

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number 16696
		³ Reason for Filing Code/ Effective Date - NW
⁴ API Number 30 - 015-44298	⁵ Pool Name COTTON DRAW; BONE SPRING	⁶ Pool Code 13367
⁷ Property Code: 317687	⁸ Property Name: PALLADIUM MDP1 7-6 FEDERAL COM	⁹ Well Number: 1H

II. 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
M	7	24S	31E		609	SOUTH	682	WEST	EDDY

¹¹ Bottom Hole Location TOP PERF- 349' FSL 481' FWL BOTTOM PERF- 365' FNL 395' FWL

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	24S	31E		195	NORTH	395	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code : F	¹⁴ Gas Connection Date: 2/25/18	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

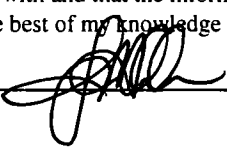
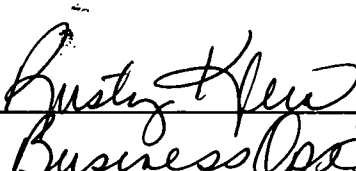
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	GREAT LAKES PETROLEUM TRANSPORTATION, LLC	O
151618	ENTERPRISE FIELD SERVICES LLC RECEIVED MAY 31 2018 DISTRICT II-ARTESIA O.C.D.	G

IV. Well Completion Data

²¹ Spud Date 10/16/17	²² Ready Date 2/24/18	²³ TD 19890'M 10049'V	²⁴ PBDT 19830'M 10049'V	²⁵ Perforations 9756-19720'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	657'	845		
12-1/4"	9-5/8"	4326'	1446		
8-1/2"	5-1/2"	19874'	3893		

V. Well Test Data

³¹ Date New Oil 2/25/18	³² Gas Delivery Date 2/25/18	³³ Test Date 3/22/18	³⁴ Test Length 24 HRS.	³⁵ Tbg. Pressure	³⁶ Csg. Pre: 743
³⁷ Choke Size 67/128	³⁸ Oil 3038	³⁹ Water 4337	⁴⁰ Gas 4960		⁴¹ Test Me F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature:  Printed name: Jana Mendiola Title: Regulatory Specialist E-mail Address: Janalyn_mendiola@oxy.com Date: 5/23/2018			OIL CONSERVATION DIVISION Approved by:  Title: Business Ops Spec Approval Date: 6-4-2018		
Phone: 432-685-5936					

Pending BLM approvals will
subsequently be reviewed
and scanned

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Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 31 2018

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT-ARTESIAN C.D.
DISTRICT-ARTESIAN C.D.5. Lease Serial No.
NMNM57273

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
PALLADIUM MDP1 7-6 FEDERAL COM 1H9. API Well No.
30-015-4429810. Field and Pool, or Exploratory
COTTON DRAW, BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 7 T24S R31E Mer NMP12. County or Parish
EDDY13. State
NM17. Elevations (DF, KB, RT, GL)*
3530 GL1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other2. Name of Operator
OXY USA INC. Contact: JANA MENDIOLA
E-Mail: janalyn_mendiola@oxy.com3. Address P.O. BOX 50250
MIDLAND, TX 79710 3a. Phone No. (include area code)
Ph: 432-685-59364. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 7 T24S R31E Mer NMP
SWSW 609FSL 682FWL 32.226265 N Lat, 103.823459 W Lon
At top prod interval reported below Sec 7 T24S R31E Mer NMP
SWSW 349FSL 481FWL 32.225526 N Lat, 103.824243 W Lon
At total depth Sec 6 T24S R31E Mer NMP
NWNW 195FNL 395FWL 32.253018 N Lat, 103.824219 W Lon14. Date Spudded
10/16/2017 15. Date T.D. Reached
12/05/2017 16. Date Completed
☐ D & A ☒ Ready to Prod.
02/24/201818. Total Depth: MD 19890
TVD 10049 19. Plug Back T.D.: MD 19830
TVD 10049 20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
MUD LOG22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	657		845	203	0	
12.250	9.625 L80	47.0	0	4326		1446	432	0	
8.500	5.500 P110	20.0	0	19874		3893	945	550	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2ND BONE SPRING	9756	19720	9756 TO 19720	0.370	1504	ACTIVE
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9756 TO 19720	19367460G SLICK WATER + 48006G 7.5% HCL ACID W/ 18604260# SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/25/2018	03/22/2018	24	→	3038.0	4960.0	4337.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
67/128	SI	743.0	→	3038	4960	4337	1633	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	SI		→					

