

DUPLICATE

Form SG 108

N.

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company _____ Address Artesia, N. M.

Send correspondence to _____ Address _____

Western Republic State Well No. 1 in NE SE of Sec. 13, T. 17 S, R. 36 E, N. M. P. M., _____ Oil Field Lea County. _____

If State land the oil and gas lease is No. A-1791 Assignment No. _____

If patented land the owner is _____ Address _____

The lessee is _____ Address _____

If not state or patented land, give status _____

Drilling commenced Jan. 29th 1931. Drilling was completed Jan. 23rd 1933

Name of drilling contractor _____ Address _____

Elevation above sea level at top of casing 3815 feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3445 to 3450 Puff gas No. 4, from _____ to _____

No. 2, from 4860 to 4870 oil show No. 5, from _____ to _____

No. 3, from 4965 to 4967 O. g. show No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 40 to 52 No. 3, from 4983 to 4985

No. 2, from 146 to 160 No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>15 1/2"</u>	<u>70 #</u>	<u>8"</u>	<u>Best</u>	<u>212'</u>	<u>Regular</u>	<u>46'</u>			
<u>10"</u>	<u>40 #</u>	<u>8"</u>	<u>Best</u>	<u>1888'7"</u>	<u>"</u>	<u>460'</u>			
<u>8 1/4"</u>	<u>32 #</u>	<u>8"</u>	<u>Best</u>	<u>3490'8"</u>	<u>"</u>	<u>3384'8"</u>			

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. 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 206 feet to 1890 feet, and from _____ feet to _____ feet

Cable tools were used from 1890 feet to 5216 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____, 19____.

The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYES

L. Briscoe, Driller J. De Berry, Driller

De Berry, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 21st Name E. De Berry

day of Feb, 1933 Position Secy

Ethel Lewis Representing _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	25	25	Surface rock
25	40	15	Sand
40	52	12	Cotton rock - Water
52	146	94	Sand
146	160	14	Gravel
160	170	10	Lime shells
170	180	10	Blue clay
180	190	10	Red bed
190	275	85	Shells, shale & red beds
275	300	25	Broken sand, hard
300	320	20	Sand
320	360	40	Gyp and red beds
360	410	50	Red bed
410	420	10	Sand rock
420	491	71	Red bed and streaks gyp
491	575	84	Red shale
575	705	80	Red bed and gyp
705	830	125	Red shale
830	840	10	Gyp
840	846	6	Red rock
846	960	14	Red bed & shale
960	1000	40	Red shale
1000	1060	60	Gyp shells
1060	1105	45	Red bed
1105	1155	50	Anhydrite
1155	1390	235	Red beds & anhydrite
1390	1485	95	Red shale & anhydrite
1485	1570	85	Red bed & anhydrite
1570	1660	90	Red shale
1660	1735	75	Shale and shells
1735	1800	65	Red shale & shells
1800	1825	25	Anhydrite
1825	1834	9	Anhydrite & sand
1834	1838	4	Anhydrite
1838	1854	16	Sand and anhydrite
1854	1858	4	Anhydrite
1858	1876	18	Broken lime & red bed
1876	1890	14	Anhydrite
1890	1895	5	Red shale & gray sand
1895	1965	70	Red sand and shale
1965	1985	20	Anhydrite
1985	2000	15	Anhydrite & brown shale
2000	2065	65	Anhydrite
2065	2085	20	Red beds
2085	2090	5	Anhydrite & red beds
2090	2100	10	Salt & anhydrite
2100	2135	35	Salt and Red beds
2135	2235	100	Salt
2235	2245	10	Anhydrite
2245	2320	75	Salt
2320	2330	10	Polyhalite & anhydrite
2330	2870	540	Salt
2870	2895	25	Anhydrite
2895	2990	95	Salt
2990	3035	45	Salt & anhydrite shells
3035	3075	40	Red beds & shells
3075	3105	30	Salt & anhydrite
3105	3130	25	Anhydrite, broken
3130	3155	25	Anhydrite & salt
3155	3180	25	Anhydrite & brown shale
3180	3210	30	Anhydrite & red shale
3210	3245	35	Red beds & shells
3245	3285	40	Anhydrite and brown shale
3285	3305	20	Anhydrite & red sandy shale
3305	3360	55	Anhydrite
3360	3370	10	Brown lime
3370	3445	75	Anhydrite
3445	3450	5	Gray sand Puff of gas
3450	3465	15	Anhydrite
3465	3495	30	Gray lime and anhydrite
3495	3540	45	Anhydrite
3540	3550	10	Anhydrite & lime
3550	3575	25	Lime
3575	3770	195	Anhydrite
3770	3780	10	Gray shale & anhydrite
3780	3850	80	Anhydrite
3850	3860	10	Anhydrite & red rock
3860	3900	40	Anhydrite & red shale
3900	3910	10	Anhydrite
3910	3945	35	Anhydrite & sandy shale
3945	4045	100	Anhydrite
4045	4055	10	Anhydrite & brown shale
4055	4080	25	Anhydrite
4080	4095	15	Anhydrite & brown shale
4095	4115	20	Anhydrite
4115	4155	40	Anhydrite & brown sdy shale
4155	4165	10	Anhydrite & gray sand
4165	4185	20	Gray lime and gray sand
4185	4195	10	Gray sandy lime and anhydrite
4195	4340	145	Anhydrite
4340	4350	10	Lime
4350	4365	15	Red sand and lime
4365	4385	20	Gray lime
4385	4420	35	Gray sandy lime
4420	4435	15	Anhydrite and lime
4435	4440	5	Lime, sand and anhydrite
4440	4450	10	Red sand and anhydrite
4450	4465	15	Lime
4465	4485	20	Anhydrite & brown sand
4485	4560	75	Sandy lime
4560	4575	15	Anhydrite
4575	4585	10	Anhydrite & lime
4585	4630	45	Gray sandy lime
4630	4715	85	Gray lime
4715	4725	10	Lime and gray sand
4725	4735	10	Lime and bentonite
4735	4755	20	Gray lime
4755	4760	5	Lime and gray sand
4760	4800	40	Gray lime
4800	4815	15	White lime, hard
4815	4830	15	White lime
4830	4860	30	Gray sandy lime
4860	4870	10	Gray and white lime Oil Show

5005	5090	85	White Lime
5090	5095	5	Gray Lime and Bentonite
5095	5100	5	Gray Lime
5100	5112	12	Hard Gray Sandy Lime
5112	5120	8	White Lime
5120	5135	15	Gray Lime
5135	5137	2	Gray Sandy Lime
5137	5143	6	Anhydrite
5143	5156	13	White Lime and Bentonite
5156	5170	14	White Lime
5170	5172	2	Gray Lime
5172	5216	44	Gray Lime and Anhydrite