

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

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

Sun Oil Company

Joseph A. Akens

Company or Operator

4

SW/4

3 Lease

21-3

Well No. 4

in

of Sec.

T.

36-E

Lunice

Lea

R. N. M. P. M., Field, County.

Well is 660 feet south of the North line and 660 feet west of the East line of SW/4 of Sec. 3

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

If patented land the owner is Joseph A. Akens Address Robert Lee, Texas.

If Government land the permittee is Address

The Lessee is Sun Oil Company Address Dallas, Texas.

Drilling commenced October 1, 1936 Drilling was completed Nov. 10, 1936.

Name of drilling contractor M. J. Delaney, Inc. Address Dallas, Texas.

Elevation above sea level at top of casing 3569.5' feet.

The information given is to be kept confidential until XX 19

OIL SANDS OR ZONES

No. 1, from 3807 to 3860 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"	40.5#	8	LW	285'8"	XX			Surface
9-5/8"	36#	8	SS	2613'10"	Baker			Med. String
7"	24#	10	SS	3781'4"	"			Oil String.
2-1/2"	6.5#	10	SS	3826'	XX			Tubing.

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"	13"	282	125	Halliburton		
12 1/2"	9-5/8"	2899	400	"		
8-3/4"	7"	3767	200	"		

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	4000 Gal.	11-8-36	3767/3860	To Bottom
		"	"	11-14-36	"	"

Results of shooting or chemical treatment After first treatment well swabbed 16 bbls. bbls. per hr. After second treatment well ~~222~~ flowed 240 bbls. in 4 hrs., 13% ^{acid} water.

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 3860 feet, and from feet to feet

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

PRODUCTION

Put to producing November 16, 1936. (Tested 11-15-36)

The production of the first ~~four~~ ^{four} hours was 240 barrels of fluid of which 87 % was oil; %

emulsion; 13 % 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. R. Bryson, Driller W. E. Sample, Driller
Cecil Watson, Driller E. G. Frazier, 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

Dallas, Texas. 11-15-36

day of November, 1936

Name John A. Ritter

Position Prod. Supt.

Representing Sun Oil Company

Notary Public

Dallas, County, Texas.

Company or Operator.

My Commission expires

Address Dallas, Texas.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	45	45	Caliche & shells
45	260	215	Sand & shells
260	292	32	Red bed & shells
292	440	148	Red bed
440	653	213	Red rock & shells
653	805	152	Red bed & red rock
805	915	110	Red rock & shale
915	1058	123	Red rock & shells
1058	1132	94	Red bed, red rock & shells
1132	1220	88	Red rock & shale
1220	1289	69	Red rock
1289	1300	11	Red rock & shells
1300	1310	10	Anhydrite & shale
1310	1408	98	Anhydrite
1408	1430	82	Anhydrite & shell
1430	1600	170	Anhydrite & salt
1600	1620	20	Anhydrite
1620	1647	27	Salt & anhydrite
1647	1664	17	Anhydrite
1664	1740	76	Anhydrite & salt
1740	2004	264	Salt & anhydrite w/strks. anhy.
2004	2205	201	Salt & anhydrite
2205	2325	120	Salt, red bed & anhydrite
2325	2405	80	Salt & anhydrite
2405	2455	60	Salt
2455	2475	10	Red rock & gypsum
2475	2485	10	Salt & red rock
2485	2500	15	Broken anhydrite
2500	2750	250	Anhydrite
2750	2896	146	Anhydrite & lime
2896	2937	41	Lime & anhydrite
2937	2940	3	Sand
2940	2942	2	Anhydrite
2942	3201	259	Lime & anhydrite
3201	3229	28	Lime
3229	3244	15	Sand & lime shells
3244	3257	13	Lime
3257	3263	6	Gas sand
3263	3356	93	Lime
3356	3388	32	Sandy lime & lime
3388	3424	36	Lime
3424	3436	12	Sand
3436	3452	16	Lime
3452	3492	40	Lime & sandy lime
3492	3595	103	Lime
3595	3614	19	Gray lime & gypsum
3614	3628	14	Lime
3628	3613	5	Soft sand
3613	3622	9	Lime
3622	3626	4	Sand
3626	3650	24	Lime
3650	3652	2	Sandy lime
3652	3660	8	Lime

3660 TOTAL DEPTH