

Drill Hole No. MH-105

Date: _____

Bearing: N 15° E Inclination: 52° N

Drilled By: Boyles Bro. Bob Kesty

Coordinates: North 626,803.87 East 1,455,274.96

Logged By: Ferryll C. Gale

Elevation: 1006.00

Total Depth: T.D. 336.0

DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
0.0	10.0							Set casing, no sample recovery.
10.0	16.0							Gray interbedded sandstone & shale, locally highly weathered & bleached, oxidized, locally gouge (3.0' core loss)
16.0	28.2							Interbedded sandstone & shale. Sandstone has been highly leached to tan color, very punky, heavy limonite staining in fractures, gouge (4.0' ft core loss).
28.2	38.7							Lt. gray sandstone, highly broken, occasional wisps of black shale. Sandstone moderately cemented. Bedding dip at 33.0' is 75° S.
38.7	51.0							Sandstone as above, occasional qtz veinlets. 45.0-47.0 highly broken, fault & fractured) 50.0-51.0 highly broken fault & fractured, core loss 1.7').
51.0	64.0							Sandstone as before, occasional lenses of black shale. Bedding dip at 63' is 73° S. (52.0-52.5 highly broken fault) 56.5-59.0 highly broken fault) (60.5-62.0 highly broken fault).

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DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
64.0	74.8							Sandstone as above, locally highly broken, sandstone well cemented locally. Shale lens 73.0-74.8. Bedding dip at 74.0 is 73°S.
74.8	87.0							interbedded black shale lenses & gray sandstone, w/ occasional qtz veinlets, highly broken. (1.5' core loss)
87.0	98.2							Lithology as above, (89.0-93.0 highly broken & sheared fault zone) (95.0-96.0 highly broken & sheared) Bedding dip at 97.0 is 72°S.
98.2	108.5							Lithology as above, highly broken. Bedding dip at 102.5 is 78°S.
108.5	120.0							As above, (locally highly broken 117.0-110.0)
120.0	131.2							Sandstone, very competent. Bedding dip at 122.5 is 89°S.
131.2	141.8							Sandstone as above, numerous wisps of black shale. Bedding dip at 132.0 is 86°S.
141.8	153.1							As above, bedding dip at 152.0 is 75°S.
153.1	164.0							As above, (153.0-155.0 highly broken & sheared) Bedding dip 163' is 87°S.

DRILL HOLE LOG

Drill Hole No. WH-105

Date: _____

Bearing: _____ Inclination: _____

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 ₄		
164.0	174.0							Sandstone, darker gray in color. Bedding dip at 169.0 is 89°S.
174.0	184.7							As above, well cemented.
184.7	195.8							Sandstone as before (194.0 strong qtz stringer, Bedding dip at 189.0 is 87°S.
195.8	206.6							Sandstone w/ wisps of black shale, Bedding dip at 121.0 is 89°N.
206.6	212.0							Sandstone as before. Bedding dip at 212.0 is 86°S.
212.0	219.8							Black shale lens. Bedding dip at 216.0 is 86°N. Abundant blebs of marcasite.
219.8	225.2							Black shale as above.
225.2	229.2							Lt. gray sandstone, well cemented.
229.2	242.1							Sandstone as before, Bedding dip at 235.0 is 86°N.
242.1	252.0							Sandstone as before, (numerous qtz stringers 244.0-246.0 also brecciated)
252.0	252.8		2923	0.8'				Barite zone, low grade, approx 20% BaSO ₄ , sparsely scattered barite nodules in gray shales.

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DEPTH		%	SAMPLE	SAMPLE	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO	RECOVERY	NUMBER	INTERVAL	Sp. Gr.	BaSO ₄		
252.8	258.0							Interbedded black shale & gray sandstone lamina, gnarled bedding locally. Bedding dip at 253 is 80°S.
258.0	260.3		2924	4.3'				Barite zone, low grade, approx 10% BaSO ₄ scattered nodular lamina of barite in gray shale.
260.3	262.8		2925	2.5'				Barite zone, low grade, 20% BaSO ₄ .
262.8	265.0							Interbedded black shale & gray sandstone lamina, gnarled bedding.
265.0	267.7		2926	2.7'				Barite zone, low grade approx 20% BaSO ₄ , small nodules of barite scattered in gray shale.
267.7	271.4		2927	3.7'				Barite zone, low grade approx 20% BaSO ₄ , small nodules of barite scattered in gray shales.
271.4	275.4		2928	4.0'				Barite zone, low grade approx. 20% BaSO ₄ , large sparsly scattered barite nodules. Bedding dip at 272.0 is 75°S.
275.4	286.4							Interbedded gray & black shale lamina. Bedding dip at 282.0 is 83°S, locally blebs & very thin lamina of marcasite.

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Elevation: _____

Total Depth: _____

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Date: _____

Drilled By: _____

Logged By: _____

Total Depth: _____

Bottom Hole costs	627,014.92	1,455,320.38	749.35
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SAMPLE	LOG #	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH 105					
2923	3500	252-252.8	0.8	2.906	13.02
-	-	252.8-258.0	5.2	2.761	0.00
2924	3501	258-260.3	2.3	2.963	17.80
2925	3502	260.3-262.8	2.5	3.052	24.91
-	-	262.8-265	2.2	2.761	0.00
2926	3503	265-267.7	2.7	3.100	28.58
2927	3504	267.7-271.4	3.7	2.927	14.80
2928	3505	271.4-275.4	4.0	2.829	6.25
		Total	<u>23.4</u>		
		Weighted Average		2.894	11.99