

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**The Texas Company** Box 1720, Fort Worth 1, Texas  
Company or Operator  
**H. D. McKinley** Well No. **4** in **SE 1/4** of Sec. **5**, T. **19-S**  
Lease **38-E** Hobbs Lea County.  
R. **330** N. **North** South **330** Field, **Section 5**  
Well is **330** feet **South** of the **South** line and **330** feet west of the East line of **Section 5**  
If State land the oil and gas lease is No. **-** Assignment No. **-**  
If patented land the owner is **H. D. McKinley** Address **Hobbs, New Mexico**  
If Government land the permittee is **-** Address **-**  
The Lessee is **The Texas Company** Address **Houston, Texas**  
Drilling commenced **February 29** 19 **48** Drilling was completed **March 28** 19 **48**  
Name of drilling contractor **Clay & Geckle Contr. Co.** Address **1804 Fair Bldg. Fort Worth, Texas**  
Elevation above sea level at top of casing **3613** feet. (DF)  
The information given is to be kept confidential until **-** 19 **-**

## OIL SANDS OR ZONES

No. 1, from **4070** to **4078** 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		PURPOSE
							FROM	TO	
13-3/8"	48#	SRT	Smls	110	Hallib	-	-	-	-
13-3/8"	54.50#	SRT	Smls	79					
13-3/8"	32.4#	SRT	SW	60					
5-1/2"	15.50#	SRT	Smls	4130	Baker	--	2 holes @3090'	Cement casg.	
							4070	4078	Production

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
15-1/2"	13-3/8"	259	200	Halliburton	-	-
7-7/8"	5-1/2"	4109	1334	"	-	-

## 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
<b>13-3/8"</b>						

(Neither Shot Nor Acidized)

Results of shooting or chemical treatment **--**

## 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 **4110** feet, and from **-** feet to **-** feet  
Cable tools were used from **-** feet to **-** feet, and from **-** feet to **-** feet

## PRODUCTION

Put to producing **March 29** 19 **48**  
The production of the first **164** hours was **164** barrels of fluid of which **60** % was oil; **--** % emulsion; **40** % water; and **--** % sediment. Gravity, **50.00** API **33** GOR **405 (Est)**  
If gas well, cu. ft. per 24 hours **--** Gallons gasoline per 1,000 cu. ft. of gas **--**  
Rock pressure, lbs. per sq. in. **--**

## EMPLOYEES

**W. S. Box** Driller **E. A. Hailes** Driller  
**Bill Clark** 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 **16th** **Midland, Texas** **4-16-48**  
day of **April** 19 **48** Name **M. J. Ladger** Date

**Mary Jane Ladger** Notary Public  
Position **Dist. Supt.** **The Texas Company**  
Representing **Box 1270, Midland, Texas**  
Company or Operator

My Commission expires **June 1, 1949** Address **-**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche, Sand, Shells
20	155	135	Sand, Shale, Shells
155	251	96	Red Beds, Shale, Shells
251	1423	1172	Red Beds
1423	1598	175	Red Beds & Anhydrite
1598	1685	87	Red Beds, Green Shale, & Anhydrite streaks
1685	1800	115	Anhydrite & Salt
1800	2055	255	Salt & Shells
2055	2555	500	Salt & Anhydrite Shells
2555	2650	95	Salt & Anhydrite
2650	2725	75	Anhydrite & Potash Streaks
2725	2852	127	Anhydrite
2852	2925	73	Sand & Anhydrite
2925	2950	25	Anhydrite & Gyp
2950	2960	10	Anhydrite & Lime
2960	3016	56	Anhydrite & Gyp
3016	3229	213	Anhydrite, Gyp & Lime
3229	3270	41	Anhydrite & Shells
3270	3633	363	Anhydrite, Gyp & Lime
3633	3890	257	Lime & Anhydrite
3890	4110	220	Lime
	4110	Total Depth	
	4095	P. B. T. D.	

All measurements from Rotary Table or 8-1/2' above ground.

DST #1 3155-3250' Tool open 2 hours. Recovered 270' gas  
3-15-48 cut drilling mud.

After reaching Total Depth 4110', cemented 5-1/2" casing at 4109' with 150 sacks. Temperature Survey indicated top of cement behind 5-1/2" casing at 3100'. Perforated 5-1/2" casing with 2---1/2" holes at 3090'. Cemented with 1184 sacks.

Perforations at 3090' tested with 1200# OK. Cement was drilled out to PBD 4095'.

5-1/2" casing perforated 4070-4078' with 6 shots per foot total 48 holes. 2" Tubing was run to 4095' with 5-1/2" packer at 4000'. Well swabbed 98 barrels oil & 66 barrels water in 16-1/2 hours, 3-29-48. On 17 hour swabbing test ending 3-30-48, well swabbed 74 barrels oil and 121 barrels water.

DEVIATION TESTS

266	1	2685	3
585	3/4	2760	2-1/2
1085	1	2810	2-3/4
1385	1/2	2869	2-3/4
1665	3/4	3000	2-1/4
2030	1	3325	2-1/4
2540	2	3610	1-1/2