

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-104  
Revised June 1, 2000

OIL CONSERVATION DIVISION  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address APACHE CORPORATION 6120 S YALE, SUITE 1500 TULSA, OK 74136		OGRID Number 000873
API Number 30-025-36664		Reason for Filing Code / Effective Date NW-6/3/04
Pool Name Penrose Skelly Grayburg	Pool Code 50350	
Property Code 24427	Property Name Hawk B-1	Well Number 41

II. Surface Location

Ul or lot no. K	Section 9	Township 21S	Range 37E	Lot. Idn	Feet from the 2590	North/South line South	Feet from the 2630	East/West line West	County Lea
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Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lse Code F	Producing Method Code P	Gas Connection Date 6/3/2004	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
037480	EOTT ENERGY PIPELINE LP P O BOX 4666 HOUSTON, TX 77210-4666	0768710	O	K, Sec. 9, T21S, R37E
024650	DYNEGY MIDSTREAM SERVICES 1000 LOUISIANA, SUITE 5800 HOUSTON, TX 77002	0768730	G	K, Sec. 9, T21S, R37E

IV. Produced Water

POD 0768750	POD ULSTR Location and Description K, Sec. 9, T21S, R37E
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V. Well Completion Data

Spud Date 5/13/2004	Ready Date 6/3/2004	TD 4350'	PBTD 4350	Perforations 3816-3996	DHC, MC
Hole Size 12-1/4	Casing & Tubing Size 8-5/8	Depth Set 400	325 sx / circ to surface		
	5-1/2	4350	1100 sx / circ to surface		
	2-7/8	4047'			

VI. Well Test Data

Date New Oil 6/3/04	Gas Delivery Date 6/3/04	Test Date 6/29/2004	Test Length 24	Tbg. Pressure	Csg. Pressure
Choke Size 80	Oil	Water 55	Gas 196	AOF	Test Method Pumping

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Kara Coday*  
Printed Name: Kara Coday  
Title: Sr. Engineering Technician  
Date: 7/2/2004 Phone: (918) 491-4957

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

PETROLEUM ENGINEER

SEP 01 2004

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature:

Printed Name

Title

Date

**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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Hawk B-1 #41

9. API Well No.

30-025-36664

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

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

3487' GL

1a. Type of Well:

☒ Oil Well      ☐ Gas Well      ☐ Dry      ☐ Other

b. Type of Completion:

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

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 2590' FSL, 2630' FWL, Unit K (NE/4, SW/4)

At top prod. interval reported below

At total depth

14. Date Spudded

5/13/2004

15. Date T.D. Reached

5/22/2004

16. Date Completed

☐ D & A

☒ Ready to Produce

06/03/04

18. Total Depth:

MD

4350'

TVD

19. Plug Back T.D.:

MD

4350

TVD

20. Depth Bridge Plug Set:

MD

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	400		325	78	Ci to surf	
7-7/8	5-1/2	17#	0	4350		1100	396	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	4047'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
Grayburg	3739		3816-3996	4"	26	Producing

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

Depth Interval	Amount and Type of Material
3982-3996	Acidize w/ 1000 gals 15% NEFE
3904-3919	Acidize w/ 1000 gals 15% NEFE
3816-3822	Acidize w/ 500 gals 15% NEFE
3816-3996	Frac w/ 46,544 gals gel & 94,000# 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
6/3/04	6/29/2004	24	→	80	196	55	38.8		Pumping
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→				2450		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	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

ACCEPTED FOR RECORD  
JUL 16 2004  
GARY GOURLEY  
PETROLEUM ENGINEER

KZ

## 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	1291
				Yates	2666
				Seven Rivers	2877
				Queen	3442
				Grayburg	3739
				San Andres	4003

## 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 Deviation Rpt/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 Coday

Title Sr. Engineering Tech

Signature

Kara Coday

Date

7/2/2004

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.