

8/17/2014 DATE IN	SUSPENSE	RE ENGINEER	8/13/2014 LOGGED IN	PLC TYPE	PMAM/42258617 APP NO.
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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.

Jennifer Duarte
Print or Type Name

[Signature]
Signature

Regulatory Specialist 8/12/14
Title Date

jennifer.duarte@oxy.com
Email Address

- PLC
- oxy USA, Inc
16696
wells
- Harrow 10-1
30-015-30375
"Attachments A"
RECEIVED
2014 AUG 13 P 2:05
POOLS
- Cedar Canyon
11540
- PIERCE CROSSING
BONE SPRING
96473
- CORRAL DRAW, BONE
SPRING
96238

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: OXY USA Inc (16696)

OPERATOR ADDRESS: 5 Greenway Plaza, Ste. 110; Houston, TX 77046

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. PC-1261
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
Please see attached spreadsheet					

- (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)

(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 SPECIALIST DATE: 08/12/2014

TYPE OR PRINT NAME: JENNIFER DUARTE TELEPHONE NO.: (713) 513-6640 / (832) 740-3716

E-MAIL ADDRESS: jennifer_duarte@oxy.com

**APPLICATION FOR CENTRAL TANK BATTERY, LEASE COMMINGLE,
OFF LEASE MEASUREMENT, SALES & STORAGE**

Commingling proposal for Limousine leases:

Proposal for Harroun 10-1, Harroun 10-2, Harroun 10-3, Harroun 15-7, Harroun 15-8, Harroun 15-14, Harroun 15-15, Harroun 15-16, Harroun 15-17, Cedar Canyon 15-2, Cedar Canyon 22-2, Cedar Canyon 17-1, Cedar Canyon 15-3.

OXY USA INC is requesting approval for Central Tank Battery, Lease Commingle, Off Lease Measurement, Sales, & Storage from the following wells:

Well Name	API	Location	API Gravities	Oil	Gas	Water
✓ Harroun 10-1	30-015-30375	Sec.10, T24S R29E	40	11	7	44
✓ Harroun 10-2	30-015-31709	Sec.10, T24S R29E	40	2	4	13
✓ Harroun 10-3	30-015-32617	Sec.10, T24S R29E	40	8	8	35
✓ Harroun 15-7	30-015-29987	Sec.15, T24S R29E	40	5	12	35
✓ Harroun 15-8	30-015-30253	Sec.15, T24S R29E	40	3	4	38
✓ Harroun 15-14	30-015-32620	Sec.15, T24S R29E	40	4	4	16
✓ Harroun 15-15	30-015-33317	Sec.15, T24S R29E	41	6	191	16.53
✓ Harroun 15-16	30-015-33823	Sec.15, T24S R29E	41	13	101	32
✓ Harroun 15-17	30-015-33822	Sec.15, T24S R29E	41	10	58	55
✓ Cedar Canyon 15-2	30-015-41032	Sec.15, T24S R29E	41	100	239	235
✓ Cedar Canyon 22-2	30-015-41327	Sec.22, T24S R29E	41	128	327	155
Cedar Canyon 17-1	30-015-42058	Sec.17, T24S R29E	42	414	621	455
Cedar Canyon 15-3	30-015-41594	Sec.15, T24S R29E	42	414	621	455

A map is enclosed showing the state leases and well locations in Sections 10/15/17/22, T20S, R25E.

Oil & Gas metering:

Harroun 15-15 central tank battery is located in Unit E of Section 15, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico.

Oil, gas and water volumes from each well routed to Harroun 15-15 central tank battery will be determined by using a test separator and dedicated test oil, water and gas meters located at the lease. Care will be taken that one well is always producing through the testing equipment. Production will be allocated on a daily basis based on the most recent individual well test of oil, gas and water. Well tests for each well will be conducted at least once per month for a minimum of 24 hours each well.

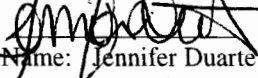
The oil production from the Harroun and Cedar Canyon wells listed in the list above will be commingled, measured and sold on lease using a LACT Unit. Production will be allocated by well test method. Produced water will be measured through a turbine meter and disposed at the Harroun 15 #3 SWD and/or trucked if necessary from the lease. The gas will be sold after it is measured by Oxy check meter located at the lease. The oil and gas meters will be calibrated on a regular basis per API and NMOCD specifications. The NMOCD will be notified of any future changes in the facility

Process and Flow Descriptions:

Please see attached block flow diagram for the Harroun 15-15 CTB. The flow route of produced fluids is shown in detail along with size of each vessel.

