Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032714
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 CC - Hobbs, N. M.
Lessor or Tract R. L. Gates A-27 Field Cooper State New Mexico
Well No. 1 Sec. 27 T. 24 R. 36 Meridian N.M.P.M. County Lea
Location 660 ft. {N. / S.} of S Line and 660 ft. {E. / W.} of E Line of Sec. 27 Elevation 3310'
(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

Date October 17, 1935 Title Dist. Supt.

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

Commenced drilling 8-30-35, 19 Finished drilling 10-11-35, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3452 to 3480 No. 4, from to
No. 2, from 3492 to 3496 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"	40	8	L.W.	232'5"	TP				
7 5/8"	24.4	8	Smls.	1658'7"	Larkin cement guide shoe				
5 1/2"	17	10	Smls.	3453'11"	Larkin cement guide shoe and float collar				
2 1/2"	6.50		E.U.S.S.	3492'11"	Tubing set at 3490'				
			tubing						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	251'	150	Halliburton		
7 5/8"	1663'	500	Halliburton		
5 1/2"	3448'	300	Halliburton		

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

TOOLS USED

Rotary tools were used from 0 feet to 3496 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing 10-11-35, 19

The production for the first 24 hours was 360 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 1,300,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. flowing thru tubing

EMPLOYEES

A. R. Reed, Driller J. C. Colbert, Driller
E. W. Reed, Driller E. C. Norwood, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

16—42094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	18		Caliche
18	20		Surface rock
20	247		Sand and shale
247	295		Hard sandy shale
295	480		Redbed and shale
480	517		Sand and lime
517	780		Sandy lime and redbed
780	1125		Redrock and sand
1125	1261		Redrock
1261	1664		Anhydrite
1664	2590		Anhydrite and salt
2590	2610		Anhydrite
2610	2855		Anhydrite and salt
2855	2880		Anhydrite
2880	3086		Anhydrite and salt
3086	3110		Anhydrite and lime shells
3110	3279		Lime
3279	3294		Sandy lime - Encountered gas 3279-88
3294	3328		Lime
3328	3369		Lime and dolomite
3369	3393		Lime
3393	3405		Lime and dolomite
3405	3480		Lime
3480	3496		Hard and soft lime

REMARKS: Drill stem test from 3430-3450' showed 416,000 gas, no water or oil test open 30 minutes. Reamed hole to 3450' and set 5 1/2" O.D. 17# seamless casing at 3448'. Plug was drilled and well drilled from 3450-3496' under pressure with oil. Drilled to 3480' and ran tubing for test well, swabbed in and flowed 22 bbls. oil per hour for 3 hours then went dead. Treated well with 1000 gallons of acid and well tested 15 bbls. oil per day, 4 million gas; pulled tubing and deepened well to 3496. Increase in oil 3492-3496', ran tubing and well showed 80 bbls. oil in 11 1/2 hours, 2,700,000 gas. Treated well with 1000 gallons of acid and well flowed at rate of 15 bbls. oil per hour, gas 1,300,000 cu. ft. thru open tubing. Completed 10-11-35

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.