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JUN 7 1960

U. S. GEOLOGICAL SURVEY UNITED STATES
ARTESIA, NEW MEXICO DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE 125-1005
SERIAL NUMBER 659571
LEASE OR PERMIT TO PROSPECT 41

RECEIVED

JUN 8 1960

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Bolley + Nichols Address MA 01914
Lessor or Tract ILCS Field 4-1-12-12-1 State New York
Well No. 11 Sec. 9 T. 17 R. 32 Meridian N County Seneca
Location 110 ft. N of S Line and 19 ft. E of W Line of 12-12-1 Elevation 1100

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 E. L. Macdonald

Date JUNE 6

Title *Algebra*

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

Commenced drilling 5-13, 1900 Finished drilling 5-24, 1900

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathcal{G}$)

(Denote gas by G)

No. 1, from <u>3748</u> to <u>3756</u>	No. 4, from <u>3748</u> to <u>3752</u>
No. 2, from <u>3758</u> to <u>3774</u>	No. 5, from <u>3910</u> to <u>3914</u>
No. 3, from <u>3820</u> to <u>3824</u>	No. 6, from <u>3926</u> to <u>3932</u>

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
1 1/2	21	10	10	10	10	10	10	10	10
2	21	10	10	10	10	10	10	10	10
3	21	10	10	10	10	10	10	10	10
4	21	10	10	10	10	10	10	10	10
5	21	10	10	10	10	10	10	10	10
6	21	10	10	10	10	10	10	10	10
7	21	10	10	10	10	10	10	10	10
8	21	10	10	10	10	10	10	10	10
9	21	10	10	10	10	10	10	10	10
10	21	10	10	10	10	10	10	10	10
11	21	10	10	10	10	10	10	10	10
12	21	10	10	10	10	10	10	10	10
13	21	10	10	10	10	10	10	10	10
14	21	10	10	10	10	10	10	10	10
15	21	10	10	10	10	10	10	10	10
16	21	10	10	10	10	10	10	10	10
17	21	10	10	10	10	10	10	10	10
18	21	10	10	10	10	10	10	10	10
19	21	10	10	10	10	10	10	10	10
20	21	10	10	10	10	10	10	10	10
21	21	10	10	10	10	10	10	10	10
22	21	10	10	10	10	10	10	10	10
23	21	10	10	10	10	10	10	10	10
24	21	10	10	10	10	10	10	10	10
25	21	10	10	10	10	10	10	10	10
26	21	10	10	10	10	10	10	10	10
27	21	10	10	10	10	10	10	10	10
28	21	10	10	10	10	10	10	10	10
29	21	10	10	10	10	10	10	10	10
30	21	10	10	10	10	10	10	10	10
31	21	10	10	10	10	10	10	10	10
32	21	10	10	10	10	10	10	10	10
33	21	10	10	10	10	10	10	10	10
34	21	10	10	10	10	10	10	10	10
35	21	10	10	10	10	10	10	10	10
36	21	10	10	10	10	10	10	10	10
37	21	10	10	10	10	10	10	10	10
38	21	10	10	10	10	10	10	10	10
39	21	10	10	10	10	10	10	10	10
40	21	10	10	10	10	10	10	10	10
41	21	10	10	10	10	10	10	10	10
42	21	10	10	10	10	10	10	10	10
43	21	10	10	10	10	10	10	10	10
44	21	10	10	10	10	10	10	10	10
45	21	10	10	10	10	10	10	10	10
46	21	10	10	10	10	10	10	10	10
47	21	10	10	10	10	10	10	10	10
48	21	10	10	10	10	10	10	10	10
49	21	10	10	10	10	10	10	10	10
50	21	10	10	10	10	10	10	10	10
51	21	10	10	10	10	10	10	10	10
52	21	10	10	10	10	10	10	10	10
53	21	10	10	10	10	10	10	10	10
54	21	10	10	10	10	10	10	10	10
55	21	10	10	10	10	10	10	10	10
56	21	10	10	10	10	10	10	10	10
57	21	10	10	10	10	10	10	10	10
58	21	10	10	10	10	10	10	10	10
59	21	10	10	10	10	10	10	10	10
60	21	10	10	10	10	10	10	10	10
61	21	10	10	10	10	10	10	10	10
62	21	10	10	10	10	10	10	10	10
63	21	10	10	10	10	10	10	10	10
64	21	10	10	10	10	10	10	10	10
65	21	10	10	10	10	10	10	10	10
66	21	10	10	10	10	10	10	10	10
67	21	10	10	10	10	10	10	10	10
68	21	10	10	10	10	10	10	10	10
69	21	10	10	10	10	10	10	10	10
70	21	10	10	10	10	10	10	10	10
71	21	10	10	10	10	10	10	10	10
72	21	10	10	10	10	10	10	10	10
73	21	10	10	10	10	10	10	10	10
74	21	10	10	10	10	10	10	10	10
75	21	10	10	10	10	10	10	10	10
76	21	10	10	10	10	10	10	10	10
77	21	10	10	10	10	10	10	10	10
78	21	10	10	10	10	10	10	10	10
79	21	10	10	10	10	10	10	10	10
80	21	10	10	10	10	10	10	10	10
81	21	10	10	10	10	10	10	10	10
82	21	10	10	10	10	10	10	10	10
83	21	10	10	10	10	10	10	10	10
84	21	10	10	10	10	10	10	10	10
85	21	10	10	10	10	10	10	10	10
86	21	10	10	10	10	10	10	10	10
87	21	10	10	10	10	10	10	10	10
88	21	10	10	10	10	10	10	10	10
89	21	10	10	10	10	10	10	10	10
90	21	10	10	10	10	10	10	10	10
91	21	10	10	10	10	10	10	10	10
92	21	10	10	10	10	10	10	10	10
93	21	10	10	10	10	10	10	10	10
94	21	10	10	10	10	10	10	10	10
95	21	10	10	10	10	10	10	10	10
96	21	10	10	10	10	10	10	10	10
97	21	10	10	10	10	10	10	10	10
98	21	10	10	10	10	10	10	10	10
99	21	10	10	10	10	10	10	10	10
100	21	10	10	10	10	10	10	10	10

