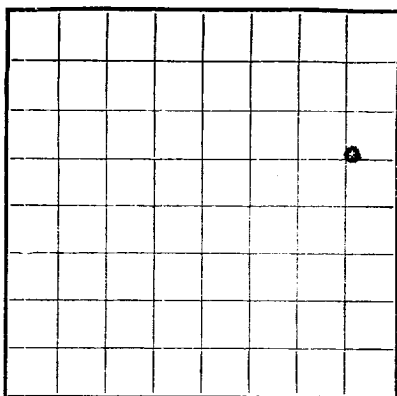




LOCATE WELL CORRECTLY

COPY TO O. C. C.

U. S. LAND OFFICE Las Cruces, N.M.SERIAL NUMBER MM04943LEASE OR PERMIT TO PROSPECT Thorn UnitUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Stanolind Oil and Gas Company Address Box 68, Hobbs, New Mexico
Lessor or Tract Thorn Unit Field Wildcat State New Mexico
Well No. 1 Sec. 15 T. 21-S R. 14-E Meridian N.M.P.M. County Otero
Location 1980 ft. S. of N. Line and 660 ft. W. of E. Line of Section 15 Elevation DF 6400'
(Derrick floor relative to sea level) est.

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 Ralph H. HendricksonDate 3-30-54Title Field Superintendent

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

Commenced drilling 7-3, 19 53 Finished drilling 9-4, 19 54

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
<u>13-3/8 365</u>	<u>8R</u>	<u>8R</u>	<u>Arneo</u>	<u>294</u>	<u>Guide</u>				<u>Surface</u>
<u>9-5/8 2803</u>	<u>8R</u>	<u>8R</u>	<u>Arneo</u>	<u>778</u>	<u>Guide</u>				<u>Intermediate</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8 365</u>		<u>150 5% gel + 150 sz.</u>	<u>Howco Plug</u>		
<u>9-5/8 2803</u>		<u>200 5% gel + 100 sz.</u>	<u>Howco Plug</u>		

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 0 feet to 4646 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing See Below *, 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

D. C. Box, Driller C. F. Keel, Driller
J. E. Hammock, Driller W. C. Welch, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	159	159	Lime
159	1021	862	Dolomite
1021	2399	1378	Lime
2399	2565	166	Dolomite
2565	2703	138	Red Shale and Lime
2703	2820	117	Dolomite
2820	3698	878	Shale and Lime
3698	3749	51	Chert and Red Shale
3749	3900	151	Lime and shale
3900	3915	15	Chert and Lime
3915	4032	117	Lime and Shale
4032	4085	53	Lime and Shale
4085	4280	195	Lime and Shale
4280	4314	34	Lime
4314	4385	71	Lime
4385	4410	25	Lime and cherty Shale
4410	4574	164	Lime and Shale
4574	4581	7	Chert and Lime
4581	4595	14	Shale
4595	4610	15	Chert & Lime
4610	4646	36	Lime and Shale

*Temporarily abandoned - See Form 9331A dated September 29, 1953

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

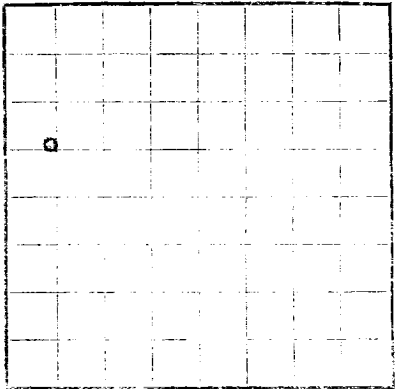
16-43094-2

FORMATION RECORD—CONTINUED

U.S. LAND OFFICE
BUREAU NUMBER
PLEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company, Stationing and Location
Lessor or Trust
Well No. 1
Location of well and line of section 12
Elevation of well

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 1-30-34 Title Field Supervisor

The summary on this page is for the condition of the well at above date.
Commenced drilling 7-3 1933 Finished drilling 10-31 1933

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

CASING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
13-3/8	36	8	API	100	API	100	From 100 to 100	For pumping or pulling

HISTORY OF OIL OR GAS WELL

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 the results. If there were any changes made in the casing, state fully, and if any casing was attached or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If bridges or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

MUDDING AND CEMENTING RECORD

Casing size	Thread set	Number sacks of cement	Method of used	Mud to water	Amount of mud used
13-3/8	8	100	API	100	100

PISTONS AND ADAPTERS

Heaving plug—Material
Adapters—Material
Deposited

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared 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
emulsion; water; and sediment.
If gas well, cu. ft. per 24 hours
Rock pressure, lbs. per sq. in.
Put to producing
Barrels of fluid of which was oil;
Gravity, °Bé.
Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

