

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

APR 23 '90

API NO. (assigned by OCD on New Wells)  
30-015-00675

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
B-11538-7

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"/>		ARTESIA, OFFICE			
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"/>			
2. Name of Operator S & J Operating Company		7. Lease Name or Unit Agreement Name South Red Lake Grayburg Unit			
3. Address of Operator P O Box 2249, Wichita Falls, Texas 76307		8. Well No. 50			
4. Well Location Unit Letter <u>L</u> : <u>1650</u> Feet From The <u>South</u> Line and <u>990</u> Feet From The <u>West</u> Line		9. Pool name or Wildcat Red Lake Queen GB-SA			
Section <u>36</u> Township <u>17S</u> Range <u>27E</u> NMPM <u>Eddy</u> County					
10. Proposed Depth (5850' TD) 1850 PBTD		11. Formation Grayburg			
12. Rotary or C.T. --					
13. Elevations (Show whether DF, RT, GR, etc.) 3621' DF		14. Kind & Status Plug. Bond Blanket			
15. Drilling Contractor --		16. Approx. Date Work will start 5/1/90			
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8 5/8"	24	1502	750	Circulated
7 7/8"	5 1/2"	15.5	1850	350	Circulated

This well was previously known as the Arco Oil & Gas Company, Empire Abo Unit "G" No. 17. The original completion by Arco in 1976 had 8 5/8", 24# @ 1502' circulated and 4 1/2", 9.5# @ 5850'. A CIBP was set @ 5400'. We propose to plug-back and recomplete as follows:

- 1) Dump 2 sx. cement on top of bridge plug.
- \* 2) ~~25' 10"~~ plug @ top of the ~~unit~~ Abo @ 5238 50'in and out Abo @ 5238' 5-1-90
- \* 3) ~~25' 10"~~ plug @ top of Glorieta 50'in and out Glorieta @ 3095 chg Op & well name
- 4) Cut and pull 4 1/2" pipe at 1850'
- 5) Pump 100' plug in stub 50'in & 50' out.
- 6) Run 1800' of 5 1/2", 15.5# pipe and circulate cement to surface w/350 sx. 65% Class C & 35% Pozmix.
- 7) Perforate Grayburg Sand from 1692'-1710' and 1727'-1733' w/4 jets per foot using csg. gun.

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 Sandy Robertson TITLE Petroleum Engineer DATE April 19, 1990

TYPE OR PRINT NAME Sandy Robertson TELEPHONE NO. (817) 723-2166

(This space for State Use)

APPROVED BY Donnell Moore TITLE Dist. Seal DATE May 3, 1990

CONDITIONS OF APPROVAL, IF ANY:

\* See above