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2	315	280	Hallportin	11.2	1.50
3 1/2	3985	150	"		refer log
4 1/2	3512	200			

PLUGS AND ADAPTERS

Heaving plug—Material		Length	Depth set
Adapters—Material		Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 1120 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----, 19----- Put to producing 6-5 1961

The production for the first 24 hours was 10 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity °Bé 73

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____	_____	_____, Driller	_____	_____, Driller
_____	_____	_____, Driller	_____	_____, Driller

FORMATION RECORD

CORRECTION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0	570	570	Reddish + LF
570	1051	1051	conglomerate
1051	3042	1040	Grt
3042	3216	174	Margalite
3216	3248	32	lime
3248	3256	8	congl
3256	3260	4	lime
3260	3264	4	lime
3264	3268	4	lime
3268	3270	2	lime
3270	3274	4	lime
3274	3278	4	lime
3278	3280	2	lime
3280	3284	4	lime
3284	3288	4	lime
3288	3292	4	lime
3292	3296	4	lime
3296	3300	4	lime
3300	3304	4	lime
3304	3308	4	lime
3308	3312	4	lime
3312	3316	4	lime
3316	3320	4	lime
3320	3324	4	lime
3324	3328	4	lime
3328	3332	4	lime
3332	3336	4	lime
3336	3340	4	lime
3340	3344	4	lime
3344	3348	4	lime
3348	3352	4	lime
3352	3356	4	lime
3356	3360	4	lime
3360	3364	4	lime
3364	3368	4	lime
3368	3372	4	lime
3372	3376	4	lime
3376	3380	4	lime
3380	3384	4	lime
3384	3388	4	lime
3388	3392	4	lime
3392	3396	4	lime
3396	3400	4	lime
3400	3404	4	lime
3404	3408	4	lime
3408	3412	4	lime
3412	3416	4	lime
3416	3420	4	lime
3420	3424	4	lime
3424	3428	4	lime
3428	3432	4	lime
3432	3436	4	lime
3436	3440	4	lime
3440	3444	4	lime
3444	3448	4	lime
3448	3452	4	lime
3452	3456	4	lime
3456	3460	4	lime
3460	3464	4	lime
3464	3468	4	lime
3468	3472	4	lime
3472	3476	4	lime
3476	3480	4	lime
3480	3484	4	lime
3484	3488	4	lime
3488	3492	4	lime
3492	3496	4	lime
3496	3500	4	lime
3500	3504	4	lime
3504	3508	4	lime
3508	3512	4	lime
3512	3516	4	lime
3516	3520	4	lime
3520	3524	4	lime
3524	3528	4	lime
3528	3532	4	lime
3532	3536	4	lime
3536	3540	4	lime
3540	3544	4	lime
3544	3548	4	lime
3548	3552	4	lime
3552	3556	4	lime
3556	3560	4	lime
3560	3564	4	lime
3564	3568	4	lime
3568	3572	4	lime
3572	3576	4	lime
3576	3580	4	lime
3580	3584	4	lime
3584	3588	4	lime
3588	3592	4	lime
3592	3596	4	lime
3596	3600	4	lime
3600	3604	4	lime
3604	3608	4	lime
3608	3612	4	lime
3612	3616	4	lime
3616	3620	4	lime
3620	3624	4	lime
3624	3628	4	lime
3628	3632	4	lime
3632	3636	4	lime
3636	3640	4	lime
3640	3644	4	lime
3644	3648	4	lime
3648	3652	4	lime
3652	3656	4	lime
3656	3660	4	lime
3660	3664	4	lime
3664	3668	4	lime
3668	3672	4	lime
3672	3676	4	lime
3676	3680	4	lime
3680	3684	4	lime
3684	3688	4	lime
3688	3692	4	lime
3692	3696	4	lime
3696	3700	4	lime
3700	3704	4	lime
3704	3708	4	lime
3708	3712	4	lime
3712	3716	4	lime
3716	3720	4	lime
3720	3724	4	lime
3724	3728	4	lime
3728	3732	4	lime
3732	3736	4	lime
3736	3740	4	lime
3740	3744	4	lime
3744	3748	4	lime
3748	3752	4	lime
3752	3756	4	lime
3756	3760	4	lime
3760	3764	4	lime
3764	3768	4	lime
3768	3772	4	lime
3772	3776	4	lime
3776	3780	4	lime
3780	3784	4	lime
3784	3788	4	lime
3788	3792	4	lime
3792	3796	4	lime
3796	3800	4	lime
3800	3804	4	lime
3804	3808	4	lime
3808	3812	4	lime
3812	3816	4	lime
3816	3820	4	lime
3820	3824	4	lime
3824	3828	4	lime
3828	3832	4	lime
3832	3836	4	lime
3836	3840	4	lime
3840	3844	4	lime
3844	3848	4	lime
3848	3852	4	lime
3852	3856	4	lime
3856	3860	4	lime
3860	3864	4	lime
3864	3868	4	lime
