

DRILL HOLE RECORD

 Drill Hole No.: MDPH-10 Inclination: 75° N35E

 Date: Started 10/27/1976, completed 11/8/1976

 Property: Fancy Hill

 Drilled By: Sprague & Henwood

Co-ordinates: North _____ East _____

 Logged By: Les Farrington

Elevation: _____

 Total Depth: 297.5'

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO4	Cond.	
0.0	4.0	30%		1.2'			Lt. gray sandy shale with dk. gray shale lenses. Altered to clay and stained orange by iron oxides.
4.0	8.0	13%		.5'			Sandstone, stained dk. orange by iron oxides. Iron and manganese oxide filled fractures, adjacent to which sandstone has been case hardened approx .1' width.
8.0	12.0	7%		.3'			Sandstone, stained dk. orange by iron oxides. .1' altered to clay. Heavily iron stained, quartz filled fractures.
12.0	16.0	33%		1.3'			Lt. gray sandstone, stained orange by iron oxides. Very closely spaced, heavily iron and manganese oxide filled fractures.
16.0	22.0	25%		1.5'			Lt. gray sandstone with lenses (approx .07' wide) med. gray shale. Sandstone stained dk. orange by iron oxides. Shale partially altered to clay. Very closely spaced, iron and manganese oxide

NOTE: 5/12/77 MINERAL REFERRED TO AS SCORODITE IS CHLORITE

BLACK COLOR TERMED "CARBON" IS INCLUSIONS IN OR DISCOLORATION OF CRYSTALLINE MATERIAL

DRILL HOLE RECORD

Drill Hole No.: MDDH-10 Inclination: N35E 75N

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Property: Fancy Hill

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 ₄	Cond.	
16.0	22.0						filled fractures (ama .02' wide).
22.0	27.5	25%		1.4'			Lt. gray sandy shale, partially altered to clay, with med. gray shale lenses (ama .2' wide). Very closely spaced, iron and manganese oxide filled fractures.
27.5	34.0	70%		4.5'			Dk. gray, very sandy shale with lenses and clasts (ama .19' wide) black shale. Locally heavy con- centrations of pyrite along bedding planes. Con- tains isolated carbon rich nodules (ama .02' diam.) Closely to very closely spaced, heavily iron stained fractures.
34.0	43.0	100%		9.0'			Dk. gray, very sandy shale, gradational to sand- stone at 40.0, with lenses and clasts (ama .09' wide) black shale. Locally heavy concentrations of pyrite along contacts and bedding planes. Moderately closely spaced, unmineralized fractures. Very closely spaced, lt. yellow limonite stained

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
34.0	43.0						fractures, subparallel to bedding 34.5 - 38.0, 42.0 - 43.0.
43.0	52.5	99%		9.4'			Med. to dk. gray sandstone, locally gradational to sandy shale, with lenses and clasts (ama .07' wide) of black shale. Clasts (ama .04' wide) of lt. gray sandstone 51.0 - 52.5. Pyrite locally very heavily concentrated along contacts and bedding planes. Contains scattered, pyrite filled nodules (ama .03' diam.) 56.5 - 59.5. Moderately closely to very closely spaced, un- mineralized fractures. Very closely spaced, lt. yellow limonite stained, barite/pyrite filled fractures (density 6/ft.) 43.0 - 45.5, 46.5 - 49.0.
52.5	59.0	100%		.4'			Med. to dk. gray sandstone, gradational to sandy shale.
				2.8'			Med. gray sandstone, mottled by lt. gray lenses, with lenses and clasts (ama .02' wide) of black

DRILL HOLE RECORD

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Total Depth: _____

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
52.5	59.0						shale.
							Closely spaced, barite filled fractures.
				3.3'			Med. to dk. gray sandy shale with lenses (ama .18'
							wide) of black shale. Locally high concentrations
							of pyrite ^{barite} along contacts and bedding planes.
							Core very broken.
							Very closely spaced, barite filled fractures.
59.0	65.0	88%		4.4'			Med. to dk. gray, very sandy shale, locally
							gradational to sandstone, with lenses and clasts
							(ama .25' wide) of black shale. Pyrite locally
							in heavy concentrations along bedding planes.
							Core very broken last 2'.
							Very closely spaced, barite/pyrite filled fractures
							Very closely spaced, lt. yellow limonite stained,
							barite/pyrite filled fractures 59.0 - 61.5.
							Core loss interval.
				.9'			Med. gray sandstone, very friable.
							Barite filled fracture.