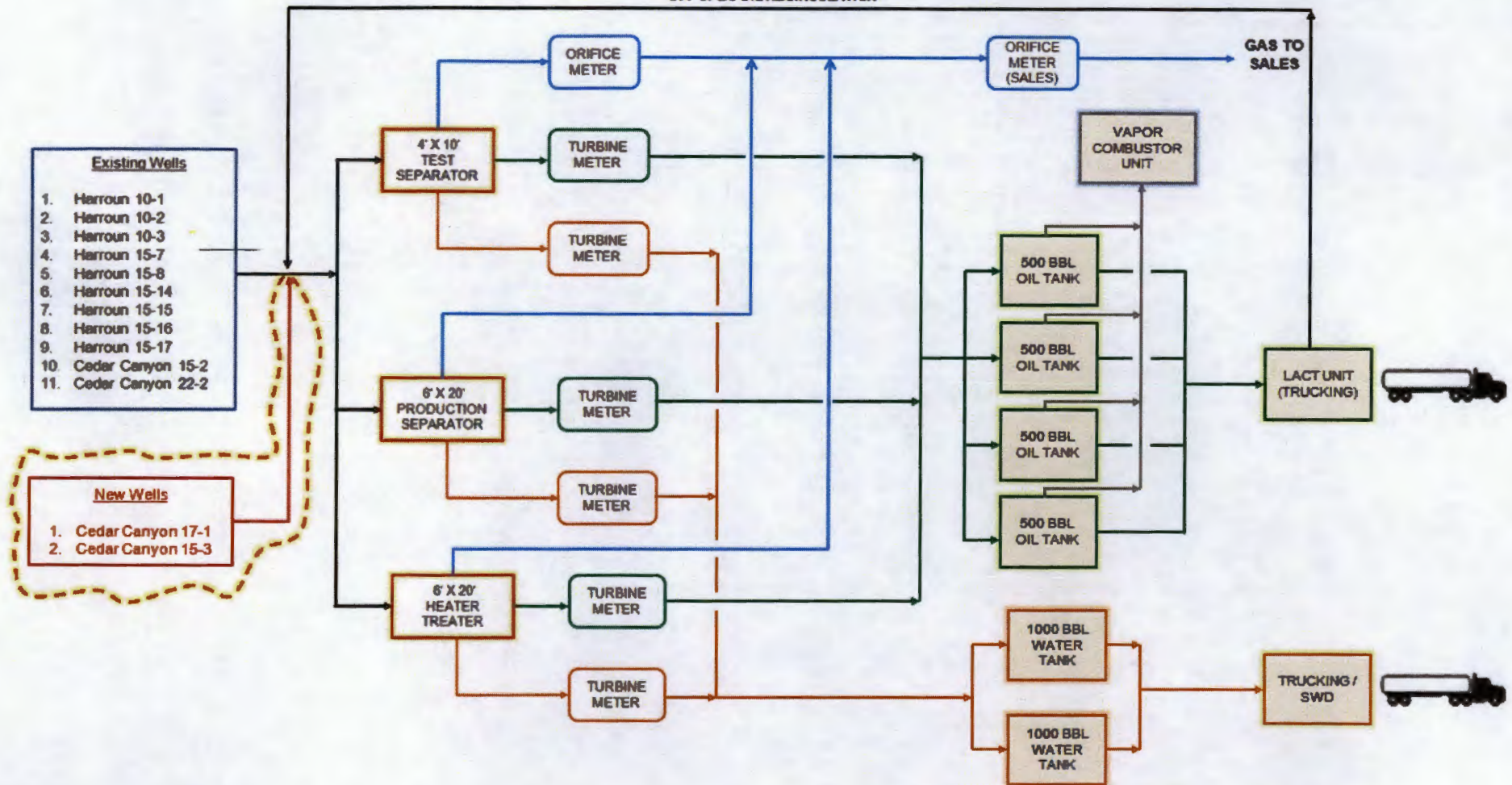
The commingling of production is in the interest of conservation and waste and will result in the most effective economic means of producing the reserves in place from the affected wells and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses as well as reduce the surface facility footprint and overall emissions.

OXY USA INC understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. These applications will be submitted separately for approval per NMOCD regulations.

Signed: 
Printed Name: Jennifer Duarte
Title: Regulatory Specialist
Date: 08/12/2014

Pool	Lease Number	Well Name	API Gravities of Non-Commingled Production	Volumes	Calculated API Gravity of Commingled Production	Calculated Value of Commingled Production	Oil	Gas	Water	API	Location	Operator
Cedar Canyon Delaware (11540)	6-3024823	Harroun 10-1	40	OIL= 290 BPD GAS = 955 MSCFD WATER = 675 BPD	41.7 API GRAVITY	OIL = 1,118 BPD GAS = 2,197 MSCFD WATER = 1,585 BPD	11	7	44	30-015-30375	Sec.10, T24S R29E	OXY USA INC
Cedar Canyon Delaware (11540)	6-3024823	Harroun 10-2	40				2	4	13	30-015-31709	Sec.10, T24S R29E	OXY USA INC
Cedar Canyon Delaware (11540)	6-3024823	Harroun 10-3	40				8	8	35	30-015-32617	Sec.10, T24S R29E	OXY USA INC
Cedar Canyon Delaware (11540)	6-3024823	Harroun 15-7	40				5	12	35	30-015-29987	Sec.15, T24S R29E	OXY USA INC
Cedar Canyon Delaware (11540)	6-3024824	Harroun 15-8	40				3	4	38	30-015-30253	Sec.15, T24S R29E	OXY USA INC
Cedar Canyon Delaware (11540)	6-3024823	Harroun 15-14	40				4	4	16	30-015-32620	Sec.15, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Harroun 15-15	41				6	191	16.53	30-015-33317	Sec.15, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Harroun 15-16	41				13	101	32	30-015-33823	Sec.15, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Harroun 15-17	41				10	58	55	30-015-33822	Sec.15, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Cedar Canyon 15-2	41				100	239	235	30-015-41032	Sec.15, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Cedar Canyon 22-2	41	OIL = 828 BPD GAS = 1,242 MSCFD WATER = 910 BPD			128	327	155	30-015-41327	Sec.22, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Cedar Canyon 17-1	42				414	621	455	30-015-42058	Sec.17, T24S R29E	OXY USA INC
Pierce Crossing; Bone Spring, East (96473)	6-3024823	Cedar Canyon 15-3	42				414	621	455	30-015-41594	Sec.15, T24S R29E	OXY USA INC

