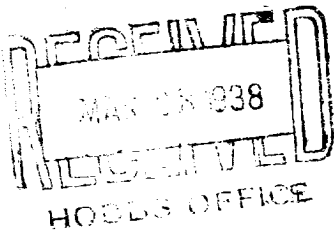


N.


AREA 640 ACRES  
LOCATE WELL CORRECTLY

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.

**Sun Oil Company** **I. R. Stuart**  
Company or Operator Lease  
Well No. **4** in **NE/4** of Sec. **15** T. **25S**  
R. **37E**, N. M. P. M., **Langlie** Field, **Lea** County.  
Well is **660** feet south of the **N** North line and **660** feet west of the East line of **NE/4 of Sec. 15**  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is **I. R. Stuart** Address **Jal, New Mexico.**  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is **Sun Oil Company** Address **Dallas, Texas.**  
Drilling commenced **Feb. 16,** 19 **38** Drilling was completed **Mar. 15** 19 **38**  
Name of drilling contractor **Mandeville & Thompson** Address **Chickasha, Okla.**  
Elevation above sea level at top of casing **3113.1** feet.  
The information given is to be kept confidential until **XX** 19 \_\_\_\_\_

OIL SANDS OR ZONES

No. 1, from **3252** to **3280** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **3310** to **3320** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **3330** to **3340** 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 **82** to **86** 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
10-3/4	32.75#	8	LW	329'3"	Bell Jt.			Surface
5-1/2"	17#	10	SS	3133'	Baker			Oil String
2-1/2"	6.5#	10	SS	3200'10"	x			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
13-3/4	10-3/4"	346'	150	Halliburton		
7-3/4"	5-1/2"	3150'	*348	"		
(*) 5-1/2"OD casing cemented in two stages - 160 sacks around bottom and 188 sacks through two-stage tool set at 990'.						

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
			70 CTS.	3-16-38	5310/3345	Bottom

Results of shooting or chemical treatment **Before shot, well flowed 63 bbls. in 21 hrs. natural thru csg. After shot, well flowed 128 bbls. in 15 hrs. thru csg.**

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 **3364** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable toops were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing **April 1,** 19 **38** (Tested March 16, 1938).  
The production of the first **15** hours was **128** barrels of fluid of which **100** % was oil: \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be **43**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

**B. C. Mackey** Driller **G. R. Hurd** Driller  
**W. G. Birt** 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 **26th** **Dallas, Texas.** **Mar. 26, 1938.**  
day of **March**, 19 **38** Name **John L. McGovern**  
Position **Production Superintendent**  
Representing **Sun Oil Company**  
Notary Public Company or Operator.  
My Commission expires **Dallas County, Texas.** Address **Dallas, Texas.**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	42	42	Caliche
42	64	22	Caliche
64	82	18	Shale and sand
82	86	4	Water sand
86	199	113	Red bed and red rock
199	358	159	Red rock
358	372	14	Red rock and blue shale
372	454	72	Shale & red rock
<del>454</del>	<del>536</del>		
454	536	82	Shale & red rock
536	640	104	Sandy shale and red rock
640	793	153	Red rock
793	856	63	Red rock and shale
856	899	43	Shale and red rock
899	955	56	Red rock
955	982	27	Red rock and blue shale
982	988	6	Blue shale
988	1022	<del>34</del> 34	Anhydrite
1022	1150	128	Anhydrite
1150	1220	70	Red rock and shale
1220	1300	80	Salt
1300	1348	48	Anhydrite
1348	1430	82	Red rock
1430	1462	32	Anhydrite
1462	2382	920	Salt and anhydrite
2382	2468	86	Anhydrite
2468	2500	32	Anhydrite and lime, strks. of potash.
2500	2740	240	Anhydrite and lime
2740	2765	25	Lime and gyp.
2765	2795	30	Lime
2795	2851	56	Anhydrite and lime
2851	2878	27	Lime
2878	2894	16	Sandy lime
2894	3245	351	Lime
3245	3255	10	Broken sand
3255	3279	24	Lime and shale
3279	3364	85	Broken lime and sand.