

Drill Hole No. MH-47  
 Bearing: N.35°E. Inclination: 72°N.  
 Coordinates: North 626,115.0 East 1,457,233.0  
 Elevation: 947.10

Date: July, 1978  
 Drilled By: Boyles Bro. Ralph Jex and Ricky Deaton  
 Logged By: Ferryl C. Gale  
 Total Depth: 233.0'

DEPTH		%	SAMPLE	SAMPLE	ANALYSES		DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>	
				Acid survey down Hole			
				Dip	Bearing		
			Surface	72°N.	N.35°E.		
			110.0'	70°N.	N.35°E.		
			165.0'	71°N.	N.35°E.		
			233.0'	71°N.	N.35°E.		
			Total Depth 233.0'				
			On June 13, 1979 Ferryl Gale had Roy D. Wisner			survey this hole with the Eastman Survey	
			Camera. The results are as follows:				
				Bearing	Dip		
			Surface	N.34°E.	75°N.		
			100.0'	N.38°E.	73°15'N.		
			210.0'	N.32°30'E.	71°N.		
0.0	10.0						Set casing, no core recovery
10.0	22.5						Sandstone, highly weathered tan in color.
22.5	24.5						Gray sandstone, locally highly weathered.
24.5	36.0						Interbedded black shales and gray sandstone, locally
							highly leached and weathered to tan shales. Highly
							fractured locally.

Drill Hole No. 47

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>		
36.0	48.0							Gray sandstone, well cemented, high R.Q.D. heavy limonite staining in fractures.
48.0	60.0							Sandstone as above.
60.0	73.0							Light gray sandstone with lamina of black shale, bedding dip at 70.0 ft. is 73°S.
73.0	85.0							Light gray sandstone, well cemented, high R.Q.D.
85.0	97.0							Sandstone as above with black shale lamina locally.
97.0	110.0							Sandstone as above.
110.0	122.0							Sandstone as above
123.0	135.0							Light gray sandstone, well cemented high R.Q.D.
135.0	147.0							Sandstone as above.
147.0	160.2							Sandstone with wisps of black shales.
160.2	163.6		7646		3.554	58.35		Barite zone, medium to high grade barite, numerous nodules to massive to heavy laminated, in black shales.
163.6	165.7							Black shales.
165.7	166.7		7647		3.144	31.84		Barite zone, low grade nodular barite in black shale.
166.7	168.0							Black shale, no visual observation of barite.
168.0	169.4		7648		3.285	41.70		Barite zone, medium grade barite, nodular barite.
169.4	173.2							Black shale no barite.
173.2	174.8		7649		3.368	47.12		Barite zone, medium grade nodular barite.

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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>		
174.8	178.6							Black shale.
178.6	185.9		7650		3.585	60.10		Barite zone, high grade massive to numerous nodules.
185.9	192.2		7657		3.345	45.65		Barite zone, medium grade numerous nodules in
								black shale.
192.0	197.1		7201		3.307	43.16		Barite zone, medium grade numerous nodules.
197.1	202.3		7202		3.165	33.36		Barite zone, low grade scattered nodules.
202.3	208.3		7203		3.270	40.69		Barite zone, medium grade barite, numerous nodules
								of barite in black shale.
208.3	216.0		7204		3.236	38.37		Barite zone, medium grade barite, as above.
216.0	219.9		7205		3.340	45.32		Barite zone, medium grade barite, numerous nodules.
219.9	226.0		7206		2.949	16.65		Barite zone, low grade scattered random barite nodules
								in black shales.
226.0	232.0							Black shale interbedded with lamina of gray siltstone.
								Highly fractured and broken. Abundant marcasite at
								contact.
232.0	233.0							Arkansas Novaculite.
								Hole bottomed on Novaculite - Total Depth 233.0 ft.

## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO <sub>4</sub>
MH-47					
#1	7201	192.2-197.1	4.9	3.307	43.16
#2	7202	197.1-202.3	5.2	3.165	33.36
#3	7203	202.3-208.3	6.0	3.270	40.69
#4	7204	208.3-216	7.7	3.236	38.37
#5	7205	216-219.9	3.9	3.340	45.32
#6	7206	219.9-226	6.1	2.949	16.65
#7	7646	160.2-163.6	3.4	3.554	58.35
-	-	163.6-165.7	2.1	2.761	0.00
#8	7647	165.7-166.7	1.0	3.144	31.84
-	-	166.7-168	1.3	2.761	0.00
#9	7648	168-169.4	1.4	3.285	41.70
-	-	169.4-173.2	3.8	2.761	0.00
#10	7649	173.2-174.8	1.6	3.368	47.12
-	-	174.8-178.6	3.8	2.761	0.00
#11	7650	178.6-185.9	7.3	3.585	60.10
#12	7657	185.9-192.2	6.3	3.345	45.65
		Total	65.80		
COMPOSITE		CALCULATED		3.207	36.38