OFF SPEC OIL RECIRCULATION



**Township 24 South, Range 29 East
Eddy County, New Mexico**



State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



Surface Commingling Order PC-1261

August 12, 2013

OXY USA, Inc.
5 Greenway Plaza, Suite 110
Houston, Texas 77046

Attention: Jennifer Duarte

OXY USA, Inc. is hereby authorized to surface commingle Cedar Canyon; Delaware (**11540**), and Picree Crossing; Bone Spring, East (**96473**), oil and gas production from the following wells.

Well Name	API#	Location
Harroun 10 Well No. 1	30-015-30375	Section 10, T-24-S R-29-E
Harroun 10 Well No. 2	30-015-31709	Section 10, T-24-S R-29-E
Harroun 10 Well No. 3	30-015-32617	Section 10, T-24-S R-29-E
Harroun 15 Well No. 7	30-015-29987	Section 15, T-24-S R-29-E
Harroun 15 Well No. 8	30-015-30253	Section 15, T-24-S R-29-E
Harroun 15 Well No. 14	30-015-32620	Section 15, T-24-S R-29-E
Harroun 15 Well No. 15	30-015-33317	Section 15, T-24-S R-29-E
Harroun 15 Well No. 16	30-015-33823	Section 15, T-24-S R-29-E
Harroun 15 Well No. 17	30-015-33822	Section 15, T-24-S R-29-E
Cedar Canyon 15 Well No. 2	30-015-41032	Section 15, T-24-S R-29-E
Cedar Canyon 22 Well No. 2	30-015-41327	Section 22, T-24-S R-29-E

All in NMPM, Eddy County, New Mexico

Commingled oil and gas production from the wells detailed above shall be measured and sold at the Harroun 15-15 Central Tank Battery located in Unit E of Section 15, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico.

Oil and gas production from each well shall be continuously measured with allocation meters before commingling with production from other wells. The allocation meters shall be calibrated quarterly. The commingled production from the wells is approved for off-lease measurement and sales.

August 12, 2013

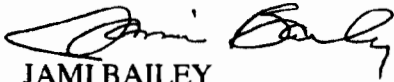
Page 2

NOTE: This installation shall be installed and operated in accordance with the applicable Division Rules and Regulations. It is the responsibility of the producer to notify the transporter of this commingling authority.

FURTHER: The operator shall notify the Artesia district office of the Division prior to implementation of commingling operations.

This approval is subject to like approval from the State Land Office (SLO) before commencement of commingling operations.

DONE at Santa Fe, New Mexico, on August 12, 2013.



JAMI BAILEY
Division Director

JB/re

cc: Oil Conservation Division – Artesia
State Land Office – Oil, Gas, and Minerals Division



**OXY USA WTP Limited Partnership / OXY USA INC /
OCCIDENTIAL PERMIAN LP**
A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046
P.O. Box 4294, Houston, Texas 77210-4294
Direct: 713.513.6640 Cell: 832.740.3716
Jennifer_duarte@oxy.com

August 12, 2014

Interest Owners

Re: Request for a CTB & Pool/Lease Commingle
CTB Location: Section 15, T24S, R29E – Harroun 15-15 CTB
Pool: Delaware and Bone Spring
Eddy County, New Mexico

To Whom It May Concern:

This is to advise you that OXY USA INC is filing an application with the New Mexico Oil Conservation Division (“NMOCD”) seeking approval for a Central Tanks Battery & Pool/Lease commingle for the mentioned wells in the attached documents.

A copy of our application submitted to the Division is attached.

Any objection or requests that a hearing should be held regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe Office within 21 Days from the date of this letter.

Please contact me should you have any questions or need anything further.

Thank you in advance for your time.

Very Truly Yours,

OXY USA WTP Limited Partnership / OXY USA INC / OCCIDENTIAL PERMIAN LP
Jennifer Duarte
Regulatory Specialist

Enclosure

Interest Owner

Certified Mail Receipt #

MOBIL PRODUCING TEXAS
P O BOX 2305
Houston, TX 77252

70131090000009725679

WAYNE & LINDA NEWKUMET
PO BOX 11330
MIDLAND, TX 79702- 8330

70131090000009725662

BERYL OIL AND GAS LP
6706 WEST WIND COURT
MIDLAND, TX 79707

70141200000025723240

GERALD A HANCOCK
500 W ILLINOIS STE 1200
MIDLAND, TX 79701

70141200000025723257

GD MCKINNEY INVESTMENTS LP
500 W ILLINOIS STE 1200
MIDLAND, TX 79701

70141200000025723264

B JACK REED
506 CHARISMATIC
MIDLAND, TX 79705

70141200000025723271

DRW ENERGY LLC
6212 ORIOLE DR
MIDLAND, TX 79707

70141200000025723288

NEW MEXICO STATE LAND OFFICE
Commingle PRE-Application ONLINE Version

Please provide the following requested information so that the SLO staff can determine whether or not you qualify to submit a commingle application package.

