

- W E G E -
WESTERN GEO-ENGINEERS

REGISTERED GEOLOGISTS

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MAY 11 1980

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LITHOLOGIC LOG

REPLY TO:

<u>LITHOLOGY</u>	<u>DEPTH</u>	<u>SURVEYS, TESTS ETC.</u>
SS, LT-MD GRY	435'	TR FLUOR IN CUTTINGS @ 315'
COAL, SND & CLAY	435' - 459'	5% ORANGE PARAFFINS
SAND, CLAY, SLTSTN	459' - 541'	
COAL	541' - 549'	TR YEL FLUOR IN CUTTINGS
CLAY, MD GRY	549' - 603'	
COALW/SS INTERBEDDED	603' - 658'	SET 9 5/8" CASING @ 652'
COAL W/SLTSTN	658' - 750'	
SS, LT GRY	750' - 840'	780' - 4°30', SLOUGHING SHALE
SHALE/SLTSTN	840' - 880'	7°0' - 800', TORQUE 812' - 814'
SLTSTN/SS	880' - 925'	4°30' @ 885', 4°15' @ 920'
SLTSTN, SNDY	925' - 1090'	4° @ 1014', 5° @ 1078'
SLSTN/SHALE	1090' - 1260'	4°30' @ 1162', 1225' 4°00'
SHALE, MD GRY	1260' - 1290'	PACKED OFF, 240U 100%01
SHALE, MD GRY/SD STRI- NGERS	1290' - 2060'	3°30' @ 1351', 3°15' @ 1540', 2°30' @ 1790', PACK OFF @ 1832' 3°00' @ 1880', TR FLUOR @ 1890' -1910' IN CUTTINGS, 3°00' @ 2009'
SHALEW/LIMESTN	2060' - 2080'	TR FLUOR STAIN
CLAY/SND	2080' - 2230'	2°15' @ 2101', 2°30' @ 2198'
SHALE/LIMESTN	2230' - 2263'	PACKED OFF DURING TRIP
SHALE, DK GRY	2263' - 2335'	2°45' @ 2300'
CLAY W/LIMESTN & SS LENSES	2335' - 2667'	3°05' @ 2362', 3° @ 2455', 3° @ 2518', 3° @ 2581'
CLAY/SND, SLTY	2667' - 2731'	2°30' @ 2708'
LIMESTN/DOLOMITE	2731' - 2740'	
CLAY/SND	2740' - 2927'	2°15' @ 2927'
SHALE/CLAY, BENTONITIC	2927' - 3117'	RUN SCHLUMBERGER LOGS