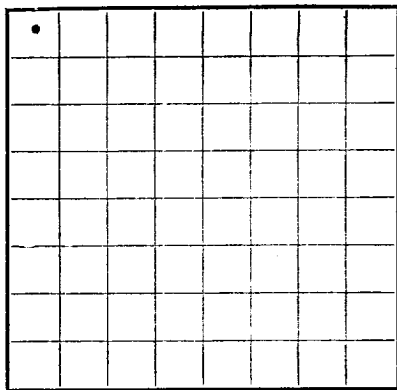


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER NM-09392

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
JAN 20 1954
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Leda Oil Company Address McCaney TexasLessor or Tract Elliott-Hargraves Field Black River State New MexicoWell No. 13 Sec. 24 T24S R26E Meridian County EddyLocation 330 ft. N. of 13 Line and 530 ft. E. of 13 Line of Section 24 Elevation (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 January 6 1954 Title Superintendent

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

Commenced drilling November 20, 1953 Finished drilling December 11, 1953OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 1974 to 1978 T.D. 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 50 to 80 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, 33	8	8	J&L	87	Reg				Cave
8 5/8, 28	8	8	J&L	463	Reg				Station
4 1/2, 19	8	8	J&L	1961	Reg				Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	87				
8 5/8	463				
	1961				

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 _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 1978 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing December 11, 1953The production for the first 24 hours was 25 barrels of fluid of which 52 % was oil; _____ % emulsion; 48 % 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. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	50	50	Clay & Shale
50	58	8	Sand & Gravel
58	86	22	Lime shells & gravel
80	110	30	Red rock, Anhydrite & Potash
110	125	15	Anhy, Potash & Blue shale
125	160	35	" " "
160	180	20	Anhydrite & Shale
180	330	150	Anhydrite
330	365	35	White Anhydrite
365	915	550	Anhydrite
915	1095	180	Anhydrite & Brown Lime
1095	1100	5	Anhydrite & Salt
1100	1120	20	Salt
1120	1135	15	Anhydrite & Salt
1135	1330	195	Salt
1330	1400	70	Anhydrite & Salt
1400	1420	20	Anhy, Sand & Gray Lime
1420	1440	20	Anhydrite & Salt
1440	1460	20	Anhydrite & Salt
1460	1615	155	Salt
1615	1630	15	Anhydrite & Brown Lime
1630	1650	20	Sand, Anhydrite & Lime
1650	1675	25	Gray & Brown Lime
1675	1810	135	Anhydrite & Gray Lime
1810	1888	78	Gray Lime & Anhydrite

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-2

FORMATION RECORD—Continued

Alfred
12-31-32
42-R3225

LEADS OR PERMIT TO INSPECT
SERIAL NUMBER 44-6374
U.S. LAND OFFICE 12-2-78

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY

4291 O S VAL

YOUNG JAMES ...
COUGH ...

LOG OF OIL OR GAS WELL

LOCATE WELL CHIEF

The information given above is as complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date and day of _____ of _____ Time of completion _____

Location _____ North _____ East _____ West _____ South _____

Well No. _____ Section _____ Township _____ Range _____ Meridian _____

Lesson or Trust _____ State _____

Right _____ Blk _____ Stn _____

Address _____ County _____ Texas _____

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

(b) (5) DPP

OIL OR GAS SANDS OR ZONES

.....	01		from 4.0Z		01		from 4.0Z
.....	02		from 3.0Z		02		from 3.0Z
.....	03		from 2.0Z		03		from 2.0Z

IMPORTANT WATER SANDS

..... 01	mon 3.0%	 01	mon 1.0%
..... 01	mon 1.0%	 01	mon 0.0%

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE

BUILDING AND CEMENTING RECORD

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

PLUGS AND ADAPTERS

SHOOTING RECORD		Adapters - 1st order		Covering ring - 1st order	
Size	Length	Size	Length	Size	Length
.....					
.....					

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

It was well run for 24 hours and produced 1000 cu. ft. of gas.	Production for the first 24 hours was 1000 cu. ft. of gas.
Gravity, 86° 38'.	Specific gravity, 0.86.
Part to producing December 12, 1910.	Part to producing December 12, 1910.

EMPLOYEES

[illegible]

INFORMATION RECORD

Year	Black Lime	Black & Brown Lime	Brown Lime & Little sand	Black & Brown Lime & Sand	Black Lime & Sand	Gray, Silty Sand, Show oil	Gray, Silty Sand	Clean Gray Sand, Increase in oil T. D.
1968	1950	28	12	2	1	2	1	108
1969	1950	28	12	2	1	2	1	108
1970	1950	28	12	2	1	2	1	108
1971	1950	28	12	2	1	2	1	108
1972	1950	28	12	2	1	2	1	108
1973	1950	28	12	2	1	2	1	108
1974	1950	28	12	2	1	2	1	108
1975	1950	28	12	2	1	2	1	108
1976	1950	28	12	2	1	2	1	108
1977	1950	28	12	2	1	2	1	108
1978	1950	28	12	2	1	2	1	108
1979	1950	28	12	2	1	2	1	108
1980	1950	28	12	2	1	2	1	108