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NEW MEXICO OIL CONSERVATION COMMISSION

30-041-20591

Form C-101
Revised 1-1-85

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Acreage	
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. Name of Lessee	
2. Name of Operator Enserch Exploration, Inc.		Amoco State	
3. Address of Operator 1230 River Bend Drive - Suite 136 - Dallas, Texas 75247		9. Well No. 4	
4. Location of Well UNIT LETTER <u>0</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>2130</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>4S</u> RGE. <u>33E</u> N.M.P.M.		10. Field Unit No. or Name <u>North Peterson (Penn)</u> <u>7777777</u>	
21. Elevations (show whether DF, RL, etc.) 4369.2 GR		12. County Roosevelt	
21A. Kind & Status Plug. Head American Insurance 5171534		19A. Formation Mississippian Lm	
21B. Drilling Contractor Republic Drilling		22. Approx. Date Work will start April 20, 1981	
23.		22A. Rotary or C.C.T.	

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#	350	400	Surface
12-1/4"	9-5/8"	36#	2000	1150	Surface
8-3/4"	5-1/2"	15.5# & 17#	8200	950	6000'

Drill to 8200' in search of oil. Will set 13-3/8" surface casing. A 13-3/8" 3000 psi bradenhead and a 12", 3000 psi BOP will be installed before drilling the intermediate hole. After 9-5/8" casing is set, a 9-5/8", 3000 psi bradenhead will be installed. A 12", 3000 psi double hydraulic BOP and a 12", 3000 psi Hydril will be installed on the 9-5/8" bradenhead. A 3000 psi choke manifold will be used from 2000' to total depth.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10/13/81
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 C. H. Peoples Title Regional Drilling Manager Date March 31, 1981
(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE APR 13 1981

CONDITIONS OF APPROVAL, IF ANY: