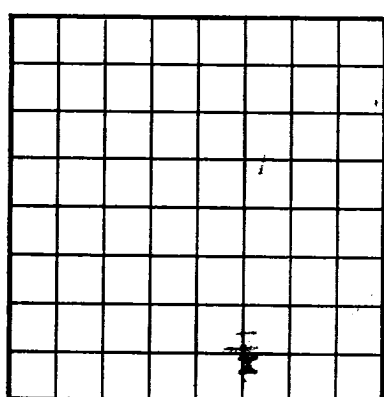




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 028992 B

LEASE OR PERMIT TO PROSPECT

30-015-04269

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company ROLAND RICH WOOLLEY Address Box 398, Loco Hills
Lessor or Tract Roland Rich Woolley Field Premier State New Mexico
Arnold Well No. 7-B Sec. 22 T. 17 R. 30 Meridian N.M.P.M. County Eddy
Location 510 ft. {N.} of S. Line and 1980 ft. {E.} of E. Line of Sec. 22 Elevation 3640'
(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

J. P. Brusee
Title Superintendent

Date

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

Commenced drilling August 12, 1945. Finished drilling September 27, 1945.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1875' to 1887' No. 4, from _____ to _____
No. 2, from 2949' to 2955' No. 5, from _____ to _____
No. 3, from 3088' to 3094' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 370' 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"	28#	8V	used	488'	Tex. Pat.				
7"	17#	8R	Both	2942'	"				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8"	488'	50	Halliburton		Top to bottom
7"	2942'	100	"		"

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
	5"	Glycerine	350 qts	9/28	3145'	3153'
	2 1/2" & 5"	"	165 "	9/29	3007'	3153'

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

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Carl Rothrock, Driller W.H. Settlemire, Driller
_____, Driller _____, Driller

FORMATION RECORD

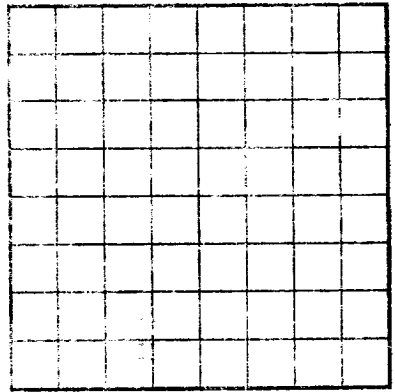
FROM—	TO—	TOTAL FEET	FORMATION
0	70	70	Red sand
70	265	195	" bed
265	350	185	Anhydrite
350	465	115	Red bed
465	1175	710	Salt
1175	1500	325	Anhydrite
1500	1550	50	" and red bed breaks
1550	1625	75	"
1625	1635	10	Blue shale
1635	1760	125	Anhydrite
1760	1795	35	Brown sandy lime breaks
1795	1805	10	Anhydrite
1805	1815	10	Blue shale
1815	1835	20	Anhydrite
1835	1840	5	Brown lime
1840	1875	35	Anhydrite
1875	1887	12	Brown lime breaks
1887	1910	13	" "
1910	1925	15	" sandy lime
1925	2147	222	Anhydrite
2147	2160	21	Red rock
2160	2339	179	Anhydrite
2339	2353	14	Sand and blue shale
2353	2393	40	Red sand
2393	2461	78	Anhydrite
2461	2475	14	" , lime shells and sand

(OVER)

16-43094-2

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company Name _____
Address _____
State _____
County _____
Well No. _____
Location _____
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 _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

CASING RECORD

Casing	Size	Weight	Thread	Make	Amount	Kind of shoe	Cut and pulled in	Remarks

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 work and its results. If there were any changes made in the casing, state fully, and if any casing was added, state the size and position. If the well has been dynamited, give date, size, position, and number of shots. If pipes 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

16-43004-1 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Casing	Size	Weight	Thread	Make	Amount	Kind of shoe	Cut and pulled in	Remarks

PLUGS AND ADAPTERS

Adapter	Material	Size	Remarks

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 _____ feet to _____ feet and from _____ feet to _____ feet.

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ G was oil.
Put to producing _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FORMATION	DEPTH	DESCRIPTION
2425	2425	anhydrite and lime shells
2420	2420	lime
2415	2415	lime, shells, anhydrite and red bed bks.
2410	2410	anhydrite
2405	2405	sandy lime
2400	2400	anhydrite
2395	2395	Red sand
2390	2390	anhydrite
2385	2385	and red bed
2380	2380	" " " " " " " "
2375	2375	Grey lime
2370	2370	" " " " " " " "
2365	2365	and red bed
2360	2360	Red sand
2355	2355	anhydrite
2350	2350	and red bed
2345	2345	lime, shells, anhydrite and red bed bks.
2340	2340	lime
2335	2335	lime, shells, anhydrite and red bed bks.
2330	2330	lime
2325	2325	lime, shells, anhydrite and red bed bks.
2320	2320	lime
2315	2315	lime, shells, anhydrite and red bed bks.
2310	2310	lime
2305	2305	lime, shells, anhydrite and red bed bks.
2300	2300	lime
2295	2295	lime, shells, anhydrite and red bed bks.
2290	2290	lime
2285	2285	lime, shells, anhydrite and red bed bks.
2280	2280	lime
2275	2275	lime, shells, anhydrite and red bed bks.
2270	2270	lime
2265	2265	lime, shells, anhydrite and red bed bks.
2260	2260	lime
2255	2255	lime, shells, anhydrite and red bed bks.
2250	2250	lime
2245	2245	lime, shells, anhydrite and red bed bks.
2240	2240	lime
2235	2235	lime, shells, anhydrite and red bed bks.
2230	2230	lime
2225	2225	lime, shells, anhydrite and red bed bks.
2220	2220	lime
2215	2215	lime, shells, anhydrite and red bed bks.
2210	2210	lime
2205	2205	lime, shells, anhydrite and red bed bks.
2200	2200	lime
2195	2195	lime, shells, anhydrite and red bed bks.
2190	2190	lime
2185	2185	lime, shells, anhydrite and red bed bks.
2180	2180	lime
2175	2175	lime, shells, anhydrite and red bed bks.
2170	2170	lime
2165	2165	lime, shells, anhydrite and red bed bks.
2160	2160	lime
2155	2155	lime, shells, anhydrite and red bed bks.
2150	2150	lime
2145	2145	lime, shells, anhydrite and red bed bks.
2140	2140	lime
2135	2135	lime, shells, anhydrite and red bed bks.
2130	2130	lime
2125	2125	lime, shells, anhydrite and red bed bks.
2120	2120	lime
2115	2115	lime, shells, anhydrite and red bed bks.
2110	2110	lime
2105	2105	lime, shells, anhydrite and red bed bks.
2100	2100	lime
2095	2095	lime, shells, anhydrite and red bed bks.
2090	2090	lime
2085	2085	lime, shells, anhydrite and red bed bks.
2080	2080	lime
2075	2075	lime, shells, anhydrite and red bed bks.
2070	2070	lime
2065	2065	lime, shells, anhydrite and red bed bks.
2060	2060	lime
2055	2055	lime, shells, anhydrite and red bed bks.
2050	2050	lime
2045	2045	lime, shells, anhydrite and red bed bks.
2040	2040	lime
2035	2035	lime, shells, anhydrite and red bed bks.
2030	2030	lime
2025	2025	lime, shells, anhydrite and red bed bks.
2020	2020	lime
2015	2015	lime, shells, anhydrite and red bed bks.
2010	2010	lime
2005	2005	lime, shells, anhydrite and red bed bks.
2000	2000	lime
1995	1995	lime, shells, anhydrite and red bed bks.
1990	1990	lime
1985	1985	lime, shells, anhydrite and red bed bks.
1980	1980	lime
1975	1975	lime, shells, anhydrite and red bed bks.
1970	1970	lime
1965	1965	lime, shells, anhydrite and red bed bks.
1960	1960	lime
1955	1955	lime, shells, anhydrite and red bed bks.
1950	1950	lime
1945	1945	lime, shells, anhydrite and red bed bks.
1940	1940	lime
1935	1935	lime, shells, anhydrite and red bed bks.
1930	1930	lime
1925	1925	lime, shells, anhydrite and red bed bks.
1920	1920	lime
1915	1915	lime, shells, anhydrite and red bed bks.
1910	1910	lime
1905	1905	lime, shells, anhydrite and red bed bks.