Pending BLM approvals will
subsequently be reviewed
and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #421182 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BELL CANYON	4307	5194	OIL, GAS, WATER	RUSTLER	677
CHERRY CANYON	5195	6429	OIL, GAS, WATER	SALADO	941
BRUSHY CANYON	6430	8194	OIL, GAS, WATER	CASTILE	2850
BONE SPRING	8195	9159	OIL, GAS, WATER	DELAWARE	4278
1ST BONE SPRING	9160	9987	OIL, GAS, WATER	BELL CANYON	4307
2ND BONE SPRING	9988	10049	OIL, GAS, WATER	CHERRY CANYON	5195
				BRUSHY CANYON	6430
				BONE SPRING	8195

32. Additional remarks (include plugging procedure):
52. FORMATION (LOG) MARKERS CONTD.

1ST BONE SPRING 9160' MD
2ND BONE SPRING 9988' MD

Logs were mailed 5/24/18.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #421182 Verified by the BLM Well Information System.
For OXY USA INC., sent to the Carlsbad

Name (please print) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 05/23/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #421182 that would not fit on the form

32. Additional remarks, continued

Log Header, Directional Survey, As-Drilled Amended C-102 plat & WBD are attached.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM57273

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
PALLADIUM MDP1 7-6 FEDERAL COM 1H9. API Well No.
30-015-4429810. Field and Pool or Exploratory Area
COTTON DRAW BONE SPRING11. County or Parish, State
EDDY COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA INC.Contact: JANA MENDIOLA
E-Mail: janalyn_mendiola@oxy.com3a. Address
P.O. BOX 50250
MIDLAND, TX 797103b. Phone No. (include area code)
Ph: 432-685-59364. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 7 T24S R31E Mer NMP SWSW 609FSL 682FWL
32.226265 N Lat, 103.823459 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

RUPU 1/21/18, RIH & clean out to PBTD @ 19830', pressure test csg to 9800# for 30 min, good test. RIH & perf @ 19720-19537, 19517-19334, 19314-19131, 19115-18911, 18898-18695, 18682-18478, 18458-18275, 18255-18072, 18052-17869, 17853-17649, 17636-17433, 17420-17216, 17191-17008, 16983-16800, 16775-16592, 16573-16370, 16357-16153, 16140-15937, 15912-15729, 15704-15521, 15496-15313, 15294-15090, 15077-14874, 14861-14657, 14632-14449, 14424-14241, 14216-14033, 14014-13811, 13798-13594, 13581-13378, 13353-13170, 13145-12962, 12937-12754, 12735-12531, 12518-12315, 12302-12098, 12073-11890, 11865-11682, 11657-11474, 11455-11252, 11239-11035, 11022-10819, 10794-10611, 10586-10403, 10378-10195, 10176-9972, 9959-9756' Total 1504 holes. Frac in 47 stages w/ 19367460g Slick Water + 48006g 7.5% HCl acid w/ 18604260# sand, RD Schlumberger 2/8/18. RIH & clean out, flow to clean up and test well for potential.

RECEIVED

MAY 31 2018

DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #421181 verified by the BLM Well Information System
For OXY USA INC., sent to the Carlsbad

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 05/23/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Pending BLM approvals will
subsequently be reviewed
and scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

