

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells) 30-025-29091
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 018560

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>				7. Lease Name or Unit Agreement Name Arco - State 10818	
b. Type of Well: 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"/>				8. Well No. 1	
2. Name of Operator Tamarack Petroleum Company, Inc. 22131				9. Pool name or Wildcat Reeves (Queen)	
3. Address of Operator 500 West Texas, Suite 1485, Midland, TX 79701					
4. Well Location Unit Letter <u>F</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>27</u> Township <u>18-S</u> Range <u>35-E</u> NMPM Lea County					
10. Proposed Depth PBDT = 4600'				11. Formation Queen	
12. Rotary or C.T.					
13. Elevations (Show whether DF, RT, GR, etc.) 3898 GR		14. Kind & Status Plug. Bond		15. Drilling Contractor XPert	
16. Approx. Date Work will start 11/11/92					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13-3/8"	54.5	460	175 sxs "C"	Surface
11"	8-5/8"	24 & 32#	3890	2000 sxs	Surface
7-7/8"	5-1/2"	17#	9449	1355 sxs	2700 Temp.

Set CIBP @ 4600'. Perforate Queen (4430-4441') 2 SPF 22 holes. Acidize with 2000 gals. 15% NEFE HCL. Fracture stimulate well with 23,400 gallons 50% Gel-50% CO2 and 53,000# 20-40 Ottawa sand. Return well to production. In future, will request permission to commingle Queen with Bone Springs. Work has been partially completed. Previous Engineer forgot to file work. Work had to be started immediately due to lease constraints.

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.

SIGNATURE Ross E. Pearson TITLE Engineer DATE 11/13/92
TYPE OR PRINT NAME Ross E. Pearson TELEPHONE NO. _____

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE NOV 17 '92

CONDITIONS OF APPROVAL, IF ANY: