

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Gulf Oil Corporation

Maud Saunders

Company or Operator

Lease

Well No. 2 in SW SW of Sec. 34, T. 14-S

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

Well is 660 feet North of the East line and 660 feet East of the West line of Sec. 34-14S-33E

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

If patented land the owner is Mrs. Maud Saunders Smith, Address Midland, Texas

If Government land the permittee is, Address

The Lessee is Gulf Oil Corporation - Fort Worth Prod. Div., Address Box 1290, Fort Worth, Tex.

Drilling commenced March 23, 1952 19 Drilling was completed June 16, 1952 19

Name of drilling contractor Loffland Brothers Drilling Co., Address

Elevation above sea level at top of casing 4209 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 9872' to 9969' No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	TO	PURPOSE
13-3/8"	54.50#	8 RT	SS	300'					
9-5/8"	36 & 40#	8 RT	SS	4217.5'					
7"	23-26-35#	8 RT	SS	9990'			9886'	9870'	Prod.
							9969'	9959'	Prod.

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	312'	350	HOWCO		
12-1/4"	9-5/8"	4229'	1700	HOWCO		
8-3/4"	7"	9999'	300	HOWCO		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Acid 15% NE	2000 gal.	6-14-52	9886-9844'	

Results of shooting or chemical treatment Flowed 354 bbls oil and 102 bbls water thru 2-3/8" tubing - 1/2" choke in 24 hours.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0' feet to 10,000' PSTD 9932' feet, and from feet to feet.

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

PRODUCTION

Put to producing June 16, 1952 19

The production of the first 24 hours was 376 barrels of fluid of which 71.3 % was oil; 0 %

emulsion; 28.7 % water; and 0 % sediment. Gravity, Be. 41.1

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Loffland Brothers Drilling Co., Driller Driller

R. S. Runyon Gulf Oil Corp., Driller Driller

Drilling Foreman

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.

Hobbs, New Mexico June 25, 1952

Place

Date

Name C. D. Borland

Position ASST. Area Prod. Supt.

Representing Gulf Oil Corporation

Company or Operator.

Address Box 2167, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	1494'		Red Bed
	1530		Red Bed and Shale
	1595		Red Bed
	1709		Red Bed and Anhydrite
	2157		Red Bed
	2251		Red Bed, Anhydrite and Salt
	2602		Anhydrite and Salt
	2775		Red Bed, Salt and Anhydrite
	2801		Red Bed and Anhydrite
	2922		Red Bed and Shale
	3014		Salt, Anhydrite and Shale
	3267		Salt and Anhydrite
	4290		Anhydrite and Gyp
	4333		Lime
	4393		Lime and Anhydrite
	4497		Lime
	4545		Lime and Anhydrite
	7677		Lime
	7733		Lime and Shale
	7810		Lime
	7910		Lime with Shale Streaks
	8109		Lime and Shale
	8204		Lime
	8294		Lime and Sand
	8333		Lime and Shale
	8506		Sandy Lime and Shale
	8580		Lime and Shale
	8875		Lime
	8949		Sandy Lime and Shale
	8956		Lime and Shale
	9009		Sandy Lime and Shale
	9082		Lime
	9132		Sharp Sandy Lime
	9306		Lime
	9865		Lime and Shale
	10,000'	Total Depth	Lime

DEVIATION - TOTAL SURVEYS

DEPTH	DEP. OFF	DEPTH	DEP. OFF
300'	1/2	6140'	1-1/4
650'	1/4	6245	1-1/4
920	1/2	6340	1-1/2
1406	1/2	6470	1
1740	1/2	6610	1-1/4
1995	1/2	6700	1-1/2
2300	1/2	6819	1-1/2
2800	1-1/4	6955	1-1/4
2908	1/2	7090	1-1/2
3195	1	7266	1-1/4
3320	1/2	7335	1-1/4
3760	1/4	7577	3/4
3970	1/2	7733	3/4
4220	1/2	7900	3/4
4450	1/4	8100	1/4
4650	1/4	8200	1/2
4760	1/2	8296	1/2
4900	1/4	8500	3/4
5110	1/2	8500	1/2
5260	1-1/4	8815	1/2
5403	1-1/4	8956	1/4
5510	1-1/4	9010	1/2
5730	1	9207	1/2
5820	1	9290	0
5920	1-1/4	9553	0
6000	1-1/4	9660	0

DRILL STEM TEST

No. 1, 5-24-52 - 2 Hour 30 Minute Halliburton Drill Stem Test 9873-9920' with 5/8" choke 9835' - Used 2 packers 9865' & 9873' - Bombs at 9841' & 9918' - Tool opened 2:15 AM 5-24-52 - Gas to surface 6 min. 311,000 cu ft. throughout test - Mud 1 hr. 10 min, oil & water 1 hr. 15 min. then flowed 15 bbls fluid 1 hr. 15 min. - oil, BS, & sulphur water - 60% oil - 31.0 gravity oil cut with BSW - Reversed out 31 bbls fluid, 40% BSW - Hydrostatic Pressure 4695# - Flowing Pressure 520 to 1900 # - 15 min. BHP 2945#.

No. 2, 5-25-52 - 2 hr. & 30 min. Halliburton Drill Stem Test 9889-9920' with 5/8" choke at 9852' - Used 2 packers at 9882 & 9889' - Bombs at 9857' & 9918' - Tool opened 5:15 AM 5-25-52 - Gas to surface 8 min. too small to measure & decreased to very weak blow at end of test - Reversed out 84 bbls fluid, 10 bbls oil & gas out mud - 10% oil & 74 bbls sulphur water - Hydrostatic Pressure 4800# - Flowing Pressure 200 to 1650 # - 15 Minute BHP 3000#.

No. 3, 5-26-52 - 2 hr. 50 min Halliburton Drill Stem Test 9915-9950 with 5/8" choke at 9883' - Used 2 packers at 9907' & 9915' - Bombs at 9909' & 9948' - Tool opened 10: PM 5-26-52 - Gas to surface 4 min. (24 hr rate 382,600 cu ft.) throughout test - Mud to surface 47 min., oil & water 50 min. - Flowed 10 bbls 38.5 gravity oil & 20 bbls sulphur water 2 hrs - Reversed out 28 bbls oil & 53 bbls sulphur water - Hydrostatic Pressure 4765# - Flowing Pressure 990-2810# - 15 min. BHP 4545#.

No. 4, 5-28-52 - 3 hr Halliburton Drill Stem Test 9950-10,000' with 5/8" choke at 9917' - Used 2 packers at 9941 & 9950' - Bombs at 9922' & 9998' - Tool opened at 3:30 PM on 5-28-52 - Gas to surface 8 min, 547,000 cu ft. throughout test - Mud 50 min. oil 1 hr & 5 min. and flowed 33 bbls 42.0 gravity oil 1 hr 55 min. - Reversed out 2 bbls mud, out 50% oil - 15 bbls oil, 2 bbls sulphur water - Hydrostatic Pressure 4700-4750# - Flowing Pressure 310-1350# - 15 min. BHP 2900#.