

WELL LOG

OPERATOR: George P. Crawford

WELL NAME: Cooper #1 LOCATION: NE/4 SW/4 SW/4 8-8S-17W

COUNTY: Rooks STATE: Kansas

WELL COMMENCED: June 4, 1980 WELL COMPLETED: June 10, 1980

ELEVATION: none TOTAL DEPTH: 1316'

PRODUCTION: D & A RIG NO: #1

CASING - 8-5/8": none, lost circulation & never got it back

5-1/2": none

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	44'			
44'	44'	sand		
44'	550'	sands and shales		
550'	692'	sand and shale		
692'	692'	sand and clay		
692'	1162'	sands and shales		
1162'	1316'	sand and shale		
1316'	1316'			
1316'	RTD			

JUN 20 1980

STATE OF KANSAS
COUNTY OF

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

PIONEER DRILLING CO., INC.

By Roger A. Conner

SUBSCRIBED AND SWORN TO, BEFORE ME, This 19th day of June, 1980.

Connie Jo Austin
NOTARY PUBLIC

