

WELL LOG

OPERATOR: Liberty Enterprises, Inc. 15:051-21919-00-00

WELL NAME: Nicholson # 1 LOCATION: C E/2 SW NW Sec.16-13S-18W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: 11-13-1980 WELL COMPLETED: 11-22-1980

ELEVATION: 2127 GL TOTAL DEPTH: 3725'

PRODUCTION: D & A RIG NO: 1

CASING - 8 5/8" 6 Jts. of used 8 5/8, tallied 267', set @ 272'. Cemented w. 165 sx. of Common Cement, 3% CC, 2% Gel. 5 1/2"

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS
0'	70'	Post Rock		Slope Test
70'	280'	Shale	3476' 1/2° off	
280'	1710'	Shale abd Sand		
1710'	2080'	Shale		
2080'	3725'	Shale and Lime		

STATE RECEIVED
CONSERVATION COMMISSION
DEC 24 1980
12-24-80
CONSERVATION DIVISION
Wichita, Kansas

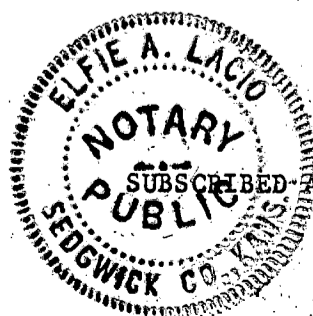
STATE OF KANSAS

COUNTY OF Sedgwick

The undersigned hereby certifies that to the best of his knowledge and belief, the above facts are true and correct.

BIG KAT INC.

By Gerald Katt



SUBSCRIBED AND SWORN TO, BEFORE ME, THIS 1st day of December, 1980.

Elfie A. Lacio

NOTARY PUBLIC
Elfie A. Lacio

My Commission expires: 4-4-1984.