

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 059376
LEASE OR PERMIT TO PROSPECT Lease

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

LOCATE WELL CORRECTLY

Company Paton Bros. & Sergeant Address Artesia, New Mexico
 Lessor or Tract Paul Sergeant Field Grayburg-Jackson State New Mexico
 Well No. 2 NE⁴ Sec. 27 T. 17S R. 30E Meridian NMPM County Eddy
 Location 660 ft. XX of N Line and 660 ft. XX of E Line of _____ Elevation 3641
 (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 _____ Title _____

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

Commenced drilling November 28, 1942 Finished drilling January 21, 1943

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

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, 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

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8	24	8		490					
7	20	8		300					
TUBING RECORD: 4/14/45									
2"	Upset Tubing			3276	45	103 joints 2"	Upset Tubing-		
						Flow bell 6 joints from bottom			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8"	490	50 sacks	Halliburton		
7"	3001	100 "	"		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

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 3194 feet, and from _____ feet to _____ feet.

DATES

Put to producing Jan. 21, 1943

The production for the first 24 hours was 235 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours **slight** ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES	
Claud Edmonds	Driller
W. H. Willey	Driller
Harold Hancox	Driller
C. A. Newbert	Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Gyp
15	35	20	Red Bed
35	375	340	Gyp
375	425	50	Red Rock
425	460	35	Red Bed
460	1210	750	Salt
1210	1245	35	Anhydrite
1245	1275	30	Anhydrite and Red Rock
1275	1915	640	Anhydrite
1915	1935	20	Brown Lime
1935	1950	15	Oil Showing
1950	1985	15	Anhydrite
1985	1970	5	Showing of oil
1970	2370	400	Anhydrite
2370	2420	50	Red Sand
2420	2445	25	Anhydrite
2445	2465	20	Broken Lime
2465	2545	80	Anhydrite
2545	2555	10	Lime
2555	2795	240	Anhydrite
2795	2857	62	Gray Lime
2857	3175	318	Lime
3175	3158	10	Oil & Gas
3158	3188	13	Oil

