

U. S. LAND OFFICE New Mexico

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT
G. A. Spencer-Federal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company W.W. Holmes Address Box 567 - Amarillo, Texas
 Lessor or Tract G.A. Spencer-Federal Field Wildcat State New Mexico
 Well No. 1 Sec. 10 T. 18 R. 3W Meridian N.M.P.M. County Sandoval
 Location 330 ft. XXX of S Line and 330 ft. XXX of E Line of N Sec. 10 Elevation 5696 Gr.
 (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.

Date 5/4/61 Title Office Manager

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

Commenced drilling 4-14-61, 1961 Finished drilling 4-25-61, 1961

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 _____

RECEIVED

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____ **ON COM.**
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	11.5'	5 sacks	Circ. to surface		

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 1415 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

4/25/61, 19 Put to producing F & A, 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

----- Jack W. Holmes -----, Driller -----, Driller
----- T.C. Durban -----, Driller -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25		Sandrock
25	104		Sandy shale
104	160		Gray sand
160	240		Sandy shale w/ coal & Hard sandstone
240	300		Sandy shale
300	350		Sand
350	440		Sandy shale
440	460		Shale
460	495		Sand
495	510		Shale
510	610		Shale, sand & coal
610	630		Sand
630	766		Sand & shale
766	830		Shale
830	845		Sand
845	860		Shale
860	965		Sand
965	1015		Sand, shale & coal
1015	1055		Shale
1055	1065		Sand
1065	1095		Shale & Bentonite
1095	1158		Shale, sand streaks
1158	1190		Sand, shale & coal
1190	1198		Sand

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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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
1758	1752	6	Shale
1758	1740	18	Shale & shale
1758	1735	23	Shale
1758	1725	33	Shale
1758	1715	43	Shale
1758	1705	53	Shale
1758	1695	63	Shale
1758	1685	73	Shale
1758	1675	83	Shale
1758	1665	93	Shale
1758	1655	103	Shale
1758	1645	113	Shale
1758	1635	123	Shale
1758	1625	133	Shale
1758	1615	143	Shale
1758	1605	153	Shale
1758	1595	163	Shale
1758	1585	173	Shale
1758	1575	183	Shale
1758	1565	193	Shale
1758	1555	203	Shale
1758	1545	213	Shale
1758	1535	223	Shale
1758	1525	233	Shale
1758	1515	243	Shale
1758	1505	253	Shale
1758	1495	263	Shale
1758	1485	273	Shale
1758	1475	283	Shale
1758	1465	293	Shale
1758	1455	303	Shale
1758	1445	313	Shale
1758	1435	323	Shale
1758	1425	333	Shale
1758	1415	343	Shale
1758	1405	353	Shale
1758	1395	363	Shale
1758	1385	373	Shale
1758	1375	383	Shale
1758	1365	393	Shale
1758	1355	403	Shale
1758	1345	413	Shale
1758	1335	423	Shale
1758	1325	433	Shale
1758	1315	443	Shale
1758	1305	453	Shale
1758	1295	463	Shale
1758	1285	473	Shale
1758	1275	483	Shale
1758	1265	493	Shale
1758	1255	503	Shale
1758	1245	513	Shale
1758	1235	523	Shale
1758	1225	533	Shale
1758	1215	543	Shale
1758	1205	553	Shale
1758	1195	563	Shale
1758	1185	573	Shale
1758	1175	583	Shale
1758	1165	593	Shale
1758	1155	603	Shale
1758	1145	613	Shale
1758	1135	623	Shale
1758	1125	633	Shale
1758	1115	643	Shale
1758	1105	653	Shale
1758	1095	663	Shale
1758	1085	673	Shale
1758	1075	683	Shale
1758	1065	693	Shale
1758	1055	703	Shale
1758	1045	713	Shale
1758	1035	723	Shale
1758	1025	733	Shale
1758	1015	743	Shale
1758	1005	753	Shale
1758	995	763	Shale
1758	985	773	Shale
1758	975	783	Shale
1758	965	793	Shale
1758	955	803	Shale
1758	945	813	Shale
1758	935	823	Shale
1758	925	833	Shale
1758	915	843	Shale
1758	905	853	Shale
1758	895	863	Shale
1758	885	873	Shale
1758	875	883	Shale
1758	865	893	Shale
1758	855	903	Shale
1758	845	913	Shale
1758	835	923	Shale
1758	825	933	Shale
1758	815	943	Shale
1758	805	953	Shale
1758	795	963	Shale
1758	785	973	Shale
1758	775	983	Shale
1758	765	993	Shale
1758	755	1003	Shale
1758	745	1013	Shale
1758	735	1023	Shale
1758	725	1033	Shale
1758	715	1043	Shale
1758	705	1053	Shale
1758	695	1063	Shale
1758	685	1073	Shale
1758	675	1083	Shale
1758	665	1093	Shale
1758	655	1103	Shale
1758	645	1113	Shale
1758	635	1123	Shale
1758	625	1133	Shale
1758	615	1143	Shale
1758	605	1153	Shale
1758	595	1163	Shale
1758	585	1173	Shale
1758	575	1183	Shale
1758	565	1193	Shale
1758	555	1203	Shale
1758	545	1213	Shale
1758	535	1223	Shale
1758	525	1233	Shale
1758	515	1243	Shale
1758	505	1253	Shale
1758	495	1263	Shale
1758	485	1273	Shale
1758	475	1283	Shale
1758	465	1293	Shale
1758	455	1303	Shale
1758	445	1313	Shale
1758	435	1323	Shale
1758	425	1333	Shale
1758	415	1343	Shale
1758	405	1353	Shale
1758	395	1363	Shale
1758	385	1373	Shale
1758	375	1383	Shale
1758	365	1393	Shale
1758	355	1403	Shale
1758	345	1413	Shale
1758	335	1423	Shale
1758	325	1433	Shale
1758	315	1443	Shale
1758	305	1453	Shale
1758	295	1463	Shale
1758	285	1473	Shale
1758	275	1483	Shale
1758	265	1493	Shale
1758	255	1503	Shale
1758	245	1513	Shale
1758	235	1523	Shale
1758	225	1533	Shale
1758	215	1543	Shale
1758	205	1553	Shale
1758	195	1563	Shale
1758	185	1573	Shale
1758	175	1583	Shale
1758	165	1593	Shale
1758	155	1603	Shale
1758	145	1613	Shale
1758	135	1623	Shale
1758	125	1633	Shale
1758	115	1643	Shale
1758	105	1653	Shale
1758	95	1663	Shale
1758	85	1673	Shale
1758	75	1683	Shale
1758	65	1693	Shale
1758	55	1703	Shale
1758	45	1713	Shale
1758	35	1723	Shale
1758	25	1733	Shale
1758	15	1743	Shale
1758	5	1753	Shale