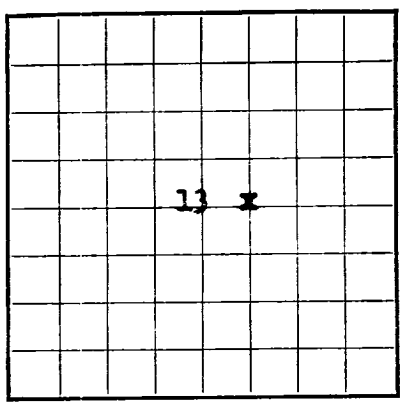
N. M. O. C. C.

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER LC-050797
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
SEP 15 1964
O. C. C.
ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SEP 11 1964
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Neil H. Wills et al Address Drawer W Carlsbad, N. M.

Lessor or Tract Wills Field Russell State New Mexico

Well No. 39 Sec. 13 T. 20S R 28E Meridian NMPM County Eddy

Location 2630 ft. {N. / S.} of N Line and 1980 ft. {E. / W.} of E Line of Sec. 13 Elevation 3252 (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 Neil H Wills

Date September, 1964 Title Owner

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

Commenced drilling 6-2, 1964 Finished drilling 6-29, 1964

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 850 to 863 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 From—	Perforated To—	Purpose
7"	20#	Cpl	Nat'l	160	Cup				Surface
4½"	9#	8rd	Nat'l	850	Float				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	160	15	Halliburton		
4½"	850	60	"		

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
3"		Solidified	22	7/22/64	863-848	863

TOOLS USED

Rotary tools were used from 0 feet to 863 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

9-4, 1964 Put to producing 9-1, 1964

The production for the first 24 hours was 20 barrels of fluid of which 60 % was oil; % emulsion; 40 % 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

J. C. Wilson, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	100	100	Sand and gyp shells
100	234	134	Sand and Red shale
234	259	25	Gypsum
259	460	201	Gypsum & red shale
460	540	80	Salt and potash
540	579	39	Salt ~~[illegible]~~
579	620	41	Salt & Potash
620	[illegible]	50	Broken anhydrite
[illegible]	831	51	Lime
831	850	19	Broken Lime
850	[illegible]	13	Oil sand

(Sample log over)

FOLD MARK

[OVER]

16—43094-5

GOVERNMENT PRINTING OFFICE—[illegible]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	400	400	No samples
400	440	40	4 samples Red shale 80 gyp 20
440	470	30	3 " " " 50 " 50
470	610	140	14 " Salt 50 Red sand 50
610	645	35	4 " " 30 Anhyd 40 Red sand 30
645	675	30	6 " Anhyd 75 Red sand 25
675	730	55	11 " Dolo 35 Anhyd 35 Red sand 30
730	750	20	4 " " 60 " 10 " " 30
750	780	30	6 " " 25 " 45 " " 30
780	815	35	7 " Br Dolo 70 " 10 " " 20
815	850	35	7 " Gypsum 50 Dolo 20 " " 30
850	863	13	3 " Oil sand

TD 863

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.