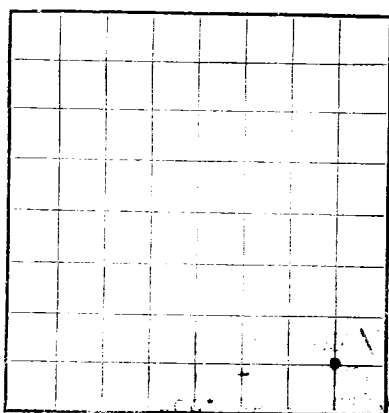


U. S. LAND OFFICE **New Mexico**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

0775UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**LOG OF OIL OR GAS WELL**

Company **Jake L. Hamon & Warren-Pet. Corp.** Address **box 4162, Odessa, Texas**
Lessor or Tract **0775** Field **South Knowles Dev.** State **New Mexico**
Well No. **2** Sec. **13** T. **17-S** R. **38-E** Meridian **103° +** County **Lea**
Location **660** ft. **N** of **S** Line and **660** ft. **W** of **E** Line of **Section 13** Elevation **3698**
(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 *H. W. Shaw*
Date **January 25, 1955** Title **Engineer**

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

Commenced drilling **September 23,** 19 **54** Finished drilling **January 15,** 19 **55**

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

No. 1, from **12,186** to **12,278** 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 **None** 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—	
13 3/8	48	8	Spang	290'	Larkin				Surface
9 5/8	48	8	Spang	4982'	Baker				Intermediate
5 1/2	20	8	Spang	12,287'	Baker	12,186	12,216		Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	313'	250	Pump		
9 5/8	4983'	2840	Pump		
5 1/2	12,287'	500	Pump		

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 **0** feet to **12,283** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 24, 19 **55** Put to producing **January 21,** 19 **55**

The production for the first 24 hours was **350** barrels of fluid of which **99.8** % was oil; _____ % emulsion; _____ % water; and **0.2** % sediment. Gravity, °Bé. **47**

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

Rock pressure, lbs. per sq. in. **5000 by DST**

EMPLOYEES

W. H. Rodgers Driller **J. R. Mathews** Driller
_____ Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	310	310	Surface Sand
310	2310	2000	Red bed
2310	3570	1260	Anhydrite & Salt
3570	4960	1390	Sand, Anhydrite & red shale
4960	5435	475	Dolomite, red shale & anhydrite
5435	6380	945	Dolomite
6380	6750	370	Lime & Chert
6750	8370	1620	Dolomite, chert, sand & shale
8370	9290	920	Sand & shale
9290	11,240	1950	Dolomite, lime & chert
11,240	12,005	765	Lime & chert
12,005	12,187	182	Shale & Sand
12,187	12,288	101	Dolomite & shale
		2310	Top of Anhydrite
		3570	Top of Yates
		5435	Top of San Andres
		6750	Top of Florietta
		8370	Top of Tubb
		10,350	Top of Wolfcamp
		11,240	Top of Mississippian
		12,005	Top of Woodford
		12,187	Top of Devonian

FORMATION RECORD-Continued

TO-	TOTAL FEET	FORMATION
12,075	12,098	Rec. 6' black shale
12,098	12,113	Rec. 17' black shale
12,113	12,148	Rec. 35' shale
12,148	12,188	Rec. 40' black shale
12,188	12,216	Rec. 28' (8' black shale & 23' dolomite)
12,216	12,253	Rec. 37' dolomite
12,253	12,264	Rec. 9' dolomite
12,264	12,288	Rec. 21' dolomite

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 hauling.

- Core #1** -- 12,075-12,098, Rec. 6' black shale
- Core #2** -- 12,098-12,113, Rec. 17' black shale
- Core #3** -- 12,113-12,148, Rec. 35' shale
- Core #4** -- 12,148-12,188, Rec. 40' black shale
- Core #5** -- 12,188-12,216, Rec. 28' (8' black shale & 23' dolomite)
- Core #6** -- 12,216-12,253, Rec. 37' dolomite
- Core #7** -- 12,253-12,264, Rec. 9' dolomite
- Core #8** -- 12,264-12,288, Rec. 21' dolomite
- DST #1** -- 12,189-12,216' 2000' WB, 5/8" x 1" chokes, gas to surface in 1 hr & 8 min. flowed WB & oil to surface in 2 hrs & 24 min. Cleaned to pits 30 min. Est. 25 bbls. oil & water blanket. gauged to tank 1 hr. 43.29 BO. Reversed out 110 BO, 270' dry pipe; 110 oil, 10' oil cut mud, no water--below circulating sub. BHFP - initial - 1100#, Max. 3900# Final 3575#. BHSIP - 5000# in 20 min. Hydrostatic 5875# in, 5675# out. 3 hour and 54 min. test
- DST #2** -- 12,216'-12,253' 3 hour & 40 min. test. 2000' WB 5/8" x 1" chokes. gas to surface in 1 hour. WB to surface in 1 hr & 25 min. Turned to pits 15 min. (WB) Gauged in tank 59 BO 1st hour, 47 BO 2nd hour. Reversed out 110 BO. Rec. 360' dry pipe - 80' oil - 10' oil cut mud below circ. sub. BHFP - initial 1650# - Max. 3975# - Final 3675# BHSIP - 4375# in 20 min. Hydrostatic - 5975# in - 5850# out.
- DST #3** -- 12,253'-12,288' - 6 hour test, 2000' WB, 5/8" x 1" chokes, Gas to surface in 3 hrs & 18 min. WB to surface in 3 hrs & 28 min. Cleaned to pits 1 hr (WB & oil) Flowed to tanks 1 1/2 hrs. (51.69 BO) or 31.4 BOPH. Rev. out 51 BO - 50 Bbls. sulphur water Rec. 450' sulphur water below circ. sub. BHFP - initial 1625#, Max. 4525#, final 4025, BHSIP - 4800#/30 min. Hydro. 6200# in - 5900# out