

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
N.M. Oil Cons. Division
4625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
OMB NO. 1004-1037
Expires: November 30, 2000

1a. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMLC032096A							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Apache Corporation		7. Unit or CA Agreement Name and No.							
3. Address 6120 South Yale, Suite 1500 Tulsa, OK 74136-4224		8. Lease Name and Well No. Lockhart A-17 #8							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1480' FSL, 330' FWL Sec. 17, T21S-R37E - NW/4, SW/4 (Unit L) At top prod. interval reported below At total depth		9. API Well No. 30-025-36160 0051							
14. Date Spudded 2/28/2003		10. Field and Pool, or Exploratory Penrose Skelly, Grayburg							
15. Date T.D. Reached 3/4/2003		11. Sec., T., R., M., or Block and Survey or Area Sec. 17, T21S-R37E							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Produce 03/27/03		12. County or Parish Lea							
17. Elevations (DF, RKB, RT, GL) * 3491' GL		13. State NM							
18. Total Depth: MD 4000' TVD		19. Plug Back T.D.: MD 3984' TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL-MLL-GR, CZD-CNL-GR							
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 report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8	24#	0	410		325 CL 'C'	78	Surf	
7-7/8	5-1/2	17#	0	4000		700 CL 'C'	252	Surf	
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	3948'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
Grayburg	3665		3864-3930	4"	74	-12 Producing			
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
3864-3930	Acidized w/ 3000 gals 15% HCL Frac'd w/ 38,000 gals gel & 80,000# 20/40 sand								
28. Production - Interval A									
Date First Produced 3/27/03	Test Date 4/28/2003	Hours Tested 24	Test Production →	Oil BBL 3	Gas MCF 290	Water BBL 302	Oil Gravity Corr. API 32.3	Gas Gravity	Production Method Pumping
Choke Size	Pressure Flwg. SI	Casing Pressure	24 Hour Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio 96667	Well Status	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	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

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

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
MAY 8 2003
DAVID R. GLASS
PETROLEUM ENGINEER

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	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour 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	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour 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 Measured Depth
Rustler	1235				
Yates	2603				
Seven Rivers	2864				
Queen	3394				
Grayburg	3665				
San Andres	3960				

32. Additional remarks (include plugging procedure):

ELF 5/7/03

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED



33. Mark enclosed attachments:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice / Plugging / Cement Verification
 ☐ Core Analysis
☒ Other Deviation Report

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) Kara CodayTitle Sr. Engineering TechnicianSignature Kara CodayDate 4/29/2003

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 fraudulent statements or representations as to any matter within its jurisdiction.