

GEOLOGICAL SURVEY

RECEIVED

JAN 27 1944

Artesia, New Mexico

U. S. LAND OFFICE 122-07000

SERIAL NUMBER 029437

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

MAR 10 1977

O. C. C.

ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company ~~Artesia Drilling Company~~ Address ~~Box 586, Artesia, New Mexico~~Lessor or Tract ~~Artesia~~ Field ~~Square Lake~~ State ~~New Mexico~~Well No. ~~1~~ Sec. ~~2~~ T. ~~16~~ R. ~~31~~ Meridian ~~N.M.P.~~ County ~~El Paso~~Location ~~760~~ ft. ~~N~~ of ~~Line~~ and ~~560~~ ft. ~~E~~ of ~~Line~~ of ~~20-16-31~~ 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 ~~W. J. Bennett~~Date ~~January 30, 1944~~ Title ~~Partner~~

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

Commenced drilling ~~December 1, 1943~~ Finished drilling ~~January 13, 1944~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~2613~~ to ~~2817~~ No. 4, from ~~3415~~ to ~~3230~~No. 2, from ~~3165~~ to ~~3167~~ No. 5, from ~~3165~~ to ~~3167~~No. 3, from ~~3165~~ to ~~3167~~ No. 6, from ~~3165~~ to ~~3167~~

IMPORTANT WATER SANDS

No. 1, from ~~276~~ to ~~689~~ No. 3, from ~~276~~ to ~~689~~No. 2, from ~~276~~ to ~~689~~ No. 4, from ~~276~~ to ~~689~~

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5 1/2"	26-15	11	Artesia	2000	Artesia	Artesia			Oil string
HISTORY OF OIL OR GAS SANDS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2"	500	50 lbs.	Halliburton		Circulated with Aquafol
5 1/2"	300	100 lbs.	"		"

PLUGS AND ADAPTERS

Heaving plug—Material ~~Artesia~~ Length ~~100~~ Depth set ~~100~~Adapters—Material ~~Artesia~~ Size ~~100~~

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from ~~0~~ feet to ~~0~~ feet, and from ~~0~~ feet to ~~0~~ feetCable tools were used from ~~0~~ feet to ~~3230~~ feet, and from ~~0~~ feet to ~~0~~ feet

DATES

Put to producing ~~January 13, 1944~~The production for the first 24 hours was ~~90~~ barrels of fluid of which ~~100~~ % was oil; ~~0~~ % emulsion; ~~0~~ % water; and ~~0~~ % sediment. Gravity, °Bé. ~~0~~If gas well, cu. ft. per 24 hours ~~0~~ Gallons gasoline per 1,000 cu. ft. of gas ~~0~~Rock pressure, lbs. per sq. in. ~~0~~

EMPLOYEES

~~W. J. Bennett~~, Driller ~~W. J. Bennett~~, Driller~~J. L. Bennett~~, Driller ~~J. L. Bennett~~, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Red Rock
30	105	75	Red Rock
105	315	210	Red Shale
315	325	10	Anhydrite Shells
325	330	5	Red Shale
330	340	10	Anhydrite
340	358	18	Anhydrite shells, red bed on salt
358	650	292	Salt & Anhydrite
650	1150	500	Salt and Potash
1150	1445	295	Salt
1445	1505	60	Salt and Anhydrite
1505	1535	30	Red Mud
1535	1585	50	Anhydrite and Red Shale
1585	1650	65	Anhydrite and Lime
1650	1655	5	Salt
1655	1660	5	Anhydrite
1660	1680	20	Red Shale and Anhydrite
1680	1720	40	Red Sand
1720	2015	295	Anhydrite & Red Shale
2015	2215	200	Anhydrite
2215	2225	10	Gray Lime
2225	2425	200	Anhydrite & Red Shale
2425	2470	45	Anhydrite
2470	2490	20	Lime and Anhydrite
2490	2502	12	Anhydrite

(OVER)

FORMATION RECORD—Continued

