST, NM 87718

**Certified #7016 2070 0000 9005 7123**

CTV O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 1970 0000 4404 3442**

SRBI O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 1970 0000 4404 3473**

HYATT BASS FAM TR  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 2070 0000 9005 7024**

CONOCOPHILLIPS COMPANY  
REAL PROPERTY ADMINISTRATION  
PO BOX 7500  
BARTLESVILLE, OK 74005

**Certified #7016 2070 0000 9005 7048**

HANSON MCBRIDE PETROLEUM CO  
PO BOX 1515  
ROSWELL, NM 88202

**Certified #7016 2070 0000 9005 7079**

PAUL SLAYTON  
PO BOX 2035  
ROSWELL, NM 88202

**Certified #7016 2070 0000 9005 7109**

TOLES-COM LTD  
LIMITED PARTNERSHIP  
PO BOX 1300  
ROSWELL, NM 88202

**Certified #7016 2070 0000 9005 7130**

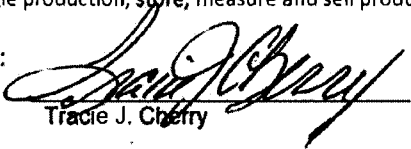
KEYSTONE O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

**Certified #7016 1970 0000 4404 3435**

THRU LINE O&G NM LLC  
201 MAIN ST STE 2700  
FORT WORTH, TX 76102

I, Tracie J Cherry, do hereby certify the interest owners in the wells shown were notified, via certified mail, of BOPCO, LP's application to surface commingle production, store, measure and sell production off lease.

Signed:

  
Tracie J. Cherry

Title: Regulatory Analyst

Date:

11/13/17

Application to Surface Commingle  
 BOPCO, LP  
 Poker Lake Unit 261 Battery  
 Eddy County, NM

Well	Prod. Start	Cumulative			Past 6 Months Production																	
		Oil	Gas	Wtr	March			April			May			June			July			August		
					O	G	W	O	G	W	O	G	W	O	G	W	O	G	W	O	G	W
PC 001H	Jan-09	34,919	528,025	180,785	0	0	0	0	0	0	136	3,643	678	782	9,033	2,847	830	6,105	4,476	488	139	6,320
PC 021H	Dec-14	109,653	283,613	181,766	1,918	6,685	2,384	1,699	5,530	2,376	2,441	7,313	3,093	1,148	3,907	1,370	4,714	3,563	2,709	1,377	95	5,042
RR 006H	Dec-12	25,721	391,820	102,113	69	1,319	336	29	871	117	437	8,468	1,697	296	4,955	974	404	4,577	2,036	325	118	3,663
RR 010H	Dec-14	174,578	488,987	181,766	0	0	0	0	12	0	6,931	16,782	5,877	3,474	15,371	4,629	4,287	17,236	11,060	3,742	134	17,273

Well Name	BOPD	Oil Gravity @60 deg.	BOPD X gravity	Value /BBL	MCFPD	Dry BTU	MCFPD X BTU	Value/mcf
PLU CVX JV PC 1H	27	48	1296		196	1046	205016	
PLU CVX JV PC 21H	55	52.7	2898.5		115	1270.9	146153.5	
PLU CVX JV RR 6H	13	48	624		148	1208.6	178872.8	
PLU CVX JV RR 10H	137	49.2	6740.4		556	995.2	553331.2	
PLU 464H	700	54	37800		7000	1155	8085000	
			0		0	0	0	
<b>Composite</b>	<b>932</b>	<b>52.9601931</b>	<b>49358.9</b>		<b>8015</b>	<b>1143.9</b>	<b>9168374</b>	

Crude oil for Poker Lake is sold based on the aggregate API of 45 degrees at the CDP. Oil that is low sulphur content with a API gravity less than 45 is sold as sweet with no deduction.

Price for MMBTU is the combined BTU value at the sales meter. There are no deductions based on quality or sulfur content. Given the similarity of btu contents, there should be no significant price difference or sensitivity to allocation factors.