3868	3872	4	lime
3872	3876	4	lime
3876	3880	4	lime
3880	3884	4	lime
3884	3888	4	lime
3888	3892	4	lime
3892	3896	4	lime
3896	3900	4	lime
3900	3904	4	lime
3904	3908	4	lime
3908	3912	4	lime
3912	3916	4	lime
3916	3920	4	lime
3920	3924	4	lime
3924	3928	4	lime
3928	3932	4	lime
3932	3936	4	lime
3936	3940	4	lime
3940	3944	4	lime
3944	3948	4	lime
3948	3952	4	lime
3952	3956	4	lime
3956	3960	4	lime
3960	3964	4	lime
3964	3968	4	lime
3968	3972	4	lime
3972	3976	4	lime
3976	3980	4	lime
3980	3984	4	lime
3984	3988	4	lime
3988	3992	4	lime
3992	3996	4	lime
3996	4000	4	lime
4000	4004	4	lime
4004	4008	4	lime
4008	4012	4	lime
4012	4016	4	lime
4016	4020	4	lime
4020	4024	4	lime
4024	4028	4	lime
4028	4032	4	lime
4032	4036	4	lime
4036	4040	4	lime
4040	4044	4	lime
4044	4048	4	lime
4048	4052	4	lime
4052	4056	4	lime
4056	4060	4	lime
4060	4064	4	lime
4064	4068	4	lime
4068	4072	4	lime
4072	4076	4	lime
4076	4080	4	lime
4080	4084	4	lime
4084	4088	4	lime
4088	4092	4	lime
4092	4096	4	lime
4096	4100	4	lime
4100	4104	4	lime
4104	4108	4	lime
4108	4112	4	lime
4112	4116	4	lime
4116	4120	4	lime
4120	4124	4	lime
4124	4128	4	lime
4128	4132	4	lime
4132	4136	4	lime
4136	4140	4	lime
4140	4144	4	lime
4144	4148	4	lime
4148	4152	4	lime
4152	4156	4	lime
4156	4160	4	lime
4160	4164	4	lime
4164	4168	4	lime
4168	4172	4	lime
4172	4176	4	lime
4176	4180	4	lime
4180	4184	4	lime
4184	4188	4	lime
4188	4192	4	lime
4192	4196	4	lime
4196	4200	4	lime
4200	4204	4	lime
4204	4208	4	lime
4208	4212	4	lime
4212	4216	4	lime
4216	4220	4	lime
4220	4224	4	lime
4224	4228	4	lime
4228	4232	4	lime
4232	4236	4	lime
4236	4240	4	lime
4240	4244	4	lime
4244	4248	4	lime
4248	4252	4	lime
4252	4256	4	lime
4256	4260	4	lime
4260	4264	4	lime
4264	4268	4	lime
4268	4272	4	lime
4272	4276	4	lime
4276	4280	4	lime
4280	4284	4	lime
4284	4288	4	lime
4288	4292	4	lime
4292	4296	4	lime
4296	4300	4	lime
4300	4304	4	lime
4304	4308	4	lime
4308	4312	4	lime
4312	4316	4	lime
4316	4320	4	lime
4320	4324	4	lime
4324	4328	4	lime
4328	4332	4	lime
4332	4336	4	lime
4336	4340	4	lime
4340	4344	4	lime
4344	4348	4	lime
4348	4352	4	lime
4352	4356	4	lime
4356	4360	4	lime
4360	4364	4	lime
4364	4368	4	lime
4368	4372	4	lime
4372	4376	4	lime
4376	4380	4	lime
4380	4384	4	lime
4384	4388	4	lime
4388	4392	4	lime
4392	4396	4	lime
4396	4400	4	lime
4400	4404	4	lime
4404	4408	4	lime
4408	4412	4	lime
4412	4416	4	lime
4416	4420	4	lime
4420	4424	4	lime
4424	4428	4	lime
4428	4432	4	lime
4432	4436	4	lime
4436	4440	4	lime
4440	4444	4	lime
4444	4448	4	lime
4448	4452	4	lime
4452	4456	4	lime
4456	4460	4	lime
4460	4464	4	lime
4464	4468	4	lime
4468	4472	4	lime
4472	4476	4	lime
4476	4480	4	lime
4480	4484	4	lime
4484	4488	4	lime
4488	4492	4	lime
4492	4496	4	lime
4496	4500	4	lime
4500	4504	4	lime
4504	4508	4	lime
4508	4512	4	lime
4512	4516	4	lime
4516	4520	4	lime
4520	4524	4	lime
4524	4528	4	lime
4528	4532	4	lime
4532	4536	4	lime
4536	4540	4	lime
4540	4544	4	lime
4544	4548	4	lime
4548	4552	4	lime
4552	4556	4	lime
4556	4560	4	lime
4560	4564	4	lime
4564	4568	4	lime
4568	4572	4	lime
4572	4576	4	lime
4576	4580	4	lime
4580	4584	4	lime
4584	4588	4	lime
4588	4592	4	lime
4592	4596	4	lime
4596	4600	4	lime
4600	4604	4	lime
4604	4608	4	lime
4608	4612	4	lime
4612	4616	4	lime
4616	4620	4	lime
4620	4624	4	lime
4624	4628	4	lime
4628	4632	4	lime
4632	4636	4	lime
4636	4640	4	lime
4640	4644	4	lime
4644	4648	4	lime
4648	4652	4	lime
4652	4656	4	lime
4656	4660	4	lime
4660	4664	4	lime
4664	4668	4	lime
4668	4672	4	lime
4672	4676	4	lime
4676	4		

