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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 4 1984

O. C. D.  
ARTESIA, OFFICE

Form C-101  
Revised 1-1-81

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 McNew Com.	
2. Name of Operator MONSANTO OIL COMPANY		9. Well No. 1	
3. Address of Operator 1300 One First City Center, Midland, Texas 79701		10. Field and Pool, or Wildcat Avalon (Strawn)	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1604</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>5</u> TWP. <u>21S</u> RGE. <u>26E</u> NMPM		12. County Eddy	
19. Proposed Depth 9165 PBD		19A. Formation Wolfcamp & Delaware	
20. Rotary or C.F. Pulling Unit			
21. Elevations (Show whether DE, RT, etc.) 3186 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Not known yet.	21. Approx. Date Work will start May 15, 1984

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	54.5	500	880 sx	surface
12 1/4	9 5/8	36	2000	1100 sx	surface
8 3/4	5 1/2	17 & 20	10900	1350 sx	3500'

Well presently completed in the Strawn

- Set CIBP @ 9200' and cap with 35' cement.
- Run cement bond-gamma ray log from 8600'-2000'.
- Perforate Wolfcamp at 8099-8311 at selected intervals with 25 holes <sup>+</sup>. Acidize with 5k gls.
- Swab test Wolfcamp. If dry, proceed to test the Delaware. If Wolfcamp is productive, run potential and put on production.
- Set CIBP @ 7950' and cap with 35' cement.
- Depending on cement top found on the bond log, do a block squeeze to ensure behind-pipe cement from 2000'-3000'.
- Perforate Delaware at 2550-2575, 2490-2500, 2360-2390 and 2265-2300. Test and stimulate selectively.

\* Set CIBP for unit plug at 8700'

APPROVAL VALID FOR 180 DAYS  
MAY 10 1984  
UNLESS DRILLING UNDERWAY.

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 [Signature] Title Regional Production Manager Date 5/2/84

(This space for State Use)

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE MAY 08 1984

CONDITIONS OF APPROVAL, IF ANY: None