Name: JENNIFER DUARTE Company: OXY USA INC
Address: PO BOX 4294 City HOUSTON
Telephone: 713-513-6640 Fax: _____ State TX Zip 77210

The State Land Office rule that applies to commingling oil and gas production from New Mexico State Trust Lands is Rule 100.53. The rule is attached to the bottom of this form. If you have any questions, please contact the Oil, Gas, and Minerals Division at 505-827-5791.

1. Briefly describe what you propose to do. APPLICATION FOR POOL/LEASE COMMINGLE.
WELLS ARE DETAILED IN THE ATTACHED NMOCD APPLICATION AND CENTRAL TANK BATTERY
WILL BE LOCATED AT HARROUN 15-15; SEC 15 T24S R29E.
AMENDMENT TO PC-1261

2. Fill in the following information for each well. [Attach additional pages if needed.]

Well name & number PLEASE SEE ATTACHED NMOCD PERMIT FOR INFO Lease # _____
Lessee of Record _____
Legal land description: Subdivisions _____
Sect _____ T _____ R _____ NMPM _____ County NM
Pool _____

Well name & number _____ Lease # _____
Lessee of Record _____
Legal land description: Subdivisions _____
Sect _____ T _____ R _____ NMPM _____ County NM
Pool _____

Well name & number _____ Lease # _____
Lessee of Record _____
Legal land description: Subdivisions _____
Sect _____ T _____ R _____ NMPM _____ County NM
Pool _____

From: (713) 513-6640
Jennifer Duarte
Oxy Inc
5 Greenway Plaza
Suite 110
Houston, TX 77046

Origin ID: HOUA



Ship Date: 12AUG14
Act/Wgt: 0.2 LB
CAD: 105144747/NET3550

Delivery Address Bar Code



SHIP TO: (505) 827-5760

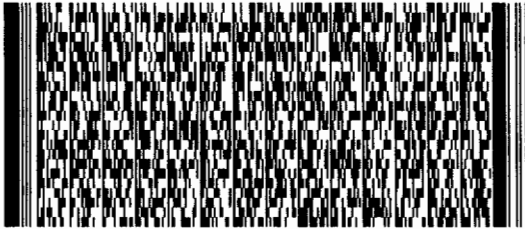
BILL SENDER

Commissioner of Public Lands
State of New Mexico
310 Old Santa Fe Trail
Attention: Pete Martinez
SANTA FE, NM 87504

Ref # J Duarte
Invoice #
PO #
Dept #

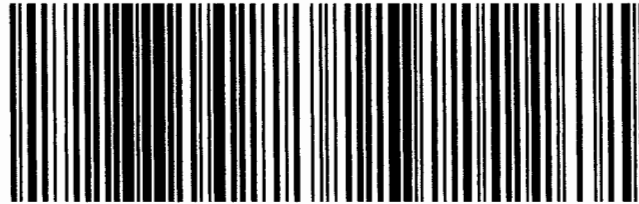
WED - 13 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7708 1817 1976
0201



XX SAFA

87504
NM-US
ABQ



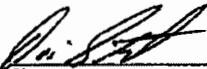
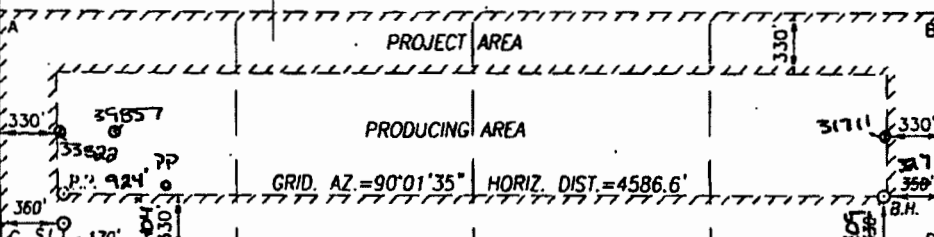
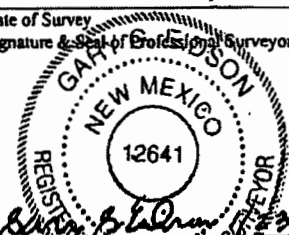

522G1/ECF2/8AC9

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

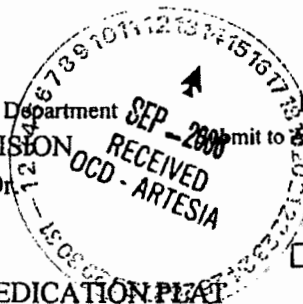
Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=440526.1 N X=609522.8 E</p>	<p>CORNER COORDINATES TABLE</p> <p>A - Y=441684.7 N, X=609155.0 E B - Y=441680.9 N, X=614453.4 E C - Y=440356.3 N, X=609164.0 E D - Y=440353.9 N, X=614458.5 E</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>  Signature 11/31/13 Date David Stewart Reg. No. 12641 Printed Name david_stewart@oxy.com E-mail Address </p>
<p>BOTTOM HOLE LOCATION Y=440684.0 N X=614107.3 E</p> <p>LAT.=32.210627° N LONG.=103.979217° W</p>		
<p>PENETRATION POINT Y=440686.1 N X=609521.7 E</p> <p>LAT.=32.211019° N LONG.=103.964393° W</p>		
<p>PROJECT AREA</p> <p>PRODUCING AREA</p> <p>GRID. AZ.=90°01'35" HORIZ. DIST.=4586.6'</p> 		
<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plot 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>JANUARY 17, 2013</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor:</p> <div style="text-align: center;">  </div> <p>  Certificate Number: 12641 Garret S. Eidson Professional Surveyor DSS JWSC W.O.: 13.11.0085 </p>		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33822	² Pool Code 96473	³ Pool Name Pierce Crossing Bone Spring East
⁴ Property Code 17565	⁵ Property Name Harroun 15	⁶ Well Number 17
⁷ OGRID No. 017891	⁸ Operator Name Pogo Producing Company	⁹ Elevation 2927'

