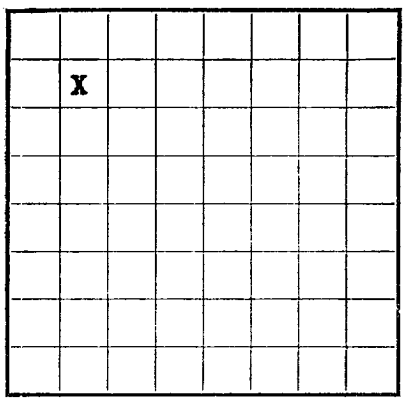
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078878
LEASE OR PERMIT TO PROSPECT Canyon Largo Unit



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address Midland, Texas

Lessor or Tract ____ Field Canyon Largo P.C. State New Mexico

Well No. 1-28 Sec. 28 T. 25N R. 7W Meridian NMPM County Rio Arriba

Location 940 ft. {N.} of N Line and 1290 ft. {W.} of W Line of Section 28 Elevation 6562'
(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 Wm. J. Mathis (WM. J. Mathis)

Date May 29, 1956 Title Petroleum Engineer

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

Commenced drilling 4-27, 1956 Finished drilling 5-8, 1956

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2178 to 2186 (Gas) No. 4, from 2236 to 2241 (Gas)

No. 2, from 2202 to 2207 (Gas) No. 5, from 2248 to 2256 (Gas)

No. 3, from 2211 to 2219 (Gas) No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____

No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8"	24#	8	CFI	80	Baker				Surface
5-1/2"	14#	8	CFI	2378	Baker		2178	2186	Production
							2202	2207	
							2211	2219	
							2236	2241	
							2248	2256	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	80	75 Sax	2 - Plug	Water	Cmt circulated to surface
5-1/2"	2378	125 sax	2 - Plug	9.7	Hole full

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from -0- feet to 2378 feet, and from ____ feet to ____ feet

Cable tools were used from To clean out after frac job to ____ feet, and from ____ feet to ____ feet

DATES

May 16, 1956 Put to producing SHUT IN GAS WELL, 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 954,000 Gallons gasoline per 1,000 cu. ft. of gas 0.3

Rock pressure, lbs. per sq. in. 668#

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	1820	1820	Clay, sand & shale
1820	2178	358	Shale, sand, coal
2178	2260	82	Sand w/shale breaks
2260	2378	118	Shale & sandy shale

TD: 2378
PBTD: 2265

TOP PICTURED CLIFFS 2178'

SAN-FRAC TREATMENT

STAGE #1 Treated perfs 2178-2186, 2202-07, & 2211-2219 w/20,000# sand w/440 bbls water & flushed w/165 bbls water. Max press 3000#, min & final press 1700#, SIP 800#, Average injection rate 43 BPM.

Set Wire line Bridge Plug @ 2225'

STAGE #2 Treated perfs 2236-41 & 2248-56 w/20,000# sand & 20,000 gallons water, flushed w/170 BW, Max press 2200#, min & FP 1200#, SIP 800#, average injection rate 44.5 BPM.

[OVER]

16—43094-8

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.