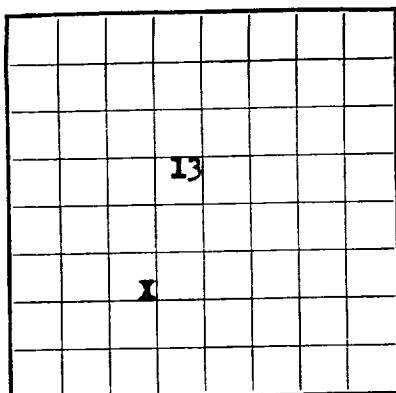


Form 9-830

U. S. LAND OFFICE

SERIAL NUMBER LE-050797

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
C. C. DEPARTMENT OF THE INTERIOR
ARTESIA, OFFICE GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Neil H. Wills Address Drewer W. Carlsbad, N. M.
Lessor or Tract LC-080727 Field Russell State New Mexico
Well No. Wills-33 Sec. 13 T. 20S. R. 28E. Meridian NMP County Eddy
Location 1330 ft. N. of S. Line and 1920 ft. E. of W. Line of Section 13 Elevation 3248
(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.

Date 8-5-63 Title Agent

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

Commenced drilling ----- 6-27, 1963 ----- Finished drilling ----- 7-29, 1963 -----

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 800 ft to 820 ft 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	95 ft	15 sacks	pump		
4 1/2"	800 1/2 ft	160 sacks	Dowell		

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
18 quarts	2 1/2 hr time bomb	nitroglycerine	18 lbs	7-29-63	818-806	

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 820 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

-----**Thomas A. Tutor**-----, Driller -----, Driller
-----, Driller -----, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	95	95	Red bed & sand
95	459	364	Red bed & gyp
459	600	141	Salt
600	690	90	Anhydrite and lime
690	707	17	Lime
707	733	26	Anhydrite & lime
733	760	27	Lime
760	820 TD	60	Yates formation

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

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
0	350	350	No samples
350	415	65	Crappy red beds - sand etc.
415	430	30	Gypsum
430	450	20	Gypsum
450	560	110	Salt
560	600	40	Salt
600	620	20	Any
620	660	40	Any
660	670	10	Any
670	690	20	Salt
690	710	20	Dol
710	730	20	"
730	740	10	"
740	750	10	"
750	760	10	"
760	765	5	"
765	770	5	Any
770	780	10	Any
780	790	10	Any
790	800	10	Brown sd
800	820	20	Russell Sand

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.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

LOG OF OIL OR GAS WELL