New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: NMLC032096A

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion: ☑ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. ☐ Other

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

8. Lease Name and Well No.: Lockhart A-17 # 9

2. Name of Operator: Apache Corporation

9. API Well No.: 30-025-36661 0051

3. Address: 6120 South Yale, Suite 1500 Tulsa, Oklahoma 74136

3a. Phone No. *(include area code)*: 918-491-4957

10. Field and Pool, or Exploratory: Penrose Skelly; Grayburg

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 110' FNL & 80' FEL, Unit A

At top prod. interval reported below

At total depth

11. Sec., T., R., M., or Block and Survey or Area: Sec. 17, T-21S, R-37E

12. County or Parish: Lea

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL) *
06/11/04	06/17/04	☐ D & A ☑ Ready to Produce 06/21/04	3497' GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 4350'	MD 4302'	MD
TVD	TVD	TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CSL, SD/DSN

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8	~~36#~~ 24	0	405		325	78	Circ.	
7-7/8	5-1/2	17#	~~4400~~ 0	4350		1000	362	CBL	

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	4073							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Grayburg	3807-3994		3807-3994	4"	26	Producing

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

Depth Interval	Amount and Type of Material
3807-3994	Acidize w/ 3500 gals 15% HCL
3807-3994	Frac w/ 28,854 gals gel & 100,000# 20/40 sand

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
6/21/04	7/20/2004	24	→	56	159	160	37.5		Pumping

Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
			→				2839	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
AUG 3 2004
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	1283
				Yates	2685
				Seven Rivers	2901
				Queen	3449
				Grayburg	3735
				San Andres	4004

32. Additional remarks (include plugging procedure):

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 C-104 & 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 Coday Title Sr. Engineering Technician

Signature Kara Coday Date 7/23/2004

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.