

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

LEASE ASSIGNMENT AND SERIAL NO.  
N.M. 025488

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ JAN 21 1987

2. NAME OF OPERATOR  
Geo Engineering, Inc. BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

3. ADDRESS OF OPERATOR  
Box 1417 Socorro, New Mexico 87801

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1322 FNL 609 FEL

At top prod. interval reported below

At total depth 1134

14. PERMIT NO. DATE ISSUED  
1 22 86

12. COUNTY OR PARISH  
McKinley 13. STATE  
N.M.

15. DATE SPUDDED 7 3 86 16. DATE T.D. REACHED 8 15 86 17. DATE COMPL. (Ready to prod.) 9 25 86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6461 GR 19. ELEV. CASINGHEAD 6461.5

20. TOTAL DEPTH, MD & TVD 1134 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 1053 to 1057 and 1072 to 1075 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
SP Rest, Formation Den and EPT /ML 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)						AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		
7"	10.5	100	10"	15 ft <sup>3</sup>		
4 1/2"	10 1/2	998 998	6 1/4"	133 ft <sup>3</sup>		

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		N/A			2 3/8		

31. PERFORATION RECORD (Interval, size and number)  
1053 to 1057 and 1072 to 1075  
two shots per foot 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) FEB 05 1987

33.\* PRODUCTION  
DATE FIRST PRODUCTION 12 15 86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump  
DATE OF TEST 12 15 86 HOURS TESTED 24 CHOKE SIZE 2" PROD'N. FOR TEST PERIOD 15 OIL—BBL. 15 GAS—MCF. 0 WATER—BBL. 2 GAS-OIL RATIO N/A  
FLOW. TUBING PRESS. 0 CASING PRESSURE 0 CALCULATED 24-HOUR RATE 15 GAS—MCF. 0 WATER—BBL. 2 OIL GRAVITY-API (CORR.) 38

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A TEST WITNESSED BY Jim Law  
ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS  
Well logs and sundry report 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED James R. Wood TITLE Project Geologist DATE FEB 10 1987  
FARMINGTON RESOURCE AREA

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				NAME	MEAS. DEPTH
MENEFEЕ MV	surface		surface through 139 feet sands consisted of medium to large grains of sandy blue gray shale with several thin layers of soft coal.		TRUE
					VERT. DEPTH
			from 139 to 398 feet layers of from 3 to 10 feet of blue shale inter-spaced by 1 to 3 foot layers of re-sorted sandstone cemented by limestone.		
			from 398 to 816 feet the blue shale becomes more sandy with depth and the thin layers of sandstone become more limey with depth.		
			from 816 to TD the shale becomes more limey and the sandstone layers become 60 to 70% limestone with large grains of soft green-blue soapstone.		
			the first oil sand at 1053 is capped by 10 feet of vary hard blue shale cemented with resorted limestone 10 feet of blue limey soapstone is encountered between the first and second oil sand which was drilled into at a depth of 1072 feet		
MENEFEЕ MV		1134	stopped drilling in blue gray Menefee shale		

WELL COMPLETION

DEPARTMENT OF MINES

BUREAU OF MINES

TYPE OF COMPLETION

NEW

REPAIR

NAME OF OPERATOR

Geo Eng

DATE