

WELL LOG

WILLIAM C. GRAVES #1 - D & A
C NW SE
Section 28-34S-21W
Barber County, Kansas
Hardtner Field

Elevation 1435 KB
Total depth 4835' RTD

Location Staked	1-26-57	L. C. Case, MPCo Civil Engineer
Spud Date	1-29-57	Graham-Michaelis Drilling Co, Wichita, Kansas
Drilling Completed	2-11-57	" " " " " "
Plugging Commenced	2-11-57	" " " " " "
Plugging Completed	2-11-57	" " " " " "

Casing Record

9-5/8" Csg 25.4# Armco Spiral Weld Split Joint Put in: 227' Pulled: None Left in: 227'

9-5/8" Csg set @ 239' w/250 sx Pozmix 2% CC Circulated 1-30-57
No oil string set (D & A)

Potential and Production Tests

None - (D & A)

Formation Summary:

Surf Sand	0	240
Red Bed	240	862
Red Bed & Shale	862	1715
Shale	1715	1933
Shale & Lime	1933	2479
Shale & Lime Streaks	2479	2869
Shale	2869	3029
Lime & Shale Streaks	3029	3305
Lime & Shale	3305	3482
Shale & Lime Streaks	3482	3760
Lime & Shale	3760	3959
Shale	3959	4088
Lime	4088	4835 RTD

Formation Record:

Lansing-Kansas City	4068
Basal Penn. Sd Zone	4690
Mississippi Cx	4710
Rotary Total Depth	4835

Sub-Sea

-2635
-3257
-3277

Source

Samples RTY
"
"
Drlr

Lansing-Kansas City	4070	-2637	Schlumberger
Basal Penn. Sd Zone	4693	-3260	"
Mississippi Cx	4712	-3279	"
Total Depth	4828		

Drill Stem Tests:

2-9-57 #1, 4676-4730', open hole, tool @ 4676', top choke 1/2", btm choke 1/2", op 1 hr, good blow for 1 hr, rec 25' sli GCM, IBHFP 70#, FFP 65#, SIBHP 575# in 20 mins, HH 2540#, SFP 0#.

2-10-57 #2, 4730-4790', open hole, tool @ 4730', top choke 1/2", btm choke 1/2", op 1 hr, no surf pressure, rec 60' sli GCM w/few specks of oil, IFP 70#, FFP 80#, SIBHP 170# in 20 mins.

Perforations: None

Core Record: None

Acidizing or Other Completion Operations: None

Plugging and Abandonment Record:

2-11-57 Heavy mud 4835-225'. Wood plug @ 225', 35 sx cmnt 225-140'. Heavy mud 140-35'. Wood plug @ 35', 15 sx cmnt from 35' to base of cellar. P & A @ 8:00 P.M. on 2-11-57.

PLUGGING

FILE SEC 28 T. 34 R. 12W
BOOK PAGE 140 LINE 24

WM. C. GRAVES #1Well Record

Location: C NW SE 28-34S-12W
Barbara County, Kansas

Commenced: January 28, 1957
Completed: February 12, 1957
(rotary)

Operator: Magnolia Petroleum Co.
Socony Bldg., Second & Broadway
Wichita 2, Kansas

Contractor: Graham-Michaelis Drilling Co.
211 North Broadway
Wichita, Kansas

Casing Record: 9 5/8" @239* W/250 sacks Pozmix Cement

LOG

Red: Bed	862
Red Bed-Shale	1275
Shale	1753
Shale & Lime	2106
Lime & Shale	2479
Shale-Lime	2869
Shale	3029
Lime-Shale Strks.	3305
Lime & Shale	3482
Shale-Lime Strks.	3760
Lime & Shale	3959
Shale	4088
Lime	4835, RTD.

STATE OF KANSAS)
) ss.
COUNTY OF SEDGWICK)

The undersigned, GRAHAM-MICHAELIS DRILLING COMPANY, hereby certifies that the above log is a true and correct log of the formation encountered in drilling the above well as reflected by the Daily Drilling Report.

GRAHAM-MICHAELIS DRILLING CO.

By John L. James
John L. James, Geologist

Subscribed and sworn to before me
this 14th day of February, 1957

V. D. Grier
V. D. Grier, Notary Public
My commission expires: 1/7/61.

