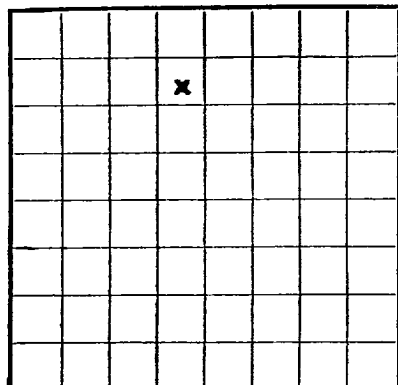


Form 9-330

U. S. LAND OFFICE New MexicoSERIAL NUMBER 916796

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JAN 4 1960

O. C. C.
SERIAL OFFICE

LOG OF OIL OR GAS WELL

Company Casper Drilling Company, Inc. Address Artesia, New Mexico
Lessor or Tract Federal MA 5A Field Wildcat State New Mexico
Well No. 112 Sec. 31 T. 17S R. 33E Meridian NMP County Lea
Location 710 ft. of N Line and 213 ft. of E Line of Sec. 31 Elevation 4008
(Elevation four 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 E. Stemml
Date December 29, 1959 Title Production Superintendent

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

Commenced drilling October 17, 1959 Finished drilling December 16, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5410 to 8452 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	From—	To—	Purpose
13 3/8	48	8	3X	280	Reamer	None			Surface casing
8 5/8	31	8	3X	570	Reamer	None			Intermediate casing
5 1/2	17	8	3X	1195	Reamer	None			Production casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	295'	200	pump & plug		
8 5/8	2785'	530	" "		
5 1/2	9001'	1195	" "		

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 10,015 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was 432 barrels of fluid of which 100 % was oil; 59 % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 38

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. W. Reed _____, Driller Frank Rylant _____, Driller
R. E. Arrowood _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	300	300	Sand, caliche, gravel & red beds
300	1250	950	Red beds
1250	1470	220	Anhy.
1470	2455	985	Salt
2455	4115	1660	Anhyd. w/interbedded red shale, sandstones, & dolo.str.
4115	4450	335	Dolo. & sandstone
4450	5450	1000	Dolo.
5450	5500	50	Dolo. w/sandstone stringers
5500	5840	340	Dolo. & chert
5840	6300	460	Limestone & chert w/black shale stringers
6300	7060	760	Dolo., Limestone & chert
7060	7900	840	Dolo., & sandstone w/interbedded chert
7900	8220	320	Black limestone
8220	8280	60	Dolo. & chert
8280	8410	130	Dolo. & green shale
8410	8830	420	Dolo. & Anhyd.
8830	9510	680	Dolo.
9510	9910	400	Limestone
9910	10015	105	Dolo., limestone & chert

Enclosed are two copies Schlumberger Gamma Ray-Neutron, Induction-ES and resistivity logs.

W—

LO—

LOUVT LERL

[OVER]

KOFVVLIGZ

10-43094-4

FORMATION RECORD—Continued

