Form 9-330

Budget Bureau No. 42-R355.1
Approval expires 11-30-49.

U. S. Land Office Las Cruces, N.M.
Serial Number 064384
Lease or Permit to Prospect Hudson

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Malco Refineries, Inc. Address Roswell, New Mexico
Lessor or Tract Hudson Field Red Lake State New Mexico
Well No. 1 Sec. 5 T. 18s R. 27E Meridian NMPM County Eddy
Location 2310 ft. {N. / S.} of N Line and 2310 ft. {E. / W.} of E Line of Section 5 Elevation 3507 (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 H. E. Harrington
Date 18 September 1948 Title Land Department

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

Commenced drilling 13 May, 1948 Finished drilling 10 July, 1948

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1881 to 1890 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 265 to 270 No. 3, from to
No. 2, from 1245 to 1250 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	Nat'l.	1460					Prod.
7 5/8	20	8	Nat'l.	1454					Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	1460	75	Halliburton		
7 5/8	1454	35	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
5"	61	Solidified Nitro	340	7/12/48	1880-1941	1957
5"	16	Solidified Nitro	40	7/23/48	1941-1957	1957

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2256 feet, and from feet to feet

DATES

17 September, 1948 Put to producing 30 August, 1948

The production for the first 24 hours was 19 barrels of fluid of which 89½ % was oil; 0 % emulsion; 10½ % water; and 0 % 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. G. Graham, Driller W. C. Cox, Driller
G. Watts, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	550		Anhydrite
550	700		Red Sand
700	760		Anhydrite
760	780		Grey Sand
780	1020		Anhydrite with few red sandy breaks.
1020	1131		Red & Grey Sand
1131	1159		Dolomite
1159	1163		Grey Sand
1163	1193		Dolomite with sandy breaks.
1193	1326		Anhydrite and Sandy dolomite.
1326	1337		Anhydrite and red sand.
1337	1366		Sandy dolomite
1366	1372		Sand with F. Q. G.
1372	1700		Dolomite
1700	1771		Anhydrite Dolomite
1771	1874		Dolomite
1874	2256		Dolomite and Anhydrite

(OVER)

16—43094-2

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-1 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.