

Las Cruces
U. S. LAND OFFICE
SERIAL NUMBER 069464-A
LEASE OR PERMIT TO PROSPECT ERECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
FEB 13 1961
GEOLOGICAL SURVEY
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICORECEIVED
FEB 15 1961
D. C. D.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **E. A. CULBERTSON & WALLACE W. IRWIN & SO. CAL. PET. CORP.** Address **Box 1071, Midland, Texas**
Lessor or Tract **Federal** Field **Wildcat** State **New Mexico**
Well No. **1-18** Sec. **18** T. **19S** R. **31E** Meridian **N.M.P.M.** County **Eddy**
Location **2310** ft. **N.** of **N.** Line and **660** ft. **E.** of **W.** Line of **Sec. 18** Elevation **3413**
(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. Irwin* Title **Joint owner**
Date **February 10, 1961**

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

Commenced drilling **Dec. 16**, 19 **60** Finished drilling **Jan. 5**, 19 **61**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **2221** to **2247** 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 **265** No. 3, from _____ to _____
No. 2, from **355** to **365** 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	486	T.P.				Surface
5-1/2"	14	8	"	2326	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"	485	75 sax 2% gel	Halliburton		50 sax
5-1/2"	2326	80 " " "	"		100 "

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 **2326** feet, and from _____ feet to _____ feet

DATES

February 10, 19 **61** Put to producing **Feb. 9**, 19 **61**

The production for the first 24 hours was **15** barrels of fluid of which **90**% was oil; _____% emulsion; **10**% water; and _____% sediment. Gravity, °Bé. **34**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

B. W. Nester, Driller **John O'Brien**, Driller
Roy Hill, Driller **Chas. Lamb**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	65	65	Sand and shale
65	75	10	R. sand
75	105	30	Red shale
105	255	150	" "
255	265	10	Red sand - Water @ 755'
265	355	90	Red shale
355	365	10	Red sand - Hole full water @ 355'
365	375	10	Lime
375	410	35	Anhydrite
410	425	15	R. shale
425	440	15	Lime
440	450	10	Red shale
450	460	10	Anhydrite
460	488	28	Red shale
488	497	9	Sand
497	505	8	Red shale
505	530	25	Salt, shale & gyp.
530	615	85	Salt
615	630	15	Anhydrite
630	655	25	Salt and polyhalite
655	685	30	Salt
685	725	40	Salt
725	740	15	Anhydrite
740	815	75	Anhydrite & salt
815	905	90	Salt & polyhalite
905	1015	110	Salt

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

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1015	1090	75	Salt & polyhalite
1240	1240	150	Salt
1325	1325	85	Salt & polyhalite
1325	1510	185	Salt
1510	1520	10	Anhydrite
1520	1540	20	Salt
1540	1565	25	Polyhalite
1565	1625	60	Salt
1625	1655	30	Salt & GYP
1655	1835	180	Salt
1835	1880	45	Anhydrite
1880	1940	60	Anhydrite & some red shale
1940	1955	55	Anhydrite
1955	2008	13	Brown lime
2008	2020	12	Brown lime and sand
2020	2060	40	Anhydrite and sand
2060	2115	55	Red sand and anhydrite
2115	2140	25	Sand and shale
2140	2165	25	Lime and anhydrite
2165	2180	15	Anhydrite & red sand
2180	2205	25	Lime & anhydrite
2205	2215	10	Lime, sand & anhydrite
2215	2228	13	Sand & lime - snow oil
2228	2238	10	Sand - inc. in oil
2238	2247	9	Lime & sand, inc. in oil
2247	2260	13	Lime & sand
2260	2270	10	Lime
2270	2280	10	Lime & sand
2280	2300	20	Sand
2300	2326	26	White lime.

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.

After drilling completed Jan. 5, 1961, a Gamma Ray-Sonic log was run in open hole. 5 1/2" casing was then run to bottom and cemented with 100 sack cement. On Jan. 8 tubing was run and top of cement plug checked at 2324' - water was displaced with oil and pipe perforated with 4 shots per foot: 2221 to 2223; 2225 to 2227; 2229 to 2231 and 2233 to 2247'. Well was then fracture treated with 11,760 gals. lease oil and 25,000# sand. Well shut in and pumping unit was installed. Started pumping load oil Jan. 12, 1961.

HISTORY OF OIL OR GAS WELL

RECEIVED
FEB 15 1964
D. C. C.
ARTESIA OFFICE