Driller
Derrick
Derrick
Derrick

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	152	152	lime
152	1001	849	colomias
1001	1016	15	lime
1016	1065	49	colomias
1065	1075	10	red shale and lime
1075	1080	5	colomias
1080	1098	18	shale and lime
1098	1117	19	shale and red shale
1117	1121	4	lime and shale
1121	1125	4	shale and lime
1125	1137	12	lime and shale
1137	1147	10	lime and shale
1147	1152	5	lime and shale
1152	1157	5	lime and shale
1157	1162	5	lime and shale
1162	1167	5	lime and shale
1167	1172	5	lime and shale
1172	1177	5	lime and shale
1177	1182	5	lime and shale
1182	1187	5	lime and shale
1187	1192	5	lime and shale
1192	1197	5	lime and shale
1197	1202	5	lime and shale
1202	1207	5	lime and shale
1207	1212	5	lime and shale
1212	1217	5	lime and shale
1217	1222	5	lime and shale
1222	1227	5	lime and shale
1227	1232	5	lime and shale
1232	1237	5	lime and shale
1237	1242	5	lime and shale
1242	1247	5	lime and shale
1247	1252	5	lime and shale
1252	1257	5	lime and shale
1257	1262	5	lime and shale
1262	1267	5	lime and shale
1267	1272	5	lime and shale
1272	1277	5	lime and shale
1277	1282	5	lime and shale
1282	1287	5	lime and shale
1287	1292	5	lime and shale
1292	1297	5	lime and shale
1297	1302	5	lime and shale
1302	1307	5	lime and shale
1307	1312	5	lime and shale
1312	1317	5	lime and shale
1317	1322	5	lime and shale
1322	1327	5	lime and shale
1327	1332	5	lime and shale
1332	1337	5	lime and shale
1337	1342	5	lime and shale
1342	1347	5	lime and shale
1347	1352	5	lime and shale
1352	1357	5	lime and shale
1357	1362	5	lime and shale
1362	1367	5	lime and shale
1367	1372	5	lime and shale
1372	1377	5	lime and shale
1377	1382	5	lime and shale
1382	1387	5	lime and shale
1387	1392	5	lime and shale
1392	1397	5	lime and shale
1397	1402	5	lime and shale
1402	1407	5	lime and shale
1407	1412	5	lime and shale
1412	1417	5	lime and shale
1417	1422	5	lime and shale
1422	1427	5	lime and shale
1427	1432	5	lime and shale
1432	1437	5	lime and shale
1437	1442	5	lime and shale
1442	1447	5	lime and shale
1447	1452	5	lime and shale
1452	1457	5	lime and shale
1457	1462	5	lime and shale
1462	1467	5	lime and shale
1467	1472	5	lime and shale
1472	1477	5	lime and shale
1477	1482	5	lime and shale
1482	1487	5	lime and shale
1487	1492	5	lime and shale
1492	1497	5	lime and shale
1497	1502	5	lime and shale
1502	1507	5	lime and shale
1507	1512	5	lime and shale
1512	1517	5	lime and shale
1517	1522	5	lime and shale
1522	1527	5	lime and shale
1527	1532	5	lime and shale
1532	1537	5	lime and shale
1537	1542	5	lime and shale
1542	1547	5	lime and shale
1547	1552	5	lime and shale
1552	1557	5	lime and shale
1557	1562	5	lime and shale
1562	1567	5	lime and shale
1567	1572	5	lime and shale
1572	1577	5	lime and shale
1577	1582	5	lime and shale
1582	1587	5	lime and shale
1587	1592	5	lime and shale
1592	1597	5	lime and shale
1597	1602	5	lime and shale
1602	1607	5	lime and shale
1607	1612	5	lime and shale
1612	1617	5	lime and shale
1617	1622	5	lime and shale
1622	1627	5	lime and shale
1627	1632	5	lime and shale
1632	1637	5	lime and shale
1637	1642	5	lime and shale
1642	1647	5	lime and shale
1647	1652	5	lime and shale
1652	1657	5	lime and shale
1657	1662	5	lime and shale
1662	1667	5	lime and shale
1667	1672	5	lime and shale
1672	1677	5	lime and shale
1677	1682	5	lime and shale
1682	1687	5	lime and shale
1687	1692	5	lime and shale
1692	1697	5	lime and shale
1697	1702	5	lime and shale
1702	1707	5	lime and shale
1707	1712	5	lime and shale
1712	1717	5	lime and shale
1717	1722	5	lime and shale
1722	1727	5	lime and shale
1727	1732	5	lime and shale
1732	1737	5	lime and shale
1737	1742	5	lime and shale
1742	1747	5	lime and shale
1747	1752	5	lime and shale
1752	1757	5	lime and shale
1757	1762	5	lime and shale
1762	1767	5	lime and shale
1767	1772	5	lime and shale
1772	1777	5	lime and shale
1777	1782	5	lime and shale
1782	1787	5	lime and shale
1787	1792	5	lime and shale
1792	1797	5	lime and shale
