

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 978477
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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.

Commenced drilling 11-30, 1956 Finished drilling 12-4, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

(Denote gas by G)

No. 1, from 2242 to 2254	No. 4, from _____ to _____
No. 2, from 2267 to 2303	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

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	8		93'					Surface
5 1/2	12	8		2351'	Plug		2242	2254	
							2267	2303	Production

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 2360 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ 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. _____ Absolute potential - 2101.69 MCFFD on three
n pressure buildup - 642.6 psig hour flow - 3/4" choke

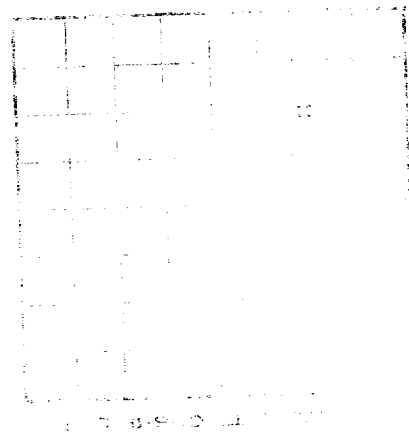
Seven pressure buildup - 642.6 psig
_____, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	1690	1690	Sand with shale breaks
1690	2200	510	Shale with thin sand stringers
2200	2240	40	Sand, shale, & coal, broken
2240	2354	114	Sand with thin shale breaks (Pictured Cliffs)
			Top Pictured Cliffs - 2240'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



1. Name of well: _____
2. Location: _____
3. Date of completion: _____
4. Name of operator: _____
5. Name of driller: _____
6. Name of logger: _____
7. Name of supervisor: _____
8. Name of engineer: _____
9. Name of geologist: _____
10. Name of chemist: _____
11. Name of electrician: _____
12. Name of pumpjack operator: _____
13. Name of pumpjack repairman: _____
14. Name of pumpjack driver: _____
15. Name of pumpjack operator: _____
16. Name of pumpjack repairman: _____
17. Name of pumpjack driver: _____
18. Name of pumpjack operator: _____
19. Name of pumpjack repairman: _____
20. Name of pumpjack driver: _____

