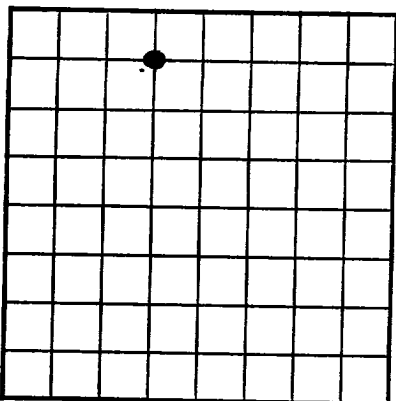




U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029025
LEASE OR PERMIT TO PROSPECT Lane
Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Estelle H. Yates Address Artesia, New Mexico
Lessor or Tract Lane Field Benson State New Mexico
Well No. 1 Sec. 21 T19S R. 30E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of 1980 Line and 1980 ft. E. of W Line of Sec. 21 Elevation 3327
(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 _____

Date January 29, 1944 Title Agent

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

Commenced drilling October 25, 1943 Finished drilling November 22, 1943

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—	
8 5/8"	24#		S. H.	372'					surface
HISTORY OF LOG 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
8 5/8"	372'	50	Halliburton		

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 0 feet to 1915' feet, and from _____ feet to _____ feet

DATES

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

C. V. Miller, Driller R. O. Jacobs, Driller
_____, Driller _____, Driller

FORMATION RECORD

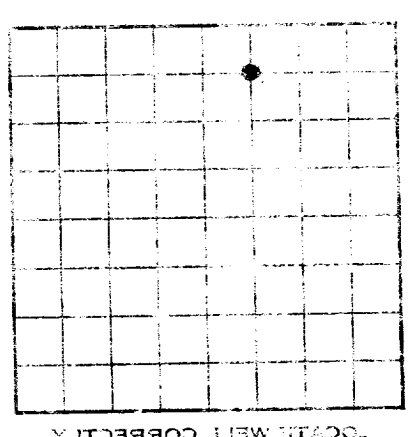
FROM—	TO—	TOTAL FEET	FORMATION
0	3	3	Sand
3	10	7	Lime
10	25	15	Caliche
25	60	35	Sand
60	145	85	Red rock
145	195	50	Gyp
195	205	10	Red rock
205	220	15	Sand
220	230	10	Gyp
230	250	20	Red rock
250	260	10	Gyp
260	300	40	Red rock
300	337	37	Red rock and gyp
337	350	13	Salt
350	372	22	Salt
372	627	255	Salt
627	640	13	Anhy.
640	680	40	Salt
680	690	10	Anhy.
690	785	95	Salt
785	855	70	Salt and Anhy.
855	950	95	Salt
950	956	6	Anhy.
956	1005	49	Salt
1005	1020	15	R. Anhy.

(OVER)

U. S. Land Office, Las Cruces
Serial Number 029025
Bears on Property to Prospect
Please

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Location 600 ft. (2) of road line and 1980 ft. (1) of W. line of Sec. 21
Well No. 1 Sec. 21 T19S R. 30E Meridian N.M.P.M. County Nddy
Benson New Mexico
Address Artesia, New Mexico
Company H. Yates
Date January 29, 1944
The summary on this page is for the condition of the well at above date.
Signed _____ Title _____
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.

OIL OR GAS SANDS OR ZONES

No. 1 from	to	No. 4 from	to
No. 2 from	to	No. 5 from	to
No. 3 from	to	No. 6 from	to
No. 1 from	to	No. 3 from	to
No. 2 from	to	No. 4 from	to

IMPORTANT WATER SANDS

CASING RECORD

No. 2	Weight per foot	Length per	Weight	Amount	Kind of shoe	Cut and pulled from	Remarks
8 5/8"	32.5	50			Helix Burton		

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, 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 falling at any time.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Water set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Adapters—Material	Length	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Water tools were used from	feet to
Cable tools were used from	feet to

DATES

Put to producing	feet to
The production for the first 24 hours was	feet to
It was well on for 24 hours	feet to
Block pressure, lbs. per sq. in.	

