DUPLICATE

Form 9-330

Budget Bureau No. 42-R355.1.
Approval Expires 11-30-49.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032096 (a)
LEASE OR PERMIT TO PROSPECT

RECEIVED
FEB - 6 1951
CONSERVATION COMMISSION
HOBBS, N. MEX. OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

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

Lessor or Tract A. M. Lockhart A-27 Field Drinkard State New Mexico

Well No. 7 Sec. 27 T. 21S R. 37E Meridian N.M.P.M. County Lea

Location 810 ft. {N.} of N Line and 660 ft. {E.} of W Line of Section 27 Elevation 3429 (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 [illegible]

Date February 5, 1951 Title District Superintendent

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

Commenced drilling December 15, 1949 Finished drilling January 16, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6515 to 6618 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
13 3/8"	48#	8 R		197					
13 3/8"	36#	8 R		80	Guide				
9 5/8"	36#	8 R		2654	Guide Shoe & Float Collar				
7"	23#	8 R		6629	Guide Shoe & Float Collar		6515	6612	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	216	250	Pump & plug		
9 5/8"	2654	1350	Pump & plug		
7"	6629	650	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

TOOLS USED

Rotary tools were used from 0 feet to 6630 feet, and from feet to feet

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

DATES

, 19 Put to producing February 5, 1950

The production for the first 24 hours was 134 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 40°

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

Rock pressure, lbs. per sq. in. 1096 psi

EMPLOYEES

M. C. Nuce, Driller O. L. Taylor, Driller

J. M. Cason, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1000	1000	Surface sand & red bed
1000	1220	220	Sand & shale
1220	1300	80	Anhydrite & shale
1300	2500	1200	No samples
2500	2560	60	Anhydrite
2560	2640	80	Anhydrite & shale
2640	2750	110	Dolomite & anhydrite
2750	4890	2140	No samples
4890	5000	110	Dolomite & anhydrite
5000	5140	140	Lime & Dolomite
5140	6480	1340	Dolomite
6480	6630	150	Lime & Dolomite
6630	Total Depth		

Drilled to T.D. 6630 & set 7" casing at 6629. Drilled out cement plug to 6626 and perforated casing from 6550-63, 6567-80, 6584-90, and 6596 to 6612. Swabbed hole dry. Acidized perforations 6596 to 6612 with 500 gallons with packer set at 6592. Swabbed 90 barrels oil , no water, in 4 hours. Acidized perforations from 6550 to 6612 with 1,000 gallons and swabbed 75 barrels oil in 8 hours. Reacidized perforations 6550 to 6612 with 3,000 gallons and swabbed 18 barrels oil in 5 hours. Set bridging plug at 6547 and perforated casing from 6528 to 6545. Acidized thru perforations with 1,000 gallons and flowed 47 barrels oil in 5 hours. Set bridging plug at 6525 and perforated from 6515 to 6523. Well flowed 21 barrels oil in 1 hour. Acidized thru perforations with 1,000 gallons. Well flowed 85 barrels oil in 8 hours. Drilled out bridging plug at 6525 and completed for initial potential of 134 barrels oil per day with GOR 1344. Perforations open for Production: 6515 to 6523 and 6528 to 6545.

(OVER)

16—43094-2

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
			completed to 1,[illegible] feet. Drilled to 1,[illegible] feet. Drilled 15 hours. Hole in fair condition. Preparations being made for formation test.
			Formation tops: Top of [illegible] at 5,[illegible]; top of [illegible] at 5,[illegible].

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
		0001	Surface sand & red bed
0001	0550	550	Sand & shale
0550	1300	750	Anhydrite & shale
1300	2020	720	No samples
2020	2520	500	Anhydrite
2520	2740	220	Anhydrite & shale
2740	3110	370	No samples
3110	3420	310	Dolomite & anhydrite
3420	3660	240	No samples
3660	3900	240	Dolomite & anhydrite
3900	4040	140	Lime & Dolomite
4040	4340	300	Dolomite
4340	4630	290	Lime & Dolomite

Drilled 17½" hole to 40'. Drilled one cement plug of 60sx [illegible]. Drilled 12¼" hole to 1,[illegible]. Drilled one cement plug of 60sx [illegible]. Drilled 8¾" hole to 4,630'. Ran 102 joints 7" casing to 4,630'. Cemented with 250sx [illegible]. Plug down at 2:[illegible] p.m. Cement circulated. Cut off casing and nipple up. Drilled cement plug at 4,[illegible]. Drilled 6¼" hole to 5,[illegible]. Ran 6¼" hole to 5