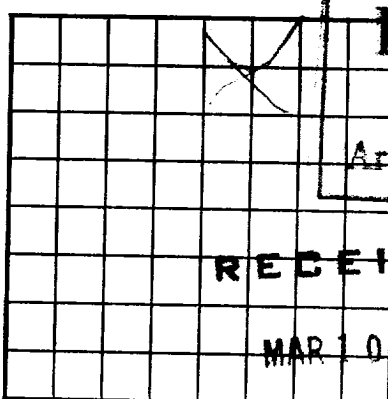


Form 9-330



GEOLOGICAL SURVEY

RECEIVED

DEC 18 1943

Artesia, New Mexico

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE 428 Graces

SERIAL NUMBER 060544

LEASE OR PERMIT TO PROSPECT

Noted
J. A. Frost

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

ARTESIA, OFFICE

Company Nay Hightower Address Artesia, New MexicoLessor or Tract Gr 1er Field Square Lake State N.M.Well No. 11 Sec. 31 T15 R31 Meridian N. P. M. County EddyLocation 660 ft. (N. 8.) of Line and 1980 ft. (E. 1/4) of 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 Nay HightowerDate 12-16-43 Title Owner

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

Commenced drilling 10-10-43, 19____ Finished drilling 12-7-43, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3168 to 3175 No. 4, from 3270 to 3277No. 2, from 3210 to 3220 No. 5, from _____ to _____No. 3, from 3240 to 3247 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2440 to 2445 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—	
10-3/4	40	8	Seamless	550	Texas	surface			to surface
8-5/8	28	8	"	2903	"	surface			to surface
7" O.D.	20	8	"	3018	"	surface			to surface
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	550	50	West Texas	to surface	
8-5/8	2503		" "	to surface	15
O.D.	3018	100	" "	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
5"		Nitro glycerian	210 qts	12-8-43	3270	3270

TOOLS USED

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

Cable tools were used from 0 feet to 3297 feet, and from _____ feet to _____ feet

DATES

12-16-43, 19____ Put to producing 12-9-43, 19____

The production for the first 24 hours was 120 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

Carl Byler, Driller C. E. Parker, DrillerJ. Marsh, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	caliche pipe
10	40	30	red rock
40	55	15	gravel
55	285	230	red rock
285	430	145	anhydrite
430	545	115	anhydrite & red rock
545	550	15	anhydrite
550	1375	825	salt
1375	1560	185	anhydrite
1560	1635	75	anhydrite & red rock
1635	1690	55	hard anhydrite
1690	1745	55	anhydrite & red rock
1745	2445	700	anhydrite 1875 little gas show
2445	2452	7	water sand
2452	2460	8	sand
2460	2483	23	red sand
2483	2492	9	sand & shale
2492	2498	6	sand
2498	2503	15	anhydrite
2503	2540	37	lime
2540	2550	10	anhydrite & shale
2550	2575	25	lime
2575	2615	40	anhydrite & lime shell
2615	2628	13	lime
2628	2640	12	anhydrite

(OVER)

FORMATION RECORD—Continued

6-6746

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2640	2675	35	anhydrite & red rock
2675	2700	25	anhydrite & white shale
2700	2730	30	anhydrite & sandy red rock
2730	2757	27	anhydrite & limeshell
2757	2795	38	anhydrite & sandy red rock
2795	2820	25	anhydrite
2820	2835	15	red rock
2835	2845	10	anhydrite & red rock
2845	2895	50	anhydrite & lime
2895	2900	5	anhydrite
2900	2965	65	lime
2965	3000	35	broken lime & red rock sandy
3000	3018	18	lime
3018	3028	10	hard gray limestone
3028	3150	122	lime
3150	3168	18	lime greenish oil show
3168	3175	7	lime pink
3175	3180	5	broken white lime
3180	3185	5	hard gray lime
3185	3195	10	broken white lime
3195	3210	15	lime gray hard
3210	3220	10	brownlime & bentonite
3220	3297	77	white lime

FORMATION RECORD

EMPLOYEES

Flow pressure, lbs. per sq. in. at 24 hours. The production for the first 24 hours was 1.5 mcf of gas and 1.5 mcf of water; and 1.5 mcf of sediment.

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 "stretched" 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.

SHOOTING RECORD

PLUGS AND ADAPTERS

DATE	LOCATION	DEPTH SET
1917	100	100
1917	100	100
1917	100	100

MUDGING AND CEMENTING RECORD

DATE	LOCATION	DEPTH SET
1917	100	100
1917	100	100
1917	100	100

HISTORY OF OIL OR GAS WELL

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 "stretched" 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.

DRILLING RECORD

DATE	LOCATION	DEPTH SET
1917	100	100
1917	100	100
1917	100	100

IMPORTANT WATER SANDS

DATE	LOCATION	DEPTH SET
1917	100	100
1917	100	100
1917	100	100

OIL OR GAS SANDS OR ZONES

DATE	LOCATION	DEPTH SET
1917	100	100
1917	100	100
1917	100	100

The summary on this card is for the location of the well at above date.
Completed drilling 1917-1917
Signed _____
The information given hereafter is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.
Location _____ of _____ side and _____ of _____
Well No. _____
Location of Tract _____
Company _____
LOCATE WELL CORRECTLY
ARIZONA OFFICE
MAR 10 1917
RECEIVED

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

U. S. LAND OFFICE

UNITED STATES

Leave or Permit to Prospect
Serial Number
U. S. Land Office