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
65.0	75.0	90%		2.0'			Med. gray sandstone mottled by lt. gray lenses with lenses and clasts (ama .08' wide) of black shale.
				7.0'			Med. gray sandstone, mottled by lt. gray lenses. Moderately closely to very closely spaced, barite filled fractures.
75.0	82.5	100%		6.6'			Med. gray sandstone, mottled by lt. gray lenses, with isolated clasts (ama .01' wide) of black shale.
							Closely to very closely spaced, quartz/carbon filled fractures (ama .02' wide 75.0 - 78.5).
							Very closely spaced, lt. yellow limonite stained, barite filled fractures 77.0 - 80.0.
				.9'			Med. to dk. gray sandy shale with lenses (ama .1' wide) of black shale. Locally heavy concentrations of pyrite along bedding planes.
82.5	86.5	100%		4.0'			Med. to dk. gray, very sandy shale with black shale lenses (ama .17' wide). Locally heavy

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	Bo504	Cond.	
82.5	86.5						concentrations of pyrite along bedding planes. Contains scattered, pyrite filled nodules (ama .02' diam.).
86.5	93.0	100%		6.5'			Med. to dk. gray, very sandy shale with med. gray sandstone lenses (ama .24' wide) and black shale lenses (ama .08' wide). Pyrite locally heavily concentrated along bedding planes. Core very broken 87.5 - 89.5.
							Very closely spaced, lt. yellow limonite stained, barite filled fractures, subparallel to bedding 87.0 - 93.0.
93.0	99.5	100%		2.0'			Med. to dk. gray sandy shale with med. gray sandstone lenses (ama .2' wide) and black shale lenses and clasts (ama .15' wide). Locally heavy concentrations of pyrite along bedding planes.
							Closely spaced, barite / pyrite filled fractures.
				4.5'			Med. gray sandstone with lenses and clasts (ama .4' wide) of black shale. Core very friable and

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Total Depth: _____

DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	Ba504	Cond.	
93.0	99.5						broken 98.0 - 98.5. Closely spaced, barite/pyrite filled fractures.
99.5	107.5	100%		8.0'			Med. gray sandstone, mottled by lt. gray lenses, with scattered clasts (ama .01' wide) black shale. Moderately closely to closely spaced, barite filled fractures.
107.5	115.0	91%		6.9'			Med. to dk. gray sandy shale with dk. gray to black shale lenses (ama .6' wide). Very high concentrations locally of pyrite disseminated and along bedding planes and between contacts. Scattered spherical and enlongate, pyrite filled nodules (ama .03' diam.). Closely to very closely spaced, limonite stained, barite filled fractures, mostly subparallel to bedding. Very closely spaced, carbon filled fractures 111.5 - 112.0, 114.0 - 115.0.
115.0	123.5	100%		.8'			Med. to dk. gray sandy shale with dk. gray to

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
115.0	123.5						black shale lenses (ama .6' wide). Very high concentrations of pyrite locally along bedding planes and between contacts.
							Very closely spaced, lt. yellow limonite stained, barite filled fractures, subparallel to bedding.
				7.2'			Lt. to med. gray sandstone with scattered clasts and lenses (ama .02' wide) of black shale. Core very friable 119.5 - 123.5.
							Moderately closely spaced, barite/carbon filled fractures. Very closely spaced, lt. yellow, limonite stained, barite filled fractures, subparallel to bedding 115.0 - 119.5.
123.5	132.5	87%		2.3'			Med. to dk. gray sandy shale with black shale lenses (ama .25' wide). Contains scattered carbon rich nodules (.01' diam.).
							Core loss interval.
				1.4'			Black shale containing ama 80% spherical, carbon rich nodules (ama .02' diam.). Very friable.
				4.5'			Barite replacing nodules and nodular lenses (ama

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
123.5	132.5						.03'diam./ .02' wide) in med. to dk. gray sandy shale with black shale lenses (ama .08' wide). Locally high concentrations of pyrite/barite along bedding planes. Core very broken 131.0 - 132.0.
							128.4 - 128.8 5-15%
							128.8 - 129.8 35-40%
							129.8 - 132.5 5-15%
							Barite filled fractures at 129.0, 130.5.
132.5	140.5	100%		8.0'			Barite replacing nodules (ama .08' diam.) and nodular lenses (ama .06' wide) in sandy shale with black shale lenses (ama .28' wide). Heavy concentrations locally of pyrite, disseminated, along bedding planes, rimming barite nodules and lenses.
							132.5 - 133.6 10-15%
							133.6 - 134.9 15-25%
							134.9 - 135.9 black shale
							135.9 - 136.2 5-15%