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

Perforated 1" casing with four jet shoes per foot at 2242-2254 & 2267-2293 feet. Formation wouldn't break down with water at 2750 psi. Spotted 250 gallons of 15% reg. mud acid - formation broke at 1650 psi. Treated with 57,200 gallons of water and 60,000 lbs. sand at 1400 psi with an injection rate of 47 bbls per min. Attempted to stage frac after 18,000 gallons injected but formation balled off after introducing 75 rubber balls. Continued treatment a few days later. Flushed with 2400 gallons of water. Well bled 1191 MCF natural gas after 24 hours. Ran in hole with 108 jts. of 1" black line pipe set at 2200 feet. Well bled in for potential.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
2200	2242	42	Shale with thin sand streaks
2242	2254	12	Shale with thin sand streaks
2254	2267	13	Shale with thin sand streaks
2267	2293	26	Shale with thin sand streaks
2293	2300	7	Shale with thin sand streaks
2300	2310	10	Shale with thin sand streaks
2310	2320	10	Shale with thin sand streaks
2320	2330	10	Shale with thin sand streaks
2330	2340	10	Shale with thin sand streaks
2340	2350	10	Shale with thin sand streaks
2350	2360	10	Shale with thin sand streaks
2360	2370	10	Shale with thin sand streaks
2370	2380	10	Shale with thin sand streaks
2380	2390	10	Shale with thin sand streaks
2390	2400	10	Shale with thin sand streaks
2400	2410	10	Shale with thin sand streaks
2410	2420	10	Shale with thin sand streaks
2420	2430	10	Shale with thin sand streaks
2430	2440	10	Shale with thin sand streaks
2440	2450	10	Shale with thin sand streaks
2450	2460	10	Shale with thin sand streaks
2460	2470	10	Shale with thin sand streaks
2470	2480	10	Shale with thin sand streaks
2480	2490	10	Shale with thin sand streaks
2490	2500	10	Shale with thin sand streaks
2500	2510	10	Shale with thin sand streaks
2510	2520	10	Shale with thin sand streaks
2520	2530	10	Shale with thin sand streaks
2530	2540	10	Shale with thin sand streaks
2540	2550	10	Shale with thin sand streaks
2550	2560	10	Shale with thin sand streaks
2560	2570	10	Shale with thin sand streaks
2570	2580	10	Shale with thin sand streaks
2580	2590	10	Shale with thin sand streaks
2590	2600	10	Shale with thin sand streaks
2600	2610	10	Shale with thin sand streaks
2610	2620	10	Shale with thin sand streaks
2620	2630	10	Shale with thin sand streaks
2630	2640	10	Shale with thin sand streaks
2640	2650	10	Shale with thin sand streaks
2650	2660	10	Shale with thin sand streaks
2660	2670	10	Shale with thin sand streaks
2670	2680	10	Shale with thin sand streaks
2680	2690	10	Shale with thin sand streaks
2690	2700	10	Shale with thin sand streaks
2700	2710	10	Shale with thin sand streaks
2710	2720	10	Shale with thin sand streaks
2720	2730	10	Shale with thin sand streaks
2730	2740	10	Shale with thin sand streaks
2740	2750	10	Shale with thin sand streaks
2750	2760	10	Shale with thin sand streaks
2760	2770	10	Shale with thin sand streaks
2770	2780	10	Shale with thin sand streaks
2780	2790	10	Shale with thin sand streaks
2790	2800	10	Shale with thin sand streaks
2800	2810	10	Shale with thin sand streaks
2810	2820	10	Shale with thin sand streaks
2820	2830	10	Shale with thin sand streaks
2830	2840	10	Shale with thin sand streaks
2840	2850	10	Shale with thin sand streaks
2850	2860	10	Shale with thin sand streaks
2860	2870	10	Shale with thin sand streaks
2870	2880	10	Shale with thin sand streaks
2880	2890	10	Shale with thin sand streaks
2890	2900	10	Shale with thin sand streaks
2900	2910	10	Shale with thin sand streaks
2910	2920	10	Shale with thin sand streaks
2920	2930	10	Shale with thin sand streaks
2930	2940	10	Shale with thin sand streaks
2940	2950	10	Shale with thin sand streaks
2950	2960	10	Shale with thin sand streaks
2960	2970	10	Shale with thin sand streaks
2970	2980	10	Shale with thin sand streaks
2980	2990	10	Shale with thin sand streaks
2990	3000	10	Shale with thin sand streaks
3000	3010	10	Shale with thin sand streaks
3010	3020	10	Shale with thin sand streaks
3020	3030	10	Shale with thin sand streaks
3030	3040	10	Shale with thin sand streaks
3040	3050	10	Shale with thin sand streaks
