

32-19-1W

WELL LOG BUREAU KANSAS GEOLOGICAL SOCIETY
412 Union National Bk. Bldg. Wichita, Kansas

Company - JAY KORNFELD

Farm - Day

No. 1

SEC. 32 T. 19 R. 1W
CNE¹ NE SW

Total Depth. 3438'

Comm. 9-1-48

Comp. 9-11-48

Shot or Treated.

Contractor. Ballard Drilg. Co.

Issued. 12-11-48

County. McPherson

KANSAS



Elevation. 1582' *End.*

Production. Dry

Figures Indicate Bottom of Formations.

surface sand	140
shale & shells	445
shy lime & shale	1075
shale & shells	1545
shale & lime	2375
lime	2470
lime & shale	2935
lime	2936
chat	3080
lime	3107
lime & chert	3130
shale & lime	3315
shale	3429
lime RTD	3430
lime	3438
Total Depth	

Tops:

Chat	2936
Kinderhook Shale	3107
Viola	3429

Measurements taken from
top of derrick floor.

Belmer & Powers

32-19-1W

SAMPLE LOG

Kornfeld Bros. et al:

Day No. 1

CH $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 32, T.19 S., R.1 W., McPherson County, Kansas.

Elevation: (Derrick Floor) 1582' Total Depth
(with rotary) 3430'

Comm. Drlg. Sept. 1, 1948 Comp. Drlg. Sept. 10, 1948

Pipe: 8 5/8" 142' Cem. with 90 sacks.

Contractor: Mallard Drilling Company - Rig No. 1

Drilling Supt. H. J. Plouffe

Drillers: A.M. R. N. Maltby
Day Guy Polck
P.M. R. C. Frost

Note: Formation tops and depths stated are corrected to derrick floor. *(Two feet higher than drillers measurements which were made from top of Kelly casing which was 2' above D.F. D.P.)*
Derrick floor was two and one-half feet above ground level.

Abbreviations Used

lime = limestone crys. = crystalline

Depth Descriptions of Formations

2890-2910 Gray and dark shale with light gray and gray fine crys. lime

2910-2915 Light gray and gray fine crys. lime

2915-2920 Gray and dark shale

2920-2930 Gray and dark shale with some gray fine crys. lime with pink chert

2930-2938 Gray, purple, green and yellow shale with some vari-colored chert (Conglomeratic)

2935 Very heavy rain 9 1/2 hrs. Circulating and conditioning mud

2938 (-1356) Top of Mississippi lime and chert ("Chat")

2938-2944 Light gray and gray medium crys. lime with some gray chert

2944-2955 Light gray and gray fine to medium crys. lime with little fine granular dolomite and white to gray fresh and tripolitic chert; soft zone with some porosity- no oil observed.

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- 2955-2958 Light gray cherty lime
- 2958-2964 white and light gray fresh and tripolitic chert with some medium crys. lime and fine granular dolomite, fairly porous with traces of oil staining
- 2964-2975 white and gray tripolitic and fresh chert with some lime and dolomite
- 2975-2985 Light gray fine to coarse crys. lime and little fine dolomite with little fresh and tripolitic chert
- 2985-3024 Light gray fine to medium crys. lime with little fine granular dolomite and little white tripolitic and fresh chert; this zone partly porous to very porous and soft to lower part; - little spotted oil staining in upper part and very slight oil staining in lower part.
- 3024-3070 white and gray fresh and leached tripolitic chert and light gray and tan fine crys. partly porous dolomite with little dolomitic lime; - no oil
- 3070-3085 Light gray and white fine to medium crys. lime, dolomitic lime with little fine crys. dolomite and white and gray fresh with some tripolitic chert
- 3105 - Lost circulation; returns recovered in approximately 1 hour;
- 3085-3120 White and light gray, fine and medium crys. lime, fine dolomitic lime and little dolomite with much white and light gray fresh translucent and some opaque chert
- 3120-3135 Tan and light gray fine to coarse crys., slightly cherty lime
- 3135-3160 Light gray, coarse medium and fine crys., slightly lime cherty
- 3160-3188 Light gray, gray and little dark fine with little medium crys., slightly cherty lime
- 3188 (-1606) Top of Kinderhook shale
- 3188-3200 Black dark and gray shale with little disseminated pyrite
- 3200-3290 Dark and gray shale with little gray to dark fine crys. lime
- 3290-3360 Gray and dark shale with little pyrite and thin stringers of gray lime
- Note: Check depth 3352' Drill pipe = 3352 S. L. M.
- 3360-3370 Gray fine crys. lime with some dark and little green shale

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Kornfeld Bros. et al Day #1

3370-3429 Dark and gray shale with few stringers gray lime and some brown shale at base

Circulated 1 1/4 hrs. @ 3425

3429 (-1847) Top of Viola lime

Circulated 1 1/2 hrs. @ 3430

3429-3430 Brownish gray, mottled coarse crys. lime and much fine to medium crys. dolomite and dolomitic lime with some fair to good porosity and traces of spotted oil staining

3430 (-1848) Total Depth with Rotary; Derrick floor

Observation at well completed 11 P.M. Friday, Sept. 10, 1948

Delmer L. Powers

Delmer L. Powers
Petroleum Geologist

DRILLING TIME RECORD

KORNFIELD BRCS., et al:

DAY NO. 1

ON $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{2}$ Sec. 32, T.19 S., R.1 W., McPherson County, Kansas

Elevation: 1852' Derrick floor; Total Depth with rotary: 3432'

Comm. Drng. Sept. 1, 1948 Comp. Drng. with rotary Sept. 10, 1948

Casing: 8-5/8" 142' Cemented with 90 sacks
5 $\frac{1}{2}$ " 2481 $\frac{1}{2}$ ' Cemented with 125 sacks

Contractor: Mallard Drilling Co. - Rig No. 1

Drilling Supervisor: H. J. Bluffe

Drillers: A.M. R. J. Maltby
Day Guy Colek
P.M. R. C. [unclear]

Note: Driller's measure cuts were made from top of drive-bushing which is approximately one foot above rotary table and two feet above derrick floor.

