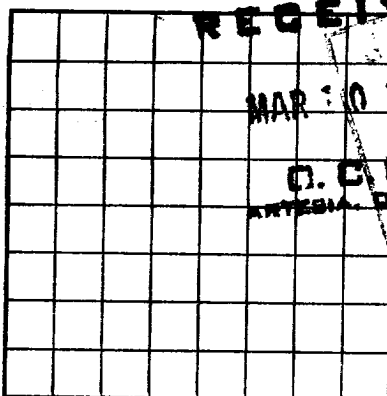


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029431
LEASE OR PERMIT TO PROSPECT Geo. EtzUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

JUN - 4 1945

U. S. GEOLOGICAL SURVEY
Denver, Colorado

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Nay Hightower Address 212 Ward Bldg. Artesia
Lessor or Tract Geo. Etz Field Square Lake State New Mexico
Well No. Etz #2 Sec. 19 T. 16 R. 31 Meridian N.M.P.M. County Eddy
Location 660 ft. (N.) of xxxx Line and 1668 ft. (W.) of xxxx of Sec. 19 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 5-11-45 Title Owner

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

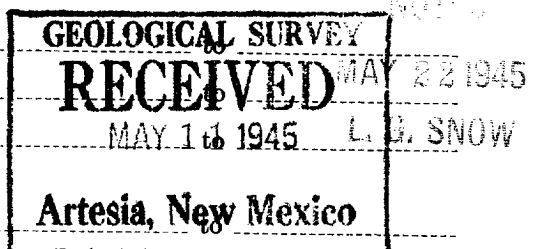
Commenced drilling Feb. 17, 19 45 Finished drilling April 18, 19 45

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2700 to 2710 No. 4, from _____
No. 2, from 3043 to 3047 No. 5, from _____
No. 3, from 3100 to 3109 No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
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"	20		Halliburton	50 cement					water shut
8 1/2"	20		Halliburton	Heavy mud					
7"	20		Halliburton	100 cement					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	490	50 cement	Halliburton	circulated	to top
8 1/2"	2475	Heavy mud	Halliburton	"	" "
7"	2978	100 cement	Halliburton	"	" "

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
3 1/2"		nitroglycerin	290 qts	4/20/45	3302	3282

TOOLS USED

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

DATES

_____, 19____ Put to producing 5-11-45, 19____The production for the first 24 hours was 60 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

_____, Driller _____, Driller
G. W. Hill _____, Driller W. C. Cox _____, Driller
W. C. Kapp _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	30	30	sand
30	120	90	sand & red bed
120	137	17	Red bed
137	145	8	Anhydrite
145	180	35	red bed
180	230	50	red sand
230	295	65	red bed
295	412	117	Anhydrite
412	425	13	Broken anhydrite
425	480	55	red rock
480	1405	925	salt
1405	1555	150	Anhydrite broken
1555	1575	20	Anhydrite
1575	1590	15	Red shale
1590	1635	45	Anhydrite Red bed broken
1635	1810	205	Anhydrite broken
1810	1870	30	Anhydrite white
1870	2205	335	Anhydrite
2205	2215	10	Broken Anhydrite
2215	2269	24	Broken Anhydrite
2269	2425	156	Anhydrite
2425	2448	23	red sand
2448	2450	2	Anhydrite
2450	2452	2	red shale
2452	2660	208	red shale

FROM—	TO—	TOTAL FEET	FORMATION
2660-	2700	40	Broken Anhydrite
2700	2710	10	Sand Grey show of gas
2710	2760	50	Anhydrite
2760	2810	50	Anhydrite broken
2810	2820	10	lime
2820	2850	30	lime anhydrite broken
2850	2890	40	lime broken
2890	2915	25	broken anhydrite & lime
2915	2940	25	lime broken
2940	2965	25	lime broken
2965	2978	13	lime
2978	2987	9	lime
2987	3002	15	broken lime
3002	3021	19	lime
3021	3043	22	broken lime
3043	3047	4	sand oil
3047	3100	53	lime
3100	3109	9	sand increase in oil
3109	3132	23	sandy lime
3132	3195	63	lime
3195	3202	7	white lime
3202	3207	5	gray lime
3207	3308	95	lime

FORMATION RECORD

Driller

Driller

Driller

Driller

EMPLOYEES

Rock pressure per foot

If the well is not being drilled

Casing pressure per 1,000 cu ft of gas

Casing pressure per 1,000 cu ft of gas

Gravity of oil

The production for the first 24 hours was

Barrels of oil or water or gas

But to producing

DRALES

Casing tools were used from

1966 to

1967 and from

1968 to 1969

Rocking tools were used from

1966 to

1967 and from

1968 to 1969

TOOLS USED

Date of use

Description of tool

Quantity

Date

Per cent used

Remarks on use

SHOOTING RECORD

Date

Depth

Depth of

PLUGS AND JOINTS

Date

Depth

Depth

Depth

Depth

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HISTORY OF OIL OR GAS WELL

16—43094-1

U. S. GOVERNMENT PRINTING OFFICE

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 "sidetracked" 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.