

Form 3160-4
(October 1990)

RECEIVED

N. M. OIL CONS. COMMISSION

P. O. BOX 1980

HOBBS, NEW MEXICO 88240

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

Aug 19 1993 WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 89889	
1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Mitchell Energy Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P. O. Box 4000, The Woodlands, TX 77387-4000 (713) 377-5855		8. FARM OR LEASE NAME, WELL NO. Tomahawk "28" Fed Com #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FWL & 1650' FNL (SE/NW) Sec 28, T20S, R33E At top prod. interval reported below At total depth		9. API WELL NO. 30-025-31895	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT South Salt Lake (Morrow)	
15. DATE SPUDDED 5/18/93		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 28-T20S-R33E	
16. DATE T.D. REACHED 7/5/93		12. COUNTY OR PARISH Lea	
17. DATE COMPL. (Ready to prod.) 7/29/93		13. STATE NM	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3612.5' KB 3595' GR		19. ELEV. CASINGHEAD 3595'	
20. TOTAL DEPTH, MD & TVD 14,260'		21. PLUG BACK T.D., MD & TVD 14,162'	
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)* 13,908-13,944' Morrow		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN AIT/GR, GR/CNL/LDT/ML, GR/DLL/MSFL/Sonic, GR/CNL/LDT, GR/CL/CBL		27. WAS WELL CORRED sidewall	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
20" K-55	94	533'	26"
13 3/8" K-55	68	3425'	17 1/2"
8 5/8" K-55	32	5324'	12 1/4"
5 1/2" N-80	17	14258'	7 7/8"
29. & S-95 LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	13,904'	13,817'	
31. PERFORATION RECORD (Interval, size and number) 13,908-13,944' 0.4" perf dia 144 holes			
32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL _____ MATERIAL USED _____ ACCEPTED FOR RECORD 29 1993 CARLSBAD, NEW MEXICO			
33. PRODUCTION			
DATE FIRST PRODUCTION 7/29/93	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		
DATE OF TEST 7/30/93	HOURS TESTED 24	CHOKE SIZE 6/64"	PROD'N. FOR TEST PERIOD OIL—BBL. 7.4 GAS—MCF. 1002 WATER—BBL. 0 GAS-OIL RATIO 135.405
FLOW. TUBING PRESS. 3820	CASING PRESSURE -0-	CALCULATED 24-HOUR RATE OIL—BBL. 7.4 GAS—MCF. 1002 WATER—BBL. 0 OIL GRAVITY-API (CORR.) 49.0°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Arag C. Ch</u> TITLE Staff Production Engineer DATE 8/12/93			

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or documents.

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Bone Spring	10,758'	10,885'	Limestone, chert DST 10,750-10,882' (30") IF 202-141 (90") ISI 383 (60") FF 161-161 (180") FSI 1650 Rec 210' mud, 10' free oil, 1500' GIDP.	Yates Delaware Bone Spring Strawn	3394' 5335' 8418' 12589'	
Morrow	13,900'	13,950'	Sandstone Rotary Sidewall Cores: 13,911', 917', 924', 926', 932', 937', 941'	Atoka Morrow	12858' 13427'	

38. GEOLOGIC MARKERS

OFFICE