

13-8-14W
 F-141-200880
 State Geological Survey
 WICHITA, BRANCH

CONTRACTOR'S WELL LOG

OPERATOR: DuPont Oil Company
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: BLISS #1
 LOCATION: NW NW SE, Section 13-8S-14W
 Osborne County, Kansas
 SPUD DATE: 3/28/81
 COMPLETION DATE: 4/03/81

0	70	Clay & Sand
70	287	Shale & Sand
287	319	Shale
319	1015	Shale & Sand
1015	1045	Anhydrite
1045	1898	Shale
1898	2252	Lime & Shale
2252	2248	Shale
2248	3380	Lime & Shale
	3380	Rotary Total Depth

Spud hole @ 2:45 p.m., 3/28/81. Cut 287' of a 12 1/4" hole. Ran 7 jts. of 8 5/8" - 20# casing (tally 278.55;) Set @ 285' RTD. Cemented with 215 sx. of common 2% gel, 3% c.c. Cement did circulate. Plug was down @ 8:30 p.m., 3/28/81. Drilled the plug @ 6:30 a.m., 3/29/81.

T.D. @ 3383'. Set 1st Plug @ 660' with 60 sx. Set 2nd Plug @ 270' with 30 sx. Set 3rd Plug @ 40' Solid Bridge & 10' sx. in rathole. Cemented with 50-50 posmix, 3% c.c., 2% gel. Plug down @ 2:45 a.m., 4/03/81. Sun Cement. State Plugger - Dwayne Rankin.

SAMPLE TOPS:

A/Anhydrite 1015'
 B/Anhydrite 1044'

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

Jack L. Partridge, Vice President of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the BLISS #1, NW NW SE, Section 13-8S-14W, Osborne County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: Jack L. Partridge
 Jack L. Partridge, Vice President