

Form 9-380

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 0317A1 (b)
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract H. C. Hawk B-3 No. 4-E Field North Brunson State New Mexico
Well No. 4-E Sec. 3 T. 21S R. 37E Meridian N.M.P.M. County Lea
Location 1650 ft. (N.) of S Line and 1650 ft. (E) of E Line of Section 3 Elevation 3432
(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 December 6, 1951 Title District Superintendent

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

Commenced drilling September 23, 1951 Finished drilling November 11, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7920 to 8038 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		Purpose
							From—	To—	
10 3/4	32.75		IN	238'	Guide				
7 5/8	26.45	8R	N-80	3129'	Guide shoe and float collar				
7 5/8	26.40	8R	A-55	581'	Guide shoe and float collar				
5 1/2	19.5	8R	J-55	2539'	Guide shoe and float collar				See history
5 1/2	17	8R	J-55	1409'					
5 1/2	17	8R	N-80	259'					
5 1/2	14	8R	J-55	3922'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	266	250	Pump & Plug		
7 5/8	3154	1335	Pump & Plug		
5 1/2	3069	680	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

TOOLS USED

Rotary tools were used from _____ feet to 8070 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing November 30, 1951

The production for the first 24 hours was 1,243 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

_____, Driller R. E. Swarers _____, Driller J. E. Claybrook
_____, Driller V. L. Lain _____, Driller

FORMATION RECORD

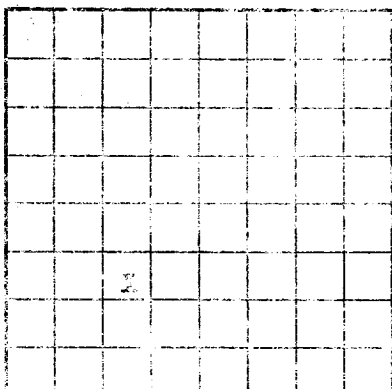
FROM—	TO—	TOTAL FEET	FORMATION
0	1310	1310	Redbeds.
1310	1440	130	Anhydrite.
1440	2470	1030	Salt.
2470	5237	2767	Anhydrite and red shale.
5237	5684	447	Lime and Dolomite.
5684	6168	931	Dolomite.
6168	6493	325	Sand and Dolomite.
6493	7490	997	Dolomite.
7490	7515	25	Dolomite and Shale.
7515	7831	316	Sand and Shale.
7831	7883	52	Sand and Shale.
7883	7920	37	Limestone.
7920	8033	113	Dolomite.
8033	8060	27	Granite Wash.
8060	8070	10	Granite.

DET. #1, 5720-5855, tool open 1 hour 30 minutes. Light blow gas to surface in 45 minutes, gas too small to measure. Recovered 630' heavily oil and gas-cut mud, no water. Shut-in pressure 1850#. Flowing pressure 140# to 445#.
DET. #2, 7150-7200, gas to surface in 1 minute, fluid in 15 minutes. Flashed on 1 hour test 66 bbls. oil, no water, gas 1552.3 MCF, GR 1007. Flowing pressure 1250# to 1255#, 15-minute shut-in pressure 2200#. Put tool in steel to 7200.
DET. #3, 7200-7271, tool open 1 hour 30 minutes, gas to surface in 3 minutes, fluid in 7 minutes. Flashed on 1 hour test 66 bbls. oil, no water, with gas 1374.4 MCF. GR 868. Flowing pressure 1250# to 2200#. Shut-in pressure 15 minutes 1850#.

DET. #4, 7271-8070, tool open 2 hours 30 minutes. Light blow of gas to surface in 15 minutes. Recovered 1691 light oil and gas-cut mud. 15-minute shut-in pressure 1850#. Flowing pressure 140# to 445#.

(OVER)

LOG OF OIL OR GAS WELL



Company _____
Address _____
State _____
County _____
Well No. _____
Location _____
This information given herewith is a complete and correct record of the well and all work done thereon
as far as is determined from all available records.
Signed _____
Title _____
The summary on this page is for the use of the well as above data.
Summary of drilling _____
Oil or Gas Sands or Cones _____
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____
No. 7 from _____ to _____
No. 8 from _____ to _____
No. 9 from _____ to _____
No. 10 from _____ to _____
No. 11 from _____ to _____
No. 12 from _____ to _____
No. 13 from _____ to _____
No. 14 from _____ to _____
No. 15 from _____ to _____
No. 16 from _____ to _____
No. 17 from _____ to _____
No. 18 from _____ to _____
No. 19 from _____ to _____
No. 20 from _____ to _____
No. 21 from _____ to _____
No. 22 from _____ to _____
No. 23 from _____ to _____
No. 24 from _____ to _____
No. 25 from _____ to _____
No. 26 from _____ to _____
No. 27 from _____ to _____
No. 28 from _____ to _____
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No. 30 from _____ to _____
No. 31 from _____ to _____
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No. 33 from _____ to _____
No. 34 from _____ to _____
No. 35 from _____ to _____
No. 36 from _____ to _____
No. 37 from _____ to _____
No. 38 from _____ to _____
No. 39 from _____ to _____
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No. 48 from _____ to _____
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No. 89 from _____ to _____
No. 90 from _____ to _____
No. 91 from _____ to _____
No. 92 from _____ to _____
No. 93 from _____ to _____
No. 94 from _____ to _____
No. 95 from _____ to _____
No. 96 from _____ to _____
No. 97 from _____ to _____
No. 98 from _____ to _____
No. 99 from _____ to _____
No. 100 from _____ to _____

