

Drill Hole No. MH-71

Date: \_\_\_\_\_

Bearing: N.26°E. Inclination: 65°N.

Drilled By: Boyles Brother

Coordinates: North 625,956.72 East 1,457,044.63

Logged By: Ferryl Gale

Elevation: 923.99

Total Depth: 460.0'

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BeSO <sub>4</sub>		
				Tro-Pari Survey				
				Bearing	Dip			
			Surface	N.26°E.	65°N.			
			100.0	N.25°E.	65°N.			
			200.0	N.28°E.	63°N.			
			300.0	N.26°E.	63°N.			
			400.0	N.23°E.	55°N.			
			460.0	N.20°E.	53°N.			
				Total Depth 460.0'				
0.0	10.0							Rock bit to set casing, highly weathered tan shales
10.0	20.0							Tan to buff color shales.
20.0	32.0							Black shales, locally bleached and leached to tan.
32.0	44.0							Interbedded gray and black shales.
44.0	56.0							Interbedded black shale and gray sandstone.
56.0	68.0							Light gray sandstone with limonite staining in fractures.
68.0	80.0							Interbedded sandstone and shales.
80.0	92.0							Gray sandstone, high R.Q.D.
92.0	105.0							As above.
105.0	120.0							Sandstone with lamina of black shales.

## DRILL HOLE LOG

Drill Hole No. MH-71

Date: \_\_\_\_\_

Bearing: \_\_\_\_\_ Inclination: \_\_\_\_\_

Drilled By: \_\_\_\_\_

Coordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: \_\_\_\_\_

Elevation: \_\_\_\_\_

Total Depth: \_\_\_\_\_

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
120.0	132.0							As above.
132.0	144.0							Sandstone with wisps of black shales.
144.0	156.0							Sandstone as before
156.0	168.0							Gray sandstone, with high R.Q.D.
168.0	180.0							Interbedded black shale and gray sandstone.
180.0	193.0							Light gray sandstone, with high R.Q.D.
193.0	205.0							Sandstone with occasional laminated black shale.
205.0	219.0							Interbedded black shale and gray sandstone, abundant
								veinlets of quartz and calcite.
219.0	232.0							Sandstone as above.
232.0	244.0							Gray Sandstone.
244.0	256.0							Interbedded gray sandstone black sandstone, very
								competent, high R.Q.D.
256.0	268.0							Sandstone as above.
268.0	280.0							Sandstone as above.
280.0	294.0							Light gray sandstone.
294.0	308.0							Sandstone as above.
308.0	320.0							Sandstone with wisps of black shale.
320.0	332.0							Sandstone as above.
332.0	346.0							Interbedded black shale and gray sandstone.

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Coordinates: North \_\_\_\_\_ East \_\_\_\_\_

Logged By: \_\_\_\_\_

Elevation: \_\_\_\_\_

Total Depth: \_\_\_\_\_

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BoSO <sub>4</sub>		
346.0	358.0							As above.
358.0	370.0							Sandstone with wisps of black shale, high R.Q.D.
370.0	383.0							As above.
383.0	395.0							Interbedded black shale and gray shale.
395.0	406.4							As above.
406.4	409.1		7412		3.350	45.97		Barite zone, medium grade nodular barite in black
								shale.
409.1	414.2		7413		3.447	52.04		Barite zone, medium grade, nodular barite in black
								shale.
414.2	419.2							Black shale
419.2	419.8		7414		3.885	75.66		Barite zone, high grade massive barite.
419.8	422.5							Black shale.
422.5	426.0		7415		3.867	74.80		Barite zone, high grade massive barite.
426.0	430.0		7416		3.351	46.03		Barite zone, medium grade nodular barite.
430.0	436.0		7417		3.279	40.96		Barite zone, low to medium grade, nodular barite.
436.0	442.0		7418		3.462	52.94		Barite zone, medium grade nodular barite
442.0	446.0		7419		3.185	35.01		Barite zone, low grade nodular barite.
446.0	450.0		7420		3.001	20.89		Barite zone low grade nodular barite.
450.0	459.0							Black shale
459.0	460.0							Arkansas Novaculite

Hole bottomed on Novaculite

Total depth 460.0 ft.

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>	
MH-71						
7412		406.4-409.1	2.7	3.350	45.97	44.97
7413		409.1-414.2	5.1	3.447	52.04	
		414.2-419.2	5.0	2.761	0.00	
7414		419.2-419.8	0.6	3.885	75.66	7.48
		419.8-422.5	2.7	2.761	0.00	
7415		422.5-426	3.5	3.867	74.80	
7416		426-430	4.0	3.351	46.03	
7417		430-436	6.0	3.279	40.96	49.68
7418		436-442	6.0	3.462	52.94	
7419		442-446	4.0	3.185	35.01	
7420		446-450	4.0	3.001	20.89	20.89
		Total	43.6			
		Weighted Average		3.264	40.32	

## Barite Intervals for MH-71

<u>Sample</u>	<u>Footage</u>	<u>%BaSO<sub>4</sub></u>	<u>Specific Gravity</u>
7412	406.4-409.0		
7413	409.1-414.2		
7414	419.2-419.8		
7415	422.5-426.0		
7416	426.0-430.0		
7417	430.0-436.0		
7418	436.0-442.0		
7419	442.0-446.0		
7420	446.0-450.5		