

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 21 2015  
Antesia

Form 3160-4  
(August 2007)

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**

RECEIVED

5. Lease Serial No. NMNM0107697

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. ANTARES 23 FEDERAL 13H

9. API Well No. 30-015-42076

10. Field and Pool, or Exploratory LUSK, BONE SPRING, WEST

11. Sec., T., R., M., or Block and Survey or Area Sec 23 T19S R31E Mer

12. County or Parish EDDY 13. State NM

14. Date Spudded 04/27/2014 15. Date T.D. Reached 06/07/2014 16. Date Completed:  D & A  Ready to Prod. 10/14/2014 17. Elevations (DF, KB, RT, GL)\* 3541 GL

18. Total Depth: MD 13775 TVD 9268 19. Plug Back T.D.: MD 13728 TVD 13728 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON LOG, HIGH RESOLUTION LATEROLOG 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
26.000	20.000 J-55	94.0	0	682		1600		0	21
17.500	13.375 J-55	68.0	0	2602		1981		0	275
12.250	9.625 K-55	40.0	0	4300		5066		0	19
8.750	5.500 HCP-110	17.0	0	13775		3002		0	6

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	8795							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9261	13718	9261 TO 13718		400	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9261 TO 13718	67,878 GALS 15% HCL, 5,266.924 # 30/50 WHITE, 3,897.430 # 40/70 WHITE

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	Well Status
10/14/2014	11/07/2014	24	→	438.0	287.0	1112.0			
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		Well Status
	279	147.0	→				655		

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	Well Status
			→						
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		Well Status
			→						

**ACCEPTED FOR RECORD**

ELECTRIC PUMPING UNIT

JAN 21 2015

*Deborah Han*

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #277765 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

clamation Due  
5/7/15

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
RSTL	647	822	BARREN	RSTL	647
SALT	822	2158	BARREN	SALT	822
SALT BASE	2158	2218	BARREN	SALT BASE	2158
TNSL	2218	2319	BARREN	TNSL	2218
YTES	2319	2522	BARREN	YTES	2319
SVRV	2522	2635	OIL	SVRV	2522
CPTN	2635	3862	OIL	CPTN	2635
QUEN	3862	4217	OIL	QUEN	3862

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

SNDR TOP: 4217 Bottom: 4485 Description: Oil  
DLWR TOP: 4485 Bottom: 4542 Description: Oil  
CYCN TOP: 4542 Bottom: 5008 Description: Oil  
BRCN TOP: 5008 Bottom: 6683 Description: Oil  
BRCL TOP: 6683 Bottom: 6984 Description: Oil  
1BSLM TOP: 6984 Bottom: 8302 Description: Oil

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 #277765 Verified by the BLM Well Information System.  
For DEVON ENERGY PRODUCTION COMPAN, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 01/14/2015 ()**

Name (please print) MEGAN MORAVEC Title REGULATORY ANALYST

Signature (Electronic Submission) Date 11/10/2014

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 #277765 that would not fit on the form**

**32. Additional remarks, continued**

1BSSS TOP: 8302 Bottom: 8548 Description: Oil

2BSLM TOP: 8548 Bottom: 9062 Description: Oil

2BSSS TOP: 9062 Bottom: n/a did not penetrate Description: Oil

DVT @ 2664.4' & 4524.6'.