

CONFIDENTIAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

5. LEASE DESIGNATION AND SERIAL NO.

88240 NM 63763

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Sapphire Fed Unit

8. FARM OR LEASE NAME

Sapphire Fed

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

East Gem
Wildcat (Delaware)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 23, T19S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

NM

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. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Mitchell Energy Corporation

3. ADDRESS OF OPERATOR

P. O. Box 4000, The Woodlands, TX 77387-4000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FNL & 1980' FWL

At top prod. interval reported below

At total depth 660' FNL & 1980' FWL

14. PERMIT NO.

DATE ISSUED

3/19/91

15. DATE SPUDDED

4/18/91

16. DATE T.D. REACHED

5/6/91

17. DATE COMPL. (Ready to prod.)

6/12/91

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3651' GR

19. ELEV. CASINGHEAD

3652'

20. TOTAL DEPTH, MD & TVD

8000'

21. PLUG, BACK T.D., MD & TVD

7545'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

7257'-7404' (Delaware)

ACCEPTED FOR RECORD

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CNL-DLL-MSFL-EPT-CBL

27. WAS WELL CORED

Yes - sidewall

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
13 3/8"	54.5	487'	17 1/2"	530 sx C1 "C" to surf
8 5/8"	32	3420'	12 1/4"	1350 sx PP to surf
5 1/2"	17	7999'	7 7/8"	1250 sx POZ/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	7223'	

31. PERFORATION RECORD (Interval, size and number)

7586'-7606' (21 shots) Plugged back

7257'-7404' (29 shots) .4" Dia.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7586-7606'	2000 gal 15% HCl
7257-7404'	3000 gal 15% HCl + 320,000#
	20/40 & RC w/132,000 gal gel

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/18/91		Pumping - 2 1/2" x 1 3/4" x 26' RHBC				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/26/91	24	open	→	95	vented	295	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
10 psi	10 psi	→	95	-	295	44°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

vented

TEST WITNESSED BY

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 James Blount TITLE Engineer

DATE 6/25/91

*(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
7-Rivers	3698'	3708'	drlg brk w/mudlog show	T/Yates	3392'	3392'
Delaware Mtn Grp.	6240'	6465'	drlg brk w/mud log shows rotary sidewall cores - 6235', 6293', 6394', 6404', 6420', 6430'	T/7-Rivers	3580'	3580'
Delaware Mtn Grp.	7020'	7606'	drlg brk w/mudlog shows rotary sidewall cores - 7061', 7139', 7264', 7324', 7330', 7355', 7389', 7401', 7422', 7596', 7748', 7304'	T/Queen	4265'	4265'
				T/Delaware	6180'	6180'
				T/Bone Spring	7925'	7925'