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
140.5	147.5						143.0 - 143.9 40-45%
							143.9 - 144.6 <2%
							144.6 - 144.8 15-25%
							144.8 - 145.1 <2%
							145.1 - 145.3 45-55%
							145.3 - 145.9 <2%
							145.9 - 146.1 45-50%
							146.1 - 146.8 <2%
							146.8 - 147.5 15-25%
							Closely to very closely spaced, carbon/barite filled fractures 143.0 - 146.0.
147.5	155.5	99%		4.5'			Barite replacing nodules and nodular lenses in med to dk. gray sandy shale with black shale lenses (ama .18' wide). Locally high concentrat- ions of pyrite/barite along bedding planes. High concentrations of disseminated pyrite in barite nodules and lenses.
							147.5 - 147.9 10-15%
							147.9 - 149.6 20-30%

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
147.5	155.5						149.6 - 150.5 10-15%
							150.5 - 151.2 20-30%
							151.2 - 152.0 <5%
							Moderately closely spaced, barite filled fractures.
				3.4'			Interbedded med. to dk. gray and black shales
							with med. gray claystone lenses (ama .09' wide.
							Banded appearance. Contains carbon rich nodules
							(ama .04' diam), locally partially replaced by
							barite.
							154.0 - 154.3 <5%
							Closely spaced, unmineralized fractures.
155.5	163.0	95%		1.8'			Interbedded med. to dk. gray and black shales
							with med. gray claystone lenses. Banded appear-
							ance. Contain carbon rich nodules (ama .04' diam.)
							partially replaced by barite.
							155.5 - 157.3 <5%
				5.3'			Interbedded med. to dk. gray and black shales
							(black shale lenses ama .25' wide). Locally
							contains carbon rich nodules (ama .07' diam.)

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DEPTH		SAMPLE RECOVERY	SAMPLE NUMBER	ANALYSES			DESCRIPTION OF MATERIAL DRILLED
FROM	TO			Sp. Gr.	Bo504	Cond.	
155.5	163.0						partially to completely replaced by barite and scattered spherical nodules (.01' diam) of pyrite. Core very broken 161.0 - 162.5.
							157.7 - 158.3 5-10%
							Moderately closely spaced, unmineralized fractures.
163.0	168.0	100%		5.0'			Dk. gray to black shales with med. to dk. gray sandy shale lenses (ama .06' wide). Locally high concentrations of pyrite/barite along bedding planes. Core very broken 165.5 - 168.0.
							Very closely spaced, barite/pyrite filled fractures 163.5 - 164.5.
168.0	174.5	100%		.2'			Dk. gray to black shales.
				4.8'			Med. gray sandstone with black shale lenses and clasts (ama .07' wide). Pyrite locally very heavily disseminated in lenses and concentrated along contacts.
							Closely to very closely spaced, barite/carbon filled fractures.

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FROM	TO			Sp. Gr.	BaSO4	Cond.	
168.0	174.5			1.5'			Dk. gray to black shales with lenses med. to dk. gray sandy shale. Contain scattered, carbon rich nodules (ama .01' diam.). Very closely spaced, unmineralized fractures.
174.5	183.0	100%		.4'			Black shale.
				3.0'			Med. to dk. gray sandstone. Core very broken 174.5 - 178.0 - 179.0. Closely spaced, unmineralized fractures.
				4.5'			Lt. to dk. gray and black shales with med. to dk. gray sandy shale lenses (ama .03' wide). Core very broken 181.0 - 182.5. Closely to very closely spaced, unmineralized fractures.
				.6'			Dk. gray sandy shale, very broken.
183.0	190.5	100%		7.5'			Med. to dk. gray sandy shale, gradational to sandstone (188.0 - 190.5), with dk. gray to black shale lenses (ama .07' wide). Contains spherical, carbon rich nodules (.01' diam.) 186.5 - 190.5.

