

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 14497	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR HNG OIL COMPANY		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702		8. FARM OR LEASE NAME Diamond 5 Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 660' FNL & 2230' FWL of Sec. 5 At top prod. interval reported below Same At total depth Same		9. WELL NO. 3	
14. PERMIT NO. _____ DATE ISSUED 7/28/86		10. FIELD AND POOL, OR WILDCAT Pitchfork Ranch /Atoka/	
15. DATE SPUNDED 8/7/86		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 5, T25S, R34E	
16. DATE T.D. REACHED 9/16/86		12. COUNTY OR PARISH Lea	
17. DATE COMPL. (Ready to prod.) 9/23/86		13. STATE NM	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3412.4' GR		19. ELEV. CASINGHEAD 3412.4'	
20. TOTAL DEPTH, MD & TVD 14,100'		21. PLUG BACK T.D., MD & TVD 14,029'	
22. IF MULTIPLE COMPL. HOW MANY* _____		23. INTERVALS DRILLED BY ROTARY TOOLS _____ CABLE TOOLS _____	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 13961 - 13969 (Atoka)		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Neutron-Litho Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
11-3/4"	42#	637'	15-1/4"
8-5/8"	28 & 24#	5170'	10-5/8"
5-1/2"	17 & 20#	13350'	7-7/8"
CEMENTING RECORD			
250 DLW & 165 C1 C			
1350 DLW & 275 C1 C			
950 DLW & 450 C1 H			
AMOUNT PULLED Circulated Circulated -			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
3-1/2"	13024'	14100'	110 C1 H
SCREEN (MD) -			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-7/8"	13071	PBR 13071	
31. PERFORATION RECORD (Interval, size and number) 13961 - 13969 (.41" 16) 2 spf			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
13961-13969		250 gal spot acid	
33. PRODUCTION			
DATE FIRST PRODUCTION 9/22/86		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 9/23/86		WELL STATUS (Producing or shut-in) SI	
HOURS TESTED 24	CHOKE SIZE 12/64"	PROD'N. FOR TEST PERIOD 48	OIL—BBL. 2300
FLOW. TUBING PRESS. 4000	CASING PRESSURE sealed	GAS—MCF. 0	WATER—BBL. 47,917
CALCULATED 24-HOUR RATE 49.0		OIL GRAVITY-API (CORR.) 49.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented			
35. LIST OF ATTACHMENTS log			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Betty Gildon</u>		TITLE <u>Regulatory Analyst</u>	
DATE <u>10/2/86</u>		DATE <u>10/2/86</u>	

*(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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	0	637	Red Beds	Delaware	5254	
Delaware, Cherry Can	637	2430	Anhy	Cherry Canyon	6244	
Cherry Canyon	2430	5500	Salt, Anhy	Bone Springs	9207	
CC & Bone Springs	5500	6545	Anhy, Sand	Wolfcamp	12320	
Bone Spgs, Wlfcamp	6545	8050	Lime, Sand	Strawn	13670	
Wolfcamp	8050	9985	Lime, Shale, Sand	Atoka	13818	
Wlfcamp, Strawn, Atoka	9985	13010	Lime, Shale	Morrow Lime	14200	
Atoka	13010	13537	Shale	Morrow Clastics	14464	
Atoka & Morrow	13537	13825	Lime, Shale			
	13825	13962	Lime, Shale, Chert			
	13962	14100	Lime, Shale			