¹⁰ Surface Location

UL or lot no. M	Section 15	Township 24S	Range 29E	Lot Idn	Feet from the 660	North/South line South	Feet from the 330	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 15	Township 24S	Range 29E	Lot Idn	Feet from the 661	North/South line South	Feet from the 1679	East/West line East	County Eddy
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¹² Dedicated Acres 120	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

<div>16</div> <div>CONFIDENTIAL</div> <div><p>Project Area</p><p>Producing Area</p><p>SHL 330'</p><p>BHL 661'</p><p>1679'</p></div>	<div>17 OPERATOR CERTIFICATION</div> <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 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.</p> <p><i>Cathy Wright</i> 09/12/06 Signature Date</p> <p>Cathy Wright Printed Name</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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 Signature and Seal of Professional Surveyor:</p>
	Certificate Number

DISTRICT I
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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41327	Pool Code 96473	Pool Name Piase Crossing Bone Spring, East
Property Code 39438	Property Name CEDAR CANYON 22	Well Number 2H
OGRID No. 16694	Operator Name OXY U.S.A. INC.	Elevation 2927

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	22	24-S	29-E		990	NORTH	690	WEST	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
A	22	24-S	29-E		990 939	NORTH	330 315	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No. PB-959 FNL 383 FEL
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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>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>David Stewart</i> 5/7/13 Signature Date</p> <p>David Stewart S.P. R.H.W. Printed Name</p> <p>david_stewart@oxy.com E-mail Address</p>
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=439366.2 N X=609855.8 E LAT.=32.207436° N LONG.=103.978153° W</p> <p>BOTTOM HOLE LOCATION Y=439364.3 N X=614131.2 E LAT.=32.207391° N LONG.=103.964330° W</p>	<p>CORNER COORDINATES TABLE</p> <p>A - Y=440356.3 N, X=609164.0 E B - Y=440353.9 N, X=614458.5 E C - Y=439026.8 N, X=614462.0 E D - Y=439029.5 N, X=609166.5 E</p>	<p>SURVEYOR CERTIFICATION</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>APRIL 18, 2013</p> <p>Date of Survey Signature & Seal of Professional Surveyor:</p> <p> GARY G. EIDSON 12641 5/29/13</p> <p>Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239 BKL PROFESSIONAL SURVEYOR W.O.: 13.11.0418</p>

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-#2058	Pool Code 96238	Pool Name Cornal Draw Bone Springs
Property Code	Property Name CEDAR CANYON 17	Well Number 1H
OGRID No. 16696	Operator Name OXY U.S.A. INC.	Elevation 2928'

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24-S	29-E		1150	NORTH	150	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
E	17	24-S	29-E		1980	NORTH	350	WEST	EDDY

Penetration Point Location									
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	24-S	29-E		1671	NORTH	980	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	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

		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>David Stewart</i> Date: 2/6/14</p> <p>Printed Name: David Stewart SR. Reg. Geol.</p> <p>E-mail Address: david.stewart@oxy.com</p>
<p>CORNER COORDINATES TABLE</p> <p>A - Y=445665.1 N, X=598539.5 E</p> <p>B - Y=445643.6 N, X=602512.8 E</p> <p>C - Y=445636.4 N, X=603837.2 E</p> <p>D - Y=444309.4 N, X=603845.0 E</p> <p>E - Y=444316.3 N, X=602521.2 E</p> <p>G - Y=443009.6 N, X=598557.6 E</p> <p>H - Y=444337.4 N, X=598548.6 E</p> <p>F - Y=442982.3 N, X=603852.8 E</p>	<p>GEODETIC COORDINATES</p> <p>NAD 27 NME</p> <p>SURFACE LOCATION</p> <p>Y=444487.5 N</p> <p>X=603694.0 E</p> <p>BOTTOM HOLE LOCATION</p> <p>Y=443683.6 N</p> <p>X=598902.9 E</p>	<p>SURVEYOR CERTIFICATION</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>SEPTEMBER 20, 2013</p> <p>Date of Survey</p> <p>Signature of Professional Surveyor: <i>Gary J. Eidson</i></p> <p>GARY J. EIDSON</p> <p>NEW MEXICO</p> <p>12641</p> <p>REGISTERED PROFESSIONAL SURVEYOR</p> <p>Certificate Number: 12641</p> <p>ACK REL W.D. 19-1000 JWSC W.O. 14-13-0080</p>
<p>PENETRATION POINT</p> <p>NAD 27 NME</p> <p>Y=443971.0 N</p> <p>X=602867.2 E</p> <p>LAT.=32.220156° N</p> <p>LONG.=104.000702° W</p>		

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring, East
Property Code 39046	Property Name CEDAR CANYON "15"	Well Number 3H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2925.8'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	24 SOUTH	29 EAST, N.M.P.M.		1888'	SOUTH	700'	WEST	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
I	15	24 SOUTH	29 EAST, N.M.P.M.		1980'	SOUTH	350'	EAST	EDDY
Dedicated Acres 160		Joint or Infill N	Consolidation Code	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.

