

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

N.M. C.. Cons. Division  
1625 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		6. If Indian, Allottee or Tribe Name							
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		7. Unit or CA Agreement Name and No.							
2. Name of Operator Apache Corporation		8. Lease Name and Well No. Hawk A #13							
3. Address 6120 S. Yale, Suite 1500, Tulsa, OK 74136		9. API Well No. 30-025-35873							
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: 850' FNL & 2310' FEL (NW/4, NE/4) Unit B  At top prod. interval reported below:  At total depth:		11. Sec., T., R., M., or Block and Survey or Area Sec. 8, T-21S, R37E							
14. Date Spudded 6/09/02		15. Date T.D. Reached 6/17/02							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Produce 06/25/02		17. Elevations (DF, RKB, RT, GL) * 3518' GL							
18. Total Depth: MD 4200' TVD		19. Plug Back T.D.: MD 4152 TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN/SGR/CCL, SD/DSN/SG, DL/MG							
22. Was well cored? <input type="checkbox"/> No <input checked="" 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	405		350	84	Surf	
7-7/8	5-1/2	17#	0	4200		1075	439	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	4007								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
Grayburg	3770		3820-3992'	4"	138	Producing			
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
3820-3992'	Acidized w/ 3500 gals 15% HCL								
	Frac w/ 39,000 gals gel & 68,000# 16/30 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
7/12/02	7/7/2002	24	→	42	82	241	36		Pumping
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→				1952	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

JUL 24 2002

GARY GORLEY  
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	1322
				Yates	2687
				Seven Rivers	2943
				Queen	3492
				Grayburg	3770
				San Andres	4058

## 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, Core Analysis

## 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 Tech

Signature

Kara Coday

Date

7/19/2002