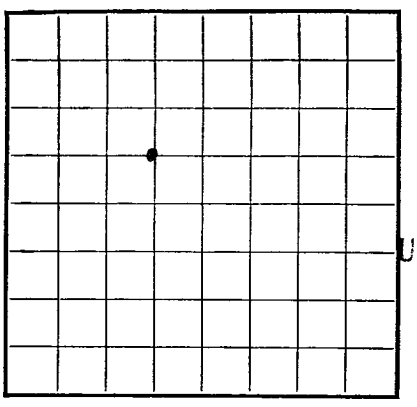
N. M. O. C. C. COPY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 058579
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
AUG 26 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 30 1960
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company C. A. Roach Drilling Company Address 122 South Second St., Artesia, N.M.

Lessor or Tract Western Development Field Loco Hills State New Mexico

Well No. Miller 1 Sec. 4 T. 18S R. 29E Meridian N.M.P.M. County Eddy

Location 1980 ft. [N.] of S Line and 1980 ft. [E.] of W Line of Section 4 Elevation 3539'
(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 C. A. Roach

Date August 25, 1960 Title Owner

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

Commenced drilling May 24, 19 60 Finished drilling June 18, 19 60

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2630 to 2642 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 205 to 215 No. 3, from ____ to ____

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 From—	Perforated To—	Purpose
8 5/8	24#	8rd	Seconds	336'	Tex. Pat.				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	336			Mudded	

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 ____ 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

____, Driller ____, Driller

Jacobs, Driller Wright, Driller

Spencer

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80	80	Caliche
80	117	37	Red Shale
117	205	88	Anhydrite
205	215	10	Sand
215	275	60	Red Shale
275	290	15	Anhydrite
290	360	70	Red Shale
360	390	30	Salt - Red Rock
390	870	480	Salt
870	970	100	Anhydrite
870	1015	45	Anhydrite - Broken
1015	1145	130	Anhydrite Red Shale
1145	1240	95	Anhydrite
1240	1290	50	Shale - Anhydrite
1290	1302	12	Anhydrite Red Rock
1302	1340	38	Anhydrite Red Rock
1340	1551	211	Anhydrite
1551	1560	9	Brown Lime
1560	1572	12	Anhydrite
1572	1582	10	Red Rock
1582	2030	448	Anhydrite
2030	2040	10	Red Sand
2040	2060	20	Anhydrite
2060	2075	15	Anhydrite Lime
2075	2180	105	Anhydrite
2180	2200	20	Grey Lime
2200	2365	165	Anhydrite

(OVER)

FORMATION RECORD—CONTINUED

16—43094-4

FOLD

MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2365	2375	10	Grey Lime
2375	2390	15	Anhydrite
2390	2410	20	Grey Lime
2410	2427	17	Lime
2427	2465	38	Grey Lime
2465	4541	76	Lime
2541	2562	21	Grey Lime
2562	2625	63	Lime
2625	2636	11	Sand
2636	2742	106	Lime
2742	2801	59	Sandy Lime
2801	2830	29	Lime
2830	2839	9	Grey Lime
2839	2848 T.D.	9	Lime

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.