

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIAN  
MAR 29 2016  
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC029435A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
RAVEN FEDERAL 17H

9. API Well No.  
30-015-40914

10. Field and Pool, or Exploratory  
CEDARLAKE; GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey  
or Area Sec 7 T17S R31E Mer

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3746 GL

14. Date Spudded  
05/11/2015

15. Date T.D. Reached  
05/25/2015

16. Date Completed  
☐ D & A ☐ Ready to Prod.  
12/22/2015

18. Total Depth: MD 8772 TVD 5326

19. Plug Back T.D.: MD 8772 TVD 5329

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CNL/CBL/GR

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	415		400		0	
12.250	9.625 J-55	40.0	0	3512		1400		0	
8.500	7.000 L-80	29.0	0	4900		750		120	

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	5444							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5250	8772	5767 TO 8758			PRODUCING - OPEN HOLE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5767 TO 8758	TOTAL ACID VOLUME = 1,892 BBLs / TOTAL SAND = 2'054,180#

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas:Oil Ratio	Well Status
12/22/2015	01/15/2016	24	→	1027.0	562.0	1450.0		547	POW
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
			→						

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #329067 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Duplicate

Relaminated due: 06/22/2016

ACCEPTED FOR RECORD  
ELECTRIC PUMP SUB-SURFACE  
MAR 21 2016  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

ARS

## 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. Pwpg. 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. Pwpg. 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	327	493	ANHYDRITE, DOLOMITE W	RUSTLER	327
SALADO	493	1400	ANHYDRITE, DOLOMITE W	SALADO	493
TANSIL	1400	1562	ANHYDRITE/SALT/DOLO/SS O/G/W	TANSIL	1400
YATES	1562	1832	SANDSTONE O/G/W	YATES	1562
SEVEN RIVERS	1832	2452	SANDSTONE, DOLO, LIME O/G/W	SEVEN RIVERS	1832
QUEEN	2452	2867	SANDSTONE, DOLO, LIME O/G/W	QUEEN	2452
GRAYBURG	2867	3178	DOLO, LIME, SANDSTONE O/G/W	GRAYBURG	2867
SAN ANDRES	3178	4627	DOLO, LIME, SANDSTONE O/G/W	SAN ANDRES	3178

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

Gloneta 4627 4702 Sandstone O/G/W  
Paddock 4702 5250 Dolomite O/G/W  
Blinebry 5250 TD Dolomite O/G/W

## 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 #329067 Verified by the BLM Well Information System.  
For APACHE CORP, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 03/01/2016 ()

Name (please print) ISABEL HUDSON

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/20/2016

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.

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