

SAMPLE LOG

E. H. Adair Oil Company

Well No. 1

Sec. 17., T. 21 S., R. 12 W., Stafford County, Kansas

Elevation: 1962' D.F.

Total Depth 3587' D.F.

Comm. Drig. Jan. 21, 1951

Comp. Drig. Jan. 31, 1951.

Casing: 8 5/8" - 327' cemented with 200 sacks.

Contractor: E. H. Adair Oil Company, Rig No. 2.

Drillers: A.M. James Shackelford  
Day Harry Roberts  
P.M. Doyle Stone.

Note: Depths to formation tops and other zones mentioned in the following log have been corrected to the derrick floor, which makes them three feet higher than drillers' measurements, which were made from the top of the rotary drive-bushing which was three feet above the derrick floor.

Derrick floor was two feet above ground level.

Abbreviations Used

lime. = limestone                      crys. = crystalline                      tex. = textured

Depth                      Description of Formation

Note: This log has been corrected in accordance with steel-line measurement, made at 3252' D.F.

- 3000 - 3025 Light gray, fine crys and fine tex. lime.
- 3025 - 3035 Light gray, colitic lime.
- 3035 - 3050 Light gray, columbic lime.
- 3050 - 3113 Light gray with little gray fine crys. lime.

3113 (-1251) Top of Neokar shale.

- 3113 - 3117 Black, carbonaceous shale.
- 3117 - 3130 Light gray and gray fine crys. lime.
- 3130 - 3160 Light gray and gray fine crys, lime. with considerable gray - dark shale.
- 3160 - 3170 Light gray fine crys. lime.
- 3170 - 3180 Gray to dark shale.
- 3180 - 3190 Light gray, fine crys. lime.

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K. H. Adair Oil Company:

Well No. 1

- 3170 - 3210 Gray to dark shale with some gray lime.
- 3210 - 3220 Red and gray shale.
- 3220 - 3245 Gray to dark shale with trace of gray lime.

3245 (-1303) Top of "Brown lime".

- 3245 - 3255 Brown, Dark gray and gray, very fine crys. lime.
- 3255 - 3262 Red, pale-green and gray shale.

3262 (-1400) Top of Lansing - Kansas City Limestone.

- 3262 - 3265 Light gray with little tan, fine crys. partly oolitic lime.

Checked Depth: 3252' drill-size # 303' S.L.M. Made correction 11' down.  
This log, drilling time record and depths on sample bags corrected accordingly.

- 3265 - 3272 Light gray, fine crys. lime.
- 3272 - 3301 Light gray, slightly porous, oolitic lime, with slight spotted trace oil stain. No oil odor or colors. (Non-commercial).

Circulated 1 hour for samples at 3302'

- 3301 - 3325 Light gray, fine crys. lime, with little dark shale.
- 3325 - 3330 Dark shale.
- 3330 - 3345 Light gray and gray, fine crys. lime, with some gray to dark shale.

Trip # 3343; put on 7 7/8" C P - E H bit.

- 3345 - 3375 White and light gray, fine crys. lime.
- 3375 - 3395 Light gray, very fine crys. partly cherty lime.
- 3395 - 3392 Light gray, leached, porous, soft oolitic lime. No oil.

Circulated 1 hour for samples at 3392' D.S.

- 3392 - 3405 Light gray, fine crys. lime.
- 3405 - 3420 White and light gray, fine crys. lime.
- 3420 - 3435 Gray and greenish-gray shale.
- 3435 - 3430 Red shale.
- 3430 - 3445 White and light gray, fine crys. lime.
- 3445 - 3450 White and light gray, fine crys. slightly porous lime, with little black dead oil residue. (Non-commercial).

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E. B. Adair Oil Company:Westerfer No. 1

3450 - 3460 Light gray and gray, fine crys. lime.

3480 (-1518) Top of Cherty Conglomerate.

3480 - 3492 Red, greenish - gray and gray shale, with much vari-colored chert (jumper).

Circulated 1 hour for samples at 3484'

3492 - 3495 Grayish-green and red shale with some fine grained sandstone with slight spotted brown and black oil stains. (Non-commercial).

3495 - 3519 Red with little green - gray shale with little vari-colored chert.

Circulated 1 hour for samples at 3513'3519 (-1557) Top of Viola Chert.

3519 - 3529 White, porcellaneous, fresh chert with little light gray and white tripolitic chert, slightly spotted oil stains in upperpart. No oil odor. (Non-commercial).

Circulated 1 hour for samples at 3523'3539 (-1677) Top of Simpson shale.

3539 - 3550 Green, dark gray-green and little maroon shale with waxy lustre and with very little fine, tight sandstone and pyrite.

Trig # 3553' put on 7 7/8" S.P. - E.M. bit.

3555 - 3567 Green, grayish-green and little maroon shale with disseminated fine quartz sand grains.

3567 (-1705) Top of Arnsackle Dolomite.

3567 - 3571 Light gray, gray and little brown, mostly medium crys., with little coarse crys., slightly porous dolomite with very slight spotted oil stains; porosity and permeability appear low; fresh wet, circulated samples had no oil odor. (Considered non-commercial).

