

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 63763
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Mitchell Energy Corporation		7. UNIT AGREEMENT NAME Sapphire Fed Unit
3. ADDRESS OF OPERATOR 400 W. Illinois, Ste 1000, Midland, TX 79701		8. FARM OR LEASE NAME Sapphire Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FEL & 1650' FSL At proposed prod. zone 1650' FEL & 1650' FSL		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT E. Gem (Wolfcamp)
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650'	16. NO. OF ACRES IN LEASE 520	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 23, T19S, R33E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH PB to 12,980'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3661' KB		13. STATE NM
22. APPROX. DATE WORK WILL START* 1-3-91		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
20. ROTARY OR CABLE TOOLS Rotary		

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5	K-55	ST&C	475	450 sx
12 1/4"	8 5/8"	32	K-55	ST&C	5230	3100 sx
7 7/8"	5 1/2"	17.	S-95 & N-80	LT&C	13598	1750 sx

The operator proposes to plug back from Morrow perfs @ 13,180'-84', 13,133'-40', & 13,015'-18' to the Wolfcamp from 11,152'-400' by setting a CIBP @ 13,000' w/20' of cmt on top.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. James Blount
SIGNED James Blount TITLE Engineer DATE 1/2/91
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY Chris Sigler, District Manager TITLE DATE 1-14-91
CONDITIONS OF APPROVAL, IF ANY: