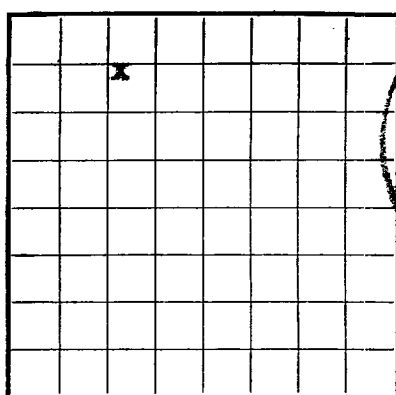
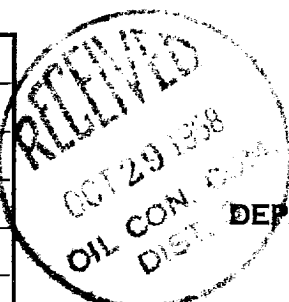




LOCATE WELL CORRECTLY

Jicarilla
U. S. LAND OFFICE
SERIAL NUMBER **Contract 111**
LEASE OR PERMIT TO PROSPECT
Jicarilla Tribal

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

OCT 27 1958

U. S. GEOLOGICAL SURVEY
NEW MEXICO

LOG OF OIL OR GAS WELL

Company **EL PASO NATURAL GAS COMPANY** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Jicarilla** Field **Blanco PC Ext** State **New Mexico**
Well No. **12-N** Sec. **7** T. **24N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. [N] of **N** Line and **1187** ft. [E] of **W** Line of **Sec. 7** Elevation **6807**
(Derrick base relative to spot 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.

Date _____ Signed _____ Title **Senior Petroleum Engineer**

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

Commenced drilling **August 7th**, 19**58** Finished drilling **August 16th**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2766** to **2838 (G)** 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—	
8-5/8"	24#	8	J-55	93					Surface
5-1/2"	25.5#	8	J-55	2881	Texas Pattern		2766	2778	Production
							2776	2798	
							2818	2838	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	103	70	Pump & Plug		
5-1/2"	2880	100	" " "		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
Adapters—Material **None** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from **Surface** feet to **2880** feet, and from _____ feet to _____ feet
Cable tools were used from **to complete** feet to _____ feet, and from _____ feet to _____ feet

Run Tubing

August 23rd, 19**58**

DATES

Potential Test

Put to producing **October 27th**, 19**58**

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

If gas well, cu. ft. per 24 hours **1,070,000**

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **883**

EMPLOYEES

Benson-Montin-Greer, Driller _____, Driller
Drilling Corp., Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2738	2738	Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations
2738	2742	4	Coal
2742	2748	6	Shale
2748	2751	3	Coal
2751	2760	9	Shale
2760	2763	3	Coal
2763	2766	3	Shale
2766	2838	72	Sand
2838	2880	42	Shale
			TOP OF PICTURED CLIFFS (EL) 2766'

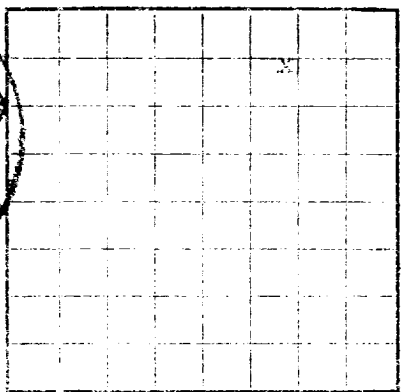
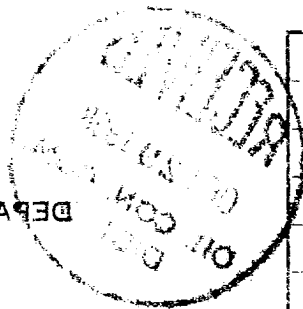
(OVER)

16-43094-4

FORMATION RECORD—Continued

U.S. Land Office
Serial Number
Lease or Permit to Prospect
Location

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company, LE 111
Location, No. 1, from
Well No. 1, from
Lesson or Test
8-23-58
After 72 hours flowing 309 MCF/day. Ran 92 joints 2824'
of 1-1/4" RKB tubing landed at 2832'. Shut well in
Address
for potential test.
The information so far as can be determined is as follows:
26,000 gallons water and 30,000# sand, finished with
9,500 gallons water. Breakdown pressure 2300#.
In two stages during treatment. Average injection rate
60.8 barrels per minute.
T. R. Meridian
County
Location
8-20-58
Cleaned out to 2854'. Perforated 2766-72', 2776-96',
2818-38' with 4 shots per foot. Sandrased with
8-19-58
Moved in cable tools. Pressured up on casing to 1000#.
No pressure decrease in one hour.
The summary on this page is for the condition of the well at above date.
8-16-58
TD 2880' RKB. Set 72 joints 2881' of 5-1/2" OD 15.5#
1-75 casing at 2880' with 100 sacks cement to
Temperature survey showed top of cement at 2210'.
8-11-58
Moved in rotary. Pressured up on casing to 500#. No
pressure decrease in 30 minutes.
8-8-58
TD 103' RKB. Set 3 joints 93' of 8-5/8" OD 24# J-55
casing at 103' with 70 sacks cement, circulated to
surface.
8-7-58
Moved in to set surface casing. Spudded.
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together
with the reasons for the work and its results. If there were any changes made in the casing, state fully, and in any casing was
"sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

