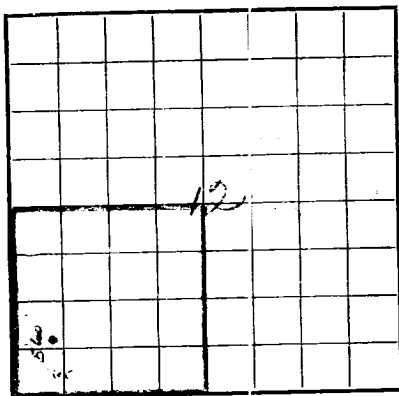


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078859-B
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

502 Midland Savings Building
Denver 2, Colorado

Company McRae Oil & Gas Corporation Address Denver 2, Colorado
Lessor or Tract _____ Field Wildcat State New Mexico

Well No. Fed #1 Sec. 12 T. 24N R. 9W Meridian New Mexico County San Juan

Location 760 ft. N of S Line and 560 ft. E of W Line of SW⁴ Sec. 12 Elevation 5629'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Signed [Signature]

Date 7-2-57 Title Production Manager

The summary on this page is for the condition of the well at above date.

Commenced drilling 5-24-57, 1957 Finished drilling 6-10, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

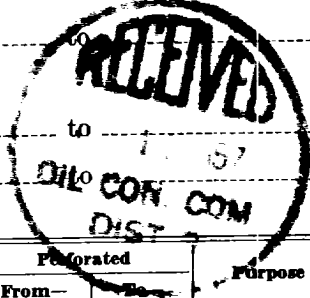
No. 1, from 1720 to 1731 (?) No. 4, from 4050 to 4057 (?)
No. 2, from 1860 to 1665 (?) No. 5, from _____ to _____
No. 3, from 3200 to 3310 (?) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 250 to 500 No. 3, from _____ to _____
No. 2, from 630 to 685 No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Percorated | | Purpose |
|--------------|-----------------|------------------|------|-------------|--------------|---------------------|------------|----|---------------------|
| | | | | | | | From | To | |
| <u>8-5/8</u> | <u>24#</u> | <u>8 rd</u> | | <u>202'</u> | <u>Texas</u> | <u>None</u> | | | <u>Surface Csg.</u> |



MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|----------------|------------------------|-------------------|-------------|--------------------|
| <u>8-5/8</u> | <u>212' KB</u> | <u>150 sks</u> | <u>Circulated</u> | | |
| <u>Mudded up hole at 2950. Used Jel water base mud to 3600 then changed over to oil base. Carried wt. from 9.5 to 9.9 #/gal. and kept vis. at 45-60. Lost two pits of mud in Gallup sand.</u> | | | | | |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material None Size _____

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
| | | <u>N O N E</u> | | | | |

TOOLS USED

Rotary tools were used from 0 feet to 5446 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-12, 1957 Put to producing Plugged, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. R. Buster, Driller R. M. Burnell, Driller
C. E. Phillips, Driller Homer Paine, T. P., Driller

FORMATION RECORD

| FROM | TO | TOTAL FEET | FORMATION |
|-------------|----------------|--------------|----------------------|
| <u>1660</u> | <u>1735</u> | <u>75'</u> | <u>Picture Cliff</u> |
| <u>1700</u> | <u>3200</u> | <u>1500'</u> | <u>Lewis Shale</u> |
| <u>3200</u> | <u>3337</u> | <u>137'</u> | <u>Cliff House</u> |
| <u>3337</u> | <u>4081</u> | <u>744'</u> | <u>Menefee</u> |
| <u>4081</u> | <u>4213</u> | <u>132'</u> | <u>Point Lookout</u> |
| <u>4213</u> | <u>4992</u> | <u>779'</u> | <u>Mancos</u> |
| <u>4992</u> | <u>5442 TD</u> | <u>450'</u> | <u>Gallup Zone</u> |

CORING

Core No. 1 5250 - 5301 No recovery
Core No. 2 5302 - 5352 Recovered 28', 12' of grey silty shale, 16' of hard, tight, glassy s. s., no show
Core No. 3 5352 - 5403 No recovery

(OVER)

Plugging program on back

FOLD MARK