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
3194	3198	4	Lime
3198	3205	7	Sandy lime (oil sand 3198 to 3208)
3208	3213	5	Lime
3213	3220	7	Lime
3220	3225	5	Lime
3225	3231	6	Grey lime
3231	3236	5	Lime
3236	3247	11	Pink lime
3247	3253	6	Pink lime
3253	3258	5	Lime
3258	3271	13	Pink lime
3271	3277	6	Lime
3277	3296	19	White lime
3296	3300	4	White lime
3300	3308	8	White lime
3308	3313	5	White lime
3313	3320	7	White lime
3320	3325	5	White lime
3325	3331	6	White lime
3331	3336	5	White lime
3336	3347	11	White lime
3347	3353	6	White lime
3353	3358	5	White lime
3358	3371	13	White lime
3371	3377	6	White lime
3377	3396	19	White lime
3396	3400	4	White lime
3400	3408	8	White lime
3408	3413	5	White lime
3413	3420	7	White lime
3420	3425	5	White lime
3425	3431	6	White lime
3431	3436	5	White lime
3436	3447	11	White lime
3447	3453	6	White lime
3453	3458	5	White lime
3458	3471	13	White lime
3471	3477	6	White lime
3477	3496	19	White lime
3496	3500	4	White lime
3500	3508	8	White lime
3508	3513	5	White lime
3513	3520	7	White lime
3520	3525	5	White lime
3525	3531	6	White lime
3531	3536	5	White lime
3536	3547	11	White lime
3547	3553	6	White lime
3553	3558	5	White lime
3558	3571	13	White lime
3571	3577	6	White lime
3577	3596	19	White lime
3596	3600	4	White lime
3600	3608	8	White lime
3608	3613	5	White lime
3613	3620	7	White lime
3620	3625	5	White lime
3625	3631	6	White lime
3631	3636	5	White lime
3636	3647	11	White lime
3647	3653	6	White lime
3653	3658	5	White lime
3658	3671	13	White lime
3671	3677	6	White lime
3677	3696	19	White lime
3696	3700	4	White lime
3700	3708	8	White lime
3708	3713	5	White lime
3713	3720	7	White lime
3720	3725	5	White lime
3725	3731	6	White lime
3731	3736	5	White lime
3736	3747	11	White lime
3747	3753	6	White lime
3753	3758	5	White lime
3758	3771	13	White lime
3771	3777	6	White lime
3777	3796	19	White lime
3796	3800	4	White lime
3800	3808	8	White lime
3808	3813	5	White lime
3813	3820	7	White lime
3820	3825	5	White lime
3825	3831	6	White lime
3831	3836	5	White lime
3836	3847	11	White lime
3847	3853	6	White lime
3853	3858	5	White lime
3858	3871	13	White lime
3871	3877	6	White lime
3877	3896	19	White lime
3896	3900	4	White lime
3900	3908	8	White lime
3908	3913	5	White lime
3913	3920	7	White lime
3920	3925	5	White lime
3925	3931	6	White lime
3931	3936	5	White lime
3936	3947	11	White lime
3947	3953	6	White lime
3953	3958	5	White lime
3958	3971	13	White lime
3971	3977	6	White lime
3977	3996	19	White lime
3996	4000	4	White lime
4000	4008	8	White lime
4008	4013	5	White lime
4013	4020	7	White lime
4020	4025	5	White lime
4025	4031	6	White lime
4031	4036	5	White lime
4036	4047	11	White lime
4047	4053	6	White lime
4053	4058	5	White lime
4058	4071	13	White lime
4071	4077	6	White lime
4077	4096	19	White lime
4096	4100	4	White lime
4100	4108	8	White lime
4108	4113	5	White lime
4113	4120	7	White lime
4120	4125	5	White lime
4125	4131	6	White lime
4131	4136	5	White lime
4136	4147	11	White lime
4147	4153	6	White lime
4153	4158	5	White lime
4158	4171	13	White lime
4171	4177	6	White lime
4177	4196	19	White lime
4196	4200	4	White lime
4200	4208	8	White lime
4208	4213	5	White lime
4213	4220	7	White lime
4220	4225	5	White lime
4225	4231	6	White lime
4231	4236	5	White lime
4236	4247	11	White lime
4247	4253	6	White lime
4253	4258	5	White lime
4258	4271	13	White lime
4271	4277	6	White lime
4277	4296	19	White lime
4296	4300	4	White lime
4300	4308	8	White lime
4308	4313	5	White lime
4313	4320	7	White lime
4320	4325	5	White lime
4325	4331	6	White lime
4331	4336	5	White lime
4336	4347	11	White lime
4347	4353	6	White lime
4353	4358	5	White lime
4358	4371	13	White lime
4371	4377	6	White lime
4377	4396	19	White lime
4396	4400	4	White lime
4400	4408	8	White lime
4408	4413	5	White lime
4413	4420	7	White lime
4420	4425	5	White lime
4425	4431	6	White lime
4431	4436	5	White lime
4436	4447	11	White lime
4447	4453	6	White lime
4453	4458	5	White lime
4458	4471	13	White lime
4471	4477	6	White lime
4477	4496	19	White lime
4496	4500	4	White lime
4500	4508	8	White lime
4508	4513	5	White lime
4513	4520	7	White lime
4520	4525	5	White lime
