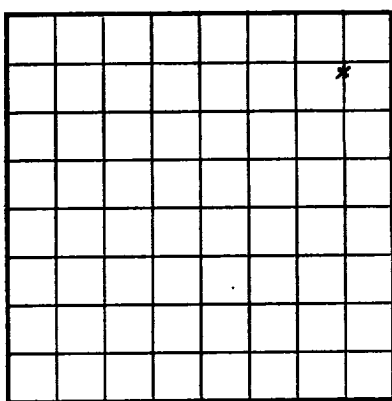


Form 9-280

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 064118
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amon G. Carter Address P. O. Box 1688, Kermit, Texas
Lessor or Tract E. C. Hill Field Wildcat State New Mexico
Well No. 1-D Sec. 34 T. 23-S R. 37-E Meridian NMPM County Lea
Location 810 ft. (N) of N Line and 660 ft. (E) of E Line of Section 34 Elevation 3273
(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 February 11, 1952 Signed [Signature] Title Field Manager

The summary on this page is for the condition of the well at above date.
Commenced drilling December 11, 1952 Finished drilling January 26, 1952

OIL OR GAS SANDS OR ZONES

No. 1, from 7150 to 7484 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 7379 to 7484 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
13-3/8	48#	8	Spang	307	Halliburton	None		
9-5/8	36#	8	Spang	288	Halliburton	None		
7" OD	23#	8	Spang	116	Halliburton	None		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	322	300 sacks + 3% gel	Pump & plug		
9-5/8	2,899	1400 sacks + 3% gel	Pump & plug		
7" OD	7,104	500 sacks + 3% gel	Pump & plug		

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 Surface feet to 7484 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 11, 1952 Put to producing January 24, 1952
The production for the first 24 hours was 823 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 43.4 @ 60
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. B. Woods, Driller W. H. Forester, Driller
Luthur Sapp, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1060	1060	Red Sand & Shale
1060	1195	135	Anhydrite, Red Sand & Shale
1195	2250	1055	Salt, Shale and Potash
2250	2450	200	Anhydrite, Sand & Shale
2450	3840	1390	Anhydrite, Sand, Lime & Shale
3840	4950	1110	Lime, Some Shale & Anhydrite
4950	5850	900	Sand, Lime & Shale
5850	7070	1220	Lime & Some Shale & Sand
7070	7160	90	Broken Lime & Shale
7160	7484	324	Lime & Chert
			Top Anhydrite 1050 (+2223)
			Top Salt 1195 (+2078)
			Base Salt 2250 (+1023)
			Top Yates 2480 (+793)
			Top Queen 3220 (+53)
			Top Penrose 3345 (-72)
			Top Grayburg 3520 (-247)
			Top San Andres 3785 (-512)
			Top Glorieta 4913 (-1640)
			Top Tubbs 5885 (-2612)
			Base Permian 7086 (-3813)
			Top Devonian 7150 (-3877)

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16-43094-2

FORMATION RECORD—Continued

U.S. LAND OFFICE _____
 SERIAL NUMBER _____
 LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

Location of _____ of _____ Line and _____ ft {
of _____ Line of _____ Elevation _____

Well No. _____ Sec _____ T _____ R _____ Meridian _____

Lessor or Trust _____ Field _____ State New Mexico

Company _____ Address _____ Box 1084, Fairview, Texas

The information given herewith is a complete and correct record of the well and all work done thereon.
The information given herewith is a complete and correct record of the well and all work done thereon.

so far as can be determined by observation and drilling mud, no water, gas oil ratio 1580.
The information given herewith is a complete and correct record of the well and all work done thereon.

Date _____
Time _____

3 hours, 20 minutes, Gas to surface in 5 minutes, oil & gas cut and in-
25 minutes, oil to tank in 45 minutes. Flowed 49.68 barrels first hour,
42.78 barrels second hour, 22.08 barrels next half hour. Gravity 71.9 @ 60,

Completed drilling
Lugged back from 747 to 737 with 55 sacks regular cement, waited on
cement 45 minutes, then immediately started test from 7100 to 7345, Tool open

Time	Pressure	Temperature	Flow	Remarks
5:42	5552	5555	Open 4 hrs. Gas in 7 min. Recovered 500 l. Oil & Gas Cut Water.	
5:52	5675	5675	Open 4 hrs. Gas in 10 min. Rec: 390 l. Gas Cut Water. No oil, no salt water.	
6:12	6355	6355	Open 4 hours, Gas in 10 min. Rec: 375 l. Clean oil 37.7 gravity, 125 l. Oil & Gas Cut Water, 550 l. Salt Water.	
7:03	7305	7305	Open 2 hours & 25 min. - Gas in 4 minutes, Fluid 13 minutes (Oil & Gas Cut Mud) Clean oil in 25 minutes - 60 bbls 1st hr. - 58 bbls. 2nd hour.	
7:30	7430	7430	Open 2-1/2 hrs - Gas in 4 min. 1st hr. 53 bbls. 2nd hr. 43 bbls. and hr. - 2% water, 6% drlg. mud - (Circulated out, Recovered: 60 l. Sulphur Water)	
7:49	7484	7484	Open 2-1/2 hrs. - Gas in 4 min. Good blow, which diminished to zero by end of test. Rec: 4500 lbs. Sulphur & Gas Cut Water, with trace of Sulphur odor.	

[illegible]

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 "snatched", 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.

HISTORY OF OIL OR GAS WELL

[illegible]

FORMATION RECORD—Continued

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