

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

5. Lease Serial No.
NM-90161

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 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	6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. 8. Lease Name and Well No. Hawk B-1 # 19 9. API Well No. 30-025-35796
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2. Name of Operator Apache Corporation 3. Address 2000 Post Oak Blvd, Ste. 100, Houston, Texas 77056-4400 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 660' FSL & 425' FWL (SW1/4SW1/4), Unit M At top prod. interval reported below At total depth	3a. Phone No. (include area code) 713-296-6000 10. Field and Pool, or Exploratory Penrose Skelly, Grayburg 11. Sec., T., R., M., or Block and Survey or Area Sec. 9, T-21S, R-37E 12. County or Parish Lea County 13. State NM
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14. Date Spudded 03/02/02	15. Date T.D. Reached 03/07/02	16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Produce 03/19/02	17. Elevations (DF, RKB, RT, GL) * 3515 GL
18. Total Depth: MD 4200 TVD	19. Plug Back T.D.: MD 4095 TVD	20. Depth Bridge Plug Set: MD TVD	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR-CNL / GR-DLL	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)
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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
12-1/4	8-5/8	24#	0	406		350	473 (cu ft)	Surface	
7-7/8	5-1/2	17#	0	4200		1050	1882 (cu ft)	Surface	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8	4052							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
Grayburg			3821 - 4034	4"	348	Producing

Depth Interval	Amount and Type of Material
3821 - 4034	Acidize w/ 4500 gals 15% HCL
	Frac w/ 49980 gals gel & 100,440# 12/20 sand

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/19/02	03/25/02	24	→	61	280	300	37.5		Pumping
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
							4590	Producing	

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	
			→						

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	1310
				Yates	2680
				Queen	3488
				Grayburg	3745
				San Andres	4052

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 Report / NM DCD 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) Debra J. Anderson

Title Sr. Engineering Technician

Signature

Date

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.