



7000'-8782', GREYWACKE AND SUBGREY-WACKE, LT. GR. AND LT.-DK. GR. BRN. VY. F-F. SD., SILTY, TIGHT, DENSE, APPROX. COMPOSITION-CHLORITE 30%, QTZ. 30%, LT. GR. FELDSPAR 10-20%, DK. MINERALS AND/OR ROCK FRAG. 5% MICA AND OTHER MINERALS 5%, CARB. MATERIAL 5%, OCC. COAL LAMINAE, SOME WH. FINE ANG. FRAG. (KAOLIN OR TUFFACEOUS MATERIAL); SILTSTONE, GR. BRN. AND DK. BRN. GR., PARTLY ARGILL., MED. HD.-HD., AND SHALE, DK. BRN. GR., CARB., DENSE, TRACES OF CALCITE AND GYPSUM FROM FRACTURES.

NOTE- CARBONACEOUS MATERIAL DOES NOT FLUORESCCE, BUT OFTEN WILL YIELD FAINT YELLOW CUT WITH CCl₄.

8768'-80' PROBABLE NORMAL FAULT (LOST CIRCULATION IN FRACTURE AND INCREASE IN SONIC VELOCITY)

20 UNITS GAS (100% METHANE) ON STARTING TO CIRCULATE AFTER TRIP AT 8841', TRIP GAS 15 UNITS.

UNUSUALLY LARGE AMOUNT OF TRIP GAS (100% METHANE) AFTER TRIP AT 9707'.
8782'-11,220', GREYWACKE, MED.-DK. GR. BRN., AS ABOVE, BUT HARDER AND SLY. SILICEOUS; SILTSTONE, GR. BRN.-GRY. BRN., PARTLY ARGILL., PARTLY SILICEOUS, MED. HD.-VY. HD. CARB., SLY. MIC.; AND SHALE, DK. GR. BRN., PARTLY SILICEOUS, HD., BRITTLE, CARB. ABUND. FRACTURES FILLED WITH CALCITE AND GYPSUM.

POSSIBLE FAULT ZONE 10,088'-10,110', DRILLING BREAK AND FAULT GOUGE IN CUTTINGS

LOST 200 BBL MUD AT 8798' INTO FRACTURES
DST 2, 8761'-8888' T.O. 2 1/2 HOURS
BHHP 4470#
BHFP 1300#
BHFF 3155#
BHSIP FAILED TO CLOSE
BHT 254° F
REC. 2700' WTR. CUSH.
5100' S.G.C. FM. WTR. AND FILTRATE, NACL = 13,500 PPM, R=0.41L. AT 74° F

DST 3, 9669'-9796' T.O. 1/2 HOUR
BHHP 5270#
BHFP 1645#
BHFF 1645#
BHSIP 1645#
REC. 3800' WTR. CUSH. AND 30' RAT HOLE MUD

LOST 200 BBL. MUD IN 2 HOURS AT 9896'
DST 4, 9886'-9950' T.O. 1 1/2 HOURS
BHHP 6050#
BHFP 1935#
BHFF 2840#
BHT 290° F
REC. 5800' WTR. CUSH. AND 2188' MUD AND FM. WTR., R=0.44R. AT 75° F

JURASSIC? - L. CRETACEOUS
STRZELECKI GROUP