FORMATION RECORD—Continued

16-43094-4

400-200-2000

DEVELOP

0091 7411

U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D. C.

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. The lines are thin and black, set against a white background. There is a small dark speck near the top center of the page.

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 _____

Location of _____ ft. S. _____ ft. E. of _____ line and _____ ft. W. _____ of _____ line of _____

Elevation _____ (Darker box relative to sea level)

County _____

Field _____ State _____

Address _____

Company _____

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

Title _____ Date _____

Commenced drilling	Finished drilling
19	19

OIL OR GAS SANDS OR ZONES

(D) 2000 and 2001

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

Cast No.	Weight	Thrust per inch	Make	Amount	Kind of shoe	Cut and drilled from	Perforated From To	Purpose
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 "sacked" or left in the well, give its size and location. If the well has been dynamited, give date, size, 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 bailing.								

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 10-48004-2

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Adaptable - Material	Length	Depth set
Adaptable - Material	Length	Depth set

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Cable tools were used from	feet to	feet and from	feet to

DATE

It gas well, cu. ft. per 24 hours	19
Emulsion, % water; and % sediment.	
The production for the first 24 hours was	
Barrels of fluid of which % was oil; %	
Put to producing	19
Gallons gasoline per 1,000 cu. ft. of gas	
Gravity, 60° F.	

EMPLOYEES

Driller	_____	_____	_____
Driller	_____	_____	_____

FORMATION RECORD

[illegible]