

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
HOBBS, NEW MEXICO 88240

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 _____		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. REVR. ☐	Other _____
2. NAME OF OPERATOR						7. UNIT AGREEMENT NAME	
Mitchell Energy Corporation						Sapphire Federal Unit	
3. ADDRESS OF OPERATOR						8. FARM OR LEASE NAME	
P. O. Box 4000, The Woodlands, TX 77387-4000						Sapphire Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						9. WELL NO.	
At surface 1650' FEL & 1650' FSL						1	
At top prod. interval reported below 1650' FEL & 1650' FSL						10. FIELD AND POOL, OR WILDCAT	
At total depth 1650' FEL & 1650' FSL						East Gem Morrow	
14. PERMIT NO.						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
DATE ISSUED						Sec 23, T19S, R33E	
15. DATE SPUDDED						12. COUNTY OR PARISH	
12/31/88						Lea	
16. DATE T.D. REACHED						13. STATE	
2/18/89						New Mexico	
17. DATE COMPL. (Ready to prod.)						19. ELEV. CASINGHEAD	
3/10/89						3639' GR	
20. TOTAL DEPTH, MD & TVD		21. PLUG. BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
13,600'		13,555'				ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
13,226'-13,450' Morrow						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
GR/DLL/MSFL/FDC/CNL						Yes-Sidewall	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8"		54.5		475'		17 1/2"	
8 5/8"		32.0		5230'		12 1/4"	
5 1/2"		17.0		13598'		7 7/8"	
						450 sx Class C	
						2800 sx Howco Lite & 300sx Premium Plus	
						350 sx 50/50 POZ thru shoe	
						1400 sx 50/50 POZ thru DV Tool @ 12280'	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
						SIZE	
						DEPTH SET (MD)	
						PACKER SET (MD)	
						2 3/8"	
						13,086'	
						13,086'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE CEMENT, SQUEEZE, ETC.			
13,226'-13,235' 13,440'-13,450'				DEPTH INTERVAL (MD)			
13,244'-13,248'				AMOUNT AND KIND OF MATERIAL USED			
13,250'-13,256' 4SPF, 231 holes				MAY 13 1989			
13,261'-13,290'				EB			
13,421'-13,426'				CARLSBAD, NEW MEXICO			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3/10/89		Flowing				Shut-in	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
3/13/89		1.0		22/64		OIL—BBL. 0.3	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		GAS—MCF. 480	
3905		0 (pkf)		8		WATER—BBL. 0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY		OIL GRAVITY-API (CORR.) 54.3			
Flared							
35. LIST OF ATTACHMENTS							
Deviation Survey, DST Data.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
Michael J. Smith		Production Engineer				3/23/89	

*(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 representations as to any matter within its jurisdiction.

22 (Cons. Order) 8-16-89

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
Yates	3365'	3700'	Anhydrite, Shale, Sand	Top Anhy(Rustler)	1435'	1435'
7-Rivers				Bottom Salt	2970'	2970'
Queen	4330'	6430'	Dolomite Sand	Yates	3365'	3365'
Delaware				7 Rivers	3460'	3460'
laware	6431'	8020'	Sand DST #1 7189'-7265' See Attached	Queen	4330'	4330'
Bone Springs	8020'	10968'	Lime, Shale, Sand, Cherty Lime	Delaware Sand	5380'	5380'
Wolfcamp	10969'	12087	Shale, Cherty Lime, Sand DST #2 11,150'-11,175' See Attached DST #3 11,322'-11,347' See Attached	Bone Spring	8020'	8020'
				1st Bone S.S.	9230'	9230'
				3rd Bone S.S.	10556'	10556'
				Wolfcamp	10969'	10969'
awn	12089'	12660	Lime, Sand, Shale	Strawn	12089'	12089'
Atoka				Atoka	12424'	12424'
Morrow	12661	13600	Shale, Sand	Morrow	12661'	12661'
			Sidewall cores at the following depths: 7342', 7453', 9257', 9290', 10043', 10047', 10510', 11327', 11153', 13137', 13264', 13288', 13445'			

RECEIVED

AUG 16 1989

OCD
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