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 well and its results. If there were any changes made in the casing, state fully, and if any casing was added, or left in the well, give its size and location. If the well was cased in cement, state the size, position, and number of pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. 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 well and its results. If there were any changes made in the casing, state fully, and if any casing was added, or left in the well, give its size and location. If the well was cased in cement, state the size, position, and number of pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

U. S. GOVERNMENT PRINTING OFFICE
10-42094-1
HISTORY OF OIL OR GAS WELL

DATE	DESCRIPTION	DEPTH	REMARKS
1900	Drilled to 100 feet	100	Found oil at 100 feet
1901	Drilled to 200 feet	200	Found oil at 200 feet
1902	Drilled to 300 feet	300	Found oil at 300 feet
1903	Drilled to 400 feet	400	Found oil at 400 feet
1904	Drilled to 500 feet	500	Found oil at 500 feet
1905	Drilled to 600 feet	600	Found oil at 600 feet
1906	Drilled to 700 feet	700	Found oil at 700 feet
1907	Drilled to 800 feet	800	Found oil at 800 feet
1908	Drilled to 900 feet	900	Found oil at 900 feet
1909	Drilled to 1000 feet	1000	Found oil at 1000 feet
1910	Drilled to 1100 feet	1100	Found oil at 1100 feet
1911	Drilled to 1200 feet	1200	Found oil at 1200 feet
1912	Drilled to 1300 feet	1300	Found oil at 1300 feet
1913	Drilled to 1400 feet	1400	Found oil at 1400 feet
1914	Drilled to 1500 feet	1500	Found oil at 1500 feet
1915	Drilled to 1600 feet	1600	Found oil at 1600 feet
1916	Drilled to 1700 feet	1700	Found oil at 1700 feet
1917	Drilled to 1800 feet	1800	Found oil at 1800 feet
1918	Drilled to 1900 feet	1900	Found oil at 1900 feet
1919	Drilled to 2000 feet	2000	Found oil at 2000 feet
1920	Drilled to 2100 feet	2100	Found oil at 2100 feet
1921	Drilled to 2200 feet	2200	Found oil at 2200 feet
1922	Drilled to 2300 feet	2300	Found oil at 2300 feet
1923	Drilled to 2400 feet	2400	Found oil at 2400 feet
1924	Drilled to 2500 feet	2500	Found oil at 2500 feet
1925	Drilled to 2600 feet	2600	Found oil at 2600 feet
1926	Drilled to 2700 feet	2700	Found oil at 2700 feet
1927	Drilled to 2800 feet	2800	Found oil at 2800 feet
1928	Drilled to 2900 feet	2900	Found oil at 2900 feet
1929	Drilled to 3000 feet	3000	Found oil at 3000 feet
1930	Drilled to 3100 feet	3100	Found oil at 3100 feet
1931	Drilled to 3200 feet	3200	Found oil at 3200 feet
1932	Drilled to 3300 feet	3300	Found oil at 3300 feet
1933	Drilled to 3400 feet	3400	Found oil at 3400 feet
1934	Drilled to 3500 feet	3500	Found oil at 3500 feet
1935	Drilled to 3600 feet	3600	Found oil at 3600 feet
1936	Drilled to 3700 feet	3700	Found oil at 3700 feet
1937	Drilled to 3800 feet	3800	Found oil at 3800 feet
1938	Drilled to 3900 feet	3900	Found oil at 3900 feet
1939	Drilled to 4000 feet	4000	Found oil at 4000 feet
1940	Drilled to 4100 feet	4100	Found oil at 4100 feet
1941	Drilled to 4200 feet	4200	Found oil at 4200 feet
1942	Drilled to 4300 feet	4300	Found oil at 4300 feet
1943	Drilled to 4400 feet	4400	Found oil at 4400 feet
1944	Drilled to 4500 feet	4500	Found oil at 4500 feet
1945	Drilled to 4600 feet	4600	Found oil at 4600 feet
1946	Drilled to 4700 feet	4700	Found oil at 4700 feet
1947	Drilled to 4800 feet	4800	Found oil at 4800 feet
