

## DRILL HOLE LOG

Drill Hole No. MH-21 (R)

Bearing: N26E Inclination: 45N

Coordinates: North 629,489.77 East 1,449,208.47

Elevation: 1162.62

Date: started November 3, 1977

Drilled By: Boyles Brothers, Ralph Jex

Logged By: Bruce Templeton

Total Depth: 101'

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>	
0	4	0		NONE			Set standpipe, white to buff altered shale
4	10	75*		4-10			Grey shale or claystone with maroon overtones altering to buff color.
10	15	75		10-15			As above.
15	25	75		15-25			Light to medium grey shale or claystone altering to clays minor clastics.
25	30	75		25-30			As above, 10-20% clastics.
30	35	75		30-35			Medium grey shale or claystone altering to grey-green, minor clastics.
35	40	75		35-40			As above, trace pyrite. Rock becoming less altered (more competent).
40	45	75					Medium grey shale or claystone, minor clastics.
45	50	75		45-50			As above, cuttings becoming more clayey, 5% clastics.
50	55	75		50-55			As above, 5-10% round-subround clastics.
55	60	75		55-60			Medium to dark grey shale or siltstone, approx. 2' zone of dark buff to grey sandy material, 10% clastics, cuttings becoming moist (cohesive).
60	101	62.5	55386	1,449,239.78		1091.20	

\*Recoveries approximate based on relative quantities of cuttings gathered by sampling apparatus.  
About 25% is lost as dust.

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FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
60	65	50		60-65				Dark grey to black moist shale or claystone, 15% clastics (primarily angular quartz) increasing in size up to 2mm, 1% fine pyrite.
65	70	50		65-70				As above, less quartz in clastics, minor pyrite.
70	75	50		70-75				Dark grey to black shale, possible quartz veinlets, 10-15% subangular clastics, 1% pyrite.
75	80	75		75-80				Dark grey to black shale or claystone, less than 5% clastics, trace pyrite. Occasional 2-3mm nodule partially replaced by barite (?). Some nodules muddy, others firm. Cuttings nearly dry.
80	85	75		80-85				Sooty black claystone or shale, less than 5% clastics, trace pyrite. Possible soft nodules. Cuttings nearly dry.
85	90	75	1	85-90		6.9%		Dense dark grey to black claystone or shale. Possible minor barite replacement. Trace pyrite.

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[illegible]