Circulated 1 hr. 20 min for samples at 3571'

3571 - 3573 Light gray, gray and little brown, medium and fine crys., slightly porous dolomite with slight spotted trace of brown and black oil stain. No oil odor. (Non-commercial).

3573 - 3579 Light gray, medium crys., slightly porous dolomite with little spotted dark dead oil stain. (non-commercial).

3579 - 3587 Light gray and little white mostly medium crys. dolomite with very little visible porosity. No oil.

Circulated 1 hour for samples at 3587', Total Depth.

E. H. Adair Oil Company

Well No. 1

3527 (-1725) Total Depth.

Dry hole; to plug and abandon.

Observations at well completed P.M. Wednesday, January 31, 1951.

*Delmer L. Powers*

Delmer L. Powers  
Petroleum Geologist.

DELMER L. POWERS, WICHITA, KANSAS

DRILLING TIME RECORD

K. H. Adair Oil Company

Well No. 1

SW SW NE Sec. 17, T. 21 S., R. 12 E., Stafford County, Kansas.

Elevations 1862' S.F. Total Depth 3590'

Comm. Drig. Jan. 21, 1951 Comp. Drig. Jan. 31, 1951.

Casings: 2 5/8" - 327' cemented with 200 sacks.

Contractors: K. H. Adair Oil Company, Rig No. 2.

Drillers: A.M. James Shackelford  
Ray Harry Roberts  
P.M. Doyle Stone

Note: Drillers' measurements were made from the top of the rotary drive-  
bushing which are feet above the rotary table and three feet above derrick floor.

Derrick floor was two feet above ground level.

Depth                      Drilling Time per Foot in Minutes                      Remarks

3011-20	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3020-30	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3030-40	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3040-50	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3050-60	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3060-70	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3070-80	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3080-90	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
3090-100	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1100-10	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1110-20	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1120-30	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1130-40	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1140-50	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1150-60	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1160-70	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1170-80	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1180-90	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1190-100	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1200-10	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1210-20	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1220-30	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1230-40	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1240-50	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1250-60	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1260-70	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1270-80	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20

Checked Depth: 3255' drill-pipe &  
3266' S.M. Made correction 11' down.

E. H. AARLY OIL COMPANY

Register No. 1

3280-90	6-5-5-6-6-6-6-7-7-5	
3290-90	6-6-6-6-6-6-6-6-6-6	
3300-10	6-3-2-2-2-2-2-2-2-2	Circ. 1 hr. @ 3305'
3310-20	7-7-6-6-6-6-6-6-6-6	
3320-30	7-9-7-7-7-7-5-5-5-5	
3330-40	5-5-5-5-5-5-5-5-5-5	
3340-50	9-9-12-7-11-12-5-5-5-3	Trip @ 3346'
3350-60	3-4-3-3-3-3-5-5-5-5	
3360-70	4-4-4-4-4-4-4-4-4-4	
3370-80	5-5-5-5-5-5-5-5-5-5	
3380-90	6-7-5-5-5-5-5-5-5-5	
3390-1000	3-1-2-2-2-2-2-2-2-2	Circ. for samples 1 hr. 16 min. @ 3395'
3405 - 10	6-7-6-6-6-6-6-6-6-6	
3410-20	7-7-7-7-7-7-7-7-7-7	
3420-30	6-6-6-6-6-6-6-6-6-6	
3430-40	6-7-7-7-7-7-7-7-7-10	
3440-50	3-3-3-3-7-7-7-7-7-7	
3450-60	7-5-5-5-5-5-5-5-5-5	
3460-70	5-5-7-7-6-6-6-6-6-6	
3470-80	5-5-5-5-5-5-7-7-7-7	
3480-90	6-6-7-7-2-2-2-2-7-10-11	Circ. for samples 1 hr. 7 min. @ 3487' S.A. @ 3484'
3490-3500	10-9-3-3-3-9-10-9-11-12	
3500-10	11-10-6-3-3-3-3-3-3-3	
3510-20	11-10-6-3-3-3-3-3-3-3	S.A. @ 3514' Circ. for samples 1 hr 20 min. @ 3516'
3520-30	6-5-5-5-5-5-5-5-5-5	S.A. @ 3524' Circ. for samples 1 hr. @ 3526'
3530-40	6-5-5-5-5-5-5-5-5-5	S.A. @ 3532, 35, & 40'
3540-50	4-4-6-7-7-10-25-15-14-14	
3550-60	13-11-11-11-16-12-16-10-10-6-6	Trip @ 3556'
3560-70	4-6-7-7-7-7-7-7-7-7	
3570-80	2-5-5-5-5-5-5-5-5-5	
3580-90	4-5-5-5-5-5-5-5-5-7	Circ. 1 hr. 20 min. for samples @ 3574'. Partly rough @ 3571'; S.A. @ 3572, 3576, 77, 78, 79. Circ. 1 hr. for samples @ 3590'
3590'	Total Depth	

Drilling and circulating completed P.M. Wednesday, January 31, 1951.

*Delmer L. Powers*

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Petroleum Geologist

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