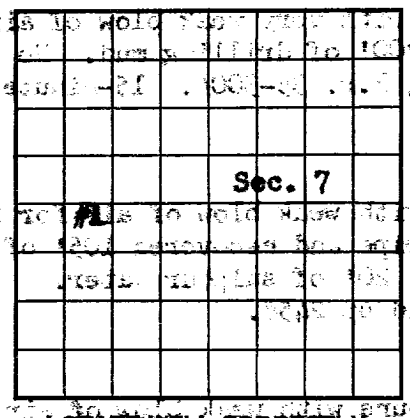
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

Form 9-330

U. S. Land Office New Mexico
Serial Number NM-02985
Lease or Permit to Prospect



Sec. 7

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pacific Western Oil Corp. - Operated By Skelly Oil Company Address Box 38 - Hobbs, New Mexico

Lessor or Tract Anna M. Dumas Field Undesignated State New Mexico

Well No. 1 Sec. 7 T. 7S R. 31E Meridian N.M.P.M. County Chaves

Location 1980 ft. {N. / S.} of S Line and 739 ft. {E. / W.} of W Line of Sec. 7 Elevation 4305' (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 J. N. Dunlavey

Date July 14, 1954 Title Dist. Supt.

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

Commenced drilling July 2, 1953 Finished drilling Aug. 30, 1953

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from DRY HOLE to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from

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## 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 |
|---|---|---|---|---|---|---|---|---|---|
| 13-3/8" | 48# | 8R | H-40 | 200' | Float | | | | Surface |
| 8-5/8" | 32# | 8R | J-55 | 3087' | " | | | | Salt |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 13-3/8" | 224' | 245 | Halliburton | | |
| 8-5/8" | 3100' | 1100' | " | | |

## 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 8550 feet, and from feet to feet

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

## DATES

, 19 Put to producing PLUGGED & ABANDONED, 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

Jim Sutton, Driller , Driller

K. H. McGrew, Driller , Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0' | 1245' | 1245' | Red Bed |
| 1245 | 1596 | 351 | Anhydrite & salt |
| 1596 | 3100 | 1504 | Anhydrite, sand & lime |
| 3100 | 3560 | 460 | Lime |
| 3560 | 6315 | 2755 | Lime & sand |
| 6315 | 8550 | 2235 | Lime & shale |

(OVER)

16—43094-2

FOLD | MARK

# REPORT OF DRILL STEM TEST

D.S.T. No. 1 - 3479-3560':
1" top, 1" bottom chokes, 4½" drill pipe. Tool open 1½ hours with very weak blow of air. No gas or fluid to surface. Pulled drill pipe and recovered 700' of drilling mud. No show of oil, gas or water. Hyd. pressure in 1725#, out 1710#, F.P. 35-300#. 15-Minute buildup 0#.

D.S.T. No. 2 - 3655-3800':
1" top, 1" bottom chokes, 4½" drill pipe. Tool open 2 hours with weak blow of air for 20 minutes and died. No gas or fluid to surface. Pulled drill pipe and recovered 105' of slightly gas cut drilling mud with trace of black dead oil and 20' of sulphur water. F.P. 10-130#. Hyd. pressure in 1890#, out 1880#, 15-Min. build up 245#.

D.S.T. No. 3 - 7839-7910':
1" top choke, 1" bottom choke, 4½" drill pipe. Tool open 3 hours with weak blow of air and continued as very weak blow. No gas or fluid to surface. Pulled drill pipe and recovered 75' of mud, no show of oil, gas or water. Hyd. pressure in 4121#, out 4000#, IFP 60#, FFP 115#, 20-Min. buildup 1860#.

D.S.T. No. 4 - 7839-7910':
1" top, 1" bottom chokes, 4½" drill pipe. Tool open 5 hours with good blow of air which continued as medium blow. Gas to surface in 4 hours and 40 minutes and continued as light blow during remainder of test. No fluid to surface. Pulled drill pipe and recovered 4340' of drilling mud. Found hole in drill pipe 640' above tool. Recovered 380' of oil and gas cut mud, est. 5% oil, and 160' of slightly salty water below leak. Hyd. pressure in and out 4235#, F.P. 65-200#, 20-Min. buildup 2070#. Analysis of water recovered tested 79,500 PPM chloride and mud tested 85,000 PPM chloride.

D.S.T. No. 5 - 7839-7910':
1" top, 1" bottom chokes, 4½" drill pipe. Tool open 6 hours with fair blow of air immediately which declined to a light blow and continued throughout test. No gas or fluid to surface. Pulled drill pipe and found gas in pipe and recovered 400' of oil and gas cut mud, est. 1% oil and 212' of salt water. F.P. 24-245#, Hyd. pressure in and out 2180#, 20-Min. buildup 2180#.

D.S.T. No. 6 - 8115-8150':
1" top, 1" bottom chokes, 3½" drill pipe. Tool open 3 hours with light blow of air that gradually declined and died after 24 minutes. No gas or fluid to surface. Pulled drill pipe and recovered 180' of drilling mud, no show of oil, gas or water. Hyd. pressure in and out 4225#, F.P. 45-140#, 20-minute build up 180#.

D.S.T. No. 7 - 8480-8550':
1" top, 1" bottom chokes, 3½" drill pipe. Tool open 7 hours with light blow of air and continued as very light blow. No gas or fluid to surface. Pulled 3½" drill pipe and recovered 485' of mud-cut salt water, est. 40% mud and 60% salt water. No show of oil or gas. Hyd. pressure in 4475#, out 4965#, F.P. 45-230#, 20-Min. BU 1195#.

REMARKS:
Drilled to a total depth of 8550' and no oil or gas in commercial quantities was encountered through any zone. On Sept. 3, 1953 well was plugged and with cement and heavy laden mud as follows:

25 sacks cement - 8480'
50 " " - 7900'
25 " " - 3560'
25 " " - 3480'
50 " " - 3100' (Bottom of 8-5/8" OD casing)
20 " " Surface cap

All cement plugs were pumped by Halliburton process and all intervals not cemented were filled with heavy mud laden fluid. A bull plug was welded in 8-5/8" OD casing and a 4" pipe marker was installed.

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |

FORMATION RECORD—Continued