

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 06464A
LEASE OR PERMIT TO PROSPECT _____RECEIVED
DEC 31 1963
ARTESIA, OFFICE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company E. A. CULBERTSON & WALLACE W. IRWIN Address Box 1071, Midland, Texas
Lessor or Tract Federal Field East Benson- State New Mexico
Well No. 2-18 Sec. 18 T19S R31E Meridian NMPM County Eddy
Location 2310 ft. N. of S. Line and 2162.8 ft. E. of W. Line of SW 1/4 Sec. 18 Elevation 3419.3 gr. (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 Wallace W. IrwinDate December 26, 1963 Title Joint owner

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

Commenced drilling November 8, 1963 Finished drilling December 6, 1963OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from _____ to _____ 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 255 to 280 No. 3, from 2335 to 2340
No. 2, from 434 to 438 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>8-5/8"</u>	<u>24</u>	<u>8</u>	<u>Used</u>	<u>460</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>460</u>	<u>150</u>	<u>Halliburton</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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2340 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% 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

Chas. Lamb, Driller John O'Brien, Pusher, Driller
Roy Hill, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Caliche
40	70	30	Sand & shale
70	170	100	Sand & shale
170	215	45	Red bed
215	255	40	Red shale
255	280	25	Water sand; tested 5 1/2 blrs. pr. hr.
280	410	130	Red rock
410	434	24	Anhydrite & shale
434	445	11	Anhydrite - hole full of water 434-438
445	507	62	Anhydrite & gyp
507	600	93	Salt, poly. & red sand
600	735	135	W. salt
735	760	25	Salt & anhydrite
760	860	100	Salt
860	933	73	Salt & poly.
933	950	17	Salt XXXXXXXX
950	967	17	Salt & anhydrite
967	1072	105	Salt
1072	1115	43	Salt & poly.
1115	1163	48	Salt, anhydrite & poly.
1163	1385	222	Salt
1385	1440	55	Salt & poly.
1440	1520	80	Salt
1520	1565	45	Salt & Poly.

(OVER)

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AT THE END OF COMPLETE DRILLER LOG, ADD GEOLOGIC TOPS. STATE WHETHER FROM EL OR SAMPLES

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1565	1614	49	Salt
1614	1635	21	Salt & anhydrite
1635	1655	20	Anhydrite
1655	1773	118	Salt
1773	1832	59	Salt, anhydrite & red sand
1832	2000	168	Anhydrite
2000	2020	20	Brown lime
2020	2060	40	lime, anhydrite, sand & shale
2060	2120	60	Anhydrite
2120	2165	45	Sand & shale, some anhydrite
2165	2200	35	Anhydrite & red sand
2200	2220	20	Lime
2220	2238	18	Sand & lime, sl. show oil
2238	2245	7	Lime
2245	2260	15	Sand, show oil
2260	2275	15	Sand & lime
2275	2290	15	Sand
2290	2305	15	Sand & lime
2305	2340	35	Time - 1 day, water per hour, 2335-2340
			Sample Tops
			Top Anhydrite 410'
			Top Salt 507'
			Base Salt 1832'
			Top Yates 2020'
			Top Seven Rivers 2305'

T.D. 2340

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 "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.