

Drill Hole No. MH-93 Fancy Hill

Date: May 4, 1979

Bearing: N. 16° E. Inclination: 20° N.

Drilled By: Boyles Brothers (Ricky Deaton and Jr. Miller

Coordinates: North 627,182.17 East 1,454,339.33

Logged By: Ferryl C. Gale

Elevation: 1047.54

Total Depth: 243.0' BX Core

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. 16° E.			20° N.
				50'	N. 15° 30' E.			21° N.
				140'	N. 10° 30' E.			21° N.
				240'	N. 18° 30' E.			22° 30' N.
			T.D.	243'	N. 18° 30' E.			22° 30' N.
0.0	6.0							Set casing, rotary rock bit, no sample recovery
6.0	31.0							Highly weathered tan sandstone, highly broken 30.0 - 40.0' - 8.0' core loss.
31.0	43.0							Light gray sandstone with occasional lamina of black shale.
43.0	46.0							As above
46.0	50.0							Highly leached tan sandstone leached by ground water.
50.0	59.0							Light gray sandstone with black shale lamina, bedding dip at 51.0' is 77° N.
59.0	87.0							Sandstone as above, high R.Q.D. locally. Had mismatch between 70.0' ground up 5.0 ft. core.
87.0	101.0							Sandstone as above, highly broken and sheared.

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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>		
101.0	117.0							Sandstone as above, 102.0 - 103.0 slickensides Fault direction parallel with hole N.12°E. Core highly broken
117.0	135.0							Sandstone with occasional black shale lamina, highly broken.
135.0	151.0							Light gray sandstone with wisps of black shale, locally high broken, bedding dip at 150.0 is 70°N.
151.0	166.0							Sandstone as above, broken locally
166.0	182.0							Dominately sandstone, with occasional black shale lamina. Highly broken core.
182.0	197.0							As above, highly broken
197.0	199.5							Sandstone and black shales.
199.5	207.0		9862		3.377	47.7		Barite zone, medium grade barite, numerous nodules barite in black shales.
207.0	211.9		9863		3.123	30.3		Barite zone, low grade, scattered nodules in black shale.
211.9	217.0		9864		3.056	25.2		Barite zone, low grade, scattered nodules in gray shales,
217.0	222.0		9865		2.898	12.3		Barite zone, very low grade, scattered nodules in gray shales.
222.0	224.0		9866		2.859	8.9		Barite zone, very low grade scattered nodules in gray shales, abundant calcite.
224.0	227.2		9867		2.814	4.9		Barite zone, occasional barite, nodules in gray shales.

## DRILL HOLE LOG

Drill Hole No. MH-93

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

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

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

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>
<u>#93</u>					
9862		199.5-207.0	7.5	3.377	47.7
9863		207.0-211.9	4.9	3.123	30.3
9864		211.9-217.0	5.1	3.056	25.2
9865		217.0-222.0	5.0	2.898	12.3
9866		222.0-224.0	2.0	2.859	8.9
9867		224.0-227.2	3.2	2.814	4.9
		TOTAL	<u>27.7</u>	<u>          </u>	<u>          </u>
		WEIGHTED AVERAGE		3.084	27.37

# Barite Intervals for MH-93

<u>Sample No.</u>	<u>Footage</u>	<u>%BaSO4</u>	<u>Specific Gravity</u>
9862	199.5-207.0		
9863	207.0-211.9		
9864	211.9-217.0		
9865	217.0-222.0		
9866	222.0-224.0		
9867	224.0-227.2		