

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **091695 (b)**
LEASE OR PERMIT TO PROSPECT **Lease**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 2 - 1951
OIL CONSERVATION COMMISSION
HOBBS-OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Continental Oil Company** Address **Box 66, Hobbs, New Mexico**
Lessor or Tract **Warr on Unit B-27** Field **Undesignated** State **New Mexico**
Well No. **1** Sec. **27** T. **20S** R. **38E** Meridian **N.M.P.M.** County **Lea**
Location **1900 ft. (S.)** of **N** Line and **660 ft. (E.)** of **W** Line of **Section 27** Elevation **3552'**
(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. L. Shapiro**
Date **August 1, 1951** Title **District Superintendent**

The summary on this page is for the condition of the well at above date.
Commenced drilling **March 21**, 19**51** Finished drilling **May 21**, 19**51**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **6792** to **6838** 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 steel	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8"	48	8	W-10	27	5.10	W. Collins & U. S. Steel			Shut off water
9 5/8"	36	8	W-10	100	5.10	W. Collins & U. S. Steel			Protect salt section.
5 1/2"	17.5	8	W-10	60	5.10	W. Collins & U. S. Steel			
5 1/2"	17	8	W-10	97	5.10	W. Collins & U. S. Steel	(See History)		Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	292	250	Pump & Plug		
9 5/8"	3070	1300	Pump & Plug		
5 1/2"	7775	963	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosives used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

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

DATES

19____ Lift to producing **July 2**, 19**51**

The production for the first 24 hours was **117** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **44 deg.**

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

EMPLOYEES

B. G. Dunn, Driller **J. E. Edwards**, Driller
K. C. Fendley, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1440	1440	Surface sands and red beds.
1440	1630	190	Red beds and anhydrite.
1630	2560	830	Red beds, salt and shale.
2560	2610	50	Anhydrite and salt.
2610	2910	300	Shale and anhydrite.
2910	3265	355	Anhydrite and lime.
3265	3323	58	Lime.
3323	4113	790	Anhydrite and lime.
4113	4238	125	Lime, sand and silt.
4238	4580	342	Lime.
4580	5158	578	Lime and shale.
5158	7600	2442	Lime.
7600	7611	11	Lime and chert.
7611	7635	24	Lime.
7635	7884	249	Lime and chert.
7884	7886	2	Chert.
7886	8124	238	Lime and chert.
8124	8310	186	Lime.
8310	8523	213	Lime and chert.
8523	8645	122	Lime.
8645	8825	180	Lime and shale.
8825	8845	20	Shale.
8845	9025	180	Shale and sand.
9025	9139	114	Shale, sand and chert.
9139	9205	66	Shale.
9205	9225	20	Shale and lime.

(over)

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ON CONSERVATION COMMISSION

LOCATE WELL CORRECTLY

Company _____
Address _____
State _____
County _____
Section _____
T. _____ R. _____
Location _____ of _____ line and _____ of _____
Elevation _____

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.

Date _____

Completed drilling _____
The summary on this page is for the completion of the well at above date.

Oil or Gas Sands or Zones _____
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SAMPLES _____

Set bridging plug at 6617' and perforated from 6790 to 6816', acidized with 500 gals., and on 7 hr. test recovered 38.5 bbls. oil, 13 bbls. water, and an official potential test well flowed 88 bbls. oil, no water, in 16 hrs. thru 1 1/2" casing on 2 1/2" choke on 2 1/2" tubing two a daily potential of 117 bbls. oil. Gas volume 12.1 MCF per day, GOR 103, CP 0%, IP 200%.

Set retainer at 6847' and squeezed with 50 sacks cement, perforated from 6837' to 6847' and 6827' to 6837'. Treated with 500 gals. acid and well kicked off. Flowed 21 bbls. oil in 7 hrs., and 0.45 bbls. water. Tested 33.5 bbls. oil, no water, on 7 1/2" casing, then died. Acidized with 1000 gals., and after recovering acid and oil died, snubbed and flowed 63.73 bbls. oil in 9 hrs.

Set retainer at 6864' with 100 sacks, perforated casing from 6850 to 6862', acidized with 500 gals., and snubbed 100% sulphur water with reinbow of oil.

Set retainer at 7615' and squeezed with 75 sacks cement. Perforated from 6668 to 6682', acidized with 500 gals. acid, and snubbed 100% water.

Set retainer at 7665' with 90 sacks cement, perforated from 7653 to 7664', treated with 500 gals. acid, and snubbed 100% water.

Set bridging plug at 7695' with 25 sacks cement, perforated from 7673' to 7690', and snubbed 100% sulphur water.

Set retainer at 7728' and squeezed with 35 sacks cement. Perforated 5 1/2" casing from 7702 to 7726', acidized with 500 gals., and snubbed 100% water.

The 5 1/2" casing was perforated from 7756 to 7761' and 7739 to 7750', and the cement was drilled out to 7773' and a radioactivity log was run.

The cement was drilled out to 7776' and 5 1/2" casing set at 7775' with 94.5 sacks.

9392 to 9287' with a 40 sacks cement plug and from 7690' to 7740' with 75 sacks.

Drilled to 9392', total depth, with rotary tools. The hole was plugged back from 9392' to 9287' with 40 sacks cement.

It was well on ft. per 24 hours.

Gallons gas line per 1,000 cu. ft. of gas

FROM-	TO-	TOTAL FEET	FORMATION
9225	9232	27	Lime and chert.
9246	9276	26	Lime and sand.
9306	9306	30	Sand, shale and chert.
9329	9329	23	Sand and chert.
9335	9335	26	Granite wash.
9335	9335	37	Granite.
9225	9232	27	Lime and chert.
9246	9276	26	Lime and sand.
9306	9306	30	Sand, shale and chert.
9329	9329	23	Sand and chert.
9335	9335	26	Granite wash.
9335	9335	37	Granite.

DST #1 (San Andres) from 4100 to 4170', lost open 1 hr., light blow air. Recovered 90' nearly all out mud.

DST #2 (Padre) from 5370 to 5400', lost open 1 hr., light blow air throughout test. Recovered 1000' sulphur water, no oil or gas.

DST #3 (Permian) from 6665 to 6779', lost open 1 hr., light blow air throughout test. Recovered 90' slightly all out mud.

DST #4 (Permian) from 6780 to 6916', lost open 1 hr., 30 mins., medium blow through-out test, gas to surface in 45 mins. Recovered 300' oil, 2940' salt water.

DST #5 (Devonian) from 7650 to 7780', lost open 2 hr., good blow of air throughout test. Recovered 30' gas all, 730' all out drilling mud.

DST #6 (Devonian) from 7699' to 7843', lost open 1 hr., with steady blow air through-out. Recovered 6720' sulphur water, no oil or gas.

DST #7 (Nevada) from 8909 to 8965', lost open 1 hr., light blow air. Recovered 50' drilling fluid, 1800' salt water.

DST #8 (Gunnison) from 9210 to 9261', lost open 1 hr., 30 mins. Full blow air through-out test. Recovered 100' drilling mud and 500' salt water.

DST #9 (Kilbuck) from 9230 to 9306', lost open 1 hr., light blow air throughout test. Recovered 180' drilling mud, no oil, gas or water.

DST #10 (East Sand and Granite Wash) from 9305 to 9392', lost open 1 hr., 10 mins. Light blow of air throughout test. Recovered 30' drilling mud, 240' clear salt water.

Rock pressure lbs. per sq. in.

It was well on ft. per 24 hours.