

## LITHOLOGIC LOG

LITHOLOGY	DEPTH	SURVEYS, TESTS, SHOWS ETC.
COAL, SBBUT	- 50'	
CLAY/SND, LT GRY	50' - 91'	
COAL, SBBIT	92' - 110'	
SLTSTN, DK GRY	111' - 125'	
SS, CALCIC, MD GRY	126' - 162'	TR FLUOR IN CUTTINGS, CREAM-CUTS BRT YEL @ 145'-150'.
SLTSTN, DK GRY CARB	163' - 170'	
SS, MD GRY	171' - 380'	SLIGHT LOSS CIRC @ 359'
CLAY, LT GRY W/COAL	381' - 390'	
SS, MD GRY, SL CALCIC	391' - 650'	484' 0°30'
SS, WHT, SILICEOUS	651' - 739'	9 5/8" CASING @ 675', REDUCE HOLE TO 8 3/4".
SLTSTN, BRWN-GRY	740' - 920'	1/2° @ 825', 2° @ 919'.
CLAY, KD BRWN- <del>BR</del> GRY	921' - 1098'	1° @ 1012'.
SS, WHT SILECEOUS	1099' - 1103'	
SLTSTN, MD GRY-BRWN	1104' - 1158'	1 1/2° @ 1108'
CLAY/SHALE, MD-DK GRY	1159' - 1406'	2° @ 1296', 3° @ 1380'.
SS, SILTY, CLAY	1407' - 1453'	
CLAY/SLTSTN, SNDY MD BRWN	1454' - 1721'	2° @ 1496', 2° @ 1592' DST#1 @ 1680'- 1717'. PACKERS DID NOT SEAT.
CLAY/SND, DK GRY	1721' - 1802'	1 1/2° @ 1779'.
SAND, LT GRY CLAY	1803' - 2632'	TR FLUOR IN MUD & CUTTINGS, BRT YEL CUTS DULL YEL, 2005'-2050'. 1 1/4° 187' ; 1° 1967', 1 1/2° 2125', 1 1/4° 2300', 1 3/4° 2469', 1 3/4° 2596'.
CLAY LT GRY, SNDY	2633' - 2873'	1 1/4° 2724'
SS, MD GRY	2874' - 2991'	
COAL, SBBIT	2992' - 2995'	35U
CLAY, LT GRY	2996' - 2980'	2 1/4° 2973'
COAL, SBBITUM	2981' - 3015'	TR YEL FLUOR IN CUTTINGS, CUTS FAINT YEL. CHROM=99.8% C1 & .2% C2
SAND, LT GRY	3016' - 3150'	TR FLOUR IN CUTTINGS, BRT YEL CUTS DULL YEL @ 3100'-3110'. 2 1/2° 3092'
SHALE/CLAY, MD GRY	3151' - 3396'	TR FLUOR @ 3130'-3140', BRT YEL CUTS DULL YEL, CHROM=97% C1, 3% C3, OR 95.6 % C1, 4.4% C2; 3 1/2° 3193', 4° 3275', 3 3/4° 3378'.
SS, LT/MD GRY	3397' - 3575'	TR YEL FLUOR IN CUTTINGS, CUTS WK GC LD, CHROM 95% C1, 3% C2, 1% C3, 1% C4 @ 3400-3410'. 3 1/2° 3440', 3 1/2° 3510', 3 1/2° 3560'.
CLAY, SILTY, LT-MD GRY	3576' - 5142'	3 3/4° 3658', 3° 3819', 3 1/2° 3872', 3° 3972', 3 1/2° 4069', 4 1/2° 4403', 4° 4550', 100BBL GAIN IN PITS @ 4540'- 4560', 3 3/4° 4803', 3 1/4° 4962'.
SLTSTN, SNDY, BRWN	5143' - 5330'	3° 5175'
SAND, FN-CRS, MD GRY	5331' - 5981'	3° 5460', GAIN 2" IN PITS @ 5670', 2 1/4° 5719'
CLAY/SLTSTN, SNT BRWN	5982' - 6455'	1° 6184'

LITHOLOGY

DEPTH

SURVEYS, TESTS, SHOWS, ETC.

SAND, VOLC 6466' - 6600'  
SLTSTN/CLAY, DK GRY-BRWN 6601' - 6640'  
VOLV, PILLOW BASALT 6641' - 6821'

1° 6689', TD @ 6821', RUN SCHLUMBERG