

DISTRICT I
1025 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 and Natural Resources Department
NM OIL CONSERVATION

Form C-102
Revised July 18, 2010

OIL CONSERVATION DIVISION 2016
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

ARTESIA DISTRICT

Submit one copy to appropriate
District Office

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42646	Pool Code 97494	Pool Name Cottonwood Draw; B.S. (O)
Property Code 313338	Property Name MARQUARDT FEDERAL	Well Number 17H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3260'

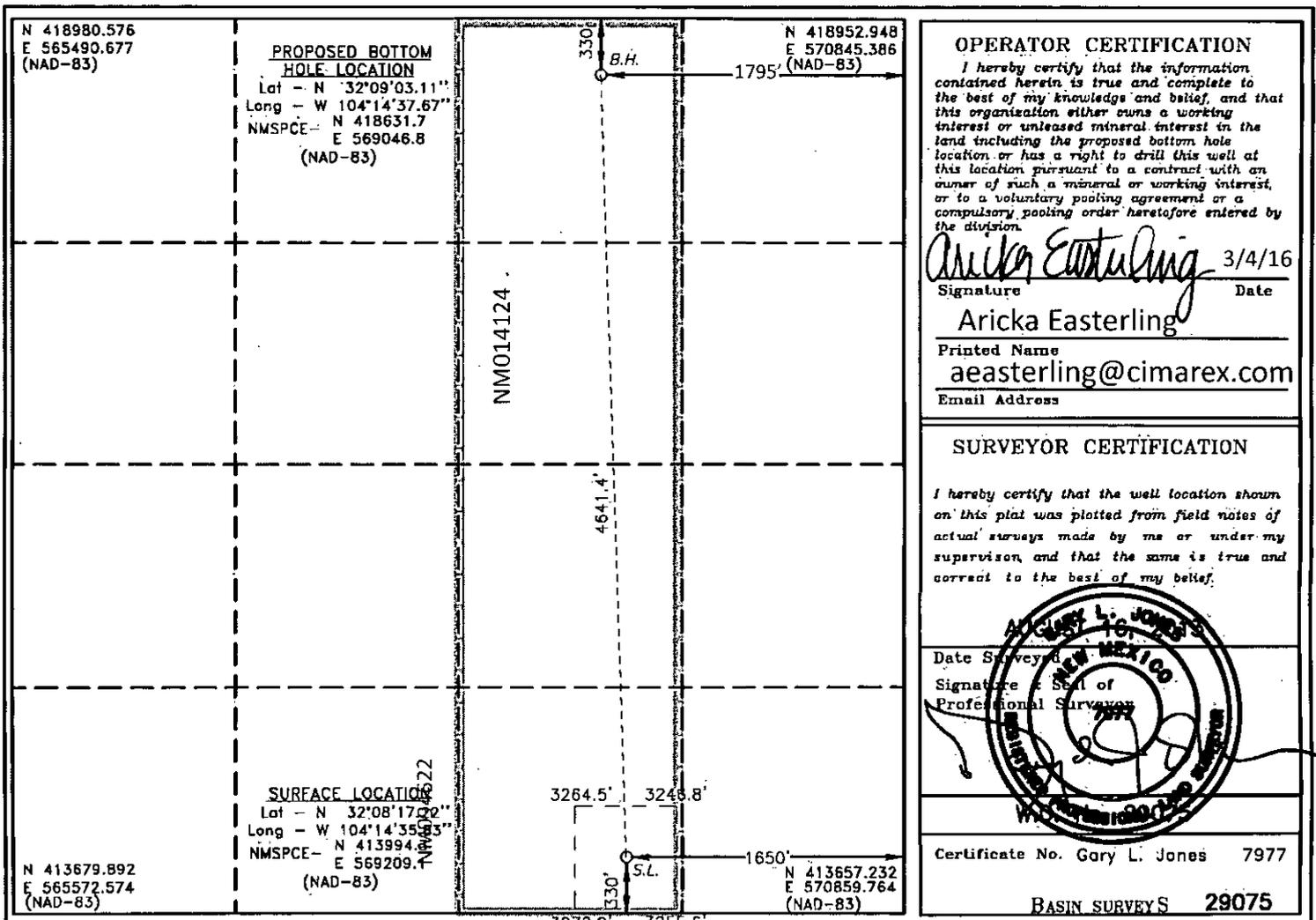
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	12	25 S	26 E		330	SOUTH	1650	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
B	12	25 S	26 E		330	NORTH	1795	EAST	EDDY
Dedicated Acres 160	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



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0506A
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 2760 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No. NMNM71016X
3b. Phone No. (include area code) Ph: 432-683-2277		8. Well Name and No. POKER LAKE UNIT CVX JV BS 035H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T24S R31E Mer NMP NENW 190FNL 2332FWL		9. API Well No. 30-015-42427
		10. Field and Pool, or Exploratory WC-015 G-06 S243119C; BS
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, LP respectfully submits this sundry notice to report drilling operations on the referened well.

