

CONTRACTOR'S WELL LOG

OPERATOR:	The Maurice L. Brown Co.
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	WORCESTER "A" #1
LOCATION:	C SW SE NW, Sec. 16-7S-22W Graham County, Kansas
SPUD DATE:	September 5, 1976
COMPLETION DATE:	September 15, 1976

0	35	Clay
35	92	Sand
92	253	Shale
253	735	Shale and Sand
735	900	Shale
900	970	Sand
970	1455	Shale
1455	1650	Sand
1650	1944	Shale & Sand
1944	1974	Anhydrite
1974	2593	Shale
2593	3270	Shale & Lime
3270	3417	Lime & Shale
3417	3525	Lime
3525	3565	Lime & Shale
3565	3592	Lime
3592	3630	Lime & Shale
3630	3935	Lime
	3935	Rotary Total Depth

Spudded 10:30 a.m. 9-05-76. Drilled 253' of 12 $\frac{1}{4}$ " hole. Ran 6 jts. of 8 5/8" casing (Tally 243.56) Set at 253' K.B. - 2 centralizers. Cemented with 190 sx. Class "A" cement, 3% Ca. Cl. Cement circulated. Plug down at 2:40 p.m. 9-05-76

3935', First plug set at 1000' with 70 sx., 2nd plug set at 250' with 20 sx, 3rd plug set at 40' with 10 sx. Plug was down at 1:00 p.m. 9-15-76. State Plugger - Gilbert Balthazor.

SAMPLE TOPS:

Anhydrite 1944'  
B/Anhydrite 1974'