

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

N.M. Oil 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 B-1 #21							
3. Address 6120 S. Yale, Suite 1500, Tulsa, OK 74136		9. API Well No. 30-025-35877							
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 1980' FSL & 865' FEL (NE/4 SE/4) Unit I		11. Sec., T., R., M., or Block and Survey or Area Sec. 8, T-21S, R37E							
At top prod. interval reported below		12. County or Parish Lea Co.							
At total depth		13. State NM							
14. Date Spudded 04/25/02	15. Date T.D. Reached 5/1/2002	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Produce 05/10/02	17. Elevations (DF, RKB, RT, GL) * 3533' GL						
18. Total Depth. MD 4212' TVD	19. Plug Back T.D.: MD 4165' TVD	20. Depth Bridge Plug Set: MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CPNL		22. Was well cored? <input checked="" type="checkbox"/> No <input 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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4	8-5/8	24#	0	407'		350	84	Ci to surf	
7-7/8	5-1/2	17#	0	4212'		1350	438	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	4098'								
25. Producing Intervals				26. Perforation Record					
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
Grayburg	3755'		3810-4058'	4"	272	Producing			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc									
Depth Interval	Amount and Type of Material								
3810-4058'	Acidized w/ 7000 gals 15% HCL								
	Frac w/ 40,992 gals gel & 80,000# 12/20 sand								
28. Production - Interval A									
Date First Produced 5/10/02	Test Date 6/3/2002	Hours Tested 24	Test Production →	Oil BBL 62	Gas MCF 220	Water BBL 180	Oil Gravity Corr. API 38.8	Gas Gravity	Production Method Pumping
Choke Size	Tubing Pressure Flwg SI	Casing Pressure	24 Hour Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio 3548	Well Status	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
JUN 11 2002
GARY GOURLEY
PEOPLE 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 (Solid, 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	1321
				Yates	2702
				Seven Rivers	2953
				Queen	3496
				Grayburg	3755
				San Andres	4097

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 CodayTitle Sr. Engineering TechSignature Kara CodayDate 6/4/2002