

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Form C-101  
Revised 10-1-78

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87504-2148

APPROVAL EXPIRES 7-1-88  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS

**RECEIVED**  
JUL 11 1988  
OIL CON. DIV.  
DIST. 3

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.  
E-6833

7. Unit Agreement Name

6. Farm or Lease Name

Lim

9. Well No.

1

10. Field and Pool, or Wildcat  
Lybrook Gallup Extension

12. County

Rio Arriba

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐

OIL WELL ☒ GAS WELL ☐ OTHER ☐

SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. Name of Operator  
T H McELVAIN OIL & GAS PROPERTIES

3. Address of Operator  
Post Office Box 2148, Santa Fe, New Mexico 87504-2148

4. Location of Well UNIT LETTER M LOCATED 1250 FEET FROM THE South LINE  
AND 850 FEET FROM THE West LINE OF SEC. 36 TWP. 24N RGE. 7W NMPM

19. Proposed Depth  
5800'

19A. Formation  
Gallup

20. Rotary or C.T.  
Rotary

21. Elevation (show whether D.R., K.L., etc.)  
6893' GL

21A. Kind & Status Plug. Bond  
One Well

21B. Drilling Contractor

22. Approx. Date Work will start

23. 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#	260+/-	250 sks (295ft <sup>3</sup> )	circ
7-7/8"	4-1/2"	10.5#	5800+/-	800 sks (1550ft <sup>3</sup> )	surface

- Propose to drill 12 1/4" hole to approx 260' using natural mud as a circ medium. Run new 8-5/8" 24# J-55 csg to TD & cmnt w/ approx 250 sks Class B + 2% CaCl circulated to surface.
- BOP to be installed after surf csg cmntd. Prior to drlg out surf csg, BOP & csg to be tstd to OCD specs. All subsequent work to be conducted through BOP.
- Drill 7-7/8" hole to TD approx 5800' using low solid, nondispersed mud as circ medium.
- Run Dual Induction SFL Log & Compensated Neutron Formation Density Log prior to running 4 1/2" 1.5# J-55 csg to TD w/ DV tool @ approx 2400'.
- Cmnt 4 1/2" csg to surf in two stages: 1st stage - 10 bbls mud flush followed by 450 sks (625 ft<sup>3</sup>) 50-50 pozmix + 2% gel & 6 1/2# gilsonite & 6# salt per sk; 2nd stage - thru stage collar @ approx 2400' w/ 10 bbls mud flush followed by 300 sks (802 ft<sup>3</sup>) 65-35 pozmix + 12% gel & 6 1/2# gilsonite per sk, tail in w/ 50 sks (59 ft<sup>3</sup>) Class B neat.
- Drill out DV tool & pressure test csg.
- Perf and frac Gallup zones, clean well up, run new 2-3/8" EUE 4.7# J-55 tubing & test well.

THE GAS FROM THIS WELL IS NOT DEDICATED - UNORTHODOX LOCATION APPROVED NMOCED ORDER #NSL-254  
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 T.H. McElvain, Jr. Title T. H. McElvain, Jr., Manager Date 06-30-88

(This space for State Use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

CONDITIONS OF APPROVAL, IF ANY:

DATE

JUL 13 1988

All distances must be from the outer boundaries of the Section.

Operator T.H. McElvain Oil & Gas		Lease Lim		Well No. 1
Unit Letter M	Section 36	Township T24N	Range R7W	County Rio Arriba
Actual Footage Location of Well: 1250 feet from the South line and 850 feet from the West line				
Ground Level Elev. 6893	Producing Formation Gallup	Pool Lybrook Gallup Extension	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

**RECEIVED**  
JUL 12 1988  
OIL CON. DIV.  
DIST. 3

**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*George B. Broome*  
Name  
George B. Broome

Position

Geological Engineer

Company

T H McELVAIN OIL & GAS PROP

Date

July 11, 1988

I hereby certify that the location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Registered Professional

Date Surveyed

June 4, 1988

Registered Land Surveyor

R. Howard Daggett

*R. Howard Daggett*

Certificate No.

9679

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600