N. M. O. C. C. COPY

Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER [redacted]
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 28 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sinclair Oil & Gas Company Address 520 E Broadway, Hobbs, New Mexico

Lessor or Tract [redacted] Field [redacted] State New Mexico

Well No. 27 Sec. 4 T. [redacted] R. [redacted] Meridian [redacted] County [redacted]

Location 660 ft. [N.] of S. Line and [redacted] ft. [E.] of W. Line of Sec. 4 Elevation 3908
(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 September 11, [redacted] Title Asst. Dist. Supt.

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

Commenced drilling [redacted], 19[redacted] Finished drilling August 28, 19 61

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from [redacted] to No. 4, from to

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

No. 3, from [redacted] to 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 |
|---|---|---|---|---|---|---|---|---|---|
| 13-3/8 | [redacted] | [redacted] | [redacted] | [redacted] | | | | | Surface Csg |
| 9-5/8 | [redacted] | [redacted] | [redacted] | [redacted] | | | | | Intermediate |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 13-3/8 | 650 | 710 | Halliburton | | |
| 9-5/8 | 3800 | [redacted] 1450 | 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 Surface feet to 12860 feet, and from feet to feet

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

## DATES

, 19

Put to producing DRY HOLE - Plugged back to 3700' - capped & shut in - Held for Future Development.

The production for the first 24 hours was 0 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

J.F. Herbold, Driller C.R. Waldon, Driller

J.L. Mason, Driller , Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 463 | 463 | Sand & Caliche |
| 463 | 650 | 187 | Red Rock |
| 650 | 1440 | 790 | Red Bed, Anhydrite & Salt |
| 1440 | 1752 | 312 | Anhydrite & Salt |
| 1752 | 2368 | 616 | Anhydrite |
| 2368 | 3533 | 1165 | Anhydrite & Lime |
| 3533 | 3689 | 156 | Lime & Sand |
| 3689 | 9607 | 5918 | Lime |
| 9607 | 9700 | 93 | Lime & Shale |
| 9700 | 9718 | 18 | Lime & Chert |
| 9718 | 10077 | 359 | Lime |
| 10077 | 10860 | 783 | Lime & Shale |
| 10860 | 11843 | 983 | Lime |
| 11843 | 11936 | 93 | Lime & Chert |
| 11936 | 12252 | 316 | Lime |
| 12252 | 12303 | 51 | Lime & Shale |
| 12303 | 12316 | 13 | Lime |
| 12316 | 12761 | 445 | Lime & Chert |
| 12761 | 12860 | 99 | Lime & Shale |
| 12860 | Total Depth Drilled | | |

2-1/4 @ 11762 & 12245
1-3/4 @ 12747

DEVIATION SURVEYS

| | | |
|---|---|---|
| 1/2 | @ | 443 |
| 3/4 | @ | 1179 |
| 1-3/4 | @ | 1600 |
| 1/2 | @ | 2385 |
| 1-1/4 | @ | 2987 |
| 1-1/4 | @ | 3470 |
| 1-1/2 | @ | 3800 |
| 1/2 | @ | 4318 |
| 1 | @ | 4884 |
| 1-3/4 | @ | 5466 |
| 1-3/4 | @ | 6013 |
| 1-3/4 | @ | 6581 |
| 1-1/4 | @ | 7006 |
| 1 | @ | 7600 |
| 3/4 | @ | 8113 |
| 1 | @ | 8612 & 9201 |
| 1-1/4 | @ | 9818 |
| 1-1/2 | @ | 10358 |
| 1-3/4 | @ | 10856 |
| 2 | @ | 11239 |

[OVER]

CONSERVATION RECORD—CONTINUED

## FORMATION RECORD—Continued

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

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## 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.

12860 - Total Depth Drilled

13-3/8 Csg set @ 650 & cemented to surface.
9-5/8 Csg set @ 3000 & cemented to surface.

DST #1 - 5028-5128,Paddock, 5/8"x1" choke. No W.C. Open 2 hrs w/fair blow air throughout test. Rec. [illegible] mud. 5 min IOFP 0, FFP 0, IFP 0, 1 hr ISIP 250#, 2 hr FSIP 235#, Hyd 2550#, Temp. 110°.

SEE DST #2 below - [illegible] 5/8"x1" choke. No W.C. Open 2 hrs w/weak blow f/20 [illegible] 5 min IFP 115#, 1 hr ISIP [illegible], [illegible], FFP 200#, 2 hrs FSIP [illegible], Hyd 4275#.

DST #3 - 8480-8510,Wolfcamp,5/8"x1" choke. No W.C. Open 2 hrs w/good blow throughout test. Rec. 3150' gas in DP & 240' oil & gas cut mud (8% oil & gas cut). 5 min IOFP 200#, IFP 220#, FFP 220#, 1 hr ISIP 1120#, 2 hr FSIP 1750#, Hyd 4300#.

DST #4 - [illegible],Wolfcamp- Packer Failure

DST #5 - 8975-9070,Wolfcamp,5/8"x1"choke. Open 2 hrs w/good blow throughout test. No gas. Rec 1680' salt water cut mud, 4590' salt water, 5 min IOFP 475#, 1 hr ISIP [illegible], IFP 750#, FFP 2225#, 2 hr FSIP 3325#, temp 128°, Hyd 4625#.

DST #6 - 11260-11300,Strawn- Packer Failure

DST #7 - 11283-11385,Strawn,5/8"x1" choke. No WC, temp open 2 hrs w/weak blow. Rec 80' drlg mud, 180' slightly salty water (no shows). 5 min IOFP 175#, 1 hr SIP [illegible], IFP 175#, FFP 175#, 2 hr SIP [illegible], hyd in 5890, [illegible] Temp 168°.

DST #8 - 12620-12860,Devonian,5/8"x1" choke. Open 2 hrs w/good blow throughout test. No gas to surface. Rec 270' slightly gas cut mud & 2068' salty sulphur water, IFP 875#, FFP 1[illegible] 875#

8-26-61 - Spotted 100 sk cement plug f/12607-12860
38 sk cement plug f/11050-11150
38 sk cement plug f/9600-9700
38 sk cement plug f/7000-7100
38 sk cement plug f/6300-6400
60 sk cement plug f/3700-3850

Welded steel cap on top of 9-5/8" csg. Well shut in - held for future development.

DST #2 - 8330-8360,Wolfcamp,5/8"x1" choke. No W.C., Open 2 hrs, weak blow. Rec. 2045' gas in DP & 60' slightly oil & gas cut mud. 5 min IOFP 200#, IFP 175#, FFP 130#, 1 hr ISIP 1375#, 2 hr FSIP 650#,