3050	3060	10	Shale with thin sand streaks
3060	3070	10	Shale with thin sand streaks
3070	3080	10	Shale with thin sand streaks
3080	3090	10	Shale with thin sand streaks
3090	3100	10	Shale with thin sand streaks
3100	3110	10	Shale with thin sand streaks
3110	3120	10	Shale with thin sand streaks
3120	3130	10	Shale with thin sand streaks
3130	3140	10	Shale with thin sand streaks
3140	3150	10	Shale with thin sand streaks
3150	3160	10	Shale with thin sand streaks
3160	3170	10	Shale with thin sand streaks
3170	3180	10	Shale with thin sand streaks
3180	3190	10	Shale with thin sand streaks
3190	3200	10	Shale with thin sand streaks
3200	3210	10	Shale with thin sand streaks
3210	3220	10	Shale with thin sand streaks
3220	3230	10	Shale with thin sand streaks
3230	3240	10	Shale with thin sand streaks
3240	3250	10	Shale with thin sand streaks
3250	3260	10	Shale with thin sand streaks
3260	3270	10	Shale with thin sand streaks
3270	3280	10	Shale with thin sand streaks
3280	3290	10	Shale with thin sand streaks
3290	3300	10	Shale with thin sand streaks
3300	3310	10	Shale with thin sand streaks
3310	3320	10	Shale with thin sand streaks
3320	3330	10	Shale with thin sand streaks
3330	3340	10	Shale with thin sand streaks
3340	3350	10	Shale with thin sand streaks
3350	3360	10	Shale with thin sand streaks
3360	3370	10	Shale with thin sand streaks
3370	3380	10	Shale with thin sand streaks
3380	3390	10	Shale with thin sand streaks
3390	3400	10	Shale with thin sand streaks
3400	3410	10	Shale with thin sand streaks
3410	3420	10	Shale with thin sand streaks
3420	3430	10	Shale with thin sand streaks
3430	3440	10	Shale with thin sand streaks
3440	3450	10	Shale with thin sand streaks
3450	3460	10	Shale with thin sand streaks
3460	3470	10	Shale with thin sand streaks
3470	3480	10	Shale with thin sand streaks
3480	3490	10	Shale with thin sand streaks
3490	3500	10	Shale with thin sand streaks
3500	3510	10	Shale with thin sand streaks
3510	3520	10	Shale with thin sand streaks
3520	3530	10	Shale with thin sand streaks
3530	3540	10	Shale with thin sand streaks
3540	3550	10	Shale with thin sand streaks
3550	3560	10	Shale with thin sand streaks
3560	3570	10	Shale with thin sand streaks
3570	3580	10	Shale with thin sand streaks
3580	3590	10	Shale with thin sand streaks
3590	3600	10	Shale with thin sand streaks
3600	3610	10	Shale with thin sand streaks
3610	3620	10	Shale with thin sand streaks
3620	3630	10	Shale with thin sand streaks
3630	3640	10	Shale with thin sand streaks
3640	3650	10	Shale with thin sand streaks
3650	3660	10	Shale with thin sand streaks
3660	3670	10	Shale with thin sand streaks
3670	3680	10	Shale with thin sand streaks
3680	3690	10	Shale with thin sand streaks
3690	3700	10	Shale with thin sand streaks
3700	3710	10	Shale with thin sand streaks
3710	3720	10	Shale with thin sand streaks
3720	3730	10	Shale with thin sand streaks
3730	3740	10	Shale with thin sand streaks
3740	3750	10	Shale with thin sand streaks
3750	3760	10	Shale with thin sand streaks
3760	3770	10	Shale with thin sand streaks
3770	3780	10	Shale with thin sand streaks
3780	3790	10	Shale with thin sand streaks
3790	3800	10	Shale with thin sand streaks
3800	3810	10	Shale with thin sand streaks
3810	3820	10	Shale with thin sand streaks
3820	3830	10	Shale with thin sand streaks
3830	3840	10	Shale with thin sand streaks
3840	3850	10	Shale with thin sand streaks
3850	3860	10	Shale with thin sand streaks
3860	3870	10	Shale with thin sand streaks
3870	3880	10	Shale with thin sand streaks
3880	3890	10	Shale with thin sand streaks
3890	3900	10	Shale with thin sand streaks
3900	3910	10	Shale with thin sand streaks
3910	3920	10	Shale with thin sand streaks
3920	3930	10	Shale with thin sand streaks
3930	3940	10	Shale with thin sand streaks
3940	3950	10	Shale with thin sand streaks
3950	3960	10	Shale with thin sand streaks
3960	3970	10	Shale with thin sand streaks
3970	3980	10	Shale with thin sand streaks
3980	3990	10	Shale with thin sand streaks
3990	4000	10	Shale with thin sand streaks
4000	4010	10	Shale with thin sand streaks
4010	4020	10	Shale with thin sand streaks
