

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

APR 01 2019

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Dease Serial No.  
NMLC060325

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. NMNM135686X		
2. Name of Operator APACHE CORPORATION			Contact: ALICIA FULTON E-Mail: ALICIA.FULTON@APACHECORP.COM		
3. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432.818.1088		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 33 T16S R30E Mer NMP At surface SWNE 2315FNL 1955FEL 32.878929 N Lat, 103.974731 W Lon Sec 33 T16S R30E Mer NMP At top prod interval reported below NWSE 2489FSL 1934FEL Sec 4 T17S R30E Mer NMP At total depth SWSE 330FSL 2160FEL			8. Lease Name and Well No. THUNDERBIRD DEVELOPMENT UNIT 5H		
14. Date Spudded 10/18/2017			15. Date T.D. Reached 08/01/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/03/2018			9. API Well No. 30-015-44436-00-S1		
18. Total Depth: MD 12285 TVD 4658			19. Plug Back T.D.: MD 12007 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory LOCO HILLS-GLORIETA-YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) OTH			11. Sec., T., R., M., or Block and Survey or Area Sec 33 T16S R30E Mer NMP		
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)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)*			16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/03/2018		

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		0	424		450		0	
12.250	9.625		0	3214		1400		0	
8.500	7.000		0	4048		1220		0	
8.500	5.500		4048	12280		0			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4333							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FUSSELMAN	4854	12007	4854 TO 12007			PRODUCING - YESO
B) YESO	4854	12007				
C)						
D)						

Depth Interval	Amount and Type of Material
4854 TO 12007	W/TBLTR=112,422BBL PROPANT TOTAL 100 MESH=2,556,980LBS, 40/70=1,279,480LBS 40/70RC=1,272,525LBS

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/04/2018	12/15/2018	24	→	327.0	333.0	1853.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	327	333	1853	1018	POW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/04/2018	12/15/2018	24	→	327.0	333.0	1853.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	327	333	1853		POW	

ACCEPTED FOR RECORD

MAR 8 2019

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #451558 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due 06-04-2019

## 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.)  
CAPTURED

## 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	405	532	ANHYDRITE, DOLOMITE		
SALADO	532	1185	ANHYDRITE, DOLOMITE		
TANSILL	1185	1347	ANHYDRITE, SALT, DOLOMITE, AND		
YATES	1347	1607	SANDSTONE		
SEVEN RIVERS	1607	2206	SANDSTONE, DOLOMITE, AND LIME		
QUEEN	2206	2636	SANDSTONE, DOLOMITE, AND LIME		
GRAYBURG	2636	2952	SANDSTONE, DOLOMITE, AND LIME		
SAN ANDRES	2952	4387	SANDSTONE, DOLOMITE, AND LIME		

32. Additional remarks (include plugging procedure):  
5 1/2 casing is OH packer assembly

glorieta 4387-4444  
paddock 4444-TD

## 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 #451558 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 02/07/2019 (19DMH0046SE)

Name (please print) ALICIA FULTONTitle SR. REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 01/23/2019

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 \*\* REVISED \*\***