

Corrected 2/2/15 emailed to Debra Ham
FEB 13 2015 RECEIVED
E. BLM -

OCD Artesia

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 19H

3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

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

9. API Well No.
30-015-41909

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 10 T17S R31E Mer
At surface NESE 2280FSL 370FEL
At top prod interval reported below
At total depth **2274FSL 347FWL**

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
02/13/2014

15. Date T.D. Reached
02/28/2014

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

17. Elevations (DF, KB, RT, GL)*
3926 GL

18. Total Depth: MD 9813 TVD 5339

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)
SECTOR BOND GR/CCL:CNCR/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 Cemen- ter Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	875	675		730	189	0	
11.000	8.625 J-55	32.0	3500	3570		1270	382	0	
7.875	5.500 L-80	17.0	9813	9813		1530	442	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	4553							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Glorieta-yeso	5108	5191	5172-9630	0.450	560	PRODUCING
B)						
C)						
D)						

Revised per Debra Ham 2/2/15 phone.

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

Depth Interval	Amount and Type of Material
5772 TO 9630	69038 BBL FLUID;2574 BBL ACID; 2,480,208 # PROPPANT

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
06/17/2014	07/29/2014	24	→	478.0	343.0	2075.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	478	343	2070	718	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	
			→						

ACCEPTED FOR RECORD
FEB 10 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #286516 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

Reclamation ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **
Due: 2/29/15

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
QUEEN	2834	3616	SILSTONE, SANDSTONE, ANHYDRITE DOLOMITE, SANDSTONE DOLOMITE, SANDSTONE DOLOMITE	QUEEN	2834
SAN ANDRES	3616	5108		SAN ANDRES	3616
GLORIETA	5108	5191		GLORIETA	5108
PADDOCK	5191			PADDOCK	5191

32. Additional remarks (include plugging procedure):

LOGS TO OCD 11-17-2014
*RUN 1" & TAGGED CMT @54: CONTACTED blm & GIVEN PERMISSION TO 1" CMT'D W/ 62 SX CC
CIRCULATING CMT TO SURFACE.

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 #286516 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/30/2015 ()**

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST I

Signature _____ (Electronic Submission)

Date 12/30/2014

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.

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