<p>SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=442244.0 X=809851.2 LAT.: N 32.2153468° LONG.: W 103.9781369°</p> <p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=442334.1 X=614100.7 LAT.: N 32.2155531° LONG.: W 103.9643955°</p> <p>PROJECT AREA PRODUCING AREA GRID A2 = 88°47'09" 4250.54' 330' 330' 1888' 1980'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the 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 as a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 8/6/13 Date David Stewart Sr. Reg. Asst. Printed Name david_stewart@oxy.com E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of a duly qualified surveyor made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JERRY J. ASH Date of Survey Signature and Seal of Professional Surveyor Certificate Number 15079</p> <p>WOF 130521ML-b (KA)</p>

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District II
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District III
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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Pierce Crossing Bone Springs
Property Code	Property Name	Well Number
	Harroun 10	1
OGRID No.	Operator Name	Elevation
017891	Pogo Producing Company	2944'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
N	10	24S	29E		660	North	2310	West	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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

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

18					OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Cathy Tomberlin Signature Cathy Tomberlin Printed Name Operation Tech Title 09/07/00 Date				
					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 Surveyer				
					Refer to Orig. Plat Certificate Number				

District I

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33317	² Pool Code 96473	³ Pool Name Pierce Crossing Bone Spring East
⁴ Property Code 17565	⁵ Property Name Harroun 15	⁶ Well Number 15
⁷ OGRID No. 017891	⁸ Operator Name Pogo Producing Company	⁹ Elevation 2928

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	24S	29E		1980	North	990	West	Eddy

¹¹ 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
G	15	24S	29E		1979	North	1658	East	Eddy

¹² Dedicated Acres 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Cathy Wright Printed Name Sr Eng Tech Title and E-mail Address 12/6/04 Date

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DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	11540	CEDAR CANYON -DELAWARE
Property Code	Property Name	Well Number
23616	HARROUN "10"	2
OGRID No.	Operator Name	Elevation
17891	POGO PRODUCING COMPANY	2947'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	10	24-S	29-E		660	SOUTH	990	WEST	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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 04/16/01 Date	
	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. APRIL 10, 2001 Date Surveyed Signature, & Seal of Professional Surveyor 81-11-0427 Certificate No. RONALD E. HUDSON 3239 GARY HUDSON 18041	
	AWB Signature, & Seal of Professional Surveyor 81-11-0427 Certificate No. RONALD E. HUDSON 3239 GARY HUDSON 18041	
	AWB Signature, & Seal of Professional Surveyor 81-11-0427 Certificate No. RONALD E. HUDSON 3239 GARY HUDSON 18041	

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-32617	Pool Code 96473	Pool Name Pierce Crossing Bone Spring
Property Code 23616	Property Name HARROUN 10	Well Number 3
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2959'

