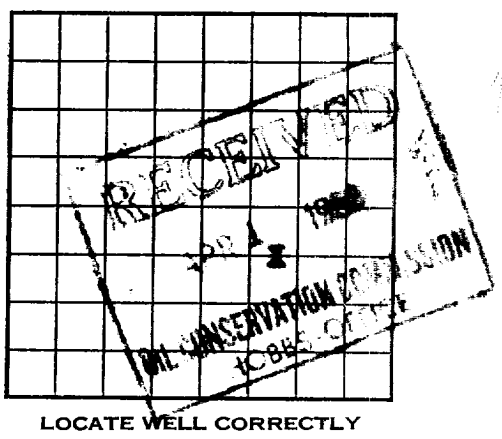
Form 9-880

COPY TO O. C. C.

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Las Cruces
Serial Number 031741 (b)
Lease or Permit to Prospect Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 427, Hobbs, New Mexico

Lessor or Tract H. C. Hawk B-3 Field Hare State New Mexico

Well No. 4-S Sec. 3 T. 21S R. 37E Meridian N.M.P.M. County Lea

Location 1980 ft. {N.} of S Line and 1830 ft. {E.} of E Line of Section 3 Elevation 3469
(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 E. M. Nelson

Date March 28, 1952 Title District Superintendent

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

Commenced drilling January 17, 19 52 Finished drilling March 3, 19 52

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 7693 to 7866 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 ____ 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
10 3/4	32.75	8	H-40	13[illegible]	Guide				
10 3/4	32.75	8	—	298[illegible]	—				
7 5/8	26.40	8	J-55	3147	G. shoe & F. collar		See historical		
5 1/2	17	8	J-55	1205[illegible]	G. shoe & F. collar		perforations.		
5 1/2	15.5	Hydril	J-55	8022	—				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	273	225	Pump & Plug		
7 5/8	3147	1150	Pump & Plug		
5 1/2	8024	625	Pump & Plug		

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
None						

TOOLS USED

Rotary tools were used from 0 feet to 8025 feet, and from ____ feet to ____ feet

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

DATES

____, 19____ Put to producing March 10, 19 52

The production for the first 24 hours was 660 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment. Gravity, °Bé. 47

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

P. L. Morgan, Driller T. V. Smith, Driller

V. L. Lain, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1300	1300	Redbeds.
1300	1430	130	Anhydrite.
1430	2470	1040	Salt.
2470	7430	4960	Lime, Dolomite.
7430	7715	285	Shale.
7715	8000	285	Sand and Shale.
8000	8025	25	Lime.
(over)			

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FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			DST #1, 6950-7180', tool open 1 1/2 hours, light blow of air for 1 hour. Recovered 90' drilling mud, no oil, water or gas. Flowing pressure 0#. Bottom-hole pressure 0#. Hydrostatic pressure 3700#. DST #2, 7180-7430', tool open 2 hours, gas to surface in 7 minutes, light blow throughout test. Recovered 5090' clean oil, 360' oil and gas-cut mud. Flowing pressure 725#. 15-minute shut-in pressure 2375#. Hydrostatic pressure 3625#. DST #3, 7730-7820', tool open 1 hour and 25 minutes. Gas to surface in 4 minutes. Fluid in 12 minutes. Flowed 53 bbls. oil on 1 hour test. 880 MCF gas. GOR 698. Flowing pressure 1400#. 15-minute shut-in pressure 2565#. Hydrostatic pressure 3775#. Set 5 1/2" casing at 8024'. Moved in reverse rig and drilled plug to 8020'. Perforated casing from 7700-7754 with 216 jet holes; 7764-7812' with 192 jet holes and from 7830-7856' with 104 jet holes. Washed perforations with 500 gallons mud acid. 2 1/2" tubing set at 7809'. On initial potential flowed 170 bbls. of 47 deg. gravity oil and no water in 6 hours thru 1" choke on 2 1/2" tubing for a daily potential of 680 bbls. oil and no water. Gas volume 577.2 MCF per day. GOR 849. CP 0#. TP 70#.

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HISTORY OF OIL OR GAS WELL

If 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.