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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 checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		8. Farm or Lease Name Santa Fe	
2. Name of Operator Featherstone Development Corporation		9. Well No. 1	
3. Address of Operator 1717 West Second, Roswell, New Mexico 88201		10. Field and Pool, or Wildcat North Echols	
4. Location of Well UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 2310 FEET FROM THE West LINE OF SEC. 21 TWP. 10S RGE. 37E NMPM		12. County LEA	
19. Proposed Depth 12,050'		19A. Formation Devonian	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3947'	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Moranco	22. Approx. Date Work will start February 15, 1977

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#	320'	300	Circulate
11"	8 5/8"	24 & 32#	4250'	1100	300'
7 7/8"	5 1/2"	15 1/2#, 17# 20# & 24#	12050'	200	11,000'

Intend to drill 17 1/2" hole to 320' and set and cement 13 3/8" surface casing. Will pressure test and drill 11" hole to 4250' and set 8 5/8" intermediate casing and cement. Will cement from TD to base salt (2850') and from top salt 2200' back into surface pipe or from 4250' to surface casing. Will pressure test and drill 7 7/8" hole to TD and either P & A or complete as a producer. If producer will run 5 1/2" production string.

Will use spud mud at surface. Drill to 4250' with brine and use paper to control seepage. Anticipate 10# mud due to drilling salt section. Will drill out and mud up at top of ABO, increasing viscosity to 36-38 and mud weight 9.6 to 9.8 (due to salt stringer) and lower water-loss and mud weight to drill into Devonian.

Will use 10" 1500 series Shaffer Double Ram Hydraulic with hydril.

FOR 90 DAYS UNLESS
DRILLING COMMENCED.

EXPIRES 5-7-77

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 Charles W. Hicks Title Vice-President Date February 4, 1977

(This space for State Use)

APPROVED BY Jerry S. [Signature] TITLE SUP. DIVISION ENGINEER DATE FEB 7 1977
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB 7 1977

OIL CONSERVATION COMM.
HOBBS, N. M.