

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator  
Apache Corporation

3. Address  
6120 S Yale Ave, Suite 1500 Tulsa OK 74136-4224

3.a Phone No. (Include area code)  
(918)491-4864

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

At Surface 1330' FNL & 1495' FWL (SE1/4 NW1/4), Unit F, Sec 9, T21S, R37E

At top prod. interval reported below

At total depth

14. Date Spudded

01/11/2007

15. Date T.D. Reached

01/17/2007

16. Date Completed

☐ D & A ☒ Ready to Prod.  
02/09/2007

5. Lease Serial No.

NMNM-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 43

9. API Well No.

30-025-38173

10. Field and Pool, or Exploratory

Penrose Skelly; Grayburg

11. Sec., T., R., M., on Block and  
Survey or Area Sec 9, T21S, R37E

12. County or Parish

Lea

13. State

New Mexico

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

3499' GL

18. Total Depth: MD 4395'  
TVD

19. Plug Back T.D.: MD 4355'  
TVD

20. Depth Bridge Plug Set: MD 4125'  
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
DLL/MG, SD/DSN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11"	8-5/8"	24#	0'	4391'		300 Class C	72	0' circ	
7-7/8"	5-1/5"	17#	0'	4395'		850 Class C	299	0' circ	

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"	4089'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Grayburg	3782'		3824' - 4038'		82	Producing
B) San Andres	4045'		4150' - 4188'		77	Plugged Back
C)						
D)						

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

Depth Interval	Amount and Type of Material
3824' - 4038'	Acidize with 3000 gals 15% NEFE. Frac with 47K gals gel & 100K # 20/40 sand.
4150' - 4188'	Acidize with 3000 gals 15% NEFE.

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
02/09/07	03/03/07	24	→	96	453	283	35.6		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→				4719	Producing	

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	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD  
MAR 12 2007  
FREDERICK WRIGHT  
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	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 (Sold, used for fuel, vented, etc.)

Sold

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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
Rustler	1308				
Yates	2695				
Seven Rivers	2908				
Queen	3465				
Grayburg	3782				
San Andres	4043				

## 32. Additional remarks (include plugging procedure):

GRAYBURG 3824-30, 3914-20, 34-40, 56-64, 3994-4000, 4032-38 2 JSPF  
 SAN ANDRES 4150-4188 2 JSPF (CIBP @ 4125 w/ 2 sx cmt)

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ Geological Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
☐ Core Analysis   
☐ Other

## 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) Sophie Mackay Title Engineering Tech

Signature *Sophie Mackay* Date 03/05/2007

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.