1797	1802	5	lime and shale
1802	1807	5	lime and shale
1807	1812	5	lime and shale
1812	1817	5	lime and shale
1817	1822	5	lime and shale
1822	1827	5	lime and shale
1827	1832	5	lime and shale
1832	1837	5	lime and shale
1837	1842	5	lime and shale
1842	1847	5	lime and shale
1847	1852	5	lime and shale
1852	1857	5	lime and shale
1857	1862	5	lime and shale
1862	1867	5	lime and shale
1867	1872	5	lime and shale
1872	1877	5	lime and shale
1877	1882	5	lime and shale
1882	1887	5	lime and shale
1887	1892	5	lime and shale
1892	1897	5	lime and shale
1897	1902	5	lime and shale
1902	1907	5	lime and shale
1907	1912	5	lime and shale
1912	1917	5	lime and shale
1917	1922	5	lime and shale
1922	1927	5	lime and shale
1927	1932	5	lime and shale
1932	1937	5	lime and shale
1937	1942	5	lime and shale
1942	1947	5	lime and shale
1947	1952	5	lime and shale
1952	1957	5	lime and shale
1957	1962	5	lime and shale
1962	1967	5	lime and shale
1967	1972	5	lime and shale
1972	1977	5	lime and shale
1977	1982	5	lime and shale
1982	1987	5	lime and shale
1987	1992	5	lime and shale
1992	1997	5	lime and shale
1997	2002	5	lime and shale
2002	2007	5	lime and shale
2007	2012	5	lime and shale
2012	2017	5	lime and shale
2017	2022	5	lime and shale
2022	2027	5	lime and shale
2027	2032	5	lime and shale
2032	2037	5	lime and shale
2037	2042	5	lime and shale
2042	2047	5	lime and shale
2047	2052	5	lime and shale
2052	2057	5	lime and shale
2057	2062	5	lime and shale
2062	2067	5	lime and shale
2067	2072	5	lime and shale
2072	2077	5	lime and shale
2077	2082	5	lime and shale
2082	2087	5	lime and shale
2087	2092	5	lime and shale
2092	2097	5	lime and shale
2097	2102	5	lime and shale
2102	2107	5	lime and shale
2107	2112	5	lime and shale
2112	2117	5	lime and shale
2117	2122	5	lime and shale
2122	2127	5	lime and shale
2127	2132	5	lime and shale
2132	2137	5	lime and shale
2137	2142	5	lime and shale
2142	2147	5	lime and shale
2147	2152	5	lime and shale
2152	2157	5	lime and shale
2157	2162	5	lime and shale
2162	2167	5	lime and shale
2167	2172	5	lime and shale
2172	2177	5	lime and shale
2177	2182	5	lime and shale
2182	2187	5	lime and shale
2187	2192	5	lime and shale
2192	2197	5	lime and shale
2197	2202	5	lime and shale
2202	2207	5	lime and shale
2207	2212	5	lime and shale
2212	2217	5	lime and shale
2217	2222	5	lime and shale
2222	2227	5	lime and shale
2227	2232	5	lime and shale
2232	2237	5	lime and shale
2237	2242	5	lime and shale
2242	2247	5	lime and shale
2247	2252	5	lime and shale
2252	2257	5	lime and shale
2257	2262	5	lime and shale
2262	2267	5	lime and shale
2267	2272	5	lime and shale
2272	2277	5	lime and shale
2277	2282	5	lime and shale
2282	2287	5	lime and shale
2287	2292	5	lime and shale
2292	2297	5	lime and shale
2297	2302	5	lime and shale
2302	2307	5	lime and shale
2307	2312	5	lime and shale
2312	2317	5	lime and shale
2317	2322	5	lime and shale
2322	2327	5	lime and shale
2327	2332	5	lime and shale
2332	2337	5	lime and shale
2337	2342	5	lime and shale
2342	2347	5	lime and shale
2347	2352	5	lime and shale
2352	2357	5	lime and shale
2357	2362	5	lime and shale
2362	2367	5	lime and shale
2367	2372	5	lime and shale
2372	2377	5	lime and shale
2377	2382	5	lime and shale
2382	2387	5	lime and shale
2387	2392	5	lime and shale
2392	2397	5	lime and shale
2397	2402	5	lime and shale
2402	2407	5	lime and shale
2407	2412	5	lime and shale
2412	2417	5	lime and shale
2417	2422	5	lime and shale
2422	2427	5	lime and shale
2427	2432	5	lime and shale
2432	2437	5	lime and shale
2437	2442	5	lime and shale
2442	2447	5	lime and shale
2447	2452	5	lime and shale
2452	2457	5	lime and shale
2457	2462	5	lime and shale
2462	2467	5	lime and shale
2467	2472	5	lime and shale
2472	2477	5	lime and shale
2477	2482	5	lime and shale
2482	2487	5	lime and shale
2487	2492	5	lime and shale
2492	2497	5	lime and shale
2497	2502	5	lime and shale
2502	2507	5	lime and shale
2507	2512	5	lime and shale
2512	2517	5	lime and shale
2517	2522	5	lime and shale