

23-8-23W

Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: DRY HOLE	
Well No. 1-23	Lease Name Justus		
S 23 T 8S R 23W ^{EX} _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
			DEPTH
Sand and shale	0	250	Heebner
Shale	250	265	
Shale and sand	265	1799	Lansing
Anhydrite	1799	1834	
Shale	1834	2620	Base K.C.
Shale and lime	2620	3425	
Lime	3425	3512	R.T.D.
Lime and shale	3564	3700	
Rotary total depth	3700		
		Petro-Log Radiation Guard Log Compensated Density Log	

JUSTUS #1-23 DRILL STEM TESTS:

- DST #1 3068-3088, 30-60-45-90. Recovered 200' salt water. Very weak blow in both 1st and 2nd openings. IFP 32-43, FFP 54-108; ISIP 1113, FSIP 1092.
- DST #2 3452-3466, 30-30-45-45. Very weak blow. Died in 23 minutes on 1st open. No blow on 2nd open. IFP 21-32, FFP 43-54; ISIP 823, FSIP 823. Recovered 80' watery mud.
- DST #3 3465-3485, 30-30-30-30. Very weak blow. Died in 7 minutes on 1st open. No blow on 2nd open. Recovered 2' drilling mud. IFP 10-10, FFP 10-10. ISIP 10, FSIP 10.
- DST #4 3482-3512, Packer Failure.
- DST #5 3478-3512, 30-60-45-90. Strong blow 1st and 2nd open. Recovered 1385' drilling mud. IFP 239-500, FFP 575-726. ISIP 1553, FSIP 1392.
- DST #6 3464-3512, 30-30-45-45. Strong blow on 1st and 2nd open. Recovered 960' drilling mud. IFP 217-391, FFP 434-489; ISIP 1221; FSIP 974.
- DST #7 3533-3564, Packer Failure.
- DST #8 3528-3588, Packer Failure.

Date



State Geological Survey

21

CONTRACTOR'S WELL LOG

WICHITA BRANCH

OPERATOR: Graham-Michaelis Corporation
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: JUSTUS #1-23
 LOCATION: C NW NE SW, Section 23-8S-23W
 Graham County, Kansas
 SPUD DATE: 2/11/81
 COMPLETION DATE: 2/20/81

0	250	Sand & Shale
250	265	Shale
265	1799	Shale & Sand
1799	1834	Anhydrite
1834	2620	Shale
2620	3425	Shale & Lime
3425	3512	Lime
3512	3564	Lime & Shale
3564	3700	Lime
	3700	Rotary Total Depth

Spud hole @ 4:00 p.m., 2/11/81. Drilled 250' of a 12 $\frac{1}{4}$ " hole. Ran 6 jts. of 8 5/8" - 23# casing (tally 241.34') Set @ 248' RTD. Cemented with 200 sx. of common, 3% c.c., 2% gel. Cement did circulate. Plug was down @ 8:30 p.m. Cement by Allied Cement. Drilled the plug @ 7:00, 2/12/81.

T.D. @ 3700'. Set 1st Plug @ 800' with 60 sx. Set 2nd Plug @ 240' with 30 sx. Set 3rd Plug @ 40' Solid Bridge with 10 sx. Rathole with 5 sx., 50-50 posmix, 6% gel. Plug was down @ 3:00 p.m., 2/20/81. Cement by Allied Cement. State Plugger - Gilbert Balthazar.

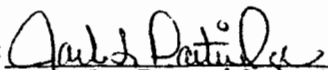
IPLE TOPS:

Anhydrite 1799'
 B/Anhydrite 1834'

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary/Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the JUSTUS #1-23, C NW NW SW, Section 23-8S-23W, Graham County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: 
 Jack L. Partridge, Asst. Sec./Treas.

ribed and sworn to before me, a Notary Public, in and for the aforesaid county and state