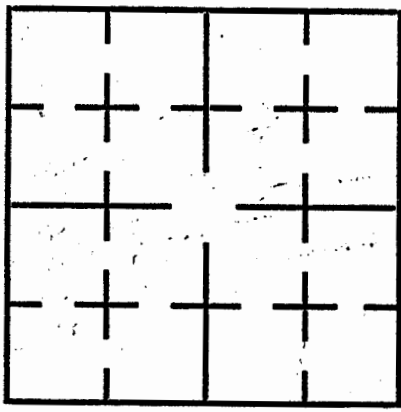


WELL LOG

25 - 25 - 26W



Location **SW NE NW** Well No. **1**
 Lessee **Marland Oil Co.** Operator _____
 Date Location Made _____ By _____
 Drilling Commenced **10-16-24** Drilling Completed **9-9-25**
 Drilling Contractor **9-9-25**
 Method of Drilling _____ Elevation **2591** Total Depth **3986**
 Commenced Producing **Dry** I. P. First 24 Hr. _____
 Gravity _____ °Baume _____ Per cent Water _____ Color _____ Water _____
 Gas From _____ ft. to _____ ft. I.O.F., M. cu. ft. _____ R.P. lbs. _____
 Gas From _____ ft. to _____ ft. I.O.F., M. cu. ft. _____ R.P. lbs. _____

Casing Record				Left in Hole		Shot Record		
Landed at	Size Ins.	Wt. per ft.	Length	From	To	Date	Quarts	Shot Between
								Ft. and Ft.
								Ft. and Ft.
								Ft. and Ft.

Remarks: (Methods used in protecting all oil and gas sands from top and bottom water.)
The log depth is 3941'
Determination by Roth

FORMATION RECORD

Dakota
 1545- Pyriteferous frosted sand
 1580-1585 Pyriteferous frosted sand
 1590-1595 Gray shale and frosted sand
 1670- Angular sand
 1730- Sand and small round concretions
 1740-1745 Red shale
 1790- Very coarse frosted sand

Comanche? Upper contact in question
 1880 Fine frosted sand
 1920-1930 Sand with some gray shale
 2040-2065 Sand with some red shale (Probably Cheyenne sand equivalent)

Permian Upper Enid?
 2090 Red shale

Cave Creek?
 2125 Frosted sand, red shale and gyp
 2150-2155 Anhydrite with a trace of dolomite;
 2170-2175 Dohomitic anhydrite

Divisions from this point down to the Neva are hard to make out, due to scanty samples.

2210-2220 Red shale and sand
 2340-2345 Red shale and gyp
 2370-2380 Red shale and gyp
 2390-2400 Red shale

Al. Korman

Lessee Marland Oil Co. Operator Farm Reager Well No. 1

25-26-26W

FORMATION RECORD

Chase?

- 2575-2580 Nodular dolomite
- 2610-2650 Orange grits, red shale and gyp
- 2720-2725 Lime Low Spier Tetrataxis
- 2745-2765 Orange grits
- 2835-2845 Red shale and sand
- 2845-2850 Coal
- 2850-2860 Gray shale and dolomite

Neva

(The section from the Neva to the Ervine Creek is extremely short) but fossils would seem to indicate that such is the case)

- 2990-2995 Lime T. obesus

Wabaunsee to Shawnee

- 3020-3025 Red and gray shale with salmon colored Chazyedony

Ervine Creek

- 3045-3055 Lime T. beedei, T. plumeri

Shawnee

- 3055-3100 Alternating gray and brown shale
- 3100-3165 Alternating lime and brown shale

Kansas City-Lansing

- 3330-3395 Lime
- 3395-3405 Brown shale
- 3400-3430 Brown shale and lime
- 3440-3445 Gray shale
- 3445-3460 Lime Est Bairdia, T. cullomensis, T. cullomensis var. pygmaeus, T. plumeri
- 3460-3470 Lime and gray shale
- 3470-3480 Gray shale
- 3480-3490 Lime and brown shale
- 3500-3510 Brown shale porous
- 3510-3530 Gray shale, porous dolomite and brown shale
- 3535-3545 Lime and brown shale T. cullomensis
- 3550-3555 Lime
- 3560-3565 Brown shale

