

## NM OIL CONSERVATION

ARTESIA DISTRICT

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

NMOC

Artesia

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM04557

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No. 891000326X		
2. Name of Operator BOPCO LP			8. Lease Name and Well No. BIG EDDY UNIT D14 269H		
3. Address P O BOX 2760 MIDLAND, TX 79702			9. API Well No. 30-015-42638-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 2 358FNL 2058FEL 32.362762 N Lat, 103.532109 W Lon Sec 5 T20S R31E Mer NMP At top prod interval reported below Lot 1 626FNL 1196FEL Sec 4 T20S R31E Mer NMP At total depth Lot 1 653FNL 359FEL			10. Field and Pool, or Exploratory GATUNA CANYON-BONE SPRING		
14. Date Spudded 11/02/2014			15. Date T.D. Reached 02/10/2015		11. Sec., T., R., M., or Block and Survey or Area Sec 5 T20S R31E Mer NMP
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/01/2016			12. County or Parish EDDY		
17. Elevations (DF, KB, RT, GL)* 3470 GL			13. State NM		
18. Total Depth: MD TVD 15668 9139		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) CCL GR CBL			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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
18.125	16.000 J-55	84.0	0	748		400	117	0	
14.750	13.375 HCL-80	68.0	0	2770		670	231	0	
12.250	9.625 HCK-55	40.0	0	4100	2803	1250	372	0	
8.500	5.500 HCP-110	17.0	0	15668	4964	3000	830	907	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8300	8300						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING 2ND	9552	15629	9552 TO 15629	0.420	798	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9552 TO 15629	FRAC DOWN CSG USING TOTAL 139,902 BBLs FLUID, 9,444,916# PROPANT ACROSS 21 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
11/01/2016	11/17/2016	24	→	493.0	491.0	1286.0			OTHER
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	493	491	1286	996	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	
			→						

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

ELECTRONIC SUBMISSION #358424 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

DAVID R. GLASS  
PETROLEUM ENGINEER

RECLAMATION DUE:

MAY 01 2017

ACCEPTED FOR RECORD  
DAVID R. GLASS

FEB 13 2017

## 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
RUSTLER	621	871	ANHYDRITE	RUSTLER	621
SALADO	871	2876	SALT	TOP SALT	871
DELAWARE	4060	4132	SANDSTONE,SILTSTONE,SHALES	BELL CANYON	4132
BELL CANYON	4132	5036	SANDSTONE,SILTSTONE,SHALES	CHERRY CANYON	4758
CHERRY CANYON	5036	5456	SANDSTONE,SILTSTONE,SHALES	BRUSHY CANYON	5152
BRUSHY CANYON	5456	7201	SANDSTONE,SILTSTONE,SHALES	BONE SPRING LIME	6922
BONE SPRING 1ST	8134	9040	SANDSTONE,SILTSTONE,SHALES	BONE SPRING 2ND	8963
BONE SPRING 2ND	9552	15629			

## 32. Additional remarks (include plugging procedure):

\*\*\*HOLD COMPLETION 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 #358424 Verified by the BLM Well Information System.**  
**For BOPCO LP, sent to the Carlsbad**  
**Committed to AFMSS for processing by DEBORAH HAM on 01/27/2017 (17DMH0054SE)**

Name (please print) TRACIE J CHERRYTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/18/2016

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 \*\***