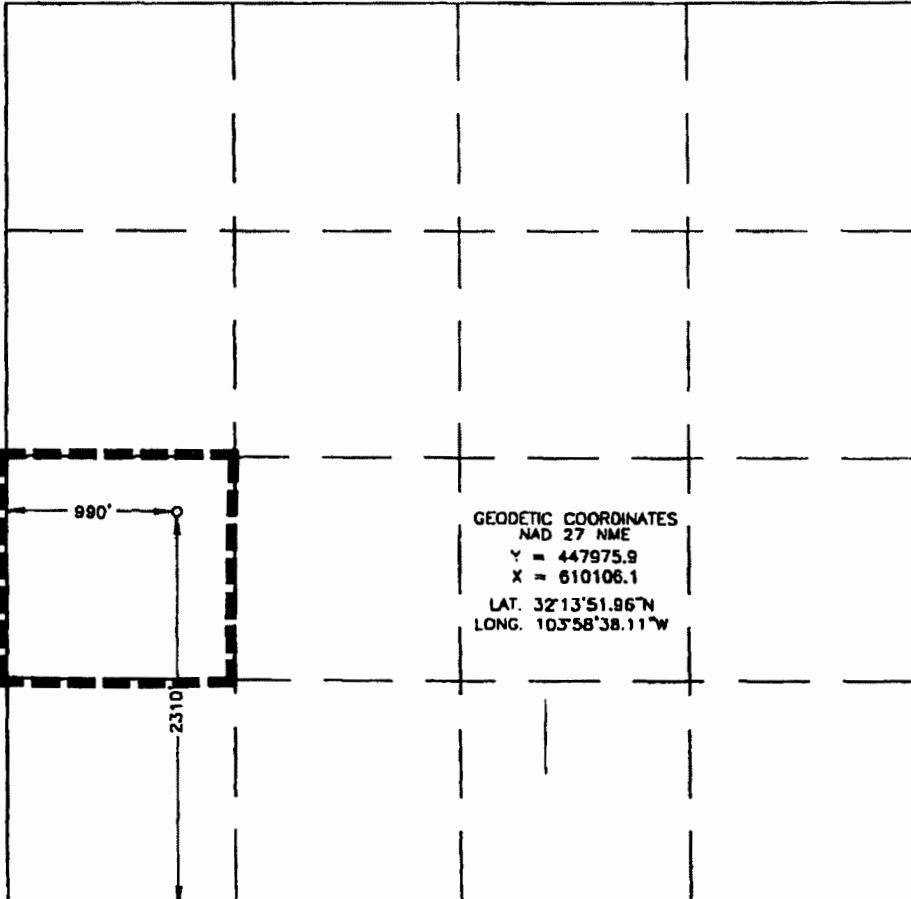
Surface Location

UL or lot No. L	Section 10	Township 24-S	Range 29-E	Lot Idn	Feet from the 2310	North/South line SOUTH	Feet from the 990	East/West line WEST	County EDDY
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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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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	<p>GEODETIC COORDINATES NAD 27 NME Y = 447975.9 X = 610106.1 LAT. 32°13'51.96"N LONG. 103°58'38.11"W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Cathy Wright</i> Signature Cathy Wright Printed Name Sr. Operation Tech Title 01/15/04 Date</p>
		<p>SURVEYOR CERTIFICATION</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>JANUARY 31, 2003</p> <p>Date Surveyed _____ L.A. Signature & Seal of Professional Surveyor <i>Ronald J. Edson</i> 2/21/03 03.11.0146 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641</p>

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96473	Pool Name PICCOLI CROSSING, BONE SPRINGS E.
Property Code 17565	Property Name HARROUN 15	Well Number 7
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2939

Surface Location

UL or lot No. C	Section 15	Township 24 S	Range 29 E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 1980	East/West line WEST	County EDDY
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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
Dedicated Acres	Joint or Infill	Consolidation Code	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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>James M.C. Ritchie, Jr.</u> Printed Name: <u>JAMES M.C. Ritchie, Jr.</u> Title: <u>AGENT</u> Date: <u>12/31/97</u>	
	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. DECEMBER 18, 1997 Date Surveyed: <u>12-22-97</u> Signature & Seal of Professional Surveyor: <u>Ronald J. Edson</u> W.O. Num. <u>97-11-2064</u>	
	Certificate No. <u>RONALD J. EDSON, 3239</u> <u>GARY G. EDSON, 12041</u> <u>MACON McDONALD, 12185</u>	

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 11540	Pool Name CEDAR CANYON (DELAWARE)
Property Code 17565	Property Name HARROUN 15	Well Number 8
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2930

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	24 S	29 E		1980	NORTH	2310	WEST	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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>James M.C. Ritchie, Jr.</u> Signature <u>James M.C. Ritchie, Jr.</u> Printed Name <u>AGENT</u> Title <u>05/18/98</u> Date</p> <p>SURVEYOR CERTIFICATION</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><u>APRIL 30, 1998</u> Date Surveyed DMCC Signature Professional Seal Certificate No. <u>RAYMOND J. EDSON</u> 3239 CAR 12541 DONALD 12185</p>
--	---

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District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 June 10, 2003
Submit to Appropriate District Office
RECEIVED State Lease - 4 Copies
MAY 24 2005 Fee Lease - 3 Copies
QUANTIFIED AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32620	² Pool Code 11540	³ Pool Name Cedar Canyon Delaware
⁴ Property Code 17565	⁵ Property Name Harroun 15	⁶ Well Number 14
⁷ OGRID No. 017891	⁸ Operator Name Pogo Producing Company	⁹ Elevation 2930'

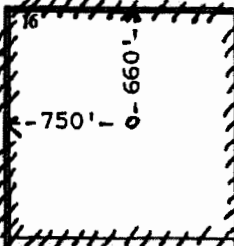
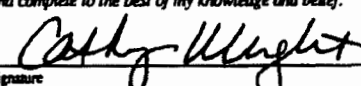
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	24S	29E		660	North	750	West	Eddy

¹¹ 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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Cathy Wright Printed Name Sr. Eng Tech Title and E-mail Address 05/23/05 Date	
					¹⁸ 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
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-102
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33823		⁴ Pool Code 96473		³ Pool Name Pierce Crossing Bone Spring East	
² Property Code 17565		⁵ Property Name Harroun 15			⁶ Well Number 16
⁷ OGRID No. 017891		⁸ Operator Name Pogo Producing Company			⁹ Elevation 2926

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	24S	29E		1980	South	330	West	Eddy

¹¹ 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
J	15	24S	29E		1964.73	South	1626.92	East	Eddy

¹² Dedicated Acres 120	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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>16</p> <p style="text-align: center; font-size: 2em;">CONFIDENTIAL</p> <p style="text-align: center;">RECEIVED MAY 12 2005 OIL CONSERVATION DIVISION</p>				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Cathy Wright</i> Signature</p> <p>Cathy Wright Printed Name</p> <p>Sr. Eng Tech Title and E-mail Address</p> <p>05/11/05 Date</p>	
				<p>18 SURVEYOR CERTIFICATION</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>	

330' SHL

BHL 1626.92'

1980'

1964.73'

