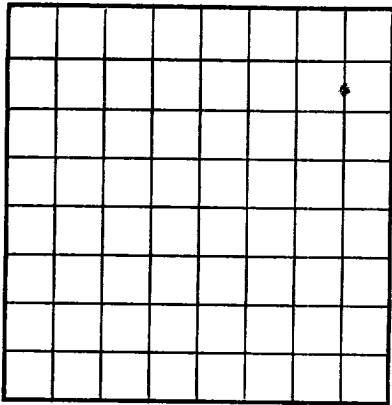


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028465
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Underwood & Sanders Address Box 746, Artesia, New Mexico
Lessor or Tract Field Loco Hills State New Mexico
Well No. 4 Sec. 5 T. 18s R. 29E Meridian N. M. P. M. County Eddy
Location 990 ft. N of N Line and ft. W of E Line of Sec. 4 Elevation 3000 (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 William SandersDate Nov. 12, 1939Title Bookkeeper

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

Commenced drilling Sept. 14, 1939 Finished drilling Nov. 11, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2572 to 2590 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 to 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		Purpose
							From—	To—	
8 1/4"	28#			385'	H				
7" OD	24#			2385'	"				

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/4"	385'	50	Halib.		
7" OD	2385'	100	"		5 tons

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
		Glycerin	300 qs	11/9/39	2654	

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2630 feet, and from feet to feet

DATES

..... Nov. 12, 1939, 19..... Put to producing Nov. 16, 1939, 19.....The production for the first 24 hours was 4 hr. 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

..... Clyde Hicks Driller H. H. McDonald Driller
..... H. B. Mays Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80		sand
80	230		Gyp
230	350		red rock
350	375		Gyp & sand
375	780		Salt
780	880		Lime
880	1010		Anhydrite
1010	1025		red sand
1025	1360		Anhydrite
1360	1385		Lime
1385	2025		Anhydrite
2025	2035		lime
2035	2130		anhydrite
2130	2150		lime
2150	2325		anhydrite
2325	2335		lime
2335	2345		anhydrite
2345	2505		brown lime
2505	2515		grey lime
2515	2570		brown lime
2570	2605		sandy lime oil & gas showing
2605	2618		lime
2618	2630		red sandy lime " " "
2630	2644		grey lime

(OVER)

FORMATION RECORD—Continued

