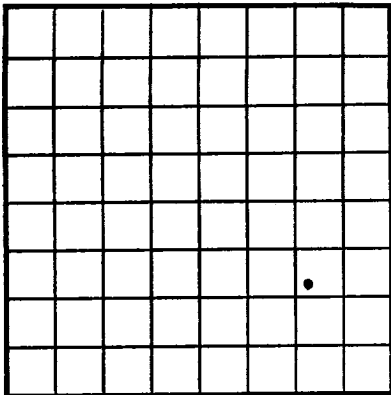


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 057798  
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Paton Bros. Address Artesia, N. Mex.  
Lessor or Tract Magruder Field Empire State N. Mex.  
Well No. 2 Sec. 35 T. 17S R. 27E Meridian NMPM County Eddy  
Location 1650 ft. N. of S. Line and 990 ft. W. of E. Line of Sec. 35 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 \_\_\_\_\_

Date Nov. 8, 1941 Title Secretary

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

Commenced drilling Oct. 21, 1941, 19\_\_\_\_ Finished drilling Oct. 25, 1941

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

No. 1, from 484 to 497 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 None 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—	
<u>8"</u>	<u>28#</u>	<u>8</u>	<u>Lapweld</u>	<u>426'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8"</u>	<u>426'</u>	<u>45</u>	<u>Halliburton</u>		<u>8 sacks</u>

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

Acidized with 1000 gallons 15% acid from 484' to 500'

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 500 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

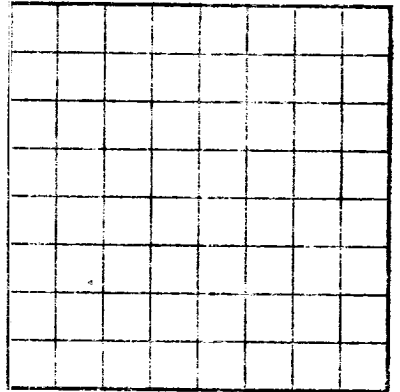
Put to producing Oct. 31, 1941  
The production for the first 24 hours was 40 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_  
If gas well, cu. ft. per 24 hours Slight Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller T. L. Fulton, Driller  
M. K. Clark, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Caliche
10	40	30	Red rock
41	90	50	Anhydrite and Red rock
91	185	95	Anhydrite
186	215	30	Anhydrite and Red rock
216	285	70	Red Rock
286	340	55	Anhydrite & Red rock
341	418	78	Anhydrite
419	423	5	Red rock
424	460	37	Anhydrite and lime
461	484	24	Anhydrite
485	489	5	Brown Lime (O81)
490	493	4	Anhydrite
494	496	3	Brown Lime and anhydrite (O11)
497		1	Anhydrite
498	500	3	Blue shale



# LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES

U. S. LAND OFFICE  
SERIAL NUMBER  
PLEASE OR PERMIT TO PROSPECT

Company \_\_\_\_\_  
Lessor or Trust \_\_\_\_\_  
Well No. \_\_\_\_\_  
Location \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_  
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.

Date \_\_\_\_\_  
The summary on this page is for the condition of the well at above date  
Commenced drilling \_\_\_\_\_  
Finished drilling \_\_\_\_\_

## OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

## IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

## CASING RECORD

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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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 "backed" 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

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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## MUDDING AND CEMENTING RECORD

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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## TOOLS AND ADAPTERS

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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## SHOOTING RECORD

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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## TOOLS USED

Size	Weight	Length	Make	Amount	Kind of joint	Cut and galled from	Restored	Purpose
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## DATES

Put to producing \_\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ was oil.

## EMPLOYEES

Driller \_\_\_\_\_  
Driller \_\_\_\_\_

## FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Blue shale
10	15	25	Hydrite
15	20	35	Green shale (oil)
20	25	45	Hydrite
25	30	55	Red shale
30	35	65	Hydrite
35	40	75	Red shale
40	45	85	Hydrite
45	50	95	Red shale
50	55	105	Hydrite
55	60	115	Red shale
60	65	125	Hydrite
65	70	135	Red shale
70	75	145	Hydrite
75	80	155	Red shale
80	85	165	Hydrite
85	90	175	Red shale
90	95	185	Hydrite
95	100	195	Red shale
100	105	205	Hydrite
105	110	215	Red shale
110	115	225	Hydrite
115	120	235	Red shale
120	125	245	Hydrite
125	130	255	Red shale
130	135	265	Hydrite
135	140	275	Red shale
140	145	285	Hydrite
145	150	295	Red shale
150	155	305	Hydrite
155	160	315	Red shale
160	165	325	Hydrite
165	170	335	Red shale
170	175	345	Hydrite
175	180	355	Red shale
180	185	365	Hydrite
185	190	375	Red shale
190	195	385	Hydrite
195	200	395	Red shale
200	205	405	Hydrite
205	210	415	Red shale
210	215	425	Hydrite
215	220	435	Red shale
220	225	445	Hydrite
225	230	455	Red shale
230	235	465	Hydrite
235	240	475	Red shale
240	245	485	Hydrite
245	250	495	Red shale
250	255	505	Hydrite
255	260	515	Red shale
260	265	525	Hydrite
265	270	535	Red shale
270	275	545	Hydrite
275	280	555	Red shale
280	285	565	Hydrite
285	290	575	Red shale
290	295	585	Hydrite
295	300	595	Red shale
300	305	605	Hydrite
305	310	615	Red shale
310	315	625	Hydrite
315	320	635	Red shale
320	325	645	Hydrite
325	330	655	Red shale
330	335	665	Hydrite
335	340	675	Red shale
340	345	685	Hydrite
345	350	695	Red shale
350	355	705	Hydrite
355	360	715	Red shale
360	365	725	Hydrite
365	370	735	Red shale
370	375	745	Hydrite
375	380	755	Red shale
380	385	765	Hydrite
385	390	775	Red shale
390	395	785	Hydrite
395	400	795	Red shale
400	405	805	Hydrite
405	410	815	Red shale
410	415	825	Hydrite
415	420	835	Red shale
420	425	845	Hydrite
425	430	855	Red shale
430	435	865	Hydrite
435	440	875	Red shale
440	445	885	Hydrite
445	450	895	Red shale
450	455	905	Hydrite
455	460	915	Red shale
460	465	925	Hydrite
465	470	935	Red shale
470	475	945	Hydrite
475	480	955	Red shale
480	485	965	Hydrite
485	490	975	Red shale
490	495	985	Hydrite
495	500	995	Red shale
500	505	1000	Hydrite

## FORMATION RECORD—Continued