

Drill Hole No. 136 Fancy Hill  
 Bearing: N.15°E. Inclination: 63°N.  
 Coordinates: North 626,125.41 East 1,456,900.84  
 Elevation: 930.10

Date: August, 1979 (Drilled)  
 Drilled By: Boyles Bro. (Ricky Deaton, Jr. Miller)  
 Logged By: Ferryl C. Gale  
 Total Depth: 355.0 ft.

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO <sub>4</sub>		
					Eastman Camera Survey			
					Bearing			Dip
				Surface	N.15°E.			63°N.
				95.0	N.14°30'E.			58°N.
				195.0	N.15°E.			52°30'N.
				295.0	N.16°45'E.			49°N.
				345.0	N.14°30'E.			46°45'N.
				355.0	N.14°30'E.			46°45'N.
0.0	10.0							Set casing with bevel wall bit to 10.0 ft. 8.0 ft. core loss highly weathered sandstone brownish gray in color
10.0	26.0							Interbedded light gray sandstones and black shales. Highly broken. Limonite staining in fractures.
26.0	41.0							Sandstone as above, very competent, high R.Q.D. Occasional lamina of black shale. Bedding dip at 31.5 is 76°S.
41.0	56.0							Light gray fine grained sandstone, well cemented, minute black shale competent, high R.Q.D.
56.0	62.5							Sandstone as above
62.5	69.0							Interbedded black shales and gray sandstone.
69.0	77.0							Light gray sandstone.
77.0	82.0							Interbedded shale and sandstone lamina,

Drill Hole No. MH-136

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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>		
82.0	87.0							Light gray sandstone.
87.0	102.0							Sandstone with lamina of black shale. Bedding dip at 95.0 ft. is 68°S.
102.0	117.0							Sandstone with lamina of black shales.
117.0	131.0							Interbedded light and dark gray sandstone.
131.0	146.0							Sandstone wisps of black shale 141.0 - 144.0
146.0	160.0							Interbedded sandstone and black shaley sandstone.
								high R.Q.D.
160.0	175.0							Light gray sandstone, high R.Q.D.
175.0	190.0							As above.
190.0	204.0							Sandstone occasional lamina of black shale. Bedding dip at 195.0 is 76°S.
204.0	219.0							Interbedded black shale and gray sandstone, abundant veinlets of quartz and calcite.
219.0	234.0							Dominately sandstone, black shale lens 219.0 - 220.5 marcasite bleb taken for sulphur isotope study
234.0	248.0							Gray sandstone, abundant quartz and calcite veinlets
								236.5-238.5
248.0	253.0							Interbedded black shales and gray sandstone.
253.0	263.0							Gray sandstone, very competent high R.Q.D.

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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>		
263.0	271.0							Sandstone as above.
271.0	278.4							Sandstone as above.
278.4	281.2		9568		3.02	22.4		Barite zone, black shale with scattered nodules, low grade.
281.2	294.0							Light gray sandstone, locally dark gray to black.
294.0	294.8		9569		2.90	12.5		Barite zone same as 278.4 - 281.2 Bedding dip at 295.0 is 83°S.
294.8	299.1							Light gray sandstone.
299.1	303.3		9570		3.53	57.0		Barite zone, high grade, massive but has the appearance of replacing the sandstone, has a sandstone texture locally.
303.3	307.1		9571		3.36	46.6		Barite zone, bedding dip at 304.0 is 81°S. medium grade.
307.1	310.8		9572		3.32	44.0		Barite zone, medium grade, has calcite tied up with the barite.
310.8	315.0		9573		3.28	41.4		Barite zone, medium grade well formed nodules
315.0	318.7		9574		3.29	42.0		Barite zone, medium grade well formed nodules
318.7	322.5		9575		3.39	48.5		Barite zone, medium nodules to massive barite.
322.5	326.3		9576		3.26	40.0		Barite zone, medium grade
326.3	330.0		9577		3.49	54.6		Barite zone, massive barite.

# DRILL HOLE LOG

Drill Hole No. MH-136

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

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

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

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

[illegible]

FANCY HILL DIAMOND DRILL HOLES  
INDIVIDUAL CORE ANALYSIS BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-136					
9568		278.4	- 281.2		
9569		294.0	- 294.8		
9570		299.1	- 303.3		
9571		303.3	- 307.1		
9572		307.1	- 310.8		
9573		310.8	- 315.0		
9574		315.0	- 318.7		
9575		318.7	- 322.5		
9576		322.5	- 326.3		
9577		326.3	- 330.0		
9578		330.0	- 333.5		
9579		333.5	- 337.2		
9580		337.2	- 340.9		
9581		340.9	- 344.6		
9582		344.6	- 348.3		
9583		348.3	- 352.0		
9584		352.0	- 353.5		

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MH-136					
9568		278.4	- 281.2		
9569		294.0	- 294.8		
9570		299.1	- 303.3		
9571		303.3	- 307.1		
9572		307.1	- 310.8		
9573		310.8	- 315.0		
9574		315.0	- 318.7		
9575		318.7	- 322.5		
9576		322.5	- 326.3		
9577		326.3	- 330.0		
9578		330.0	- 333.5		
9579		333.5	- 337.2		
9580		337.2	- 340.9		
9581		340.9	- 344.6		
9582		344.6	- 348.3		
9583		348.3	- 352.0		
9584		352.0	- 353.5		



## FANCY HILL - DIAMOND DRILL HOLES - PHASE II

INDIVIDUAL CORE ANALYSES BY INTERVALS

SAMPLE	LOG #	DEPTH	INTERVAL	SPECIFIC GRAVITY	% BaSO <sub>4</sub>
MH-136					
9568		278.4-281.2	2.8	3.02	22.4
9569		294.0-294.8	0.8	2.90	12.5
		294.8-299.1	4.3	2.69	0.00
9570		299.1-303.3	4.2	3.53	57.0
9571		303.3-307.1	3.8	3.36	46.6
9572		307.1-310.8	3.7	3.32	44.0
9573		310.8-315.0	4.2	3.28	41.4
9574		315.0-318.7	3.7	3.29	42.0
9575		318.7-322.5	3.8	3.39	48.5
9576		322.5-326.3	3.8	3.26	40.0
9577		326.3-330.0	3.7	3.49	54.6
9578		330.0-333.5	3.5	2.96	17.6
9579		333.5-337.2	3.7	3.42	50.4
9580		337.2-340.9	3.7	3.48	54.0
9581		340.9-344.6	3.7	3.30	42.7
9582		344.6-348.3	3.7	3.02	22.4
9583		348.3-352.0	3.7	2.84	7.2
9584		352.0-353.5	<u>1.5</u>	<u>2.76</u>	<u>0.00</u>
			62.3	3.22	37.29