4020	4030	10	Shale with thin sand streaks
4030	4040	10	Shale with thin sand streaks
4040	4050	10	Shale with thin sand streaks
4050	4060	10	Shale with thin sand streaks
4060	4070	10	Shale with thin sand streaks
4070	4080	10	Shale with thin sand streaks
4080	4090	10	Shale with thin sand streaks
4090	4100	10	Shale with thin sand streaks
4100	4110	10	Shale with thin sand streaks
4110	4120	10	Shale with thin sand streaks
4120	4130	10	Shale with thin sand streaks
4130	4140	10	Shale with thin sand streaks
4140	4150	10	Shale with thin sand streaks
4150	4160	10	Shale with thin sand streaks
4160	4170	10	Shale with thin sand streaks
4170	4180	10	Shale with thin sand streaks
4180	4190	10	Shale with thin sand streaks
4190	4200	10	Shale with thin sand streaks
4200	4210	10	Shale with thin sand streaks
4210	4220	10	Shale with thin sand streaks
4220	4230	10	Shale with thin sand streaks
4230	4240	10	Shale with thin sand streaks
4240	4250	10	Shale with thin sand streaks
4250	4260	10	Shale with thin sand streaks
4260	4270	10	Shale with thin sand streaks
4270	4280	10	Shale with thin sand streaks
4280	4290	10	Shale with thin sand streaks
4290	4300	10	Shale with thin sand streaks
4300	4310	10	Shale with thin sand streaks
4310	4320	10	Shale with thin sand streaks
4320	4330	10	Shale with thin sand streaks
4330	4340	10	Shale with thin sand streaks
4340	4350	10	Shale with thin sand streaks
4350	4360	10	Shale with thin sand streaks
4360	4370	10	Shale with thin sand streaks
4370	4380	10	Shale with thin sand streaks
4380	4390	10	Shale with thin sand streaks
4390	4400	10	Shale with thin sand streaks
4400	4410	10	Shale with thin sand streaks
4410	4420	10	Shale with thin sand streaks
4420	4430	10	Shale with thin sand streaks
4430	4440	10	Shale with thin sand streaks
4440	4450	10	Shale with thin sand streaks
4450	4460	10	Shale with thin sand streaks
4460	4470	10	Shale with thin sand streaks
4470	4480	10	Shale with thin sand streaks
4480	4490	10	Shale with thin sand streaks
4490	4500	10	Shale with thin sand streaks
4500	4510	10	Shale with thin sand streaks
4510	4520	10	Shale with thin sand streaks
4520	4530	10	Shale with thin sand streaks
4530	4540	10	Shale with thin sand streaks
4540	4550	10	Shale with thin sand streaks
4550	4560	10	Shale with thin sand streaks
4560	4570	10	Shale with thin sand streaks
4570	4580	10	Shale with thin sand streaks
4580	4590	10	Shale with thin sand streaks
4590	4600	10	Shale with thin sand streaks
4600	4610	10	Shale with thin sand streaks
4610	4620	10	Shale with thin sand streaks
4620	4630	10	Shale with thin sand streaks
4630	4640	10	Shale with thin sand streaks
4640	4650	10	Shale with thin sand streaks
4650	4660	10	Shale with thin sand streaks
4660	4670	10	Shale with thin sand streaks
4670	4680	10	Shale with thin sand streaks
4680	4690	10	Shale with thin sand streaks
4690	4700	10	Shale with thin sand streaks
4700	4710	10	Shale with thin sand streaks
4710	4720	10	Shale with thin sand streaks
4720	4730	10	Shale with thin sand streaks
4730	4740	10	Shale with thin sand streaks
4740	4750	10	Shale with thin sand streaks
4750	4760	10	Shale with thin sand streaks
4760	4770	10	Shale with thin sand streaks
4770	4780	10	Shale with thin sand streaks
4780	4790	10	Shale with thin sand streaks
4790	4800	10	Shale with thin sand streaks
4800	4810	10	Shale with thin sand streaks
4810	4820	10	Shale with thin sand streaks
4820	4830	10	Shale with thin sand streaks
4830	4840	10	Shale with thin sand streaks
4840	4850	10	Shale with thin sand streaks
4850	4860	10	Shale with thin sand streaks
4860	4870	10	Shale with thin sand streaks
4870	4880	10	Shale with thin sand streaks
4880	4890	10	Shale with thin sand streaks
4890	4900	10	Shale with thin sand streaks
4900	4910	10	Shale with thin sand streaks
4910	4920	10	Shale with thin sand streaks
4920	4930	10	Shale with thin sand streaks
4930	4940	10	Shale with thin sand streaks
4940	4950	10	Shale with thin sand streaks
4950	4960	10	Shale with thin sand streaks
4960	4970	10	Shale with thin sand streaks
4970	4980	10	Shale with thin sand streaks
4980	4990	10	Shale with thin sand streaks
4990	5000	10	Shale with thin sand streaks