

Las Cruces

U. S. LAND OFFICE 069464-A

SERIAL NUMBER

LEASED TO PRODUCE OR PROSPECT

RECEIVED

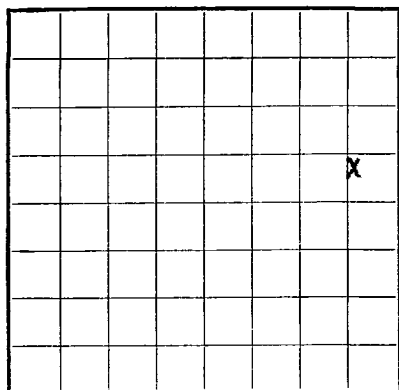
SEP 9 1968

UNITED STATES

D. C. C.
ARTESIAN DEPARTMENT

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company E. A. Culberson & Wallace W. Irwin c/o Haynes & V. T. Drilling Co.
Address 400 1st. Nat'l Bank, Odessa, Tex.
Lessor or Tract Federal Field E. Benson Yates State New Mexico
Well No. 3 Sec. 18 T. 19S R. 30E Meridian N.M.P.M. County Eddy
Location 2310 ft. of N Line and 330 ft. of E Line of Sec. 18 Elevation 3426
(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.

Date September 4, 1968 Signed (J.B. Haynes) Agent, Haynes & V. T. Drlg.

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

Commenced drilling 5/25, 1968 Finished drilling 8/15, 1968

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 2257 to 2266 No. 4, from _____ to _____
No. 2, from 2275 to 2290 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 225 to 265 No. 3, from _____ to _____
No. 2, from 475 to 485 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—	
8-5/8	24	8	Used	492	T.P.				Surface
7	16	8	Used	590	T.P.				Top Salt
4-1/2	8 1/2	8	New	2274	Float				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	492	100	Halliburton		50 Sax
7	590	50	"		50 Sax
4-1/2	2274	100	"		100 Sax

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 _____ feet to 2298 feet, and from _____ feet to _____ feet

DATES

September 4, 1968 Put to producing September 1, 1968

The production for the first 24 hours was 72 barrels of fluid of which 90% was oil; _____% emulsion; 10% water; and _____% sediment. Gravity, °Bé. 33°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

O. E. Wood, Driller _____, Driller
D. R. Turpin, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Sand and Shale
40	75	35	R. Sand
75	175	100	Sand & Shale
175	255	80	R. Bed
255	265	10	Water Sand
265	435	170	R. Bed
435	470	35	Anhydrite, Gypsum & Redbed
470	480	10	Lime, inc. in water
480	555	75	Anhydrite and Lime
555	600	45	Salt, Anhydrite & red shale
600	680	80	Salt
680	700	20	Anhydrite
700	850	150	Salt
850	1200	350	Salt, some Polyhalite
1200	1570	370	Salt
1570	1680	20	Salt
1680	1710	30	Anhydrite
1710	1870	160	Salt
1870	2042	172	Red, gray & white Anhydrite
2042	2054	28 12	Lime, Anhydrite & Sand
2054	2082	28	Lime, Anhydrite & Sand
2082	2140	58	Anhydrite, Shale & Sand
2140	2170	30	Sand & Anhydrite

After well cleaned up after fracture treatment.

(OVER)

16-43084-4

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

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2170	2214	44	Sand
2214	2252	38	Lime and Anhydrite
2252	2275	23	Sand & Lime - Show oil 2257-66'
2275	2290	15	Sand, Inc. in oil
2290	2298	8	Lime
TOTAL DEPTH 2298'			
			Formation tops from samples
			Top Anhydrite 435'
			Top Salt 555'
			Base Salt 1880'
			Top Tansil 1900'
			Top Yates 2054'

HISTORY OF OIL OR GAS WELL

16-48094-2 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.

4-1/2" casing set at 2274 - cemented with 100 Sax. Plug drilled - hole bailed dry - cement job okay. Frac open hole section 2274-2294 with 10,000 gals. jelled water and 10,000 lbs. sand.

Perforated 4-1/2" casing with 2 shots per foot from 2253-2263 and 10,000 gals. jelled water and 7,000# of sand. Shut well in for 12 hours - then swabbed fracture fluid and formation oil through casing until well cleaned up. Set pumping unit and put to producing. Took Potential Test 9/1/68.