Harroun 15-15 CTB 6mths Production

HARROUN 10 001			
Month	Oil	Gas	Water
Jul, 2014	672	3,569	1,350
Jun, 2014	334	3,369	1,290
May, 2014	418	2,648	1,483
Apr, 2014	347	2,621	1,396
Mar, 2014	264	3,626	1,333
Feb, 2014	270	3,173	1,224
Jan, 2014	422	5,567	1,364
HARROUN 10 002			
Month	Oil	Gas	Water
Jul, 2014	122	811	458
Jun, 2014	51	766	510
May, 2014	80	754	427
Apr, 2014	67	732	344
Mar, 2014	15	287	84
Feb, 2014	57	750	356
Jan, 2014	84	1,113	403
HARROUN 10 003			
Month	Oil	Gas	Water
Jul, 2014	651		1,200
Jun, 2014	347		1,120
May, 2014	315		1,984
Apr, 2014	228		1,143
Mar, 2014	176		1,023
Feb, 2014	167		964
Jan, 2014	253		1,085
HARROUN 15 007			
Month	Oil	Gas	Water
Jul, 2014	427	1,736	1,198
Jun, 2014	180	1,838	1,170
May, 2014	186	1,223	1,054
Apr, 2014	199	1,516	1,230
Mar, 2014	176	2,175	1,271
Feb, 2014	153	1,327	1,148
Jan, 2014	225	2,004	1,271
HARROUN 15 008			
Month	Oil	Gas	Water
Jul, 2014	122	957	1,056
Jun, 2014	51	766	1,110
May, 2014	103	964	1,022
Apr, 2014	99	1,040	980
Mar, 2014	88	1,450	1,023
Feb, 2014	79	1,173	1,024
Jan, 2014	118	2,004	1,178

Harroun 15-15 CTB 6mths Production

HARROUN 15 014			
Month	Oil	Gas	Water
Jul, 2014	220	1,033	523
Jun, 2014	133	1,047	430
May, 2014	172	779	651
Apr, 2014	142	866	610
Mar, 2014	123	1,269	620
Feb, 2014	107	832	583
Jan, 2014	158	1,336	651
HARROUN 15 015			
Month	Oil	Gas	Water
Jul, 2014	442	3,759	602
Jun, 2014	188	3,497	580
May, 2014	258	2,857	496
Apr, 2014	207	2,859	460
Mar, 2014	176	3,988	465
Feb, 2014	169	2,851	512
Jan, 2014	253	4,676	589
HARROUN 15 016			
Month	Oil	Gas	Water
Jul, 2014	1,282	4,867	1,090
Jun, 2014	578	4,595	1,005
May, 2014	572	5,195	186
Apr, 2014	495	5,051	251
Mar, 2014	463	5,076	1,147
Feb, 2014	417	3,880	1,082
Jan, 2014	619	6,457	1,209
HARROUN 15 017			
Month	Oil	Gas	Water
Jul, 2014	513	2,250	576
Jun, 2014	312	3,012	900
May, 2014	372	2,987	1,705
Apr, 2014	339	2,902	1,750
Mar, 2014	309	3,988	1,860
Feb, 2014	252	3,072	1,565
Jan, 2014	366	5,121	1,705
CEDAR CANYON 15 002H			
Month	Oil	Gas	Water
Jul, 2014	4,407	1,592	2,661
Jun, 2014	2,730	2,818	3,650
May, 2014	3,291	4,113	3,813
Apr, 2014	4,103	9,497	4,908
Mar, 2014	4,465	11,917	6,495
Feb, 2014	4,014	10,248	7,112
Jan, 2014	5,906	12,609	7,874

Harroun 15-15 CTB 6mths Production

CEDAR CANYON 22 002H			
Month	Oil	Gas	Water
Jul, 2014	6,241		7,158
Jun, 2014	2,876		7,320
May, 2014	2,950		5,402
Apr, 2014	3,097		4,486
Mar, 2014	4,878		6,560
Feb, 2014	4,712		6,622
Jan, 2014	6,300		6,913
CEDAR CANYON 17 FEE 001H			
No Production - New Well			
Month	Oil	Gas	Water
CEDAR CANYON 15 003H			
No Production - New Well			
Month	Oil	Gas	Water

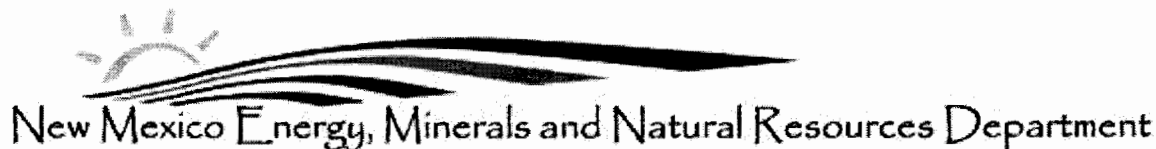
McMillan, Michael, EMNRD

From: Shapard, Craig, EMNRD
Sent: Thursday, September 11, 2014 11:25 AM
To: McMillan, Michael, EMNRD
Subject: RE: Cedar Canyon 17 1H pool

Keep this well in the Corral Draw, will expand this pool in Sec 17.

As far as UNM, I would have kicked you out of the house. You are lucky she is lenient.

T.C. Shapard
District II Geologist
Energy Minerals & Natural Resource Department
811 S. First Street
Artesia, New Mexico 88202
Office: (575) 748-1283 Ext. 103
Fax: (575) 748-9120
E-MAIL: Craig.Shapard@state.nm.us



From: McMillan, Michael, EMNRD
Sent: Thursday, September 11, 2014 11:20 AM
To: Shapard, Craig, EMNRD
Subject: Cedar Canyon 17 1H pool

TC:
Can you tell me what pool the Oxy Cedar Canyon 17 1H, API 30-015-42058 would be in? Surface Sec. 17 T24S R29E?
Would it be in the Corral Draw; Bone Spring or the Pierce Crossing, Bone Spring, East pool?

Thanks
Mike

P.S. Teri is still mad at me for betting on UNM.