1900	1900	lime
1895	1895	lime, shells, anhydrite and red bed bks.
1890	1890	lime
1885	1885	lime, shells, anhydrite and red bed bks.
1880	1880	lime
1875	1875	lime, shells, anhydrite and red bed bks.
1870	1870	lime
1865	1865	lime, shells, anhydrite and red bed bks.
1860	1860	lime
1855	1855	lime, shells, anhydrite and red bed bks.
1850	1850	lime
1845	1845	lime, shells, anhydrite and red bed bks.
1840	1840	lime
1835	1835	lime, shells, anhydrite and red bed bks.
1830	1830	lime
1825	1825	lime, shells, anhydrite and red bed bks.
1820	1820	lime
1815	1815	lime, shells, anhydrite and red bed bks.
1810	1810	lime
1805	1805	lime, shells, anhydrite and red bed bks.
1800	1800	lime
1795	1795	lime, shells, anhydrite and red bed bks.
1790	1790	lime
1785	1785	lime, shells, anhydrite and red bed bks.
1780	1780	lime
1775	1775	lime, shells, anhydrite and red bed bks.
1770	1770	lime
1765	1765	lime, shells, anhydrite and red bed bks.
1760	1760	lime
1755	1755	lime, shells, anhydrite and red bed bks.
1750	1750	lime
1745	1745	lime, shells, anhydrite and red bed bks.
1740	1740	lime
1735	1735	lime, shells, anhydrite and red bed bks.
1730	1730	lime
1725	1725	lime, shells, anhydrite and red bed bks.
1720	1720	lime
1715	1715	lime, shells, anhydrite and red bed bks.
1710	1710	lime
1705	1705	lime, shells, anhydrite and red bed bks.
1700	1700	lime
1695	1695	lime, shells, anhydrite and red bed bks.
1690	1690	lime
1685	1685	lime, shells, anhydrite and red bed bks.
1680	1680	lime
1675	1675	lime, shells, anhydrite and red bed bks.
1670	1670	lime
1665	1665	lime, shells, anhydrite and red bed bks.
1660	1660	lime
1655	1655	lime, shells, anhydrite and red bed bks.
1650	1650	lime
1645	1645	lime, shells, anhydrite and red bed bks.
1640	1640	lime
1635	1635	lime, shells, anhydrite and red bed bks.
1630	1630	lime
1625	1625	lime, shells, anhydrite and red bed bks.
1620	1620	lime
1615	1615	lime, shells, anhydrite and red bed bks.
1610	1610	lime
1605	1605	lime, shells, anhydrite and red bed bks.
1600	1600	lime
1595	1595	lime, shells, anhydrite and red bed bks.
1590	1590	lime
1585	1585	lime, shells, anhydrite and red bed bks.
1580	1580	lime
1575	1575	lime, shells, anhydrite and red bed bks.
1570	1570	lime
1565	1565	lime, shells, anhydrite and red bed bks.
1560	1560	lime
1555	1555	lime, shells, anhydrite and red bed bks.
1550	1550	lime
1545	1545	lime, shells, anhydrite and red bed bks.
1540	1540	lime
1535	1535	lime, shells, anhydrite and red bed bks.
1530	1530	lime
1525	1525	lime, shells, anhydrite and red bed bks.
1520	1520	lime
1515	1515	lime, shells, anhydrite and red bed bks.
1510	1510	lime
1505	1505	lime, shells, anhydrite and red bed bks.
1500	1500	lime
1495	1495	lime, shells, anhydrite and red bed bks.
1490	1490	lime
1485	1485	lime, shells, anhydrite and red bed bks.
1480	1480	lime
1475	1475	lime, shells, anhydrite and red bed bks.
1470	1470	lime
1465	1465	lime, shells, anhydrite and red bed bks.
1460	1460	lime
1455	1455	lime, shells, anhydrite and red bed bks.
1450	1450	lime
1445	1445	lime, shells, anhydrite and red bed bks.
1440	1440	lime
1435	1435	lime, shells, anhydrite and red bed bks.
1430	1430	lime
1425	1425	lime, shells, anhydrite and red bed bks.
1420	1420	lime
1415	1415	lime, shells, anhydrite and red bed bks.
1410	1410	lime
1405	1405	lime, shells, anhydrite and red bed bks.
1400	1400	lime
1395	1395	lime, shells, anhydrite and red bed bks.
1390	1390	lime
1385	1385	lime, shells, anhydrite and red bed bks.
1380	1380	lime
1375	1375	lime, shells, anhydrite and red bed bks.
