

N.

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 duplicates.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Company Humble Oil & Refining Address Houston, Texas
Send correspondence to Mr. R. C. Barbour Address McCombs, Texas
N. M. State B-4 Well No. 4 in NE 1/4 of Sec. 20, T. 21 So.
36 E, N. M. P. M. San, New Mexico Oil Field Lee County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is _____, Address _____
The lessee is Humble Oil & Refg. Co. Address Houston, Texas
If not state or patented land, give status State Land
Drilling commenced 6/6, 19 35 Not Comp. completed 7/21, 19 35
Name of drilling contractor Drilled by Co. Rut. Rig 704 Address Houston, Texas
Elevation above sea level at top of casing 3435'± feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 3330' to 3335' 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 & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>1 1/2"</u>	<u>30 1/2</u>	<u>8</u>	<u>SS</u>	<u>60'</u>	<u>Reg. Pat.</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>3-5/8"</u>	<u>30 1/2</u>	<u>8</u>	<u>SS</u>	<u>3000'</u>	<u>Reg.</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>5-1/2"</u>	<u>17 1/2</u>	<u>10</u>	<u>SS</u>	<u>3000'</u>	<u>Reg.</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>---</u>

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>1 1/2"</u>	<u>31'</u>	<u>100</u>	<u>Ballston</u>	<u>9.0</u>	<u>20 Tons</u>
<u>3-5/8"</u>	<u>3045'</u>	<u>300</u>	<u>"</u>	<u>11.0</u>	<u>25 "</u>
<u>5-1/2"</u>	<u>3004'</u>	<u>300</u>	<u>"</u>	<u>10.7</u>	<u>30 "</u>

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 _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing 8/4, 19 35
The production of the first 24 hours 3/10 barrels of fluid of which 99.5 % 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. _____

EMPLOYEES

E. Clayton D. Bauman
F. J. Ober _____, Driller W. A. Ward _____, 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 8th Name R. C. Barbour
day of August, 19 35 Position Division Sup't
Representing Humble Oil & Refining Company
Upton County Notary Public. _____ Company or Operator.
My commission expires June 1, 1937

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	81	81	Sand
81	106	25	Sand and caliche streaks
106	318	209	Sand and shells, and clay
318	348	30	Sand and shells
348	1500	1154	Red beds and shells
1500	1500	0	Anhydrite and red beds
1500	1641	141	Salt and streaks anhydrite
1641	1790	149	Salt and anhydrite
1790	1944	154	Salt
1944	2098	154	Salt and anhydrite
2098	2709	17	Anhydrite
2709	2730	21	Salt
2730	2732	2	Anhydrite
2732	2801	69	Salt
2801	2850	49	Salt and anhydrite
2850	2876	26	Anhydrite
2876	2880	4	Salt and anhydrite and streaks brown lime
2880	3035	155	Anhydrite
3035	3037	2	Sand
3037	3080	43	Anhydrite
3080	3118	38	Anhydrite and streaks sand
3118	3200	82	Anhydrite
3200	3207	7	Gray lime
3207	3225	18	Brown lime
3225	3407	182	Gray lime
3407	3500	93	Brown lime
3500	3500	0	Lime
3500	3500	0	Sandy lime
3500	3514	14	Lime
3514	3515	1	Gray lime - Total Depth

REMARKS

Treated well with Caustic Soda solution on date of July 14th, 1935 in an effort to plug off gas. Solution pumped into formation under 2000/ pump pressure. Allowed solution to set until 2:30 P. M. July 16th. Opened well head connections. Well showed little pressure.

Treated well with 2,000 gallons of Dowell XI Acid on date of July 18th, 1935. Job completed at 11:30 P. M. Acid went into formation under vacuum. Opened well at 1:30 A. M. 7/20/35. 5 hour test thru 2 1/2" tubing, 1 1/4" choke, showed at rate of 8-1/2 barrels of oil per hour. Gas-oil ratio 6000-1. Tubing pressure 1150/.

Treated well with 250 gallons of Dowell XI Acid on date of 7/26/35 in an effort to fr. formation of mud. Acid set from 6:00 PM 7/26 to 6:00 A.M. 7/27/35. Allowed well to clean itself into pits. Tubing pressure 425, casing pressure 6. showed considerable gas. No test.

4" Robinson Spiral Curves Factor was set at 2207', 25' off bottom.