

CONTRACTOR'S WELL LOG

OPERATOR: ISERN Petroleum Co. ✓  
 CONTRACTOR: Abercrombie Drilling, Inc.  
 WELL NAME: HERBEL "A" #1  
 LOCATION: 100' E of SW SW SE,  
 Sec. 21-9S-33W, Thomas County, Ks.  
 SPUD DATE: 2-15-77  
 COMPLETION DATE: 2-24-77

0	70	Shale & Sand
70	315	Sand & Shale
315	3535	Shale & Sand
3535	4163	Lime & Shale
4163	4564	Lime
4564	4660	Shale & Lime
4660	4760	Lime
	4760	Rotary Total Depth

Spud hole at 2:30 p.m. 2-15-77. Drilled 315' of 12 1/4" hole. Ran 8 jts. of used 8 5/8" 28# Surface Casing. (Tally 301.60') Set at 309.60'. Cemented with 200 sx. common cement, 2% gel, 3% Ca. Cl. Plug was down at 8:00 p.m. 2-15-77. Cement did circulate.

T.D. 4760', ran 70 jts. of new 4 1/2" - 10 1/2# Casing. (Tally 2733.98') Set at 2739.98'. Cemented with 275 sx. of 50/50 posmix, 6% gel. Job was complete at 7:00 a.m. 2-24-77.

SAMPLE TOPS:  
 Anhydrite 2710'  
 B/Anhydrite 2767'

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 HERBEL "A" #1, 100' E of SW SW SE, Section 21-9S-33W, Thomas County, Kansas.

ABERCROMBIE DRILLING, INC.

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

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid county and state as of this 3rd day of March, 1977.

Kathy S. Goertz  
 Kathy S. Goertz, Notary Public



COPY