Signed:   
Tracie J. Cherry

Title: Regulatory Analyst

Date: 01/13/17





Date: October 4, 2017

To: Tracie Cherry

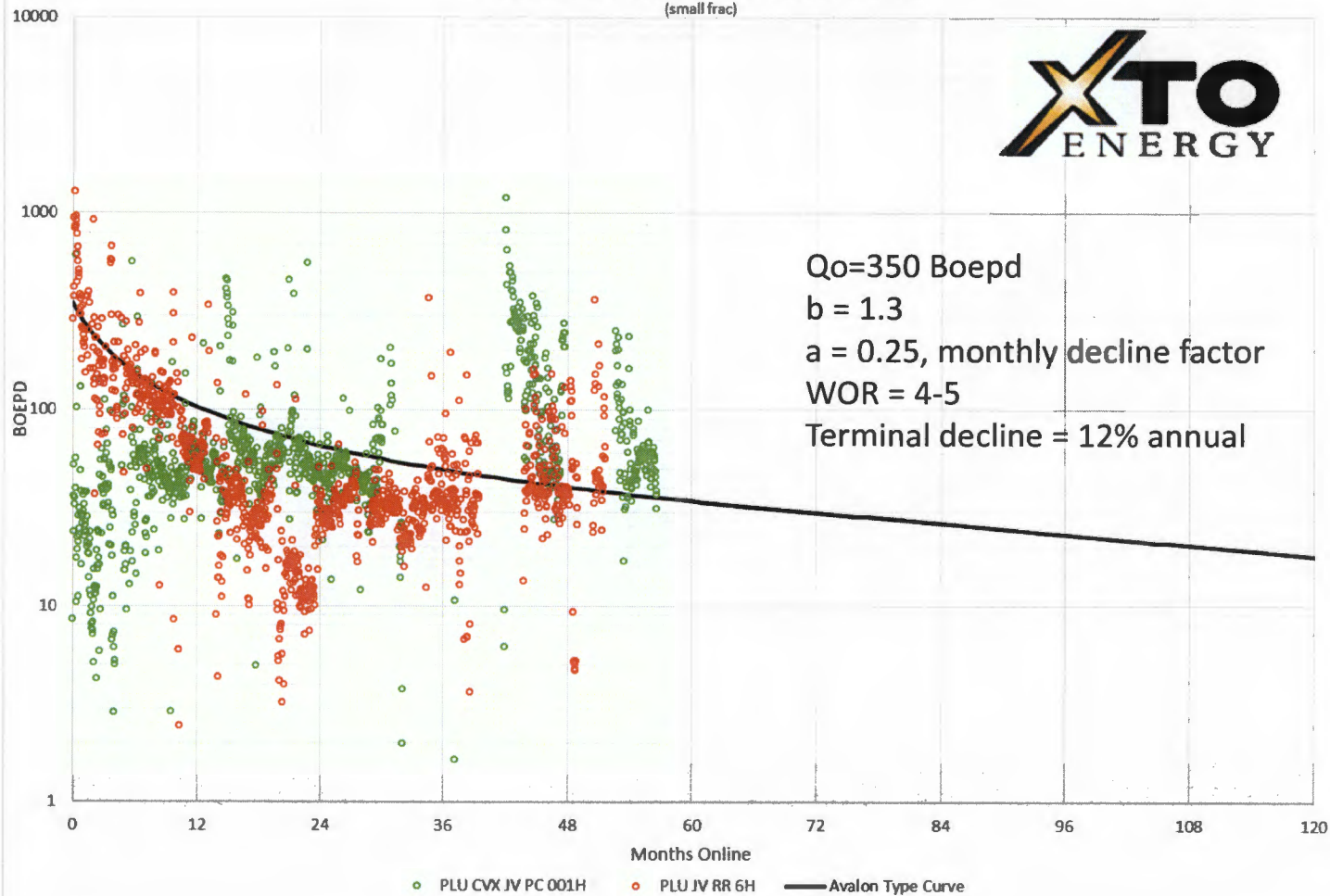
From: Trent Boneau

Re: **Forecasted Declines: PLU Pierce Canyon Fed 17 Battery Wells**  
**25S 30E Sec 17**  
**Eddy County, New Mexico**

