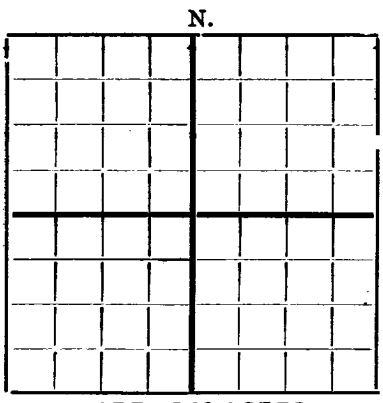
FORM SG 108



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES
Socorro, New Mexico

WELL RECORD

Mail to State Geologist, Socorro, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company Cranfill-Reynolds Address Box 2127, Dallas, Texas.

Send correspondence to Do Address Do

Zattu - Cushing Well No. 1 in NW 1/4 of Sec. 23, T. 24,

R. 36, N. M. P. M., Jal Oil Field Lea County.

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is , Address

The lessee is , Address

If not state or patented land, give status

Drilling commenced September 21 1929. Drilling was completed November 24 1929.

Name of drilling contractor Cranfill-Reynolds, Address

Elevation above sea level at top of casing feet.

The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from to 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	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
20"		8	Std.	192'1"		22' 9"			
15½"				610'		610'			
13-3/8				747'3"		747'3"			
10"				1267'					
8¼"				2824'6"					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

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 Spudder feet to All Way feet, and from feet to feet

PRODUCTION

Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.

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

Rock pressure, lbs. per sq. in.

EMPLOYES

, Driller , Driller

, Driller , Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 16 day of Dec, 1929

Tom M. Payne
Notary Public

My commission expires May 21 1931

Name G H Pamplin

Position accountant

Representing Cranfill-Reynolds Co
Company or Operator

FORMATION RECORD

From	to	Thickness in Feet	Formation	
0	40	40	Caliche	
40	60	20	Sand	
60	95	35	Quick Sand	
95	182	87	Sand	Water 170' to 180'
182	190	8	Shale	
190	195	5	Gravel	Set 192' 1" 20" @ 195'
195	205	10	Blue Shale	
205	215	10	Red Bed	
215	250	35	Blue Shale	
250	260	10	Red Bed	
260	270	10	Lime	
270	320	50	Red Bed	
320	340	20	Brown Shale	
340	415	75'	Red Bed	
415	425	10'	Lime	
425	445	20	Red Bed	
445	495	50	Sand	
495	560	65	Hard Sand	
560	585	25	Soft Sand	
585	600	15	Hard Sand	
600	605	5	Red Bed	
605	610	5	Diff. in Meas.	Set 610' 15⅛"
610	615	5	Red Bed	
615	695	80	Sand	Water 10 Bailers PH
695	700	5	Red Bed	
700	715	15	Broken Lime	
715	855	145	Red Bed	
855	875	20	Hard Red Sand	
875	1120	245	Red Bed	
1120	1130	10	Sand	
1130	1235	105	Red Bed	
1235	1260	25	Anhydrite	
1260	1280	20	Salt and Anhydrite	
1280	1300	20	Salt	
1300	1310	10	Anhydrite	
1310	1335	25	Lime and ANHYD.	
1335	1380	45	Anhydrite	
1380	1435	55	Salt	
1435	1440	5	Anhydrite	
1440	1450	10	Anhydrite and Potash	
1450	1485	35	Anhydrite and Lime	
1485	1490	5	Anhydrite	
1490	1500	5	Red Bed	
1500	1505	5	Salt	
1505	1550	45	Anhydrite	
1550	1580	30	Anhydrite and Red Bed	
1580	1610	30	Red Bed	
1610	1630	20	Hard Anhydrite	
1630	1650	20	Salt and Potash	
1650	1695	45	Salt	
1695	1750	55	Hard Anhydrite	
1750	1785	35	Salt	
1785	1820	35	Salt and Potash	
1820	1840	20	Potash and Anhydrite	
1840	1875	35	Salt	
1875	1890	15	Salt and Potash	
1890	1895	5	Anhydrite	
1895	1905	10	Salt and Potash	
1905	1945	40	Salt	
1945	1955	10	Red Bed	
1955	1960	5	Salt	
1960	1965	5	Anhydrite	
1965	2105	140	Salt and Potash	
2105	2110	5	Salt	
2110	2125	15	Anhydrite	
2125	2150	25	Salt	
2150	2170	20	Anhydrite	
2170	2360	190	Salt	
2360	2395	35	Salt and Potash	
2395	2455	60	Anhydrite	
2455	2460	5	Salt and Anhydrite	
2460	2505	45	Anhydrite	
2505	2515	10	Salt	
2515	2545	30	Anhydrite	
2545	2575	30	Salt	
2575	2585	10	Anhydrite and Salt	
2585	2595	10	Salt	
2595	2610	15	Anhydrite and Salt	
2610	2630	20	Salt	
2630	2650	20	Anhydrite	
2650	2750	100	Salt	
2750	2795	45	Anhydrite	
2795	2800	5	Broken Lime	
2800	2875	75	Lime	
2875	2890	15	Lime and Anhydrite	
2890	2960	70	Lime	
2960	2970	10	Sandy Lime	
2970	2980	10	Broken Lime	
2990	2995	5	Hard Lime	
2995	3015	20	Lime and Sandy Shale	
3015	3050	35	Sandy Lime	
3050	3060	10	Grey Lime	Increase Gas
3060	3075	15	Lime	Increase Gas
3075	3085	10	Lime, Hard	Reduced Hole to 6-5/8
3085	3100	15	Broken Lime	
3100	3120	20	Sandy Lime	
3120	3155	35	Hard Lime	
3155	3180	25	Lime	
3180	3195	15	Broken Sandy Lime	
3195	3200	5	Hard Lime	
3200	3205	5	Lime	Gas Increase to 35 Million Cu. Ft. Later inc. to 45 Million