1948	Drilled to 4900 feet	4900	Found oil at 4900 feet
1949	Drilled to 5000 feet	5000	Found oil at 5000 feet
1950	Drilled to 5100 feet	5100	Found oil at 5100 feet
1951	Drilled to 5200 feet	5200	Found oil at 5200 feet
1952	Drilled to 5300 feet	5300	Found oil at 5300 feet
1953	Drilled to 5400 feet	5400	Found oil at 5400 feet
1954	Drilled to 5500 feet	5500	Found oil at 5500 feet
1955	Drilled to 5600 feet	5600	Found oil at 5600 feet
1956	Drilled to 5700 feet	5700	Found oil at 5700 feet
1957	Drilled to 5800 feet	5800	Found oil at 5800 feet
1958	Drilled to 5900 feet	5900	Found oil at 5900 feet
1959	Drilled to 6000 feet	6000	Found oil at 6000 feet
1960	Drilled to 6100 feet	6100	Found oil at 6100 feet
1961	Drilled to 6200 feet	6200	Found oil at 6200 feet
1962	Drilled to 6300 feet	6300	Found oil at 6300 feet
1963	Drilled to 6400 feet	6400	Found oil at 6400 feet
1964	Drilled to 6500 feet	6500	Found oil at 6500 feet
1965	Drilled to 6600 feet	6600	Found oil at 6600 feet
1966	Drilled to 6700 feet	6700	Found oil at 6700 feet
1967	Drilled to 6800 feet	6800	Found oil at 6800 feet
1968	Drilled to 6900 feet	6900	Found oil at 6900 feet
1969	Drilled to 7000 feet	7000	Found oil at 7000 feet
1970	Drilled to 7100 feet	7100	Found oil at 7100 feet
1971	Drilled to 7200 feet	7200	Found oil at 7200 feet
1972	Drilled to 7300 feet	7300	Found oil at 7300 feet
1973	Drilled to 7400 feet	7400	Found oil at 7400 feet
1974	Drilled to 7500 feet	7500	Found oil at 7500 feet
1975	Drilled to 7600 feet	7600	Found oil at 7600 feet
1976	Drilled to 7700 feet	7700	Found oil at 7700 feet
1977	Drilled to 7800 feet	7800	Found oil at 7800 feet
1978	Drilled to 7900 feet	7900	Found oil at 7900 feet
1979	Drilled to 8000 feet	8000	Found oil at 8000 feet
1980	Drilled to 8100 feet	8100	Found oil at 8100 feet
1981	Drilled to 8200 feet	8200	Found oil at 8200 feet
1982	Drilled to 8300 feet	8300	Found oil at 8300 feet
1983	Drilled to 8400 feet	8400	Found oil at 8400 feet
1984	Drilled to 8500 feet	8500	Found oil at 8500 feet
1985	Drilled to 8600 feet	8600	Found oil at 8600 feet
1986	Drilled to 8700 feet	8700	Found oil at 8700 feet
1987	Drilled to 8800 feet	8800	Found oil at 8800 feet
1988	Drilled to 8900 feet	8900	Found oil at 8900 feet
1989	Drilled to 9000 feet	9000	Found oil at 9000 feet
1990	Drilled to 9100 feet	9100	Found oil at 9100 feet
1991	Drilled to 9200 feet	9200	Found oil at 9200 feet
1992	Drilled to 9300 feet	9300	Found oil at 9300 feet
1993	Drilled to 9400 feet	9400	Found oil at 9400 feet
1994	Drilled to 9500 feet	9500	Found oil at 9500 feet
1995	Drilled to 9600 feet	9600	Found oil at 9600 feet
1996	Drilled to 9700 feet	9700	Found oil at 9700 feet
1997	Drilled to 9800 feet	9800	Found oil at 9800 feet
1998	Drilled to 9900 feet	9900	Found oil at 9900 feet
1999	Drilled to 10000 feet	10000	Found oil at 10000 feet

PLUGS AND ADAPTORS
Length _____
Diameter _____
Material _____
Location _____
Remarks _____
Date _____
By _____

TESTING RECORD
Date _____
Time _____
Pressure _____
Flow _____
Remarks _____
By _____

FORMATION	TOTAL FEET	TO	FROM
Gravel	10	1000	0
Sand	20	980	1000
Clay	30	950	980
Shale	40	910	950
Limestone	50	860	910
Sandstone	60	800	860
Coal	70	730	800
Marl	80	650	730
Gypsum	90	560	650
Salt	100	460	560
Brine	110	350	460
Water	120	250	350
Oil	130	150	250
Gas	140	50	150
Other	150	0	50

FORMATION RECORD - Continued
Pressure _____
Flow _____
Remarks _____
By _____
Date _____