

## DRILL HOLE RECORD

 Drill Hole No.: MH-67 Inclination: \_\_\_\_\_

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

Property: \_\_\_\_\_

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

Co-ordinates: North \_\_\_\_\_ East \_\_\_\_\_

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

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

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO <sub>4</sub>	Cond.	
104.0	123.0						Sandstone as before, 104.0-114.0 80 ft. core loss. Bedding dip at 117.0 is 75°S.
123.0	134.0						Sandstone as before, moderately fractured.
134.0	146.0						Interbedded sandstone and shale lamina.
146.0	159.0						Interbedded sandstone and shale, 147.0 - 150.0
							qtz. veinlets, bedding dip at 151.0 is 89°S.
159.0	170.0						Sandstone with shale lamina.
170.0	181.0						Black shale with sandstone lamina, abundant pyrite in shale. Bedding dip 119.0 is 88°S.
181.0	192.0						Shaley sandstone, locally sandstone, bedded. Bedding dip at 196.0 ft. is 78°N.
192.0	203.0						Sandstone competent, small shale zone 192.0-193.0 bedding dip at 196.0 ft. is 78°N.
203.0	214.0						Sandstone as before, moderately broken.
214.0	225.0						Sandstone as above. Bedding dip at 218.0 ft is 80°N
225.0	235.0						Sandstone, occasional qtz. veinlets.
235.0	247.0						Sandstone, bedding dip at 238.0 is 89°S.
247.0	258.0						Sandstone, scattered qtz. veinlets and occasional black shale lamina.
258.0	269.0						Sandstone, occasional lamina of black shale, bedding dip at 264.0 ft. is 84°S.

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

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

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	Ba504	Cond.	
269.0	280.0						Sandstone occasional lamina of black shale, bedding dip at 264.0 ft. is 84°S.
280.0	292.0						Sandstone numerous qtz. and calcite veinlets.
292.0	302.0						Interbedded black shale and sandstone. Scattered qtz. and calcite veinlets.
302.0	313.0						Sandstone, high R.Q.D.
313.0	324.0						Sandstone as above, 323.0-324.0 qtz. and calcite fracture fillings brecciated.
324.0	334.0						Sandstone occasional qtz. and calcite veinlets. Bedding dip 328.0 is 75°S.
334.0	346.0						Black shale, numerous calcite veinlets, bedding dip at 344.6 ft. is 78°S.
346.0	357.0						Sandstone, high R.Q.D.
357.0	368.0						Sandstone as above. Bedding dip at 359.0 ft. is 82°S.
368.0	379.0						Sandstone as before, high R.Q.D.
379.0	390.0						Sandstone as before, high R.Q.D.
390.0	401.0						Sandstone as before, high R.Q.D.
401.0	412.0						Sandstone, black shale lamina. Bedding dip at 409.0 is 78°S.

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Co-ordinates: North \_\_\_\_\_ East \_\_\_\_\_

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

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

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

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO <sub>4</sub>	Cond.	
412.0	423.0						As above, bedding dip at 418.0 ft. is 77° S.
423.0	434.0						Sandstone locally wisps of black shale. Bedding di
							at 430.0 ft. is 80° S.
434.0	437.7						Dark gray shaley sandstone.
437.0	444.0		7309				Barite zone, medium grade, approx. 40% BaSO <sub>4</sub> ,
							angular nodules of barite in dark gray shales.
							Laminated, bedding dip at 439.0 ft. is 83° S.
444.0	447.5		7310				Barite zone, as above. Bedding dip at 445.0 is 80° S
447.0	452.5		7311				Barite zone, low grade.
452.0	456.6		7312				Barite zone, low grade, 10% BaSO <sub>4</sub> scattered nodules
456.6	461.8						Barite zone, low grade.
461.8	467.0						Black shale, bedding dip at 462.0 ft. is 77° S.
467.0	478.0						Interbedded gray and black shales at 472.0 ft.
							is 82 S.
478.0	484.6						Shales as above, bedding dip at 482.0 fts. is 80° S.
484.6	491.0						Light gray fine grained sandstone.
491.0	495.0						Sandstone as above.
495.0	499.0						Arkansas Novaculite, at the contract between the
							sandstone and novaculite is gradational by nature.
Total Depth 499.0							Gives the appearance that the novaculite is recemented
Bottomed on Novaculite							sandstone. In fractures of novaculite a graphitic
							mineral which has metallic luster.

## FANCY HILL - DIAMOND DRILL HOLES - PHASE I

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-67					
7309		437.7-444	6.3	3.485	54.32
7310		444-447.5	3.5	3.379	47.82
7311		447.5-452.5	5.0	3.228	37.82
7312		452.5-456.6	4.1	2.880	10.78
7313		456.6-461.8	5.2	2.887	11.38
			—		
		Total	24.1	—	—
		Weighted Average		3.184	34.75
Bottom hole core to 441.5'					
				1,454, 154.52	668.26

## Barite Intervals for MH-67

<u>Sample</u>	<u>Footage</u>	<u>%BaSO<sub>4</sub></u>	<u>Specific Gravity</u>
7309	437.7-444.0		
7310	444.0-447.5		
7311	447.5-452.5		
7312	452.5-456.6		
7313	456.6-461.8		