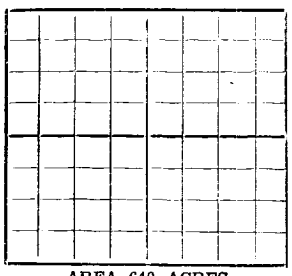
Form SG 108

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

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

Company TIDAL OIL COMPANY Address Box 1087, Hobbs, N.M.

Send correspondence to W. Schneider Address W T Hamner Bldg. Ft. Worth, Texas

M.L. Grimes Well No. 5 in NE¼ of Sec. 29, T. 18-S,

R. 33-E, N. M. P. M., Hobbs Oil Field Lea County.

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

If patented land the owner is M. L. Grimes Address 1st Natl. Bank Seminole, Texas

The lessee is TIDAL OIL COMPANY Address Ft. Worth, Texas

If not state or patented land, give status .....

Drilling commenced 11-16-30 19..... Drilling was completed 12-30-30 19.....

Name of drilling contractor Clamplin & Bass, Address Holdenville, Okla.

Elevation above sea level at top of casing 3647 approx feet.

The information given is to be kept confidential until ..... 19.....

OIL SANDS OR ZONES

No. 1, from 3215 to 3225 No. 4, from ..... to .....

No. 2, from 4000 to 4050 No. 5, from ..... to .....

No. 3, from 4120 to 4196 No. 6, from ..... to .....

IMPORTANT WATER SANDS

No. 1, from 126 to 155 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
12½"	50#	10	LW	214'4"	TP				Surface Pipe
9-5/8"	36#	8	Smls St	2715'10"	Bkr. Flt.				Water Shut Off
	(Shoe and 4 bottom joints are spot welded)								
7" OD	24	10	N.I.	3911'4"	Bkr Flt				Oil String
	(Shoe and 2 bottom joints are spot welded)								
3"	9.3#	10	N.I.	4204'9"					Tubing

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12½"	228'	250-sax Cement	Halliburton	10#	Hole Full
9-5/8"	2735'	600 " "	"	"	" "
7" OD	3880'	400 " "	"	"	" "

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 228' **feet to** 4200' **feet, and from** ..... **feet to** ..... **feet**

Cable tools were used from Sdder 20' **feet to** 228' **feet, and from** ..... **feet to** ..... **feet**

PRODUCTION

Proration will allow this well to be put to producing

Put to producing Jan. 16, 19 31.

The production of the first 24 hours was 7517 barrels of fluid of which 99.4 % was oil; .6 % emulsion; ..... % water; and ..... % sediment. Gravity, Be 33.8 at 38

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

Rock pressure, lbs. per sq. in. .....

EMPLOYES

J.E. Self, Driller Carl Johnson, Driller

U.S. King, 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 7 day of January, 1931.

Mary Frances Beal
Notary Public.

My commission expires June 10 1934.

Name T. P. Wade

Postion District Foreman.

Representing Tidal Oil Company.
Company or Operator

FROM	TO	THICKNESS IN FEET	FORMATION
0	20		Surface Caliche (In Cellar)
20	35		Granite
35	60		Caliche, Hard
60	75		Sand
75	80		Lime Shell
80	85		Sand
85	90		Lime, Hard
90	110		Sand, Hard
110	120		Sand
120	126		Lime Shell, hard and flinty
126	155		Sand
155	160		Lime, Hard
160	165		Sand
165	170		Lime, hard
170	183		Sand
183	188		Lime, flinty
188	190		Sand
190	210		Red Bed
210	220		Sandy Shale
220	228		Yellow Shale - Cemented 12½" w/ 250-sax.
228	1480		Red Bed
1480	1530		Red Bed and Anhydrite
1530	1580		Red Bed
1580	1700		Anhydrite
1700	1705		Potash - Top of Salt at 1705'
1705	2490		Salt
2490	2615		Salt and Anhydrite
2615	2670		Anhydrite and Red Bed.
2670	2965		Anhydrite - Set 9-5/8" csg. at 2735' w/ 600 sax.
2965	3050		Anhydrite and Red Bed
3050	3215		Anhydrite
3215	3225		Sand - Light show of oil.
3225	3772		Anhydrite
3772	3780		Sand, soft brown
3780	3850		Anhydrite
3850	4000		Hard Lime - Set 7" Csg. at 3850' w/ 400-sax.
4000	4050		Lime, broken brown - 1st show of oil at 4000'
4050	4070		Lime, hard - lost some returns at 4050'
4070	4120		Gray Lime
4120	4185		Lime, Brown
4185	4196		Lime, broken brown
4196	4200		Lime, Black
4200	----		Total Depth.