4525	4531	6	White lime
4531	4536	5	White lime
4536	4547	11	White lime
4547	4553	6	White lime
4553	4558	5	White lime
4558	4571	13	White lime
4571	4577	6	White lime
4577	4596	19	White lime
4596	4600	4	White lime
4600	4608	8	White lime
4608	4613	5	White lime
4613	4620	7	White lime
4620	4625	5	White lime
4625	4631	6	White lime
4631	4636	5	White lime
4636	4647	11	White lime
4647	4653	6	White lime
4653	4658	5	White lime
4658	4671	13	White lime
4671	4677	6	White lime
4677	4696	19	White lime
4696	4700	4	White lime
4700	4708	8	White lime
4708	4713	5	White lime
4713	4720	7	White lime
4720	4725	5	White lime
4725	4731	6	White lime
4731	4736	5	White lime
4736	4747	11	White lime
4747	4753	6	White lime
4753	4758	5	White lime
4758	4771	13	White lime
4771	4777	6	White lime
4777	4796	19	White lime
4796	4800	4	White lime
4800	4808	8	White lime
4808	4813	5	White lime
4813	4820	7	White lime
4820	4825	5	White lime
4825	4831	6	White lime
4831	4836	5	White lime
4836	4847	11	White lime
4847	4853	6	White lime
4853	4858	5	White lime
4858	4871	13	White lime
4871	4877	6	White lime
4877	4896	19	White lime
4896	4900	4	White lime
4900	4908	8	White lime
4908	4913	5	White lime
4913	4920	7	White lime
4920	4925	5	White lime
4925	4931	6	White lime
4931	4936	5	White lime
4936	4947	11	White lime
4947	4953	6	White lime
4953	4958	5	White lime
4958	4971	13	White lime
4971	4977	6	White lime
4977	4996	19	White lime
4996	5000	4	White lime
5000	5008	8	White lime
5008	5013	5	White lime
5013	5020	7	White lime
5020	5025	5	White lime
5025	5031	6	White lime
5031	5036	5	White lime
5036	5047	11	White lime
5047	5053	6	White lime
5053	5058	5	White lime
5058	5071	13	White lime
5071	5077	6	White lime
5077	5096	19	White lime
5096	5100	4	White lime
5100	5108	8	White lime
5108	5113	5	White lime
5113	5120	7	White lime
5120	5125	5	White lime
5125	5131	6	White lime
5131	5136	5	White lime
5136	5147	11	White lime
5147	5153	6	White lime
5153	5158	5	White lime
5158	5171	13	White lime
5171	5177	6	White lime
5177	5196	19	White lime
5196	5200	4	White lime
5200	5208	8	White lime
5208	5213	5	White lime
5213	5220	7	White lime
5220	5225	5	White lime
5225	5231	6	White lime
5231	5236	5	White lime
5236	5247	11	White lime
5247	5253	6	White lime
5253	5258	5	White lime
5258	5271	13	White lime
5271	5277	6	White lime
5277	5296	19	White lime
5296	5300	4	White lime
5300	5308	8	White lime
5308	5313	5	White lime
5313	5320	7	White lime
5320	5325	5	White lime
5325	5331	6	White lime
5331	5336	5	White lime
5336	5347	11	White lime
5347	5353	6	White lime
5353	5358	5	White lime
5358	5371	13	White lime
5371	5377	6	White lime
5377	5396	19	White lime
5396	5400	4	White lime
5400	5408	8	White lime
5408	5413	5	White lime
5413	5420	7	White lime
5420	5425	5	White lime
5425	5431	6	White lime
5431	5436	5	White lime
5436	5447	11	White lime
5447	5453	6	White lime
5453	5458	5	White lime
5458	5471	13	White lime
5471	5477	6	White lime
5477	5496	19	White lime
5496	5500	4	White lime
5500	5508	8	White lime
5508	5513	5	White lime
5513	5520	7	White lime
5520	5525	5	White lime
5525	5531	6	White lime
5531	5536	5	White lime
5536	5547	11	White lime
5547	5553	6	White lime
5553	5558	5	White lime
5558	5571	13	White lime
5571	5577	6	White lime
5577	5596	19	White lime
5596	5600	4	White lime
5600	5608	8	White lime
5608	5613	5	White lime
5613	5620	7	White lime
5620	5625	5	White lime
5625	5631	6	White lime
5631	5636	5	White lime
5636	5647	11	White lime
5647	5653	6	White lime
5653	5658	5	White lime
5658	5671	13	White lime
5671	5677	6	White lime
5677	5696	19	White lime
5696	5700	4	White lime
5700	5708	8	White lime
5708	5713	5	White lime
5713	5720	7	White lime
5720	5725	5	White lime
5725	5731	6	White lime
5731	5736	5	White lime
5736	5747	11	White lime
5747	5753	6	White lime
5753	5758	5	White lime
5758	5771	13	White lime
5771	5777	6	White lime
5777	5796	19	White lime
5796	5800	4	White lime
5800	5808	8	White lime
5808	5813	5	White lime
5813	5820	7	White lime
5820	5825	5	White lime
5825	5831	6	White lime
5831	5836	5	White lime
5836	5847	11	White lime
5847	5853	6	White lime
5853	5858	5	White lime
5858	5871		