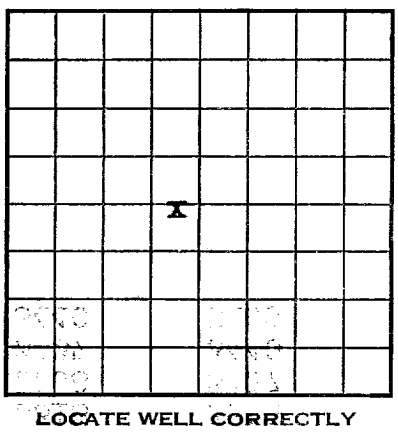
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029342
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company M.A. Woolley Address Box 398, Loco Hills
Lessor or Tract M.A. Woolley Field Grayburg-Jackson State New Mexico
Well No. 1-A Sec. 21 T. 17 R. 30 Meridian N.M.P.M. County Eddy
Location 1350 ft. {N.} of S Line and 1326 ft. {E.} of W Line of Sec. 21 Elevation 3653'
(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. L. Buser
Date Title Superintendent

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

Commenced drilling November 6, 1926 Finished drilling March 27, 1927

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1540' to 1545'
No. 2, from 1740' to 1751'
No. 3, from 1778' to 1784'
1798' 1802'
No. 4, from 1806' to 1814'
1875' 1893'
No. 5, from 2045' to 2050'
2092' 2100'
No. 6, from 2218' to 2256'
2304' 2318'
2420' 2468'
2706' 2714'
2956' to 2960'
3061' 3099'
3123' to 3154'

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to
~~No. 3, 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 From—	Perforated To—	Purpose
12"	50#			600'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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 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

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	90	90	Red sand
90	100	10	Red shale
100	190	90	Red sty shale
190	195	5	Gravel
195	250	55	Red sandy shale
250	310	60	Lime & gyp
310	330	20	Soft red sandy shale
330	395	65	Pink gyp
395	535	140	Red sandy shale
12" 50# 535	540	5 600'	Salt & sandy red shale
540	555	15	Sandy shale-little salt
555	558	3	Gyp
558	585	27	Salt & red sandy shale
585	601	16	Red salt (Set 600' 12" 50# casing
601	622	21	Pink salt
622	640	18	White Salt
640	665	25	Pink salt
665	675	10	White salt
675	730	55	" "
730	907	177	Pink Salt
907	935	28	White salt
935	1070	135	Salt
1070	1090	20	Grey gyp
1090	1114	24	Grey gyp & lime
1114	1124	10	Red shale
1124	1130	6	Grey lime

(OVER)

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FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1130	1140	10	Red shale
1140	1150	10	Grey gyp
1150	1177	27	White salt
1177	1217	40	Grey lime
1217	1221	4	" gyp
1221	1223	2	" shale
1223	1243	20	" gyp
1243	1245	2	" shale
1245	1248	3	" gyp-hard
1248	1252	4	" shale
1252	1274	22	Shale gyp & anhydrite
1274	1298	24	Red sandy shale
1298	1350	52	Anhydrite, gyp & brown shale
1350	1355	5	Red sandy shale
1355	1375	20	Grey gyp & anhydrite
1375	1390	15	" "
1390	1393	3	Red sandy shale
1393	1398	5	Grey gyp
1398	1407	9	Red sandy shale
1407	1418	11	Shale & gyp
1418	1476	56	Gyp & anhydrite
1476	1485	9	Grey lime
1485	1525	40	" gyp
1525	1540	15	Shale & gyp
1540	1545	5	White sandy lime
1545	1580	35	Gyp & pink shale
1580	1683	103	Gyp
1683	1690	7	White lime
1690	1740	50	Grey gyp
1740	1751	11	Sandy lime 50,000' gas
1751	1772	21	Grey gyp
1772	1778	6	" lime, very hard
1778	1784	6	Sandy lime
1784	1798	14	Gyp
1798	1802	4	Hard sandy lime 50,000' gas
1802	1806	4	Grey lime & gyp
1806	1814	8	Grey sandy lime 4,000,000' gas
1814	1836	24	Grey lime
1836	1839	3	Sandy brown lime
1839	1930	91	Lime
1930	1941	11	Gyp
1941	1962	21	Shale
1962	1972	10	Grey lime
1972	1985	13	" and brown shale
1985	1999	14	Hard grey gyp
1999	2045	46	Lime
2045	2050	5	Brown shale & lime
2050	2065	15	Grey lime
2065	2092	27	Gyp
2092	2100	8	Sandy lime & shale
2100	2218	118	Grey & brown gyp
2218	2256	38	Red sand some gas
2256	2285	29	Gyp & lime
2285	2297	12	Gyp & brown shale
2297	2304	7	Very hard dark grey lime
2304	2318	14	Gyp & brown shale
2318	2322	4	Hard grey lime
2322	2330	8	Grey & brown shale
2330	2357	27	" lime
2357	2385	28	" gyp
2385	2410	25	" lime
2410	2420	10	" gyp & brown shale
2420	2468	48	" lime

Continued on bottom of page.

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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 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

2468	2480	12	Grey gyp & brown shale
2480	2499	19	Sandy brown shale & gyp
2499	2509	10	Grey gyp
2509	2520	11	Brown sandy lime
2520	2535	15	" sand
2535	2555	20	Brown shale & grey gyp
2555	2559	4	" gyp
2559	2575	16	Grey lime
2575	2585	10	Pink sandy shale
2585	2607	22	Grey gyp & brown shale
2607	2611	4	" lime-hard
2611	2620	9	Soft brown shale
2620	2627	7	Grey gyp & brown shale
2627	2640	13	" lime
2640	2693	53	" very hard
2693	2699	6	Yellow lime
2699	2706	7	Black shale & grey lime
2706	2744	38	Sandy grey lime
2744	2819	74	Grey & white lime
2819	2824	5	Black lime
2824	2956	132	Grey & white lime
2956	2960	4	Brown sandy lime
2960	3074	114	Grey & white lime
3074	3076	2	Brown shale
3076	3079	3	Sandy grey lime
3079	3099	20	Brown & grey lime
3099	3306	207	Grey & white lime
3306	3318	12	Hard white lime -streaks of grey shale
3318	3368	50	Grey lime
3368	3437	69	Grey lime
3437	3440	3	Fine grained very hard grey lime
3440	3466	26	Grey lime