Casing size	Water used	Number sacks of cement	Method used	Fluid gravity	Amount of mud used
10 1/2"	3700	100	Power		

PLUGS AND ADAPTERS

Adapter—Material	Length	Depth set
Heaving plug—Material		

SHOOTING RECORD

Shot	Shell used	Depth set	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

Put to production _____
The production for the first 24 hours was _____ barrels of fluid of which _____ was oil.
emulsion; _____ water; and _____ sediment.
It was well out in per 24 hours _____
Rock pressure _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2838	2832	6	Shale
2832	2824	8	Shale
2824	2818	6	Shale
2818	2812	6	Shale
2812	2806	6	Shale
2806	2800	6	Shale
2800	2794	6	Shale
2794	2788	6	Shale
2788	2782	6	Shale
2782	2776	6	Shale
2776	2770	6	Shale
2770	2764	6	Shale
2764	2758	6	Shale
2758	2752	6	Shale
2752	2746	6	Shale
2746	2740	6	Shale
2740	2734	6	Shale
2734	2728	6	Shale
2728	2722	6	Shale
2722	2716	6	Shale
2716	2710	6	Shale
2710	2704	6	Shale
2704	2698	6	Shale
2698	2692	6	Shale
2692	2686	6	Shale
2686	2680	6	Shale
2680	2674	6	Shale
2674	2668	6	Shale
2668	2662	6	Shale
2662	2656	6	Shale
2656	2650	6	Shale
2650	2644	6	Shale
2644	2638	6	Shale
2638	2632	6	Shale
2632	2626	6	Shale
2626	2620	6	Shale
2620	2614	6	Shale
2614	2608	6	Shale
2608	2602	6	Shale
2602	2596	6	Shale
2596	2590	6	Shale
2590	2584	6	Shale
2584	2578	6	Shale
2578	2572	6	Shale
2572	2566	6	Shale
2566	2560	6	Shale
2560	2554	6	Shale
2554	2548	6	Shale
2548	2542	6	Shale
2542	2536	6	Shale
2536	2530	6	Shale
2530	2524	6	Shale
2524	2518	6	Shale
2518	2512	6	Shale
2512	2506	6	Shale
2506	2500	6	Shale
2500	2494	6	Shale
2494	2488	6	Shale
2488	2482	6	Shale
2482	2476	6	Shale
2476	2470	6	Shale
2470	2464	6	Shale
2464	2458	6	Shale
2458	2452	6	Shale
2452	2446	6	Shale
2446	2440	6	Shale
2440	2434	6	Shale
2434	2428	6	Shale
2428	2422	6	Shale
2422	2416	6	Shale
2416	2410	6	Shale
2410	2404	6	Shale
2404	2398	6	Shale
2398	2392	6	Shale
2392	2386	6	Shale
2386	2380	6	Shale
2380	2374	6	Shale
2374	2368	6	Shale
2368	2362	6	Shale
2362	2356	6	Shale
2356	2350	6	Shale
2350	2344	6	Shale
2344	2338	6	Shale
2338	2332	6	Shale
2332	2326	6	Shale
2326	2320	6	Shale
2320	2314	6	Shale
2314	2308	6	Shale
2308	2302	6	Shale
2302	2296	6	Shale
2296	2290	6	Shale
2290	2284	6	Shale
2284	2278	6	Shale
2278	2272	6	Shale
2272	2266	6	Shale
2266	2260	6	Shale
2260	2254	6	Shale
2254	2248	6	Shale
2248	2242	6	Shale
2242	2236	6	Shale
2236	2230	6	Shale
2230	2224	6	Shale
2224	2218	6	Shale
2218	2212	6	Shale
2212	2206	6	Shale
2206	2200	6	Shale
2200	2194	6	Shale
2194	2188	6	Shale
2188	2182	6	Shale
2182	2176	6	Shale
2176	2170	6	Shale
2170	2164	6	Shale
2164	2158	6	Shale
2158	2152	6	Shale
2152	2146	6	Shale
2146	2140	6	Shale
2140	2134	6	Shale
2134	2128	6	Shale
2128	2122	6	Shale
2122	2116	6	Shale
2116	2110	6	Shale
2110	2104	6	Shale
2104	2098	6	Shale
2098	2092	6	Shale
2092	2086	6	Shale
2086	2080	6	Shale