Poker Lake Unit CVX JV PC 001H, Poker Lake Unit CVX JV RR 010H and Poker Lake Unit CVX JV RR 006H have all been on production for over a year and have a current monthly decline of less than 5%. This puts them in Range 3 of their decline, as specified in Hearing Order R-14299. Therefore, the recommended testing frequency for commingling per the Well Test Method for these wells will be at least once a month for 24 hrs.

Trent Boneau  
Reservoir Engineering Advisor  
Delaware Basin Subsurface Team

Avalon Shale Type Curve - 5000' Lateral  
(small frac)



## McMillan, Michael, EMNRD

---

**From:** McMillan, Michael, EMNRD  
**Sent:** Wednesday, October 11, 2017 3:23 PM  
**To:** 'Cherry, Tracie'  
**Cc:** Goetze, Phillip, EMNRD; Jones, William V, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** Protested Application: Coriander AOC State SWD Well No. 1 (API 30-025-33531)

RE: Pierce Canyon 17 Federal Battery – Unit P, Section 17, T. 25 S., R. 30 E., NMPM, Eddy County, New Mexico.

Ms. Cherrie

OCD was notified that SRBI O&G LLC is protesting this application for approval of a salt water disposal well into the Devonian formation. SRBI O&G LLC has been identified as an affected person for the proposed surface commingle application. Therefore, you are being notified that if BOPCO, LP wishes for this application to be considered, it must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with this party. The application will be retained by OCD, but suspended from further administrative review. Please contact OCD once you have made a decision regarding the application within the next 30 days. If the protest remains after 30 days, OCD will initiate the process for the application to be reviewed at hearing. Please contact me with any questions regarding this matter.

### Contact for SRBI O&G LLC

James Bruce  
Attorney  
PO Box 1056  
369 Montezuma, No. 213  
Santa Fe, NM 87504  
Phone: 505.982.2043  
E-mail: [jamesbruc@aol.com](mailto:jamesbruc@aol.com)

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

## McMillan, Michael, EMNRD

---

**From:** Davidson, Florene, EMNRD  
**Sent:** Thursday, October 19, 2017 10:16 AM  
**To:** Jones, William V, EMNRD; Goetze, Phillip, EMNRD; McMillan, Michael, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** FW: XTO commingling application  
**Attachments:** Scan 304.pdf

I'm not sure who gets this, but I bet it's one of you.

