

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.

NM-90161

1a. Type of Well:

☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion:

☐ New Well ☐ Workover ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
☐ Other Grayburg

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Hawk B-1 #36

9. API Well No.

30-025-36530 **0092**

10. Field and Pool, or Exploratory

Penrose Skelly, Grayburg

11. Sec., T., R., M., or Block and Survey or Area

Sec. 9, T-21S, R37E

12. County or Parish

Lea Co.

13. State

NM

2. Name of Operator

Apache Corporation

3. Address

6120 S. Yale, Suite 1500, Tulsa, OK 74136

3a. Phone No. (include area code)

918-491-4957

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

At surface

1310' FSL, 1310' FEL, Unit P (SE/4, SE/4)

At top prod. interval reported below

At total depth

14. Date Spudded

2/3/2004

15. Date T.D. Reached

2/10/2004

16. Date Completed

☐ D & A

☒ Ready to Produce

06/08/04

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

3478' GL

18. Total Depth:

MD

4743'

19. Plug Back T.D.:

MD

4080'

20. Depth Bridge Plug Set:

MD

TVD

TVD

TVD

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

CSL, DSN-SDL

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8	24#	0	443'		375	90	Ci to surf	
7-7/8	5-1/2	17#	0	4740'		1000	92	Ci to 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	4034'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
Grayburg	3817		3817 - 3996	4"	20	Producing

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

Depth Interval	Amount and Type of Material
4108-55	Acidized w/ 3000 gals HCL
4080'	RBP
3817-3996	Acidized w/ 2000 gals HCL
3817-3996	Frac'd w/ 48762 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
6/8/04	7/2/2004	24	→	75	162	122	38.8		Pumping
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→				2160		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	
			→						

ACCEPTED FOR RECORD

(ORIGINAL) DAVID R. GLASS

JUL 27 2004

DAVID R. GLASS
PETROLEUM ENGINEER

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

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	1288
				Yates	2652
				Seven Rivers	2870
				Queen	3449
				Grayburg	3735
				San Andres	4002

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 NM-OCD C-104

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 CodyTitle Sr. Engineering TechSignature Kara CodyDate 7/16/2004