

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCD Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAY 20 2013

5. Lease Serial No.
NMNM 01135

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
Apache Corporation (873)

3. Address 303 Veterans Airpark Ln., Ste. 3000
Midland, TX 79705

3a. Phone No. (include area code)
(432) 818-1015

8. Lease Name and Well No.
Lusk 34 Federal #1H (39355)

9. API Well No.
30-025-40797

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
SL: 490' FNL & 360' FWL UL:D Sec:34 T:19S R:32E
At surface

At top prod. interval reported below

At total depth BHL: 290' FNL & 873' FWL 497' W & 693' W

10. Field and Pool or Exploratory

11. Sec., T., R., M., on Block and Survey or Area UL:D Sec:34 T:19S R:32E

12. County or Parish
Lea

13. State
NM

14. Date Spudded
10/27/2012

15. Date T.D. Reached
12/13/2012

16. Date Completed
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3561' GL

18. Total Depth: MD 13,807'
TVD 9,498'

19. Plug Back T.D.: MD 13,734'
TVD 9,495'

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN/BHC/Hi-Res LL/CAL

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
36"	20"	106.5#		1010'		1650 sx C&H		Surface	
17-1/2"	13-3/8"	68#		3136'		1985 sx C&H		Surface	
12-1/4"	9-5/8"	36#		4500'		1100 sx Class C		Surface	
7-7/8"	5-1/2"	17#		13,787'		1875 sx Class C			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	9102'	9102'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Springs	7441'		9,889'-13,682'	5 SPF	495	Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9,889'-13,682'	3828 bbl 15# XL, 2,091,111# sand, 2720 bbl acid, 701 bbl 10# linear gel

**RECLAMATION
DUE 8-22-13**

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
02/22/13	04/22/13	24	→	203	305	187	37.6		Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				1502	Producing	

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

MAY 15 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*(See instructions and spaces for additional data on page 2)

JUN 19 2013

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 (Solid, 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

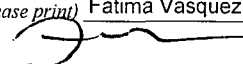
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Rustler Salt	920' 1388'
				B/Salt Yates	2640' 2772'
				Capitan Reef Delaware	3194' 4369'
				Bone Springs 1st BSPG Sand	7441' 8593'
				2nd BSPG Sand	9165'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: OCD Forms C-102, C-104, Frac Disclosure

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Fatima Vasquez Title Regulatory Tech I
 Signature  Date 04/24/2013

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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	2013-01-28
State:	New Mexico
County:	Lea
API Number:	30-025-40797
Operator Name:	APACHE CORP
Well Name and Number:	Lusk 34 Federal 1H
Longitude:	-103.761
Latitude:	32.623
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	8,220
Total Water Volume (gal)*:	2,683,980

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100.00%	8.44297%	
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100.00%	72.54385%	
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100.00%	16.74522%	
			Hexamethylenetetramine	100-97-0	2.00%	0.33490%	
			Phenol / formaldehyde resin	9003-35-4	5.00%	0.83726%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10.00%	0.01078%	
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50.00%	0.13405%	
FDP-S1007-11	Halliburton	Surfactant	Citrus, extract	94266-47-4	10.00%	0.06519%	
			Isopropanol	67-63-0	30.00%	0.19557%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30.00%	0.00971%	
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30.00%	0.25931%	
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30.00%	0.01973%	
			Monoethanolamine borate	26038-87-9	100.00%	0.06577%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100.00%	0.21056%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100.00%	0.00281%	
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100.00%	0.05277%	
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30.00%	0.00345%	
			Walnut hulls	Mixture	100.00%	0.01149%	
Ingredients Listed Below This Line Are Part of the Fluid Composition Provided by Halliburton Which Do Not Appear On the Material Safety Data Sheets (MSDS)							
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azol - trisodium salt	915-67-3			
			Alcohols, C12-16, ethoxylated	68551-12-2			
			Amine Salts	Confidential Business Information			
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			Ammonium chloride	12125-02-9			
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4			
			C.I. Pigment Red 5	6410-41-9			
			Crystalline Silica, Quartz	14808-60-7			
			Cured Acrylic Resin	Confidential Business Information			
			Cured Acrylic Resin	Confidential Business Information			
			Enzyme	Confidential Business Information			
			Polyacrylamide Copolymer	Confidential Business Information			
			Quaternary Amine	Confidential Business Information			
			Quaternary Amine	Confidential Business Information			
			Quaternary Amine	Confidential Business Information			
			Silica gel	112926-00-8			
			Sodium Chloride	7647-14-5			
			Sodium sulfate	7757-82-6			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8			
			Surfactant Mixture	Confidential Business Information			

			Surfactant Mixture	Confidential Business Information		
			Tall oil acid diethanolamide	68155-20-4		
			Water	7732-18-5		

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

v2.0

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.