

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well: Oil Well Gas Well Dry Other
 2. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
 Other: _____
 3. Name of Operator: Apache Corporation (873)
 4. Address: 303 Veterans Airpark Ln., Ste. 3000 Midland, TX 79705
 3a. Phone No. (include area code): (432) 818-1015
 5. Lease Serial No.: NMLC-028775B
 6. If Indian, Allottee or Tribe Name: _____
 7. Unit or CA Agreement Name and No.: _____
 8. Lease Name and Well No.: Barnsdall Federal #16 (308705)
 9. API Well No.: 30-015-41245 **SI**

10. Field and Pool or Exploratory: Bear Grass Draw; Glorieta-Yeso (97534)
 11. Sec., T., R., M., on Block and Survey or Area: UL:B Sec:27 T:17S R:29E
 12. County or Parish: Eddy
 13. State: NM
 At surface 330' FNL & 2310' FEL UL:B Sec:27 T:17S R:29E
 At top prod. interval reported below
 At total depth

14. Date Spudded: 11/05/2014
 15. Date T.D. Reached: 01/26/2014
 16. Date Completed: D & A Ready to Prod.
 17. Elevations (DF, RKB, RT, GL)*: 3552' GL
 18. Total Depth: MD 6105' TVD
 19. Plug Back T.D.: MD 6100' TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): OR/Hi-Res LL/BHCS-SGR/BHPL/SGR
 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

3. 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
7-1/2"	13-3/8" H-40	48#		165'		360 sx C & Thix		0	
7-1"	8-5/8" J-55	32#		783'		330 sx Class C		0	
7-7/8"	5-1/2" J-55	17#		6105'		810 sx Class C		0	

4. 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"	5750'							

5. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
) Glorieta	3918'		4133'-4949'	1 SPF	24	Producing
) Yeso	3982'		5020'-5652'	1 SPF	24	Producing
) Blinebry	4523'					
) Tubb	5543'					

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

Depth Interval	Amount and Type of Material
133'-4949'	202,482 gals 20#, 256,271# sand, 3498 gals acid, 4872 gals gel
020'-5652'	182,532 gals 20#, 224,033# sand, 4626 gals acid, 4536 gals gel

3. 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
03/04/14	04/02/14	24	→	41	385	305	39.3		Pump
Flow Rate	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Producing
			→				9390		

3a. 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
			→						
Flow Rate	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD
 JUN 28 2014
[Signature]
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

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

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
				Yates Seven Rivers	856' 1125'
				Bowers-SD Queen	1507' 1740'
				Grayburg San Andres	2124' 2447'
				Glorieta Paddock	3918' 3982'
				Yeso Blinebry	3982' 4523'
				Tubb	5543'

32. Additional remarks (include plugging procedure):

oqs mailed 04/01/2014.

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 Analyst II
 Signature [Signature] Date 04/21/2014

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.