Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office New Mexico
Serial Number LC [illegible]
Lease or Permit to Prospect Schourich

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Yates Brothers Address 309 Carper Bldg., Artesia, N. M.

Lessor or Tract [illegible] Field [illegible] State [illegible]

Well No. 1 Sec. 3 T. [illegible] R. [illegible] Meridian [illegible] County Eddy

Location 1980 ft. N. of S. Line and 660 ft. E. of W. Line of Sec. 3 Elevation [illegible]

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 March [illegible], 1957 [illegible] Title Office Manager

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

Commenced drilling [illegible], 19[illegible] Finished drilling [illegible], 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1216 to [illegible] No. 4, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]

No. 3, from 2189 to 2218 No. 6, from 2286 to 2313 ft.

IMPORTANT WATER SANDS

No. 1, from 0 to 540 No. 3, from to

No. 2, from 540 to [illegible] 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	CF&I	863	Guide				Surface
5-1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	863	300	Halliburton		
5-1/2	1875	427	Halliburton		

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 2617 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

Mar. 28, 1957 Put to producing Mar. 25, 1957

The production for the first 24 hours was 46 barrels of fluid of which 99.6 % was oil; % emulsion; Trace % water; and .4 % sediment. Gravity, °Bé. 30

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

L. H. Peters, Driller L. G. Hoover, Driller

Jay B. Doyal, Driller Wilson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
100	200	100	Gravel, shale & clay
300	330	30	Limestone
330	440	110	Dolomite & limestone
440	500	60	Dolomite, limestone, shale & sandstone
500	840	340	Dolomite, limestone & sandstone
840	900	60	Dolomite, & limestone
900	1920	1020	Dolomite
1920	1950	30	Dolomite, trace of sand.
1950	2010	60	Dolomite
2010	2210	210	Dolomite, sandstone & trace of shale
2210	2265	55	dolomite
2265	2370	105	Dolomite & sandstone
2370	2615	245	Dolomite

[OVER] 16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

1. Testing Record:
   Drill Stem Test #1: 940 - 1000 ft., Dead in 28 min. Recovered 15 ft. drilling mud.
   DS Test #2: 1224 - 1324 ft., No blow. Recovered 70 ft. drilling mud.
   At total depth, ran Gamma Ray-Neutron, Induction-Electrical, Micro-log and recovered 7 of 19 side wall cores. Left 1-1/2 core barrels in hole.
2. Treating Record as performed with open hole packer:
   3-12-57
   2276-2313 ft. - 1000 gals heavy oil plus 250 lbs. sand. Tubing split?
   2276-2313 ft. - 2200 gals. heavy oil plus 500 lb. sand. Communicated.
   2257-2286 ft. - 4,000 gals. heavy oil plus 1000 lb. sand. Truck break down.
   2227-2257 ft. - 60 bbls. lease oil plus 34 bbls. heavy oil. Pressure rose to 4400 lbs. with no sand.
   2154-2165 ft. - Communicated at 2400 lb. with lease oil.
   2130-2167 ft. - Communicated at 4600 lb. with lease oil.
   2109-2210 ft. - Communicated at 3200 lb. with lease oil.
   2026-2064 ft. - Communicated at 3100 lb. with lease oil.
   2020-2050 ft. - 10,000 gals. heavy oil plus 2500 lb. sand. Flowed 195 bbls. in 18 hours.
   2227-2282 ft. - 11,836 gals. heavy oil plus 4100 lb. sand. Recovered 300 bbls. in 16 hrs.
   1991-2020 ft. - Set packer-spaced below bottom packer.
   1-21-57 - Swabbed 126 bbls. in 20 hrs. End of packer work. Note: 29 ft. fish composed of tail pipe, packer element, one joint of housing left in bottom of hole.
3. Perforated 1214-1230 ft. with 2 jets per ft. Treated with 10,000 gals. heavy oil plus 15,000 lb. sand.