Marmaton

- 3635-3640 Lime T. cullomensis, T. sp. and fusulinella sp.
- 3640-3655 Lime and brown shale Bryozoa, and other things
- 3680-3690 Gray and brown shale
- 3695-3705 Lime Large Cytherella
- 3705-3710 Brown shale
- 3710-3730 Lime Very fossiliferous
- 3730-3750 Gray shale and lime Fusulinella, inconspicua
- 3750-3780 Brown shale, with some lime shells
- 3780-3790 Lime and brown shale
- 3790-3795 Angular arkosic sand, glauconitic
- 3795-3800 Fossil, gray and brown shale
- 3800-3810 Sand and lime, fossil fragments
- 3810-3820 Calcareous red grits and sand and some violet shale
- 3830-3850 Arkosic sands and brown shale

Lessee Marland Oil Co. Operator Farm Reager Well No. 1

FORMATION RECORD

25-2-26W

Cambrian

Deadwood (Reagan)

3850-3855

Arkosic sand

3855-3860

Green shale

in

3860-3870

Arkosic sand, much pyrite, glauconite and a reddish lime

3870-3885

Arkosic sand and green shale

3885-3890

Arkosic sand

3890-3920

Weathered granite of a pink color, containing some red and drab shale; also a pale violet, gray variety of shale, much glauconite.

Pre-Cambrian or Algonkin

3920-3940

Very felspathic pink granite

3920
2065
1855

25-2-26W

Plotted L.R.

Plotted +

William Reager #1
Sec. 26+2S-26W
Decatur County Kans.

*Samples rec'd from
Marland 2/16/25*

Marland Refining Co.

Loc. SW NE NW

Dr. Comm. 11-12-24
Dr. Comp. 9-9-25

Elev. - 2591
I. P. D & A

Casing Record.

yellow clay		120
sand slay		165
sand wtr		175
quick sand		205
yellow clay		255
gravel		260
yellow clay sandy		295
light shale		710
sandy shale		730
dark shale	19'	749
Pharaties Iron	172'	745?
shale		900
sandy shale		920
sandy shale		965
lime	10'	975
shale	30'	1005
lime	5'	1010
shale	20'	1090
sandy shale	5'	1095
wtr sand	5'	1100
6 BW		
sand	27'	1127
lime shell	2'	1129
HFW 1130		
sand	16'	1145
lime snell	2'	1147
lime shell	14'	1161
white shale	44'	1205
sandy lime		1220
red rock		1228
white shale		1260
red rock		1267
Brkn R. Rock G. Sh.		1270
red rock		1280
shale		1290
red conglomerate		1300
sandy shale	70'	1370
black shale	45'	1415
HFW		

sandy conglomerate	20'	1435
shale	25'	1530
sand wtr		1540
onglomerate		1548
hard lime		1565
shale		1580
conglomerate		1585
shale		1590
lime		1595
shale		1615
sandy lime		1620
shale		1650
shale		1690
red rock		1730
white pebles		1740
red rock		1790
HFW 1742		
yellow sand		1860
HFW		
red rock		2040
sandy lime		2065
red rock		2122
wh chalk & R.R.		2145
lime		2160
red rock		2175
lime		2180
red rock		2215
lime		2225
red rock		2270
red rock flint		2380
red rock		2385
lime		2417
red ro k		2510
HFW		
wtr sand		2555
gray lime		2620
red rock		2632
sand wtr		2635
lime		2643

25-2-26W
12-28
1026

15-27
10-27

25-2-26W
12-28
1026

25-3-26w

W. Reager #1 (Con't)

slate	2645.
red rock	2890 2700?
HFW	
sand	2725
shale	2730
red rock	2745
sand	2765
sandy shale	2840
lime	2858
shale	2868
red rock	2920
shale	2995
brk lime	3130
lime	3165
shale	3220
lime	3245
brkn lime	3275
red rock	3318
lime	3340
HFW	
sandy lime	3380
lime	3408
slate	3412
sandy lime	3427
red rock	3430
slate	3445
broken li e	3480
slate	3485
lime	3495
slate	3500
brkn lime	3520
brkn lime	3550
shale	3566
sandy lime	3590
shale	3625
lime	3635
shale	3640
lime	3655
shale	3690
lime	3730
broken li e	3740
shale	3765
broken lime	3797
red rock	3798
lime	3815
shale	3816
lime	3825
red rock	3837
shale	3842
lime shale	3845

red rock	3852
shale	3853
red rock	3860
sand	3865
shale	3872
sand	3882
red rock	3892
little wtr	
sand	392Z
sandy lime	3931
sand	3941

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Company Marland Oil Co.