2080	2074	6	Shale
2074	2068	6	Shale
2068	2062	6	Shale
2062	2056	6	Shale
2056	2050	6	Shale
2050	2044	6	Shale
2044	2038	6	Shale
2038	2032	6	Shale
2032	2026	6	Shale
2026	2020	6	Shale
2020	2014	6	Shale
2014	2008	6	Shale
2008	2002	6	Shale
2002	1996	6	Shale
1996	1990	6	Shale
1990	1984	6	Shale
1984	1978	6	Shale
1978	1972	6	Shale
1972	1966	6	Shale
1966	1960	6	Shale
1960	1954	6	Shale
1954	1948	6	Shale
1948	1942	6	Shale
1942	1936	6	Shale
1936	1930	6	Shale
1930	1924	6	Shale
1924	1918	6	Shale
1918	1912	6	Shale
1912	1906	6	Shale
1906	1900	6	Shale
1900	1894	6	Shale
1894	1888	6	Shale
1888	1882	6	Shale
1882	1876	6	Shale
1876	1870	6	Shale
1870	1864	6	Shale
1864	1858	6	Shale
1858	1852	6	Shale
1852	1846	6	Shale
1846	1840	6	Shale
1840	1834	6	Shale
1834	1828	6	Shale
1828	1822	6	Shale
1822	1816	6	Shale
1816	1810	6	Shale
1810	1804	6	Shale
1804	1798	6	Shale
1798	1792	6	Shale
1792	1786	6	Shale
1786	1780	6	Shale
1780	1774	6	Shale
1774	1768	6	Shale
1768	1762	6	Shale
1762	1756	6	Shale
1756	1750	6	Shale
1750	1744	6	Shale
1744	1738	6	Shale
1738	1732	6	Shale
1732	1726	6	Shale
1726	1720	6	Shale
1720	1714	6	Shale
1714	1708	6	Shale
1708	1702	6	Shale
1702	1696	6	Shale
1696	1690	6	Shale
1690	1684	6	Shale
1684	1678	6	Shale
1678	1672	6	Shale
1672	1666	6	Shale
1666	1660	6	Shale
1660	1654	6	Shale
1654	1648	6	Shale
1648	1642	6	Shale
1642	1636	6	Shale
1636	1630	6	Shale
1630	1624	6	Shale
1624	1618	6	Shale
1618	1612	6	Shale
1612	1606	6	Shale
1606	1600	6	Shale
1600	1594	6	Shale
1594	1588	6	Shale
1588	1582	6	Shale
1582	1576	6	Shale
1576	1570	6	Shale
1570	1564	6	Shale
1564	1558	6	Shale
1558	1552	6	Shale
1552	1546	6	Shale
1546	1540	6	Shale
1540	1534	6	Shale
1534	1528	6	Shale
1528	1522	6	Shale
1522	1516	6	Shale
1516	1510	6	Shale
1510	1504	6	Shale
1504	1498	6	Shale
1498	1492	6	Shale
1492	1486	6	Shale
1486	1480	6	Shale
1480	1474	6	Shale
1474	1468	6	Shale
1468	1462	6	Shale
1462	1456	6	Shale
1456	1450	6	Shale
1450	1444	6	Shale
1444	1438	6	Shale
1438	1432	6	Shale
1432	1426	6	Shale
1426	1420	6	Shale
1420	1414	6	Shale
1414	1408	6	Shale
1408	1402	6	Shale
1402	1396	6	Shale
1396	1390	6	Shale
1390	1384	6	Shale
1384	1378	6	Shale
1378	1372	6	Shale
1372	1366	6	Shale
1366	1360	6	Shale
1360	1354	6	Shale
1354	1348	6	Shale
1348	1342	6	Shale
1342	1336	6	Shale
1336	1330	6	Shale
1330	1324	6	Shale
1324	1318	6	Shale
1318	1312	6	Shale
1312	1306	6	Shale
1306	1300	6	Shale
1300	1294	6	Shale
1294	1288	6	Shale
1288	1282	6	Shale
1282	1276	6	Shale
1276	1270	6	Shale
1270	1264	6	Shale
1264	1258	6	Shale
1258	1252	6	Shale
1252	1246	6	Shale
1246	1240	6	Shale
1240	1234	6	Shale
1234	1228	6	Shale
1228	1222	6	Shale
1222	1216	6	Shale
1216	1210	6	Shale
1210	1204	6	Shale
1204	1198	6	Shale
1198	1192	6	Shale
1192	1186	6	Shale
1186	1180	6	Shale
1180	1174	6	Shale
1174	1168	6	Shale
1168	1162	6	Shale
1162	1156	6	Shale
1156	1150	6	Shale
1150	1144	6	Shale