1370	1370	lime
1365	1365	lime, shells, anhydrite and red bed bks.
1360	1360	lime
1355	1355	lime, shells, anhydrite and red bed bks.
1350	1350	lime
1345	1345	lime, shells, anhydrite and red bed bks.
1340	1340	lime
1335	1335	lime, shells, anhydrite and red bed bks.
1330	1330	lime
1325	1325	lime, shells, anhydrite and red bed bks.
1320	1320	lime
1315	1315	lime, shells, anhydrite and red bed bks.
1310	1310	lime
1305	1305	lime, shells, anhydrite and red bed bks.
1300	1300	lime
1295	1295	lime, shells, anhydrite and red bed bks.
1290	1290	lime
1285	1285	lime, shells, anhydrite and red bed bks.
1280	1280	lime
1275	1275	lime, shells, anhydrite and red bed bks.
1270	1270	lime
1265	1265	lime, shells, anhydrite and red bed bks.
1260	1260	lime
1255	1255	lime, shells, anhydrite and red bed bks.
1250	1250	lime
1245	1245	lime, shells, anhydrite and red bed bks.
1240	1240	lime
1235	1235	lime, shells, anhydrite and red bed bks.
1230	1230	lime
1225	1225	lime, shells, anhydrite and red bed bks.
1220	1220	lime
1215	1215	lime, shells, anhydrite and red bed bks.
1210	1210	lime
1205	1205	lime, shells, anhydrite and red bed bks.
1200	1200	lime
1195	1195	lime, shells, anhydrite and red bed bks.
1190	1190	lime
1185	1185	lime, shells, anhydrite and red bed bks.
1180	1180	lime
1175	1175	lime, shells, anhydrite and red bed bks.
1170	1170	lime
1165	1165	lime, shells, anhydrite and red bed bks.
1160	1160	lime
1155	1155	lime, shells, anhydrite and red bed bks.
1150	1150	lime
1145	1145	lime, shells, anhydrite and red bed bks.
1140	1140	lime
1135	1135	lime, shells, anhydrite and red bed bks.
1130	1130	lime
1125	1125	lime, shells, anhydrite and red bed bks.
1120	1120	lime
1115	1115	lime, shells, anhydrite and red bed bks.
1110	1110	lime
1105	1105	lime, shells, anhydrite and red bed bks.
1100	1100	lime
1095	1095	lime, shells, anhydrite and red bed bks.
1090	1090	lime
1085	1085	lime, shells, anhydrite and red bed bks.
1080	1080	lime
1075	1075	lime, shells, anhydrite and red bed bks.
1070	1070	lime
1065	1065	lime, shells, anhydrite and red bed bks.
1060	1060	lime
1055	1055	lime, shells, anhydrite and red bed bks.
1050	1050	lime
1045	1045	lime, shells, anhydrite and red bed bks.
1040	1040	lime
1035	1035	lime, shells, anhydrite and red bed bks.
1030	1030	lime
1025	1025	lime, shells, anhydrite and red bed bks.
1020	1020	lime
1015	1015	lime, shells, anhydrite and red bed bks.
1010	1010	lime
1005	1005	lime, shells, anhydrite and red bed bks.
1000	1000	lime
995	995	lime, shells, anhydrite and red bed bks.
990	990	lime
985	985	lime, shells, anhydrite and red bed bks.
980	980	lime
975	975	lime, shells, anhydrite and red bed bks.
970	970	lime
965	965	lime, shells, anhydrite and red bed bks.
960	960	lime
955	955	lime, shells, anhydrite and red bed bks.
950	950	lime
945	945	lime, shells, anhydrite and red bed bks.
940	940	lime
935	935	lime, shells, anhydrite and red bed bks.
930	930	lime
925	925	lime, shells, anhydrite and red bed bks.
920	920	lime
915	915	lime, shells, anhydrite and red bed bks.
910	910	lime
905	905	lime, shells, anhydrite and red bed bks.
900	900	lime
895	895	lime, shells, anhydrite and red bed bks.
890	890	lime
885	885	lime, shells, anhydrite and red bed bks.
880	880	lime
875	875	lime, shells, anhydrite and red bed bks.
870	870	lime
865	865	lime, shells, anhydrite and red bed bks.
860	860	lime
855	855	lime, shells, anhydrite and red bed bks.
850	850	lime
845	845	lime, shells, anhydrite and red bed bks.
840	840	lime
835	835	lime