EMPLOYEES

C. V. Miller	Driller
R. G. Jacobs	Driller

FORMATION RECORD

FORMATION	TO	FROM
Sand	1020	1005
Lime	1150	1135
Caliche	1180	1165
Sand	1275	1260
Red rock	1285	1270
Gyp	1350	1335
Red rock	1360	1345
Gyp	1375	1360
Red rock	1385	1370
Gyp	1400	1385
Red rock	1410	1395
Gyp	1420	1405
Red rock	1430	1415
Gyp	1440	1425
Red rock	1450	1435
Gyp	1460	1445
Red rock	1470	1455
Gyp	1480	1465
Red rock	1490	1475
Gyp	1500	1485
Red rock	1510	1495
Gyp	1520	1505
Red rock	1530	1515
Gyp	1540	1525
Red rock	1550	1535
Gyp	1560	1545
Red rock	1570	1555
Gyp	1580	1565
Red rock	1590	1575
Gyp	1600	1585
Red rock	1610	1595
Gyp	1620	1605
Red rock	1630	1615
Gyp	1640	1625
Red rock	1650	1635
Gyp	1660	1645
Red rock	1670	1655
Gyp	1680	1665
Red rock	1690	1675
Gyp	1700	1685
Red rock	1710	1695
Gyp	1720	1705
Red rock	1730	1715
Gyp	1740	1725
Red rock	1750	1735
Gyp	1760	1745
Red rock	1770	1755
Gyp	1780	1765
Red rock	1790	1775
Gyp	1800	1785
Red rock	1810	1795
Gyp	1820	1805
Red rock	1830	1815
Gyp	1840	1825
Red rock	1850	1835
Gyp	1860	1845
Red rock	1870	1855
Gyp	1880	1865
Red rock	1890	1875
Gyp	1900	1885
Red rock	1910	1895
Gyp	1920	1905
Red rock	1930	1915
Gyp	1940	1925
Red rock	1950	1935
Gyp	1960	1945
Red rock	1970	1955
Gyp	1980	1965
Red rock	1990	1975
Gyp	2000	1985
Red rock	2010	1995
Gyp	2020	2005
Red rock	2030	2015
Gyp	2040	2025
Red rock	2050	2035
Gyp	2060	2045
Red rock	2070	2055
Gyp	2080	2065
Red rock	2090	2075
Gyp	2100	2085
Red rock	2110	2095
Gyp	2120	2105
Red rock	2130	2115
Gyp	2140	2125
Red rock	2150	2135
Gyp	2160	2145
Red rock	2170	2155
Gyp	2180	2165
Red rock	2190	2175
Gyp	2200	2185
Red rock	2210	2195
Gyp	2220	2205
Red rock	2230	2215
Gyp	2240	2225
Red rock	2250	2235
Gyp	2260	2245
Red rock	2270	2255
Gyp	2280	2265
Red rock	2290	2275
Gyp	2300	2285
Red rock	2310	2295
Gyp	2320	2305
Red rock	2330	2315
Gyp	2340	2325
Red rock	2350	2335
Gyp	2360	2345
Red rock	2370	2355
Gyp	2380	2365
Red rock	2390	2375
Gyp	2400	2385
Red rock	2410	2395
Gyp	2420	2405
Red rock	2430	2415
Gyp	2440	2425
Red rock	2450	2435
Gyp	2460	2445
Red rock	2470	2455
Gyp	2480	2465
Red rock	2490	2475
Gyp	2500	2485
Red rock	2510	2495
Gyp	2520	2505
Red rock	2530	2515
Gyp	2540	2525
Red rock	2550	2535
Gyp	2560	2545
Red rock	2570	2555
Gyp	2580	2565
Red rock	2590	2575
Gyp	2600	2585
Red rock	2610	2595
Gyp	2620	2605
Red rock	2630	2615
Gyp	2640	2625
Red rock	2650	2635
Gyp	2660	2645
Red rock	2670	2655
Gyp	2680	2665
Red rock	2690	2675
Gyp	2700	2685
Red rock	2710	2695
Gyp	2720	2705
Red rock	2730	2715
Gyp	2740	2725
Red rock	2750	2735
Gyp	2760	2745
Red rock	2770	2755
Gyp	2780	2765
Red rock	2790	2775
Gyp	2800	2785
Red rock	2810	2795
Gyp	2820	2805
Red rock	2830	2815
Gyp	2840	2825
Red rock	2850	2835
Gyp	2860	2845
Red rock	2870	2855
Gyp	2880	2865
Red rock	2890	2875
Gyp	2900	2885
Red rock	2910	2895
Gyp	2920	2905
Red rock	2930	2915
Gyp	2940	2925
Red rock	2950	2935
Gyp	2960	2945
Red rock	2970	2955
Gyp	2980	2965
Red rock	2990	2975
Gyp	3000	2985
Red rock	3010	2995
Gyp	3020	3005
Red rock	3030	3015
Gyp	3040	3025
Red rock	3050	3035
Gyp	3060	3045
Red rock	3070	3055
Gyp	3080	3065
Red rock	3090	3075
Gyp	3100	3085
Red rock	3110	3095