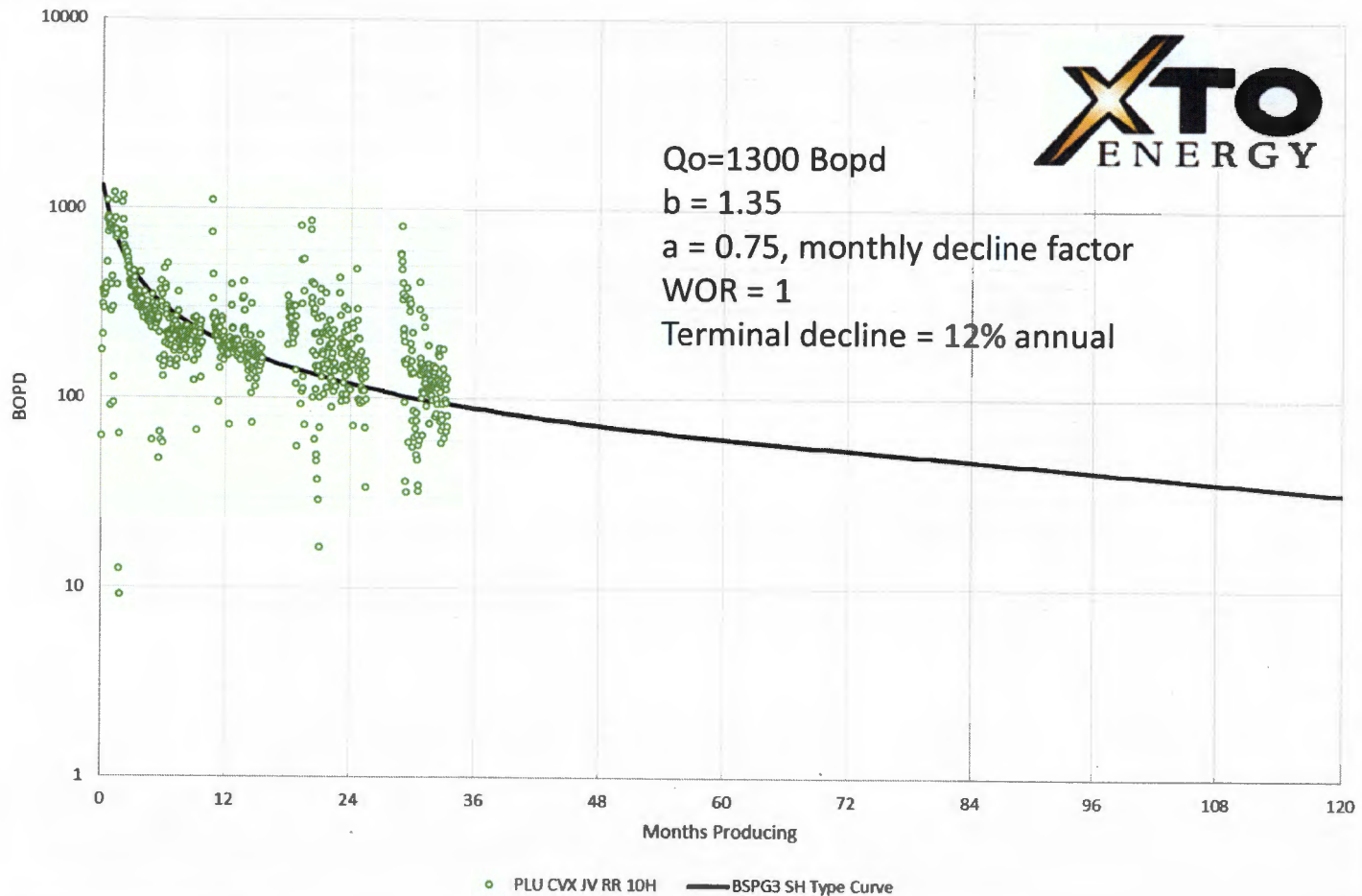
**From:** jamesbruc@aol.com [mailto:jamesbruc@aol.com]  
**Sent:** Thursday, October 19, 2017 10:10 AM  
**To:** Davidson, Florene, EMNRD <florene.davidson@state.nm.us>  
**Cc:** MMontgomery@BassPet.Com  
**Subject:** XTO commingling application

Florene: Attached is an objection letter I filed last week for SRBI. SRBI now withdraws its objection. Please inform the powers that be that the application may proceed through the administrative process.

Thanks.

Jim

3rd Bone Spring Shale Type Curve: 7500' lateral



**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

RECEIVED OGD

2017 OCT 11 P 2:52

October 11, 2017

Via e-mail

Florene Davidson  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

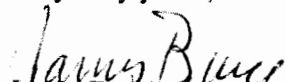
Re: XTO Energy Inc.  
Administrative application for surface commingling, etc.

Poker Lake Unit CVX JV PC Well No. 1H  
Poker Lake Unit CVX JV PC Well No. 21H  
Poker Lake Unit CVX JV RR Well No. 6H  
Poker Lake Unit CVX JV RR Well No. 10H  
Poker Lake Unit Well No. 464H  
Eddy County, New Mexico

Dear Ms. Davidson:

SRBI O&G NM LLC objects to the above application because its correlative rights may be impaired if it is approved.

Very truly yours,

  
James Bruce

Attorney for SRBI O&G NM LLC

cc: XTO Energy Inc.

