

Drill Hole No. MH-42

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

Bearing: N24½E Inclination: 45°N

Drilled By: Boyles Bro. Ralph Jex

Coordinates: North 627,608.01 East 1,453,497.10

Logged By: Ferryl C. Gale

Elevation: 1012.30

Total Depth: T.D. 284.0'

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
0.0	2.0							Set casing, no sample recovery.
2.0	15.0							Lt. gray, fine grained sandstone, some fractures are filled w/ limonite staining moderately fractured.
15.0	24.5							As above plus occasional wisps of black shale. At 17.0' bedding dip 85°S.
24.5	36.6							As above, moderately fractured, occasional lens of black shale. Bedding dip 85°S.
								Slicken side 30.5 minor movement along bedding.
36.6	46.8							As above, bedding dip 89°N.
46.8	57.6							Lithology as above, no limonite staining in fractures. Bedding dip 85°N. at 48.5'.
								Very competent sandstone several pieces of over 2.0' long.
57.6	68.0							Sandstone as above, numerous wisps of black shale & lamina. Bedding dip 83°N. at 59'.
68.0	78.9							Lt. gray sandstone, very competent.
78.9	91.8							Sandstone as above, (highly broken 81.5-91.5 & sheared) qtz stringer at 85.8-86.0

Bedding dip 89' is 88°N.

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

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

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

DEPTH		% RECOVERY	SAMPLE NUMBER	SAMPLE INTERVAL	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO				Sp. Gr.	BaSO <sub>4</sub>		
91.8	101.0							Sandstone as above, occasional qtz veinlets. Highly broken & fractured. Bedding dip 89°S at 97.0'.
101.0	112.0							Interbedded gray sandstone & black shale lenses. Bedding dip at 86°N at 114.0'.
112.0	123.6							Lithology as above, bedding dip at 120.0' is 88°N.
123.6	135.0							Lt. gray sandstone, occasional wisps of black shale, Bedding dip at 130.0 is 88°N.
135.0	146.4							Sandstone, very competent.
146.4	157.0							Interbedded gray & black shale & gray sandstone, bedding dip 88°S. at 152.0'.
157.0	167.7							Sandstone, very competent, several pieces over 2.0' long. occasional wisps of black shale. 87°S bedding dip.
167.7	178.9							Sandstone, very competent.
178.9	189.1							Sandstone as above, occasional wisps of black shale, 185.0-186.0 qtz stringer. Bedding dip 182.0' is 89°N.
189.1	201.5							Interbedded gray sandstone & black shale. Bedding dip 75°S. at 200'.

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

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

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

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
201.5	212.5							Dark gray sandstone. Bedding dip at 210.0' is 87°S. scattered qtz stringers.
212.5	224.0							Dark gray sandstone. bedding dip 86°S. 215'.
224.0	228.0							Dark gray to black sandstone.
228.0	231.0		FCG-9	3.0'				Barite zone, low grade, approx 10% BaSO <sub>4</sub> , gray shale host rock w/ silicious cement.
231.0	235.0		FCG-10	4.0'				Barite zone, low grade, approx 20% BaSO <sub>4</sub> scattered angular nodules of Barite.
235.0	238.6		FCG11	3.6'				Barite zone, med. grade, approx 40%, very fine grained particles of barite.
238.9	242.1		FCG12	3.5'				Barite zone, med grade approx 50% BaSO <sub>4</sub> , locally has a massive appearance w/ scattered nodules in gray shale. Bedding dip at 240' is 80°S.
242.1	246.0		FCG13	3.9'				Barite zone, med grade, approx 50% BaSO <sub>4</sub> , has banded appearance w/ elongated barite nodules oriented w/ bedding. Bedding dip at 244.0' is 68°S.
246.0	249.8		FCG14	3.8'				Barite zone, med grade, approx 40% BaSO <sub>4</sub> , random orientation of Barite nodules,

Drill Hole No. ME-42

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

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

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

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

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

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
								nodules are angular in shape. Bedding dip at 248' is 84°S.
249.8	253.3		FCG15					Barite zone, med grade, approx 40% BaSO <sub>4</sub> . random oriented nodules in gray shale, sil- icious cement
253.3	257.0		FCG16	3.7'				Barite zone, low grade, approx 10% BaSO <sub>4</sub> . scattered barite nodules in gray & black shales.
257.0	260.7		FCG17	3.7'				Barite zone, low, low grade, approx 5%, very very scattered barite nodules.
260.7	263.6		FCG18	2.9'				Barite zone as above, very low grade, approx 5% BaSO <sub>4</sub> .
263.6	266.4		FCG19	2.2'				Barite zone, low grade 5% BasO <sub>4</sub> .
266.4	268.0							Dark gray shale w/ lamina of black shales.
268.0	279.0							Interbedded gray & black shales. well cemented
								Bedding dip at 270' is 84°S.
279.0	283.5							Same as above, Bedding dip at 281.5' is 78°S.
283.5	284.0							Arkansas Novaculite.
								Bottom on Arkansas Novaculite.

# DRILL HOLE LOG

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

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

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

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

[illegible]

Bottom Hole co-ords 627, 732.57 1,453, 532.18

822.19

10/77



## 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-42					
#1	FCG 9	228-231	3.0	3.704	66.58
#2	FCG10	231-235	4.0	4.043	82.93
#3	FCG11	235-238.6	3.6	4.097	85.29
#4	FCG12	238.6-242.1	3.5	3.987	80.42
#5	FCG13	242.1-246	3.9	3.839	73.44
#6	FCG14	246-249.8	3.8	3.564	58.92
#7	FCG15	249.8-253.3	3.5	3.110	29.33
#8	FCG16	253.3-257	3.7	2.984	19.52
#9	FCG17	257-260.7	3.7	2.872	10.08
#10	FCG18	260.7-263.6	2.9	2.848	7.96
-	-	263.6-264.4	0.8	2.761	0.00
#11	FCG19	264.4-266.4	2.0	2.815	4.98
		TOTAL 37.60			
COMPOSITE		CALCULATED		3.468	53.28