United

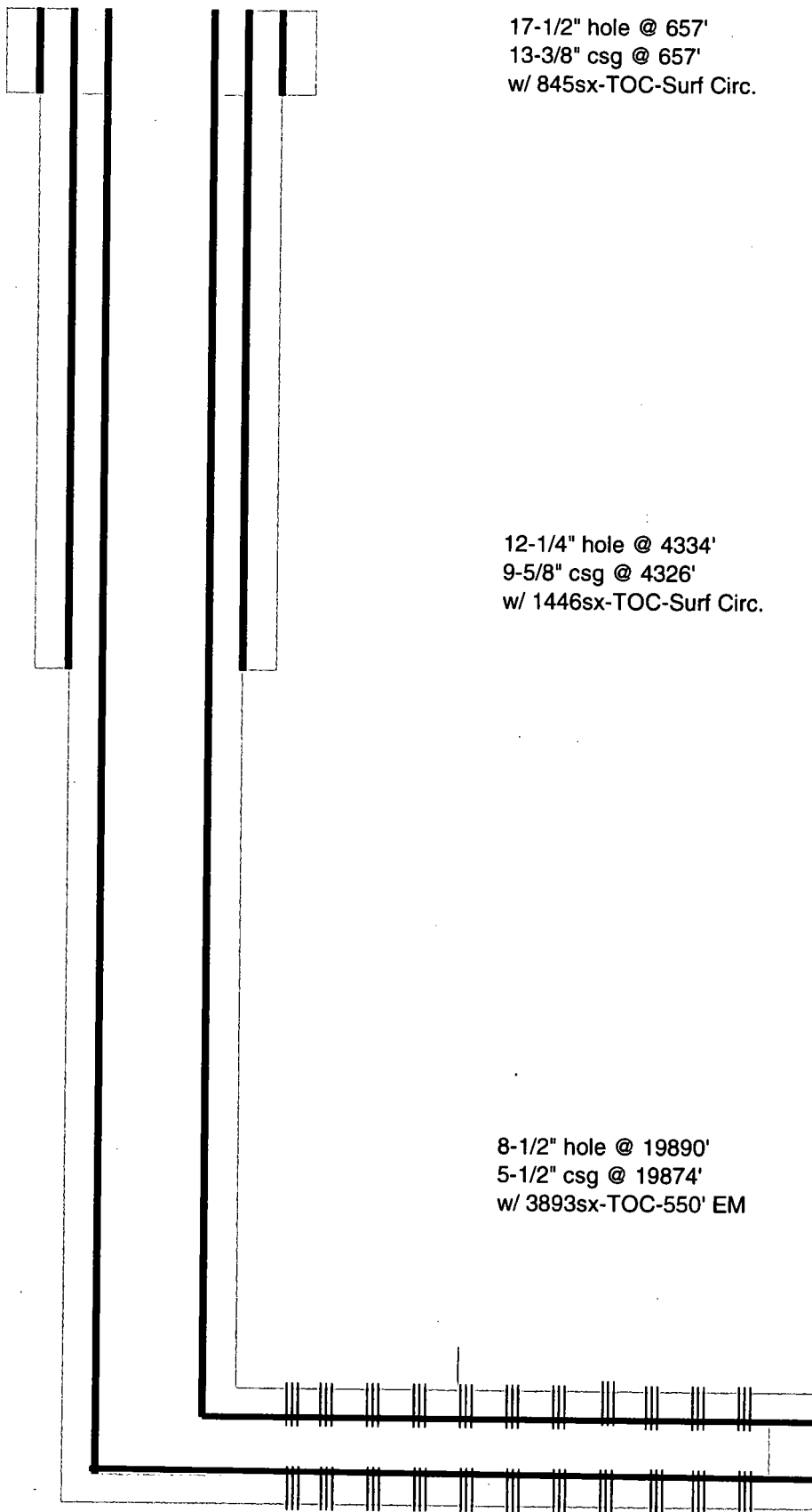
(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

OXY USA Inc.

Palladium MDP1 7-6 Federal Com 1H

API No. 30-015-44298



Perfs @ 9756-19720'

TD- 19890'M 10049'V

Comments	MD	Incl	Azim Gnd	TVD	VSEC	NS	EW	DLS	Eastng	Northng	Eastng	Latitude	Longitude
		(°)	(°)	(m)	(m)	(m)	(m)	(m)	(N/S)	(N/S)	(N/S)	(°)	(°)
	7648.00	11.51	188.09	7595.80	-410.08	-415.72	-189.38	0.55	69881.38	44600.72	69881.38	N 32 13 30.45 W	103 49 26.68 E
	7743.00	11.51	188.52	7688.89	-427.80	-433.72	-195.34	0.09	69880.43	44598.75	69880.43	N 32 13 30.10 W	103 49 26.75 E
	7827.00	11.43	188.17	7781.02	-445.46	-451.46	-201.22	0.11	69880.54	44597.98	69880.54	N 32 13 30.10 W	103 49 26.85 E
	7932.00	11.47	188.20	7874.13	-463.20	-469.38	-207.10	0.04	69879.04	44595.07	69879.04	N 32 13 29.92 W	103 49 26.96 E
	8027.00	10.37	188.21	7967.40	-480.13	-486.47	-212.73	0.16	69879.10	44593.97	69879.10	N 32 13 29.75 W	103 49 27.04 E
	8122.00	10.41	187.93	8060.85	-496.76	-502.76	-218.04	0.07	69878.75	44592.68	69878.75	N 32 13 29.59 W	103 49 27.10 E
	8216.00	10.11	187.53	8153.38	-510.53	-517.26	-225.95	0.37	69877.92	44590.16	69877.92	N 32 13 29.45 W	103 49 27.11 E
	8311.00	9.50	187.11	8241.11	-524.92	-532.37	-230.21	0.38	69877.53	44589.11	69877.53	N 32 13 29.30 W	103 49 27.14 E
	8406.00	8.63	186.59	8341.09	-534.86	-542.34	-235.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8500.00	7.50	186.54	8434.64	-544.92	-552.34	-239.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8595.00	6.35	186.21	8529.43	-551.85	-559.62	-243.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8690.00	5.27	185.79	8619.18	-558.18	-566.06	-247.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8785.00	4.39	185.27	8719.18	-561.85	-569.38	-251.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8880.00	3.52	184.61	8819.18	-565.08	-572.62	-255.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	8975.00	2.67	183.97	8919.18	-568.35	-575.89	-259.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9070.00	1.80	183.31	9019.18	-571.62	-579.16	-263.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9165.00	0.93	182.64	9119.18	-574.89	-582.43	-267.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9260.00	0.06	181.97	9219.18	-578.16	-585.70	-271.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9355.00	-0.81	181.30	9319.18	-581.43	-588.97	-275.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9450.00	-1.68	180.63	9419.18	-584.70	-592.24	-279.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9545.00	-2.55	180.00	9519.18	-587.97	-595.51	-283.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9640.00	-3.42	179.37	9619.18	-591.24	-598.78	-287.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9735.00	-4.29	178.74	9719.18	-594.51	-602.05	-291.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9830.00	-5.16	178.11	9819.18	-597.78	-605.32	-295.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	9925.00	-6.03	177.48	9919.18	-601.05	-608.59	-299.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10020.00	-6.90	176.85	10019.18	-604.32	-611.86	-303.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10115.00	-7.77	176.22	10119.18	-607.59	-615.13	-307.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10210.00	-8.64	175.59	10219.18	-610.86	-618.40	-311.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10305.00	-9.51	174.96	10319.18	-614.13	-621.67	-315.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10400.00	-10.38	174.33	10419.18	-617.40	-624.94	-319.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10495.00	-11.25	173.70	10519.18	-620.67	-628.21	-323.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10590.00	-12.12	173.07	10619.18	-623.94	-631.48	-327.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10685.00	-13.00	172.44	10719.18	-627.21	-634.75	-331.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10780.00	-13.87	171.81	10819.18	-630.48	-638.02	-335.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10875.00	-14.74	171.18	10919.18	-633.75	-641.29	-339.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	10970.00	-15.61	170.55	11019.18	-637.02	-644.56	-343.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11065.00	-16.48	169.92	11119.18	-640.29	-647.83	-347.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11160.00	-17.35	169.29	11219.18	-643.56	-651.10	-351.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11255.00	-18.22	168.66	11319.18	-646.83	-654.37	-355.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11350.00	-19.09	168.03	11419.18	-650.10	-657.64	-359.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11445.00	-19.96	167.40	11519.18	-653.37	-660.91	-363.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11540.00	-20.83	166.77	11619.18	-656.64	-664.18	-367.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11635.00	-21.70	166.14	11719.18	-659.91	-667.45	-371.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11730.00	-22.57	165.51	11819.18	-663.18	-670.72	-375.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11825.00	-23.44	164.88	11919.18	-666.45	-673.99	-379.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	11920.00	-24.31	164.25	12019.18	-669.72	-677.26	-383.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12015.00	-25.18	163.62	12119.18	-672.99	-680.53	-387.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12110.00	-26.05	162.99	12219.18	-676.26	-683.80	-391.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12205.00	-26.92	162.36	12319.18	-679.53	-687.07	-395.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12300.00	-27.79	161.73	12419.18	-682.80	-690.34	-399.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12395.00	-28.66	161.10	12519.18	-686.07	-693.61	-403.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12490.00	-29.53	160.47	12619.18	-689.34	-696.88	-407.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12585.00	-30.40	159.84	12719.18	-692.61	-700.15	-411.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12680.00	-31.27	159.21	12819.18	-695.88	-703.42	-415.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12775.00	-32.14	158.58	12919.18	-699.15	-706.69	-419.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12870.00	-33.01	157.95	13019.18	-702.42	-709.96	-423.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	12965.00	-33.88	157.32	13119.18	-705.69	-713.23	-427.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13060.00	-34.75	156.69	13219.18	-708.96	-716.50	-431.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13155.00	-35.62	156.06	13319.18	-712.23	-719.77	-435.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13250.00	-36.49	155.43	13419.18	-715.50	-723.04	-439.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13345.00	-37.36	154.80	13519.18	-718.77	-726.31	-443.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13440.00	-38.23	154.17	13619.18	-722.04	-729.58	-447.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13535.00	-39.10	153.54	13719.18	-725.31	-732.85	-451.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13630.00	-40.00	152.91	13819.18	-728.58	-736.12	-455.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13725.00	-40.87	152.28	13919.18	-731.85	-739.39	-459.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13820.00	-41.74	151.65	14019.18	-735.12	-742.66	-463.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	13915.00	-42.61	151.02	14119.18	-738.39	-745.93	-467.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	14010.00	-43.48	150.39	14219.18	-741.66	-749.20	-471.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	14105.00	-44.35	149.76	14319.18	-744.93	-752.47	-475.25	0.20	69877.33	44589.11	69877.33	N 32 13 29.30 W	103 49 27.14 E
	14200.00	-45.22	149.13	14419.18	-748.20	-755.74	-479.25	0.20	69877.33	44589.11	69877.33	N 32 13 29	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	19050.00	90.76	0.74	10050.55	8931.95	8927.35	-288.36	0.65	455350.18	698715.41	N 32 15 2.91	W 103 49 27.32
	19238.00	89.72	359.85	10049.77	9119.84	9115.34	-287.39	0.73	455538.16	698716.38	N 32 15 4.77	W 103 49 27.30
	19427.00	90.17	359.79	10049.95	9308.78	9304.34	-287.98	0.24	455727.15	698715.78	N 32 15 6.64	W 103 49 27.29
	19616.00	90.14	0.50	10049.44	9497.68	9493.34	-287.51	0.38	455916.14	698716.26	N 32 15 8.51	W 103 49 27.28
	19805.00	90.07	359.74	10049.09	9686.59	9682.33	-287.11	0.40	456105.12	698716.66	N 32 15 10.38	W 103 49 27.26
Final MWD	19850.00	90.24	359.55	10048.97	9731.58	9727.33	-287.39	0.57	456150.12	698716.38	N 32 15 10.82	W 103 49 27.26
Survey												
Proj to bit	19890.00	90.24	359.55	10048.80	9771.57	9767.33	-287.70	0.00	456190.11	698716.07	N 32 15 11.22	W 103 49 27.27