09/23/2014
Spud 17-1/2" hole

09/24/2014 - 09/25/2014
TD @ 920'. 13-3/8", 54.5#, J-55, ST&C casing. Set @ 903'. LEAD CMT: 370 sks (129.2 bbls) Cemex Premium Plus C + additives. TAIL CMT: 370 sks (87.4 bbls) Cemex Premium Plug C + additives. Bump plug. Circulate 210 sks (73 bbls) of cement to surf. Skid rig to 036H.

10/04/2014 - 10/05/2014

14. I hereby certify that the foregoing is true and correct. Electronic Submission #292004 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad	
Name (Printed/Typed) TRACIE J CHERRY	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/17/2015

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 scanned *WJ*

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

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

Additional data for EC transaction #292004 that would not fit on the form

32. Additional remarks, continued

Install 5K BOP's, PU and MU two joints of drill pipe with test plug, seat test plug in wellhead with the 2" BV in the open position and filled with fresh water. Commence full body test of BOP stack. Test choke manifold, blind rams, top VBR pipe rams, 2" and 4" valves on BOP stack, blind rams, bottom pipe rams and choke manifold valves, HCR valve and Mathena choke to 250 psi low and 3,000 psi high. Test annular to 250 psi low and 2,500 psi high, good test held 10 minutes each. Test choke manifold, kill line valves, choke line valves, TIW, IBOP, top drive IBOP and mud lines back to mud pumps to 3,000 psi high, 250 psi low. Hold each test 10 minutes. Perform a full accumulator pressure function test. Pressure test 13-3/8" casing to 1900 psi for 30 minutes. Good test. Drill 12-1/4" hole.

10/09/2014 - 10/10/14

TD @ 4325'. Run 101 joints of 9-5/8", 40#, J-55, LT&C casing. Set @ 4,290'. LEAD CMT: 970 sks (356.0 bbls) EconoCem-HLC + NaCl + additives. TAIL CMT: 260 sks (61.0 bbls) Cemex Premium Plug C + additives. Circulate 136 sks (50 bbls) of cement to surf. Set 9-5/8" pack off and test packing to 5,000 psi. Skid rig to 036H.

11/07/2014 ? 11/08/14

PU and MU two joints of drill pipe with test plug, seat test plug in wellhead with the 2" BV in the open position and filled with fresh water. Commence full body test of BOP stack. Test choke manifold, blind rams, top VBR pipe rams, 2" and 4" valves on BOP stack, blind rams, bottom pipe rams and choke manifold valves, HCR valve and Mathena choke to 250 psi low and 3,000 psi high. Test annular to 250 psi low and 2,500 psi high, good test held 10 minutes each. Test choke manifold, kill line valves, choke line valves, TIW, IBOP, top drive IBOP and mud lines back to mud pumps to 3,000 psi high, 250 psi low. Hold each test 10 minutes. Perform a full accumulator pressure function test. Test 9-5/8" casing to 2,765 psi, 70% of casing burst. Drill 8-3/4" hole.

11/27/2014

TD @ 17,248' MD/10,230' TVD.

11/30/2014 - 12/01/2014

Run 5-1/2" 17# HCP-110 BTC casing. Set @ 17,248'. DV tool @ 5738'. LEAD CMT: 755 sks (308 bbls) Class H cement + additives. TAIL CMT: 2,160 sks (474 bbls) Class H cement + additives. Bump plug. Drop DV tool opening bomb. Circulated 40 bbls of cement to surface. 2nd STAGE LEAD CMT: 315 sks (127 bbls) Class H cement + additives. TAIL CMT - 105 sks (25 bbls) Class H cement + additives

12/02/2014

Release drilling rig.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
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SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0506A
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 2760 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No. NMNM71016X
3b. Phone No. (include area code) Ph: 432-683-2277		8. Well Name and No. POKER LAKE UNIT CVX JV BS 035H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T24S R34E Mer NMP NENW 190FNL 2332FWL		9. API Well No. 30-015-42427
		10. Field and Pool, or Exploratory WC-015 G-06 S243119C; BS
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, LP respectfully submits this sundry notice to report completion operations and first production on the referenced well.

