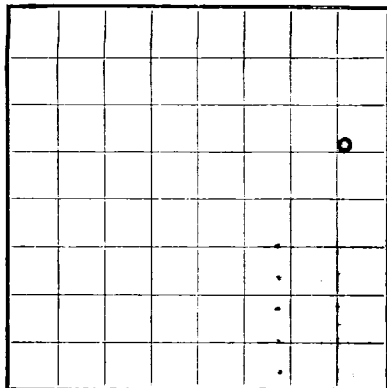


128784(9)

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 0284784 (9)
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Great Western Drilling Company Address Box 1659, Midland, Texas
Lessor or Tract Grayburg Deep Unit Field Undesignated State New Mexico
Well No. 2 Sec. 13 T. 17-S R. 29-E Meridian NMPM County Eddy
Location 1980 ft. N of N Line and 735 ft. E of E Line of Section 13 Elevation 3634
(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 M. B. Wilcox

Date May 26, 1955 Title Chief Petroleum Engineer

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

Commenced drilling January 27, 1955 Finished drilling May 8, 1955

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

No. 1, from 10,901 to 10,945 (G) 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		Purpose
							From—	To—	
13 3/8	48	8	National	308	Belled	—	—	—	Surface
9 5/8	26	8	National	2733	Float	0	—	—	Intermediate
5 1/2	20	8	National	1786	—	—	—	—	—
5 1/2	17	8	National	9394	Float	—	10,885	10,955	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	321	300	Pump & Plug	—	—
9 5/8	2742	1500	Pump & Plug	—	—
5 1/2	11,191	375	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
	None					

TOOLS USED

Rotary tools were used from 0 feet to 11,402 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

J. F. Lake, Driller P. D. Gladden, Driller
S. W. Woods, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	400	400	Galiche, red beds, surface sands, anhy.
400	850	450	Anhydrite, some sand.
850	1125	675	Mostly salt, some anhy.
1125	2010	1335	Mostly anhy., some dol. sand.
2010	2035	25	Queen Sand
2035	2310	275	Mostly anhy, some dol. sand.
2310	6210	3900	Mostly dol., some anhy. ch, sand.
6210	7470	1260	Mostly dol, some green shale.
7470	8770	1300	Mostly lime & green shale.
8770	8830	60	Dol., lime, green shale.
8830	9050	220	Lime, green shale, & gray black shale.
9050	9075	25	Black shale.
9075	9250	175	Lime & black shale.
9250	9290	40	Dolomite.
9290	9350	60	Lime
9350	9500	150	Mostly dolomite, some lime

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
9500	9850	350	Mostly lime, some shale
9850	10,200	350	Mostly shale, some lime
10,200	10,900	700	Mostly lime, some shale, sand, chert
10,955	11,010	55	Sand, some shale
11,010	11,016	6	Shale
11,016	11,025	9	Sand, some shale
11,025	11,031	6	Shale, some sand
11,031	11,038	7	Black shale
11,038	11,043	5	Sand, some shale
11,043	11,051	8	Shale, some sand
11,051	11,085	30	Brown lime, some shale
11,085	11,090	5	Mostly shale, some lime
11,090	11,091	1	Lime
11,091	11,340	249	Mostly shale some lime
11,340	11,402	62	Lime, some shale.
1346			T. 7 Rivers
1960			T. Queen
2670			T. San Andres
4080			T. Glorieta
4984			T. Gila
5620			T. Hobbs
6282			T. Abo
9234			T. Penn (Clasco)
9660			T. Canyon
10,153			T. Strawn
10,623			T. Atoka
11,117			T. Morrow
11,343			T. Miss. (Phantom)

FORMATION TOPS

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 "detached" or left in the well, give its size and location. If the well has been dynamited, give date, 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.

The Granger Deep Unit No. 2 was drilled and casing cement in accordance with data submitted herewith. The 5 1/2" production casing was cemented on May 10, 1955. On May 13, 1955 mud was displaced w/water and the water displaced w/oil. The casing was then performed in the following intervals:

No. 1 from 10,888' - 10,892' 6 shots/ft.
10,801' - 10,911' 8 shots/ft.
10,950' - 10,940' 8 shots/ft.
10,948' - 10,952' 8 shots/ft.

Preparations were made to fracture the well. 5000 psi was applied to the casing and the surface. The injection rate at this pressure was approximately 0.75 bbls/min. an injection rate insufficient for sand fracturing.

On May 15, 1955 tubing was run into the well and the perforations were washed with mud acid. After swabbing out the load oil and the spent mud acid, the well did not respond.

On May 17, 1955 the interval 10,885' - 10,955' was re-perforated w/6 shots/foot. On May 18, tubing was run and a packer was set at 10,870'. 3000 gallons of acid were injected at the rate of 1.7 bbls/min. at 5300 psi. The load oil and acid water were swabbed back but the well did not respond.

The following data are enclosed and made a part of this report.

1. Copies of four (4) drill stem tests.
2. Core analysis
3. Electrical Log
4. Micro Log
5. Gamma Ray - Neutron Log