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Palladium MDP1 7-6 Federal Com 1H Gyro+MWD 0-19890 ftMD
	1	26.500	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Palladium MDP1 7-6 Federal Com 1H Gyro+MWD 0-19890 ftMD
	1	26.500	641.100	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Palladium MDP1 7-6 Federal Com 1H Gyro+MWD 0-19890 ftMD
	1	641.100	19890.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Palladium MDP1 7-6 Federal Com 1H

Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Palladium MDP1 7-6 Federal Com 1H	NM Eddy County (NAD 83)	Oxy Palladium MDP1 7-6 Federal Com 1H

Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: HQGM 2017 Dip: 89.892° Date: 28-Nov-2017	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Slot: MDP1 7-6 Federal Com 1H Rev2 LBN 28Nov17
MagDec: 6.959° FS: 48070.815mT Gravity FS: 899.422mgm (9.806653 Based)	Lat: N 32 13 34.58 Northing: 444423.41mUS	Plan: Oxy Palladium MDP1 7-6 Federal Com 1H Rev2 LBN 28Nov17
	Lon: W 103 48 24.48 Easting: 699003.78mUS	RKB=26.5'(3554.5h above MSL)
		Scale Fact: 0.98993758

Critical Points							
Critical Point	MD	INCL	AZIM	VSEC	N(+)S(-)	E(+)W(-)	DLS
Rustler	592.10	0.88	192.16	592.00	-9.81	-9.87	-1.85
Salado	947.11	0.02	248.61	947.00	-12.08	-12.15	-2.47
Castile	3047.11	0.08	29.07	3047.00	-12.93	-13.01	-2.72
Delaware	4288.11	0.03	231.27	4288.00	-13.30	-13.38	-2.75
Bell Canyon	4298.11	0.03	217.92	4298.00	-13.30	-13.39	-2.75
Cherry Canyon	5087.11	0.00	15.95	5087.00	-13.34	-13.42	-2.87
Brushy Canyon	6454.80	14.48	205.78	6438.00	-144.64	-147.21	-86.82
Bone Spring	8194.29	10.06	214.03	8132.00	-507.54	-514.21	-223.59
Tie In	10648.00	84.24	358.84	9988.35	538.77	531.22	-269.27
PTB	10701.00	84.24	358.84	9993.67	591.50	583.94	-270.33
Landing Point	11108.16	89.80	4.80	10014.85	997.01	990.00	-257.38
Hold to TD	11359.52	89.80	359.77	10015.74	1247.70	1241.07	-247.35
Palladium MDP1 7-6 Federal Com 1H PBHL	19850.45	89.80	359.77	10046.00	9735.94	9731.89	-281.03
Wolfcamp	NaN			11457.00			

