

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

APR 23 '90

API NO. (assigned by OCD on New Wells) 30-015-05935	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FREE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B-752-2	
7. Lease Name or Unit Agreement Name South Red Lake Grayburg Unit	
8. Well No. 51	
9. Pool name or Wildcat Red Lake Queen GB-SA	
10. Proposed Depth PB 2000 (5870 TD)	
11. Formation Grayburg	
12. Rotary or C.T. NA	
13. Elevations (Show whether DF, RT, GR, etc.) 3623' KB; 3612' GR	
14. Kind & Status Plug Bond Blanket	
15. Drilling Contractor --	
16. Approx. Date Work will start 5-1-90	

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"/>	
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 ✓

3. Address of Operator
P O Box 2249, Wichita Falls, Texas 76307

4. Well Location
Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line
Section 36 Township 17S Range 27E NMPM Eddy County

10. Proposed Depth
PB 2000 (5870 TD)

11. Formation
Grayburg

12. Rotary or C.T.
NA

13. Elevations (Show whether DF, RT, GR, etc.)
3623' KB; 3612' GR

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
12 1/4	8 5/8"	24	1100	450	Surface
7 7/8"	5 1/2"	14 & 15.5	5865	750	Surface

Well was previously known as Arco Oil & Gas, Empire Abo Unit "G" #18. Current Abo perforations @ 5714'-5813'. Plan to plug-back as follows:

- 1) 100' plug across Abo perms.
- 2) 25 sx. plug @ top of ~~THE~~ Abo 50' in and out Abo @ 5160'
- 3) 25 sx. plug @ top of Glorieta 50' in and out Glorieta @ 2148'
- 4) Perforate Grayburg Sand from 1742'-1758', 1766'-1769' and 1778' - 1784' w/4 jets per foot casing gun.

Post ID 3
5-4-90
Log name &
Well name

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

TELEPHONE NO.

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

* Plug @ Tubb moved to Abo @ 5160'.