

CONTRACTOR'S WELL LOG

OPERATOR: Zenith Drilling Corporation
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: GATES #1
LOCATION: SE NW SW, Section 23-8S-24W
Graham County, Kansas
SPUD DATE: 5-12-80
COMPLETION DATE: 4-17-80

0	244	Clay & Shale
244	910	Shale
910	2032	Shale & Sand
2032	2062	Anhydrite
2062	3283	Shale
3283	3750	Shale & Lime
3750	3900	Lime
	3900	Rotary Total Depth

Spud hole at 1:30 p.m., 5-12-80. Drilled 244' of 12-1/4" hole. Ran 6 joints of 8-5/8" casing. (Tally 234'). Set at 242' R.T.D. Cemented with 190 sacks of common, 3% Ca.Cl., 2% gel. Cement did circ. Cement by Sun Cement. Plug was down at 5:30 p.m., 5-12-80.

T.D. 3900'. Set 1st plug at 900' with 60 sacks, 2nd plug at 240' with 30 sacks, 3rd plug 40' solid bridge with 10 sacks, and rathole with 5 sacks. Plug was down at 1:30 a.m., 5-17-80.

SAMPLE TOPS:

Anhydrite 2032'
B/Anhydrite 2062'