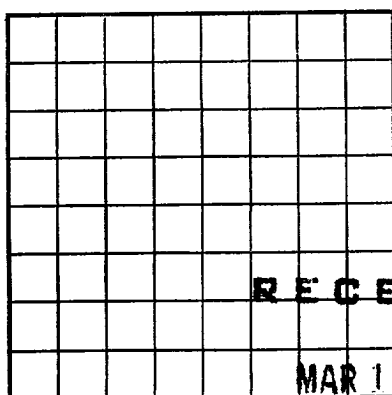


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029437
LEASE OR PERMIT TO PROSPECT Grier



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

MAR 10 1977 LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company New Lighter Service Address P. O. Box 1057, Artesia, New Mexico
 Lessor or Tract Grier Field Square Lake State New Mexico
 Well No. 5 Sec. 31 T. 16 R. 31 Meridian NMPM County Eddy
 Location 1980 ft. S of N Line and 1980 ft. W of E Line of Sec. 31 Elevation _____
 (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 Mary Highhouse
Title operator

Date August 11, 1942

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

Commenced drilling June 9, 1942 Finished drilling July 29, 1942

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

No. 1, from 3125 to 3238 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. 2, from _____ to _____

No. 3, 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
10" n	538	50	Halliburton		circulated to surface
7" n	2985	100	Halliburton		circulated 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
		none				

TOOLS USED

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

Cable tools were used from 0 feet to 3238 feet, and from _____ feet to _____ feet

DATES

August 17, 1942 Put to producing August 15, 1942

The production for the first 24 hours was 250 barrels of fluid of which 100 % 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

-----~~Ernest Higgins~~-----, Driller -----~~Phil Walker~~-----, Driller
-----~~Carl Byler~~-----, Driller -----~~Truman Jacobs~~-----, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	225	225	red sand
225	350	125	anhydrite and red rock
350	450	100	anhydrite
450	460	10	gray shale
460	525	65	red rock
525	555	30	salt and anhydrite
555	575	20	salt
575	625	50	salt and anhydrite
625	1210	585	salt
1210	1235	25	anhydrite
1235	1360	125	salt
1360	1380	20	anhydrite
1380	1395	15	red rock
1395	1400	5	anhydrite
1400	1600	200	anhydrite - broken
1600	1660	60	red rock and anhydrite
1660	1810	150	anhydrite - broken
1810	2120	310	anhydrite
2120	2325	205	anhydrite - broken
2325	2435	110	anhydrite
2435	2489	54	red sand
2489	2520	31	lime
2520	2540	20	lime - broken
2540	2550	10	anhydrite - broken
2550	2860	310	anhydrite - broken
2860	2925	65	lime

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION—
2925	2950	25	lime and sand
2950	2975	25	red shale
2975	3125	150	lime
3125	3130	5	sand (show gas)
3130	3168	38	lime
3168	3178	10	gray sand
3178	3178	10	red lime
3178	3238	50	lime—total depth
3238	3275	37	
3275	3312	37	
3312	3350	38	
3350	3387	37	
3387	3425	38	
3425	3462	37	
3462	3500	38	
3500	3537	37	
3537	3575	38	
3575	3612	37	
3612	3650	38	
3650	3687	37	
3687	3725	38	
3725	3762	37	
3762	3800	38	
3800	3837	37	
3837	3875	38	
3875	3912	37	
3912	3950	38	
3950	3987	37	
3987	4025	38	
4025	4062	37	
4062	4100	38	
4100	4137	37	
4137	4175	38	
4175	4212	37	
4212	4250	38	
4250	4287	37	
4287	4325	38	
4325	4362	37	
4362	4400	38	
4400	4437	37	
4437	4475	38	
4475	4512	37	
4512	4550	38	
4550	4587	37	
4587	4625	38	
4625	4662	37	
4662	4700	38	
4700	4737	37	
4737	4775	38	
4775	4812	37	
4812	4850	38	
4850	4887	37	
4887	4925	38	
4925	4962	37	
4962	5000	38	
5000	5037	37	
5037	5075	38	
5075	5112	37	
5112	5150	38	
5150	5187	37	
5187	5225	38	
5225	5262	37	
5262	5300	38	
5300	5337	37	
5337	5375	38	
5375	5412	37	
5412	5450	38	
5450	5487	37	
5487	5525	38	
5525	5562	37	
5562	5600	38	
5600	5637	37	
5637	5675	38	
5675	5712	37	
5712	5750	38	
5750	5787	37	
5787	5825	38	
5825	5862	37	
5862	5900	38	
5900	5937	37	
5937	5975	38	
5975	6012	37	
6012	6050	38	
6050	6087	37	
6087	6125	38	
6125	6162	37	
6162	6200	38	
6200	6237	37	
6237	6275	38	
6275	6312	37	
6312	6350	38	
6350	6387	37	
6387	6425	38	
6425	6462	37	
6462	6500	38	
6500	6537	37	
6537	6575	38	
6575	6612	37	
6612	6650	38	
6650	6687	37	
6687	6725	38	
6725	6762	37	
6762	6800	38	
6800	6837	37	
6837	6875	38	
6875	6912	37	
6912	6950	38	
6950	6987	37	
6987	7025	38	
7025	7062	37	
7062	7100	38	
7100	7137	37	
7137	7175	38	
7175	7212	37	
7212	7250	38	
7250	7287	37	
7287	7325	38	
7325	7362	37	
7362	7400	38	
7400	7437	37	
7437	7475	38	
7475	7512	37	
7512	7550	38	
7550	7587	37	
7587	7625	38	
7625	7662	37	
7662	7700	38	
7700	7737	37	
7737	7775	38	
7775	7812	37	
7812	7850	38	
7850	7887	37	
7887	7925	38	
7925	7962	37	
7962	8000	38	
8000	8037	37	
8037	8075	38	
8075	8112	37	
8112	8150	38	
8150	8187	37	
8187	8225	38	
8225	8262	37	
8262	8300	38	
8300	8337	37	
8337	8375	38	
8375	8412	37	
8412	8450	38	
8450	8487	37	
8487	8525	38	
8525	8562	37	
8562	8600	38	
8600	8637	37	
8637	8675	38	
8675	8712	37	
8712	8750	38	
8750	8787	37	
8787	8825	38	
8825	8862	37	
8862	8900	38	
8900	8937	37	
8937	8975	38	
8975	9012	37	
9012	9050	38	
9050	9087	37	
9087	9125	38	
9125	9162	37	
9162	9200	38	
9200	9237	37	
9237	9275	38	
9275	9312	37	
9312	9350	38	
9350	9387	37	
9387	9425	38	
9425	9462	37	
9462	9500	38	
9500	9537	37	
9537	9575	38	
9575	9612	37	
9612	9650	38	
9650	9687	37	
9687	9725	38	
9725	9762	37	
9762	9800	38	
9800	9837	37	
9837	9875	38	
9875	9912	37	
9912	9950	38	
9950	9987	37	
9987	10025	38	