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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 fol-

lowing it with (?). Submit in duplicate.

Company Tidal Oil Company Address Hobbs, New Mexico

Send correspondence to P. R. Wade Address Hobbs, New Mexico

William D. Grimes Well No. 1 in SE 1/4 of Sec. 29, T. 18 S

R. 38 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 William D. Grimes Address 1st. State Bank Bldg. Seminole, Texas.

The lessee is Tidal Oil Company Address Fort Worth, Texas.

If not state or patented land, give status.

Drilling commenced April 4, 1930 Drilling was completed Aug. 4, 1930

Name of drilling contractor Champlin & Bass Inc. Address Moldenville, Okla.

Elevation above sea level at top of casing 3650 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3123 to 3135 No. 4, from 3925 to 3935
No. 2, from 3151 to 3171 No. 5, from 3985 to 3995
No. 3, from 3223 to 3228 No. 6, from 4040 to 4058

IMPORTANT WATER SANDS

No. 1, from 96 to 104 No. 3, from 4078 to 4090
No. 2, from 104 to 104 No. 4, from 4095 to 4100
No. 3, from 4100 to 4110
No. 4, from 4110 to 4120
No. 5, from 4120 to 4150

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT*	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM TO	PURPOSE
12 1/2"	50#	8	Steel	236'	none	none	none	Water shutoff
9-5/8"	36#	8	Steel	2712' Bkr. Flt.			none	Salt shutoff
6-5/8"	24#	10	Steel	3826' Bkr. Flt.			none	Oil string

(* Casing joint) (9-5/8" and 6-5/8" casing is seamless steel)

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2"	236'	200-sks.	Haliburton	10#	Hole Full
9-5/8"	2712'	600-sks	Haliburton	12#	Hole Full
6-5/8"	3826'	300-sks.	Haliburton	17#	Hole Full

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
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TOOLS USED

Rotary tools were used from 0 feet to 4150 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing July 7, 1930.

The production of the first 24 hours was see below barrels of fluid of which % was oil; emulsion; % water; and % sediment. Gravity, Be. 37.1 at 70

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

Rock pressure, lbs. per sq. in.

EMPLOYES

Carl Johnson, Driller

V. S. King, 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 25

day of July, 1930

Mary Frances Beal Notary Public

My commission expires June 10 1931

Finished drilling 7-5-30

Brought in: 9 o'clock 7-7-30

First 15 min. gauge thru tubing: 75-bbl.

First 15 min. csg. and tubing: 205-bbls.

2nd 15 min. csg. and tubing: 249-bbl.

Closed in pressure 5 PM 7-7-30. Casing 1150# - Tubing 425#

Initial production showed less than 2% water and mud.

Name J. R. Wade

Position District Foreman

Representing Tidal Oil Company.

Company or Operator

From	to	Thickness in Feet	Formation
0	236		surface
236	1250		Red Bed
1250	1286		Gyp and Lime
1286	1300		Red Bed
1300	1325		Broken Lime
1325	1360		Lime & Red Rock
1360	1400		Red bed
1400	1435		Red bed & Lime shells
1435	1480		Lime & shale
1480	1490		Gyp
1490	1500		Sand
1500	1505		Shale
1505	1540		Gyp
1540	1665		Anhydrite
1665	1695		Red Rock & Anhydrite
1695	1700		Potash
1700	2350		Salt
2350	2360		Anhydrite
2360	2450		Salt
2450	2465		Lime & Anhydrite
2465	2535		Salt & anhydrite
2535	2550		Anhydrite
2550	2565		Red Bed
2565	2585		Lime & Sand
2585	2700		Anhydrite
2700	2705		Red bed
2705	2792		Anhydrite
2792	2836		Hard Gas Sand Broken
2836	2895		Sand & Anhydrite
2895	2925		Brown Sand Broken
2925	2990		Shale
2990	3245		Anhydrite (Show Oil)
3245	3260		Hard Sandy Lime
3260	3435		Anhydrite
3435	3465		Broken Lime
3465	3655		Anhydrite
3655	3670		Lime
3670	3675		Anhydrite
3675	3677		Sand
3677	3693		Lime
3693	3730		Anhydrite
3730	3818		Lime
3818	4160		Hard & Soft Lime
			Note: best pay: 4028 to 4095 4120 to 4130 4140 to 4150 T.D. 4160
3870	3880		Hard brown Lime
3880	3900		Lime and anhydrite
3900	3925		Hard White Lime
3925	3935		Brown Lime (Oil and Gas)
3935	3945		Hard brown lime and hard shale
3945	3955		White lime, brown lime and little anhydrite
3955	3975		brown lime, white lime and anhydrite
3975	3985		Hard Lime (OIL)
3985	3995		Brown Lime OIL AND GAS
3995	4002		Very hard white lime
4002	4006		White Lime medium hard
4006	4028		White Lime, very hard
4028	4040		Porous white lime - very fairly soft (LOST RETURNS TOOK 45 MINUTE WITH PUMP WIDE OPEN TO GET SMALL THICKEN OF RETURNS BACK) After recovering returns well tried to blow out and was necessary to close blowout preventor and pump hard to hold.
4040	4068		Soft brown Lime (OIL & GAS)
4068	4078		Brown Lime medium hard but not core
4078	4090		Brown Lime (OIL & GAS)
4090	4095		Porous whiteline - fairly soft hard
4095	4100		Brown Lime - hard. (OIL & GAS)
4100	4110		Brown Lime - hard (OIL & GAS)
4110	4120		Brown Lime - hard. (OIL & GAS)
4120	4130		Dark Brown Lime - medium hard. LOST RETURNS
4130	4135		Dark Brown Lime - medium hard
4135	4140		Brown Lime - fairly soft.
4140	4150		Brown Lime - fairly soft. LOST RETURNS.
4150	4160		Hard Brown Lime - TOTAL DEPTH. (OIL & GAS)
			Cored from 3975 to 4095. Drilled with rock bit 4095 to 4150. Cored from 4150 to 4160. Finished Drilling 7-5-30. Brought in 9 o'clock 7-7-30. First 15 min. gauge through tubing: 75-barrels First 15 min. csg. & Tubing: 205-bbls. 2nd 15 min. csg. & Tubing: 249-bbls. Closed in pressure 5 PM. 7-7-30. Casing - 1150# Tubing 425# Production gauges above was taken within two hours after well was first brought in. Initial production showed less than 2" water and mud. Pressure on casing 5 AM 7-8-30. 1300# Conservative estimate of mud and waterlost at 8 30 hours drilling and coring: 5,000 barrels.