

CONTRACTOR'S WELL LOG

OPERATOR: Zenith Drilling Corporation, Inc.
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: Jones #1
 LOCATION: C NW SW SW, Section 3-8S-22W
 Graham County, Kansas
 SPUD DATE: November 09, 1979
 COMPLETION DATE: November 16, 1979

0	100	Clay and sand
100	352	Sand and shale
352	1760	Shale and sand
1760	1791	Shale
1791	1820	Anhydrite
1820	2887	Shale
2887	3209	Shale and lime
3209	3365	Shale
3365	3435	Lime and shale
3435	3484	Shale and lime
3484	3630	Lime
	3630	Rotary Total Depth

Spud hole at 3:15 p.m., November 09, 1979. Drilled 250' of 12 $\frac{1}{4}$ " hole. Ran 6 joints of 8-5/8" - 20# casing. (Talley 241') Set at 248' RTD with 190 sacks of common cement, 3% Ca.Cl., 2% gel. Cement did circulate. Plug was down at 8:15 p.m., November 09, 1979.

T.D. 3630'. Set first plug at 750' with 70 sacks, second plug at 240' with 20 sacks, third plug at 40' solid bridge with 5 sacks and 5 sacks in the rathole. Cemented with 50/50 posmix, 6% gel. Plug was down at 4:45 a.m., November 16, 1979.

SAMPLE TOPS:

Anhydrite 1791'
 B/Anhydrite 1820'