Derrick floor was two and one-half feet above ground.

Checked Depth with steel line: 2482' and 3382'; - no correction needed.

<u>Depth</u>	<u>Drilling time per foot in minutes</u>	<u>Remarks</u>
2800-10	4-3-4-4-4-4-4-4-4	
2810-20	3-4-3-4-3-3-3-3-3	
2820-30	3-4-4-3-3-4-4-4-3	
2830-40	4-4-4-4-4-4-4-4-3	
2840-50	4-4-4-4-4-4-4-3-4	
2850-60	4-4-4-4-4-4-4-3-3	
2860-70	4-5-5-4-4-4-4-4-3	
2870-80	4-4-4-4-5-5-4-3-4	
2880-90	4-4-4-3-3-4-3-3-3	
2890-2900	5-3-3-2-3-2-4-3-3	
2900-10	3-4-3-4-4-3-3-3-3	
2910-20	3-4-3-4-3-3-4-4-3	
2920-30	5-2-3-5-5-3-3-3-3	
2930-40	5-7-3-9-7-6-3-4-4	
2940-50	6-6-3-3-5-2-2-2-4	
2950-60	2-3-1-1-3-3-3-3-3	
2960-70	4-4-4-3-5-3-10-10-3-3	
2970-80	6-7-4-3-3-3-3-7-3-3	
2980-90	10-3-3-3-4-4-3-2-3-4	
2990-3000	1-3-2-1-2-2-1-1-1-2	

A.M. 2942-2948

Circ. 1 $\frac{1}{2}$ hr. @ 2935 & conditioned mud -
rough 2949-2952
S. R. 2953-2955
Trip @ 2972'

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KORNFIELD BROS., et al:

Day No. 1

3000-10	2-2-2-1-2-2-2-2-2	
3010-20	2-2-1-2-1-1-2-3-4-3	S. R. # 3020'
3020-30	2-4-2-3-3-10-8-8-8-7	
3030-40	5-3-7-8-3-7-3-8-7-5	S. R. # 3031'
3040-50	6-7-8-10-3-9-3-7-3-6	
3050-60	6-5-6-6-8-7-10-10-7-6	
3060-70	4-3-5-3-3-3-5-5-5-5	
3070-80	5-8-8-7-7-10-10-9-9-10	Trip # 3080'
3080-90	5-9-10-7-10-8-9-11-10-10	
3090-3100	11-9-8-10-12-11-11-12-10-8	
3100-10	8-7-7-7-3-3-10-10-9	Lost Circ. # 3105'
3110-20	9-10-18-20-21-6-4-4-5-6	S. R. 3109' - 3111'
3120-30	5-3-4-3-3-3-5-5-5-6	Trip 3115'
3130-40	6-3-3-3-5-3-5-5-5-5	
3140-50	5-5-5-5-4-3-3-5-5-5	
3150-60	5-3-3-3-3-3-3-3-3-3	
3160-70	6-5-5-5-5-5-3-4-3-5	
3170-80	4-4-4-4-4-3-5-5-5-4	
3180-90	5-3-4-3-3-3-3-3-3-3	
3190-2200	3-3-3-3-3-3-4-7-3-3-6	
2200-10	5-3-5-3-3-4-6-5-5-6	
2210-20	5-6-5-6-5-5-3-3-3-3	
2220-30	6-7-6-5-7-3-3-3-3-3	
2230-40	5-6-5-5-5-5-4-4-4-3	
2240-50	4-4-4-3-3-3-4-3-3-3	
2250-60	5-5-5-4-4-3-4-3-3-4	
2260-70	5-4-5-3-3-4-4-3-3-3	
2270-80	4-5-5-4-5-4-5-4-3-5	
2280-90	5-5-5-3-3-3-3-3-3-3	
2290-3300	5-4-4-4-5-4-4-4-4-3	
3300-10	5-3-3-3-4-5-3-4-3-3	
3310-20	5-5-5-4-5-5-5-3-3-5	
3320-30	4-4-5-5-4-5-3-4-5-5	S. R. # 3315-3315
3330-40	5-5-5-1-5-5-3-6-4-4	
3340-50	4-5-3-3-5-5-3-3-5-5	
3350-60	6-5-5-5-5-3-3-3-3-3	
3360-70	5-5-5-3-3-3-6-4-3-7	
3370-80	5-3-3-5-3-3-3-3-3-3	
3380-90	5-5-5-5-5-7-3-5-3-6	
3390-3400	5-5-5-5-5-3-5-3-5-3	
3400-10	5-6-5-3-3-3-4-3-3-3	
3410-20	4-5-4-3-3-3-3-3-3-3	
3420-30	4-5-5-3-5-3-3-4-3-4	Circ. 1 hr. 17 min. 3427'
3420-32	5-5	S. R. # 3429'
		Quite rough # 3431'
		Circ. 1 1/2 hr. # 3431'

3432 Total Depth

Observations at well completed at 10:30 P.M., Friday, Sept. 10, 1948

Delmer L. Powers

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Petroleum Geologist

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