Sec. 25 T. 2S R. 26W
Loc. SW NE NW

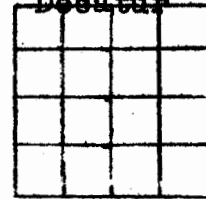
Farm Reager

No. 1

Total Depth 3986
Comm. 10-16-24
Shot or Treated
Contractor
Issued

Comp. 9-9-25

County Decatur



By R. Roth

Casing	
20 in.	10 in.
15 1/2	8 1/4
12 1/2	6 5/8
13 3/8	5 3/16

Elevation 2591

Production Dry

Figures Indicate Bottom of Formation

1545-	Dakota 1545-1790
1580-1585	Pyriteferous frosted sand
1590-1595	Pyriteferous frosted sand
1670-	Gray shale and frosted sand
1730-	Angular sand
1740-1745	Sand and small round concretions
1790	Red shale
	Very coarse frosted sand
	- 1880-2065
	Comanche? Upper contact in question
1880	Fine frosted sand.
1920-1930	Sand with some gray shale
2040-2065	Sand with some red shale (Probably Cheyenne sand equivalent)
	Permian Upper Enid? ^{at} 2090
2090	Red shale
	Cave Creek? 2125-2400
2125	Frosted sand, red shale and gyp
2150-2155	Anhydrite with a trace of dolomite
2170-2175	Dolomitic anhydrite
	Divisions from the point down to the Nova are hard to make cut, due to scanty samples.
2210-2220	Red shale and sand
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2370-2380	Red shale and gyp
2390-2400	Red shale

Figures Indicate Bottom of Formation

	Chase? - 2575-2860	
2575-2580	Nodular dolomite.	
2610-2650	Orange grits, red shale and gyp	
2720-2725	Lime	Low Spier Tetratix
2745-2765	Orange grits	
2835-2845	Red shale and sand	
2845-2850	Coal	
2850-2860	Gray shale and dolomite	
	Neva - 2990-2995	
	(The section from the Neva to the Ervine Creek is extremely short) but fossils would seem to indicate that such is the case.	
2990-2995	Lime	T. obesus
	Wabunsee to Shawnee 3020-3025	
3020-3025	Red and gray shale with salmon colored Chalcedony	
	Ervine Creek - 3045-3055	
3045-3055	Lime	T. beedei, T. plumeri
	Shawnee - 3055-3165	
3055-3100	Alternating gray and brown shale	
3140-3165	Alternating lime and brown shale	
	Kansas City-Lansing 3330-3565	
3330-3395	Lime	
3395-3405	Brown shale	
3420-3430	Brown shale and lime	
3440-3445	Gray shale	
3445-3460	Lime	Bairdia, T. cullomensis, T. cullomensis var. pygmaeus, T. plumeri
3460-3470	Lime and gray shale	
3470-3480	Gray shale	
3480-3490	Lime and brown shale	
3500-3510	Brown shale porous	
3510-3530	Gray shale, dolomite, and brown shale	
3535-3545	Lime and brown shale	T. cullomensis
3550-3555	Lime	
3560-3565	Brown shale	
	Marmaton - 3635-3850	
3635-3640	Lime	T. cullomensis, T. sp. & fusulinella
3640-3655	Lime and brown shale	Bryozoa, and other things
3655-3690	Gray and brown shale	
3690-3705	Lime	
3705-3710	Brown shale	
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3790-3795	Angular arkosic sand, glauconitic	
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3830-3850	Arkosic sands and brown shale	

Figures Indicate Bottom of Formation

	<u>Cambrian</u> 3850-3920
	<u>Deadwood (Reagan)</u>
3850-3855	Arkosic sand
3855-3860	Green shale
3860-3870	Arkosic sand, much pyrite, glauconite, and reddish lime
3870-3885	Arkosic sand and green shale
3885-3890	Arkosic sand
389-3920	Weathered granite of a pink color, containing some red and drab shale, also a pale violet, gray variety of shale, much glauconite.
	<u>Pre-Cambrian or Algonkin</u> - 3920-3940
3920-3940	Very felspathic pink granite