COPY TO O. C. C.

Hobb

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

Form 9-330

				X			

LOCATE WELL CORRECTLY

U. S. Land Office Las Cruces
Serial Number 032096 (b)
Lease or Permit to Prospect Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED JUN 17 1952

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract A. M. Lockhart B-11 Field Brunson State New Mexico
Well No. 5 Sec. 11 T. 21S R. 37E Meridian N.M.P.M. County Lea
Location 330 ft. {N. / S.} of N Line and 1650 ft. {E. / W.} of E Line of Section 11 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 [signature]

Date June 12, 1952 Title District Superintendent

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

Commenced drilling March 8, 1952 Finished drilling April 23, 1952

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 7712 to 7816 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	8 Gr.	SW		242'	Guide				
7 5/8	24.00	8R	J-55	3142'	G. shoe & F. Collar				
5 1/2	15.5	Type B thd.	Hydril	6402'	G. shoe & F. collar		See history		
5 1/2	17	8R	J-55	1480'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	255	250	Pump & Plug		
7 5/8	3149	1600	Pump & Plug		
5 1/2	7830	583	Pump & Plug		

FOLD | MARK

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 7831 feet, and from .... feet to .... feet
Cable tools were used from .... feet to .... feet, and from .... feet to .... feet

DATES

........, 19.... Put to producing May 2, 1952

The production for the first 24 hours was 932 barrels of fluid of which 100 % was oil; .... % emulsion; .... % water; and .... % sediment. Gravity, °Bé. 46

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. M. Smith, Driller T. Holsey, Driller
C. G. Gibbs, Driller ...., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1380	1380	Redbeds.
1380	1480	100	Anhydrite.
1480	2520	1040	Salt.
2520	2800	280	Anhydrite.
2800	5100	2300	Dolomite and Anhydrite.
5100	6790	1690	Dolomite, Lime and Sand.
6790	7580	790	Dolomite and Lime.
7580	7650	70	Sand and Shale.
7650	7685	35	Lime.
7685	7815	130	Dolomite.
7815	7825	10	Granite Wash.
7825	7831	6	Granite.

16—43094-2

FROM—	TO—	TOTAL FEET	FORMATION

DST #1, from 5720' to 5920', Blinebry, tool open 1 hour, light blow of air throughout test. Recovered 450' light gas-cut drilling mud. Flowing pressure 550#. 15-minute shut-in pressure 750#. Hydrastatic pressure 2900#.

DST #2, 6950' to 7205', gas to surface in 5 minutes, small amount. Tool open 1 hour. Recovered 270' gas-cut drilling mud, no oil or water. Flowing pressure 760#. 15-minute shut-in pressure 1200#. Hydrastatic pressure 3240#.

DST #3, 7205' to 7510', Lower Abo, tool open 1 hour. Good blow of air throughout test. Recovered 630' oil and gas-cut mud and 2340' oil and gas. Hydrastatic pressure 3650#. Flowing pressure 300# to 950#. 15-minute shut-in pressure 0#.

DST #4, 7700' to 7831', tool open 1 hour and 20 minutes. Gas to surface in 3 minutes. Flowed on 1 hour test 90 bbls. oil, no water, 1513 MCF gas, GOR 704. Flowed 2,148 bbls. oil per day. FP 2030#. 15-minute shut-in pressure 2598#. Hydrastatic pressure 3730#.

Set 5 1/2" casing at 7830'. Moved in reverse rig and drilled out plug to 7825'. Perforated 5 1/2" casing 7712-7716' with 48 shots, 7744-7779' with 140 shots and 7788-7816' with 104 shots. Perforations were acidized with 500 gallons acid. Well was sand shot. 2 1/2" tubing set at 7810'.
On initial potential flowed 233 bbls. of 46 deg. gravity oil, no water, in 6 hrs. thru 22/64" choke in 2 1/2" tubing, for a daily potential of 932 bbls. oil, no water, gas volume 770 MCF per day. GOR 827. CP (No gauge) TP 145#. Test began and ended 5-2-52.

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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.