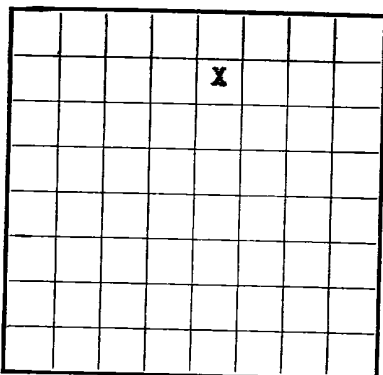




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079319**
LEASE OR PERMIT TO PROSPECTUNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Schwerdtfeger** Field **Blanco** State **New Mexico**
Well No. **15-A** Sec. **21** T. **27N** R. **8W** Meridian **N.M.P.M.** County **San Juan**
Location **865** ft. **S.** of **N** Line and **2250** ft. **E.** of **E** Line of **Section 21** Elevation **6310'**
(Derriek 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 **Original Signed D. C. Johnson**
Date **July 2, 1958** Title **Petroleum Engineer**

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

Commenced drilling **4-21-**, 1958 Finished drilling **5-9-**, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2433** to **2485 (G)** No. 4, from **4722** to **4856 (G)**
No. 2, from **4054** to **4108 (G)** No. 5, from _____ to _____
No. 3, from **4108** to **4722 (G)** 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 foot	Make	Amount	Kind of shoe	Cut and pulled	Purpose
10 3/4"	32.75	P.E.	S.W.	162'	Hawco		Surface
7 5/8"	26.50	8 Rd.	J-55	4506'	Hawco		Intermediate
5 1/2"	11.50	8 Rd.	J-55	4892'	Hawco		Prod. liner
HISTORY OF OIL OR GAS WELL							
2"	4.7	8 Rd.	J-55	4892'			Prod. tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	150	circulated		
7 5/8"	4506'	300	single stage		
5 1/2"	4434-4892'	150	single stage		

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
See Well History						

TOOLS USED

Rotary tools were used from **175** feet to **4507** feet, and from **4507** feet to **4896** feet
Cable tools were used from **0** feet to **175** feet, and from _____ feet to _____ feet

DATES

5-15-, 1958 Put to producing _____, 19____

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 **3,750,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1091** A.O.F.=**5884 MCF/D**

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	1725	1725	Tan to gry cr-grn ss interbedded w/gry sh.
1725	2167	442	Ojo Alamo ss. White cr-grn s.
2167	2433	266	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2433	2485	52	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2485	4054	1569	Pictured Cliffs form. Gry, fine-grn, tight, varicolored sft ss.
4054	4108	54	Levis formation. Gry to white dense sh w/silty to shaly ss breaks.
4108	4722	614	Cliff House ss. Gry, fine-grn, dense sil ss.
4722	4856	134	Manatee form. Gry, fine-grn s, carb sh & coal.
4856	4896	40	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
			Manecos form. Gry carb sh.

(OVER)

16-43094-4

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORNER IN

and sends to New York for notification and not at your club no response - 11/11

NOV 20 1964

1890-1891

Year	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	2100
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	2100	

IMPOUNDMENT WATER THAT FORMS

9-11-58
SMT Point Lookout park (2) water meter, 10,000 gal. water, 10,000 gal. water, 10,000 gal.
4819-361 4819-56 w/10,000 gal. water, 10,000 gal. water, 10,000 gal. water, 10,000 gal.
I.B. 58 B.P.M. Max. pressure 5000#, to 2000#, tank, Dr. 1400-
1600-2200-2800-3400#. dropped 4 sets of 25 balls each, balled off after
47,500# sand, dropped 2 sets of 5 balls each.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, lower with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, so set in the well, give size and location. If the well has been dynamited, give date, size, position, and method of shoring. 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

[illegible]

FORMATION RECORD—Continued

Downloaded from <https://www.cambridge.org/core>. University of Cambridge, on 01 Jun 2018 at 10:00:00, subject to the Cambridge Core terms of use, available at <https://www.cambridge.org/core/terms>. <https://doi.org/10.1017/9781315326477.005>