12/12/14
RIH w/WS. DO DV tool and cmt stringers. Test csg to 7500 psi. Lost 100 psi in 15 min. Log CBL 3800' - 9830'. Estimated TOC @ 4118'. RIH w/4-3/4" bit. DO cmt to 17231'.

01/02/2015
DO FS to 17262'. LD WS. RIH w/5-1/2" composite plug to 17228'. SWI

10/28/2015 - 11/04/2015
MIRU. Shoot first cluster perfs. SI for DFIT.

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

**Electronic Submission #330347 verified by the BLM Well Information System
For BOPCO LP, sent to the Carlsbad**

Name (Printed/Typed) TRACIE J CHERRY	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/01/2016

THIS SPACE FOR FEDERAL OR STATE APPROVAL

Pending BLM approvals will subsequently be reviewed and scanned (P)

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 _____

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.

Additional data for EC transaction #330347 that would not fit on the form

32. Additional remarks, continued

11/09/2015
DFIT concluded

11/30/2015 - 12/05/2015
Perf and frac interval 17222' - 10560' (900 holes) using total 138,557 bbls fluid, 10,254,767#
propant over 24 stages. SWI pending drill out

12/18/2015 - 12/20/2015
RU CTU, DO balls and seats

01/09/2016
RIH w/pkr assembly. Set pkr @ 9475'

01/11/2016 - 01/26/2016
MIRU. Install 10K BOP and 5K annular preventer. Test 250 psi low to 4000 psi high (good). Test rams
(good). Load csg w/FW, test csg and production pkr 4000 psi (good). RIH w/gas lift valves on 2-7/8"
tbg. Land tbg, sting into pkr. Install 10K production tree, test to 4500 psi (good). Indication
on/off tool not set. Remove production tree, intall BOP, test (good). POOH w/tbg and GLV. Lost
bands from CTS line. Fish for bands. Re-run BLV and 2-7/8" production tbg. Land tbg and instal
production tree. Rupture disk and begin flowback.

01/27/2016
First oil production

Per APD approved 06/04/2014 there are no plans for interim reclamation of site to allow for
additional drilling from this location.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM0506A	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BOPCO LP		7. Unit or CA Agreement Name and No. NMNM71016X	
3. Address P O BOX 2760 MIDLAND, TX 79702		8. Lease Name and Well No. POKER LAKE UNIT CVX JV BS 035H	
3a. Phone No. (include area code) Ph: 432-683-2277		9. API Well No. 30-015-42427	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T24S R34E Mer NMP At surface NENW 190FNL 2332FWL Sec 19 T24S R34E Mer NMP At top prod interval reported below NENW 920FNL 2053FWL Sec 30 T24S R31E Mer NMP At total depth SENW 2309FNL 1983FWL		10. Field and Pool, or Exploratory WC-015 G-06 S243119C;B.S.	
14. Date Spudded 09/23/2014		15. Date T.D. Reached 11/27/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/26/2016		17. Elevations (DF, KB, RT, GL)* 3498 GL	
18. Total Depth: MD 17248 TVD 10230		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RCBL	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		903		740	217	0	
12.250	9.625 J55	40.0		4290		1230	417	0	
8.750	5.500 HCP110	17.0		17248	5738	3335	934	4118	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	9475	9475						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2ND BONE SPRING	10560	17222	10560 TO 17222		900	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10560 TO 17248	FRAC INTERVAL USING TOTAL 138557 BBLs FLUID, 10254760# PROPANT ACROSS 24 STAGES

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
01/27/2016	02/07/2016	24	→	429.0	746.0	1408.0	45.6	0.74	GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→					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	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

Pending BLM approvals will subsequently be reviewed and scanned *LD*

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

ELECTRONIC SUBMISSION #331313 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	4309	5172	SANDSTONE	RUSTLER	547
CHERRY CANYON	5172	6500	SANDSTONE	SALADO/T. SALT	935
BRUSHY CANYON	6500	8155	SANDSTONE	B. SALT	4060
BONES SPRING	5155		SANDSTONE/LIMESTONE	BELL CANYON	4309
				CHERRY CANYON	5172
				BRUSHY CANYON	6500
				1ST BONE SPR SAND	9095
				2ND BONE SPR SAND	9885

32. Additional remarks (include plugging procedure):

PLEASE HOLD AS CONFIDENTIAL*

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 #331313 Verified by the BLM Well Information System.
For BOPCO L.P. sent to the Carlsbad

Name (please print) TRACIE H CHERRY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/11/2016

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