

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. <input checked="" type="checkbox"/> Other <u>Re-Entry of P&A'd Wellbore</u>						6. If Indian, Allottee or Tribe Name			
2. Name of Operator Apache Corporation						7. Unit or CA Agreement Name and No.			
3. Address 2000 Post Oak Blvd, Ste. 100, Houston, Texas 77056-4400				3a. Phone No. (include area code) 713-296-6000		8. Lease Name and Well No. Hawk B-3 # 9			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1650' FSL & 1650' FEL, Unit R At top prod. interval reported below At total depth						9. API Well No. 30-025-06501 S2			
10. Field and Pool, or Exploratory Penrose Skelly; Grayburg						11. Sec., T., R., M., or Block and Survey or Area Sec. 4, T-21S, R-37E			
12. County or Parish Lea						13. State NM			
14. Date Spudded 07/25/01		15. Date T.D. Reached 07/30/01		16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Produce 08/07/01		17. Elevations (DF, RKB, RT, GL) * 3423' GL			
18. Total Depth: MD 8070' TVD 8070'		19. Plug Back T.D.: MD 5583' TVD 5583'		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR-CNL / Cement Bond Log				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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-3/4	10-3/4	32#	0	266		250	N/A	Surface	
8-3/4	7-5/8	26#	0	3154		1335	N/A	Surface	
6-3/4	5-1/2	15.5#	0	8069		680	N/A	3142' (CBL)	
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	4043								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
Grayburg			3884 - 4004	4"	306	Producing			
Tubb (Abandoned)			6220 - 6345	N/A	N/A	P&A			
Ellenburger (Abandoned)			7948 - 8038	N/A	N/A	P&A			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
310 - 325	Cement squeezed w/ 50 sx Class "C"								
3884 - 4004	Acidize w/ 4500 gals 15% HCL / Frac w/ 26500 gals gel & 50240# 16/30 sand								
6220 - 6345	Cement squeezed w/ 60 sx - CIBC @ 6160' w/ 12 sx cement - Cement plug 5583 - 5784 w/ 23 sx								
7948 - 8038	CIBC @ 7515' w/ 3 sx cement								
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
8/7/01	8/23/2001	24	→	109	132	142	34		Pumping
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→				1211	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
AUG 30 2001
ALEXIS C. SWOBODA
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	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

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-C104 / Cement Bond Log

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) Debra J. AndersonTitle Sr. Engineering TechnicianSignature Debra J. AndersonDate 8/24/2001