Gyp	3120	3105
Red rock	3130	3115
Gyp	3140	3125
Red rock	3150	3135
Gyp	3160	3145
Red rock	3170	3155
Gyp	3180	3165
Red rock	3190	3175
Gyp	3200	3185
Red rock	3210	3195
Gyp	3220	3205
Red rock	3230	3215
Gyp	3240	3225
Red rock	3250	3235
Gyp	3260	3245
Red rock	3270	3255
Gyp	3280	3265
Red rock	3290	3275
Gyp	3300	3285
Red rock	3310	3295
Gyp	3320	3305
Red rock	3330	3315
Gyp	3340	3325
Red rock	3350	3335
Gyp	3360	3345
Red rock	3370	3355
Gyp	3380	3365
Red rock	3390	3375
Gyp	3400	3385
Red rock	3410	3395
Gyp	3420	3405
Red rock	3430	3415
Gyp	3440	3425
Red rock	3450	3435
Gyp	3460	3445
Red rock	3470	3455
Gyp	3480	3465
Red rock	3490	3475
Gyp	3500	3485
Red rock	3510	3495
Gyp	3520	3505
Red rock	3530	3515
Gyp	3540	3525
Red rock	3550	3535
Gyp	3560	3545
Red rock	3570	3555
Gyp	3580	3565
Red rock	3590	3575
Gyp	3600	3585
Red rock	3610	3595
Gyp	3620	3605
Red rock	3630	3615
Gyp	3640	3625
Red rock	3650	3635
Gyp	3660	3645
Red rock	3670	3655
Gyp	3680	3665
Red rock	3690	3675
Gyp	3700	3685
Red rock	3710	3695
Gyp	3720	3705
Red rock	3730	3715
Gyp	3740	3725
Red rock	3750	3735
Gyp	3760	3745
Red rock	3770	3755
Gyp	3780	3765
Red rock	3790	3775
Gyp	3800	3785
Red rock	3810	3795
Gyp	3820	3805
Red rock	3830	3815
Gyp	3840	3825
Red rock	3850	3835
Gyp	3860	3845
Red rock	3870	3855
Gyp	3880	3865
Red rock	3890	3875
Gyp	3900	3885
Red rock	3910	3895
Gyp	3920	3905
Red rock	3930	3915
Gyp	3940	3925
Red rock	3950	3935
Gyp	3960	3945
Red rock	3970	3955
Gyp	3980	3965
Red rock	3990	3975
Gyp	4000	3985
Red rock	4010	3995
Gyp	4020	4005
Red rock	4030	4015
Gyp	4040	4025
Red rock	4050	4035
Gyp	4060	4045
Red rock	4070	4055
Gyp	4080	4065
Red rock	4090	4075
Gyp	4100	4085
Red rock	4110	4095
Gyp	4120	4105
Red rock	4130	4115
Gyp	4140	4125
Red rock	4150	4135
Gyp	4160	4145
Red rock	4170	4155
Gyp	4180	4165
Red rock	4190	4175
Gyp	4200	4185
Red rock	4210	4195
Gyp	4220	4205
Red rock	4230	4215
Gyp	4240	4225
Red rock	4250	4235
Gyp	4260	4245
Red rock	4270	4255
Gyp	4280	4265
Red rock	4290	4275
Gyp	4300	4285
Red rock	4310	4295
Gyp	4320	4305
Red rock	4330	4315
Gyp	4340	4325
Red rock	4350	4335
Gyp	4360	4345
Red rock	4370	4355
Gyp	4380	4365
Red rock	4390	4375
Gyp	4400	4385
Red rock	4410	4395
Gyp	4420	4405
Red rock	4430	4415
Gyp	4440	4425
Red rock	4450	4435
Gyp	4460	4445
Red rock	4470	4455
Gyp	4480	4465
Red rock	4490	4475
Gyp	4500	4485
Red rock	4510	4495
Gyp	4520	4505
Red rock	4530	4515
Gyp	4540	4525
Red rock	4550	4535
Gyp	4560	4545
Red rock	4570	4555
Gyp	4580	4565
Red rock	4590	4575
Gyp	4600	4585
Red rock	4610	4595
Gyp	4620	4605
Red rock	4630	4615
Gyp	4640	4625
Red rock	4650	4635
Gyp	4660	4645
Red rock	4670	4655
Gyp	4680	4665
Red rock	4690	4675
Gyp	4700	4685
Red rock	4710	4695
Gyp	4720	4705
Red rock	4730	4715
Gyp	4740	4725
Red rock	4750	4735
Gyp	4760	4745
Red rock	4770	4755
Gyp	4780	4765
Red rock	4790	4775
Gyp	4800	4785
Red rock	4810	4795
Gyp	4820	4805
Red rock	4830	4815
Gyp	4840	4825
Red rock	4850	4835
Gyp	4860	4845
Red rock	4870	4855
Gyp	4880	4865
Red rock	4890	4875
Gyp	4900	4885
Red rock	4910	4895
Gyp	4920	4905
Red rock	4930	4915
Gyp	4940	4925
Red rock	4950	4935
Gyp	4960	4945
Red rock	4970	4955
Gyp	4980	4965