

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease  
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator MESA OPERATING LIMITED PARTNERSHIP		8. Farm or Lease Name WEST KNOWLES	
3. Address of Operator P.O. BOX 2009, AMARILLO, TEXAS 79189		9. Well No. #4	
4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 34 TWP. 16S RGE. 37E NMPM		10. Field and Pool, or Wildcat WEST KNOWLES DRINKARD	
11. Elevations (Show whether DF, RT, etc.) 3775.0' GR		12. County Lea	
21A. Kind & Status Plug. Bond Blanket		19. Proposed Depth PBSD 11,250'	
21B. Drilling Contractor NA		19A. Formation Drinkard	
22. Approx. Date Work will start June, 1987		20. Rotary or C.T. NA	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	355'	350	surface
11"	8 5/8"	24/32#	4195'	300	surface
7 7/8"	4 1/2"	13.5/11.6#	11900'	200/550	9600'

Propose to plug back to Drinkard formation as follows: Set CIBP on wireline at  $\pm 11,250'$  to isolate the Casey Strawn perfs (11,354'-11,396'); dump 35' of cement on top of CIBP. Perforate 8446'-50' w/2 JSPF; set 4 1/2" Howco EZSV cement retainer @ 8400'; mix and pump 50 sx 50/50 Poz/Class "H" cement + 300 sx Class "H" + additives down tubing taking returns to cement retainer @ 2 BPM w/1365 gals 2% KCL. Perforate the Drinkard "C" w/1 JSPF, 3 1/8" casing gun @ 8230'-32', 8244', 8284'-88', 8319'-23', 8322'-39'. Acidize with 4000 gals 15% NE-FE acid. Swab test until load water recovered. If well productive, RIH w/SN & 2 3/8" 4.7# N-80 tubing to  $\pm 8375'$ .

8450  
1.18  
350 SF

xc: NMOCD-H (0+3), Prod Rcds, Reg, Land, Expl., Drlg, Partners

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Cathy Cummings Title Regulatory Analyst Date 5/18/87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE  DATE MAY 20 1987

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.