

NM OIL CONSERVATION

ARTESIA DISTRICT
OCD Artesia
FEB 13 2015

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 AND LOG

5. Lease Serial No.
 NMLC029426B

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
 APACHE CORPORATION
 Contact: EMILY FOLLIS
 E-Mail: emily.follis@apachecorp.com

8. Lease Name and Well No.
 CROW FEDERAL 20H

3. Address 300 VETERANS AIRPARK LN #3000
 MIDLAND, TX 79707

3a. Phone No. (include area code)
 Ph: 432-818-1801

9. API Well No.
 30-015-41910

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NESE 2310FSL 370FEL
 At top prod interval reported below NESE 2305FSL 370FEL
 At total depth NWSW 2311FSL 331FWL

10. Field and Pool, or Exploratory
 FREN:GLORIETA-YESO<26770>

11. Sec., T., R., M., or Block and Survey
 or Area Sec 10 T17S R31E Mer

12. County or Parish
 EDDY COUNTY

13. State
 NM

14. Date Spudded
 02/28/2014

15. Date T.D. Reached
 03/14/2014

16. Date Completed
 D & A Ready to Prod.
 06/17/2014

17. Elevations (DF, KB, RT, GL)*
 3924 GL

18. Total Depth: MD 10296
 TVD 5836

19. Plug Back T.D.: MD 10296
 TVD

20. Depth Bridge Plug Set: MD
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 CBL-CNL-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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	680		730		0	
11.000	8.625 J-55	32.0	0	3500		1180		0	
7.875	5.500 L-80	17.0	0	10296		1680		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	5039							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) UPPER BLINBERY	6262	9902	6262 TO 9902		560	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6262 TO 9902	FLUID 66538 BBL, 15% HCL 2649, 100 MESH 980,810#, 40/70 WHITE 986,230#,40/70 RC 552,841#

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
06/07/2014	07/02/2014	24	→	75.0	115.0	1779.0	37.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→				1533	POW	

ACCEPTED FOR RECORD
FEB 11 2015
Deborah Han
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

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			→						

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

ELECTRONIC SUBMISSION #285303 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Due: 1/2/15

ABD

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
QUEEN	2834	3616	SILTSTONE	QUEEN	2834
SAN ANDRES	3616	5108	DOLOMITE, CHERT	SAN ANDRES	3616
GLORIETA	5108	5191	DOLOMITE SANDSTONE	GLORIETA	5108
PADDOCK	5191	5767	DOLOMITE	PADDOCK	5191
BLINEBRY	5767		DOLOMITE,SILTSTONE,SANDSTONE	BLINEBRY	5767

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 #285303 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/29/2015 ()

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST I

Signature _____ (Electronic Submission)

Date 12/16/2014

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 ****