

AUG 1 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DISTRICT OF ARIZONA
Operator Copy

JUN 24 2019 2nd Copy AB

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. 891000558X	
2. Name of Operator BOPCO LP		8. Lease Name and Well No. JAMES RANCH UNIT D11 169H	
3. Address 6401 HOLIDAY HILL RD BLDG 5 SUITE 200 MIDLAND, TX 79707		9. API Well No. 30-015-42628-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 21 T22S R30E Mer NMP At surface SWNE 1451FNL 1881FEL 32.225099 N Lat, 103.525951 W Lon At top prod interval reported below NENE 25FNL 530FEL At total depth Sec 19 T22S R30E Mer NMP Lot 2 20FNL 2440FWL 32.224611 N Lat, 103.554125 W Lon		10. Field and Pool, or Exploratory QUAHADA RIDGE SE	
14. Date Spudded 10/15/2017		15. Date T.D. Reached 11/10/2017	
16. Date Completed ☐ D & A ☒ Ready to Prod. 04/13/2018		17. Elevations (DF, KB, RT, GL)* 3167 GL	
18. Total Depth: MD 18464 TVD 9569		19. Plug Back T.D.: MD 18461 TVD 9569	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RCBL GR CCL	
22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	534		670		0	
12.250	9.625 L-80	40.0	0	3558		1730		0	
8.500	5.500 CYP-110	17.0	0	18464		2980		0	

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	8440	8440						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING 2ND	9285	9569	10092 TO 18331			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10092 TO 18331	FRAC'D IN 42 STAGES USING A TOTAL OF 42000 GALS OF ACID, 21091881 LBS PROPPANT, AND 17451115 GALS OF

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
05/04/2018	05/20/2018	24	→	719.0	1513.0	2269.0	40.6		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	SI		→	719	1513	2269	2104	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	SI		→						

ACCEPTED FOR RECORD

JUN 23 2018

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #421632 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

Reclamation Due: 10/13/2018

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	Thg. 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	Thg. 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
RUSTLER	194	554		RUSTLER	194
SALADO	554	3268		SALADO	554
LAMAR	3554	3605		LAMAR	3554
BELL CANYON	3605	4502	WATER & OIL	BELL CANYON	3605
CHERRY CANYON	4502	6081	WATER & OIL	CHERRY CANYON	4502
BRUSHY CANYON	6081	7452	WATER & OIL	BRUSHY CANYON	6081
BONE SPRING 1ST	7452	8468	OIL	BONE SPRING 1ST	7452
BONE SPRING 2ND	9285	9569	OIL	BONE SPRING 2ND	9285

32. Additional remarks (include plugging procedure):

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 #421632 Verified by the BLM Well Information System.

For BOPCO LP, sent to the Carlsbad

Committed to AFMSS for processing by DINAH NEGRETE on 06/23/2018 (18DCN0053SE)

Name (please print) TESSA FITZHUGHTitle REG. ANALYST

Signature _____ (Electronic Submission)

Date 05/29/2018

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

JAMES RANCH UNIT DI 1 169H - 3001542628

TOP	TOP MD	BASE MD	TOP TVD	BASE TVD	LITHOLOGY	CONTENTS
RUSTLER	194	554	194	554		
SALADO	554	3268	554	3249		
DELAWARE/LAMAR	3554	3605	3532	3582	LIMESTONE, SHALE	WATER & OIL
BELL CANYON	3605	4502	3582	4463	SANDSTONE, SHALE, LIMESTONE	WATER & OIL
CHERRY CANYON	4502	6081	4463	6015	SANDSTONE, SHALE, LIMESTONE	WATER & OIL
BRUSHY CANYON	6081	7452	6015	7369	SANDSTONE, SHALE, LIMESTONE	WATER & OIL
BONE SPRING	7452	8468	7369	8372	LIMESTONE, SHALE, SANDSTONE	OIL
1ST BONE SPRING	8468	9285	8372	9138	SANDSTONE, LIMESTONE, SHALE	OIL
2ND BONE SPRING	9285		9138		SANDSTONE, LIMESTONE, SHALE	OIL

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-421-28	² Pool Code	³ Pool Name Cibola River SE Bone 2715
⁴ Property Code	⁵ Property Name JAMES RANCH UNIT DI I	
⁷ OGRID No. 460737	⁸ Operator Name BOPCO, L.P.	⁶ Well Number 169H
		⁹ Elevation 3167

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
G	21	22 S	30 E		1,433	NORTH	1,450	EAST	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
N	14	22 S	30 E		9	SOUTH	2,493	WEST	EDDY

¹² Dedicated Acres 2.80	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.

NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM
DATA FURNISHED BY KTO ENERGY

SEC. 16		SEC. 15		SEC. 14	
SEC. 21 SURFACE LOCATION NAD 27 NME Y= 502,574.7 X= 639,393.1 LAT.= 32.380884°N LONG.= 103.881796°W LAST TAKE POINT NAD 27 NME Y= 504,033.3 X= 648,552.4 LAT.= 32.384784°N LONG.= 103.852105°W FIRST TAKE POINT NAD 27 NME Y= 503,983.8 X= 640,317.0 LAT.= 32.384747°N LONG.= 103.878784°W BOTTOM HOLE LOCATION NAD 27 NME Y= 504,035.3 X= 548,885.3 LAT.= 32.384788°N LONG.= 103.851675°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 502,888.1 N, X= 639,503.0 E B - Y= 504,008.2 N, X= 639,499.7 E C - Y= 502,689.8 N, X= 640,843.1 E D - Y= 504,010.0 N, X= 640,839.9 E E - Y= 502,695.6 N, X= 643,517.4 E F - Y= 504,015.2 N, X= 643,515.6 E G - Y= 502,702.0 N, X= 646,192.5 E H - Y= 504,021.4 N, X= 646,192.5 E I - Y= 502,707.8 N, X= 648,873.2 E J - Y= 504,027.2 N, X= 648,874.4 E		SEC. 22 SURFACE LOCATION NAD 83 NME Y= 502,635.0 X= 680,574.9 LAT.= 32.381006°N LONG.= 103.882260°W LAST TAKE POINT NAD 83 NME Y= 504,093.6 X= 689,734.2 LAT.= 32.384906°N LONG.= 103.852589°W FIRST TAKE POINT NAD 83 NME Y= 504,044.1 X= 681,498.7 LAT.= 32.384869°N LONG.= 103.879278°W BOTTOM HOLE LOCATION NAD 83 NME Y= 504,095.6 X= 689,867.1 LAT.= 32.384909°N LONG.= 103.852168°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 502,748.4 N, X= 680,684.8 E B - Y= 504,068.5 N, X= 680,681.4 E C - Y= 502,750.1 N, X= 682,024.9 E D - Y= 504,070.3 N, X= 682,021.6 E E - Y= 502,755.9 N, X= 684,699.2 E F - Y= 504,075.5 N, X= 684,697.5 E G - Y= 502,762.3 N, X= 687,374.3 E H - Y= 504,081.7 N, X= 687,374.2 E I - Y= 502,768.1 N, X= 690,055.0 E J - Y= 504,087.5 N, X= 690,056.2 E		SEC. 23 SURFACE LOCATION NAD 83 NME Y= 502,635.0 X= 680,574.9 LAT.= 32.381006°N LONG.= 103.882260°W LAST TAKE POINT NAD 83 NME Y= 504,093.6 X= 689,734.2 LAT.= 32.384906°N LONG.= 103.852589°W FIRST TAKE POINT NAD 83 NME Y= 504,044.1 X= 681,498.7 LAT.= 32.384869°N LONG.= 103.879278°W BOTTOM HOLE LOCATION NAD 83 NME Y= 504,095.6 X= 689,867.1 LAT.= 32.384909°N LONG.= 103.852168°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 502,748.4 N, X= 680,684.8 E B - Y= 504,068.5 N, X= 680,681.4 E C - Y= 502,750.1 N, X= 682,024.9 E D - Y= 504,070.3 N, X= 682,021.6 E E - Y= 502,755.9 N, X= 684,699.2 E F - Y= 504,075.5 N, X= 684,697.5 E G - Y= 502,762.3 N, X= 687,374.3 E H - Y= 504,081.7 N, X= 687,374.2 E I - Y= 502,768.1 N, X= 690,055.0 E J - Y= 504,087.5 N, X= 690,056.2 E	
17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or an undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well as 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. Signature: <i>[Signature]</i> Date: 5/1/18 Printed Name: <i>[Name]</i> E-mail Address: <i>[Email]</i>				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. 05-17-2018 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> MARK DILLON HARP 23786 PROFESSIONAL SURVEYOR MARK DILLON HARP 23786 Certificate Number AW/AI 2017050643	

RECEIVED

JUN 24 2019

DISTRICT II-ARTESIA O.C.D.