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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Lister	
2. Name of Operator		9. Well No.	
Mesa Petroleum Co.		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
1000 Vaughn Bldg., Midland, TX 79701-4493		N. Shoe Bar Wolfcamp	
4. Location of Well		12. County	
UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE		lea	
AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>13</u> TWP. <u>16S</u> RGE. <u>35E</u> NMPM			
19. Proposed Depth		19A. Formation	
11,225'		Wolfcamp	
20. Rotary or C.T.			
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3963' GR		3/1/82	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket			

23. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

The Strawn zone is currently producing an average of 6.33 BOPD. It is proposed to commence work on or about March 1, 1982, pull rods and pump, go in hole to +11,275' with 3-3/4" bit. Dump 50' of cement on top of CIBP; selectively perf the Wolfcamp with one .38" hole @ 10,530,31,32,45,46, 47,56 and 57 for a total of 8 holes. Go in hole with packer and RBP. Set RBP below perfs. Pull packer to 10,557 and leave swinging. Circulate hole with 2% KCL and spot 100 gals. 15% NE-FE acid across perfs. Set packer at 14,500' and acidize Wolfcamp perfs 10,530-557' with 2000 gals. NE-FE acid using 16 ball sealers at a rate of 4-5 BPM. After evaluation of Wolfcamp perfs, re-set RBP at +10,410' (Collar at 10,396') and packer above RBP. Test to 1000 psi, pull packer and perf Wolfcamp at 10,288-94, 10,300 and 10,301' with 1 JSPF for a total of 9 .38" holes. Set pkr and leave swinging at +10,301. Spot 100 gals. 15% NE-FE acid across perfs. Pull packer to 10,180' and set. Acidize Wolfcamp perfs 10,288-301' with 2000 gals. 15% NE-FE acid using 18 ball sealers at a rate of 4-5 BPM. After evaluation of Wolfcamp perfs 10,288-301', reset RBP at 10,220' and packer above RBP. Test to 1000 psi, pull packer and perf Wolfcamp at 10,081-87 and 10,130-34 with 1 JSPF for a total of 12 .38" holes. Set packer and leave swinging at 10,134'. Spot 100 gals. 15% NE-FE acid across perfs. Reset packer at 10,000', acidize Wolfcamp perfs 10,081-10,134'

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 Wilkerson Title Production Records Analyst Date 2/19/82

(This space for State Use)
ORIGINAL SIGNATURE
JERRY SEXTON
APPROVED BY JERRY SEXTON TITLE DISTRICT SUPERVISOR DATE 2/19/82
CONDITIONS OF APPROVAL, IF ANY:

XC: NMOC-D-H, TLS, MEC, LAND, REM, ACCTG, CNT RCDS, T.MCP, PARTNERS, FILE