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
183.0	190.5						Core very broken 183.0 - 183.5, 189.0 - 190.5. Closely to very closely spaced, unmineralized fractures.
190.5	197.0	100%		3.8'			Med. to dk. gray sandy shale, gradational to sandstone, with dk. gray to black shale lenses (ama .05' wide). Closely to very closely spaced, unmineralized fractures.
				2.7'			Interbedded dk. gray to black shales, core very broken. Locally heavy concentrations of pyrite along bedding planes.
197.0	205.0	55%		4.4'			Core loss interval 197.0 - 200.6 Barite replacing nodules (ama .05' diam.) and nodular lenses (ama .02' wide) in med. to dk. gray sandy shale with black shale lenses (ama .18' wide). High concentrations of pyrite locally disseminated in lenses and along bedding planes.
Encountered artesian water this interval.							
							200.6 - 201.5 5-15%

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
197.0	205.0						201.5 - 202.1 25-30%
							202.1 - 202.6 <2%
							202.6 - 203.6 dk. gray sandy shale & black shale
							203.6 - 204.0 5-10%
							204.0 - 204.7 <5%
							204.7 - 205.2 dk. gray and black shales
205.0	212.0	100%		7.0'			Barite replacing nodules (ama .04' diam.) and
							nodular lenses in med. to dk. gray sandy shale
							with black shale lenses (ama .18' wide).
							205.2 - 208.0 80-85%, massive in texture
							208.0 - 209.0 40-50%
							209.0 - 209.6 60-65%
							209.6 - 210.4 70-80%, massive in texture
							210.4 - 210.9 35-40%
							210.9 - 211.2 50-55%
							211.2 - 211.8 20-25%
							Very closely spaced, barite crystal lined fract-
							ures. Closely to very closely spaced unmineralized
							fractures.

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
212.0	221.0	100%		9.0'			Barite replacing nodules (ama .03" diam.) and nodular lenses in med. to dk. gray sandy shale with black shale lenses (ama .25+' wide). Locally high concentrations of pyrite concentrated along bedding planes and disseminated in barite nodules and lenses and sandy shale/shale lenses.
							211.8 - 212.9 65-75%
							212.9 - 213.2 5-15%
							213.2 - 213.3 65-75%
							213.3 - 213.5 5-10%
							213.5 - 214.6 65-75%
							214.6 - 215.4 40-45%
							215.4 - 216.8 65-75%
							216.8 - 217.1 55-65%
							217.1 - 218.4 65-75%
							218.4 - 218.6 10-15%
							218.6 - 219.7 35-45%
							219.7 - 220.3 black shale
							220.3 - 220.5 35-45%
							220.5 - 220.8 black shale

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FROM	TO			Sp. Gr.	Bo504	Cond.	
212.0	221.0						Very closely spaced, barite crystal lined fractures
221.0	224.0	100%		3.0'			Barite replacing nodules (ama .04' diam.) and nodular lenses (ama .05' wide) in med. to dk. gray sandy shale with black shale lenses (ama .2' wide).
							220.8 - 221.6 65-70%
							221.6 - 221.9 dk. gray shale
							221.9 - 223.2 45-50%
							223.2 - 223.7 35-40%
							223.7 - 224.0 black expansive claystone
							Very closely spaced, barite crystal lined fractures
224.0	232.0	100%		8.0'			Barite replacing nodules (ama .06' diam.) and nodular lenses (ama .16' wide) in med. to dk. gray sandy shale with black shale lenses (ama .23' wide)
							Locally high concentrations of pyrite along bedding planes and disseminated in barite nodules and lenses and in sandy shale/shale lenses.
							224.0 - 224.5 70-80% ,massive in texture

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
224.0	232.0						224.5 - 225.7 65-75%
							225.7 - 226.1 50-60%
							226.1 - 226.6 65-75%
							226.6 - 226.8 10-15%
							226.8 - 227.3 60-70%
							227.3 - 227.5 black shale
							227.5 - 228.6 60-70%
							228.6 - 229.2 10-15%
							229.2 - 229.5 50-55%
							229.5 - 230.5 40-50%
							230.5 - 230.8 10-20%
							230.8 - 231.3 35-45%
							231.3 - 231.7 10-15%
							231.7 - 232.0 med. to dk. gray shales
							Very closely spaced, barite crystal lined fractures
232.0	238.0	50%		1.1'			Dk. gray shale containing scattered, carbon rich nodules (.01' diam.). Last .6' silicified.
							Locally high concentrations of pyrite.
							Very closely spaced, barite crystal lined/carbon

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FROM	TO			Sp. Gr.	BaSO ₄	Cond.	
232.0	238.0						filled fractures.
							Core loss interval (?)
				.4'			Dk. gray expansive claystone.
					237.0 - 238.0		Core loss interval (?)
				.4'			Barite replacing nodular lenses and nodules in
							sandy shale. 55-65%
				.5'			Dk. gray shale.
				.3'			Barite replacing nodules (ama .02' diam.) and
							nodular lenses (ama .01' wide) in black shale.
							5-10%.
				.3'			Dk. gray expansive claystone.
238.0	241.0	100%		3.0'			Barite replacing med. gray, silicified sandy shale.
							Massive in texture.
							238.0 - 241.0 80-90%
							Very closely spaced, barite/carbon filled and
							unmineralized fractures.
241.0	243.5	100%		2.5'			Barite replacing med. gray, silicified sandy shale
							and nodules and nodular lenses (ama .04' diam./ .01'

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FROM	TO			Sp. Gr.	Bo504	Cond.	
241.0	243.5						wide) in black shale lenses interbedded with the sandy shale.
							241.0 - 241.4 80-90%
							241.4 - 242.0 25-30%
							242.0 - 242.3 75-85%
							242.3 - 242.5 35-45%
							242.5 - 243.2 70-80%
							243.2 - 243.5 20-30%
							Locally high concentrations of disseminated pyrite in shales, also rimming nodules.
							Very closely spaced, barite crystal lined fractures.
243.5	253.0	27%		2.6'			Barite replacing nodules in black shale/silicified sandy shale.
							.3' 25-35%
				4.9'	243.8 - 248.7		Core loss interval (?)
							.6' 40-45%
							Core loss interval
							.3' black shale
							.5' 75-85%

DRILL HOLE RECORD

 Drill Hole No.: MDDH-10 Inclination: _____

Date: _____

 Property: Fancy Hill

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 ₄	Cond.	
243.5	253.0						.5' 20-30% core loss interval (2) .4' black shale
							Locally high concentrations of pyrite disseminated/ rimming nodules.
253.0	258.0	80%		4.0'			Dk. gray and black claystone. Pyrite heavily disseminated/concentrated along bedding planes.
258.0	263.0	100%		.2'			black claystone.
				4.8'			Barite replacing nodules (ama .05' diam.) and nodular lenses (ama .08' wide) in dk. gray sandy shale with black shale lenses (ama .3' wide). Locally high concentrations of pyrite disseminated/ along bedding planes/rimming barite nodules.
							258.2 - 258.5 20-30%
							258.5 - 258.8 dk. gray sandy shale and black shale
							258.8 - 259.5 10-20%
							259.5 - 260.2 <2%
							260.2 - 260.5 15-25%
							260.5 - 260.6 75-80%

DRILL HOLE RECORD

Drill Hole No.: MDDH-10 Inclination: _____

Date: _____

Property: Fancy Hill

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.	BaSO4	Cond.	
258.0	263.0						260.6 - 260.8 45-55%
							260.8 - 261.1 black shale
							261.1 - 261.3 40-50%
							261.3 - 261.6 45%
							261.6 - 262.1 55-65%
							262.1 - 262.6 dk. gray and black shales
							262.6 - 263.1 65-75%
							Very closely spaced, barite crystal lined fractures
263.0	266.5	100%		3.5'			Barite replacing nodules (max .03' diam.) and
							nodular lenses (max .1' wide) in med. to dk. gray
							sandy shale with dk. gray to black shale lenses.
							Locally high concentrations of pyrite, disseminated
							/along bedding planes.
							263.1 - 263.9 55-65%
							263.9 - 264.5 black shale
							264.5 - 265.4 30-40%
							265.4 - 266.5 dk. gray and black shales
							Very closely spaced, barite crystal lined fractures

DRILL HOLE RECORD

Drill Hole No.: MDDH-10 Inclination: _____

Date: _____

Property: Fancy Hill

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 ₄	Cond.	
266.5	271.0	53%		2.4'			Interbedded med. to dk. gray and black shales with med. to dk. gray sandy shale lenses (ama .06' wide) High concentrations of pyrite along bedding planes. Contains scattered nodules and nodular lenses partially replaced by barite (<2%). Very closely spaced, barite crystal lined fractures Closely to very closely spaced, unmineralized fractures.
271.0	275.5	100%		3.0'			Black shale. 1.5' containing scattered nodules (ama .04' diam.) and nodular lenses (ama .01' wide) partially replaced by barite (<5%). Locally high concentrations of pyrite along bedding/ rimming barite nodules.
				1.5'			Dk. gray shale with narrow black shale lenses. High concentrations of pyrite. Very closely spaced, barite crystal lined fractures Closely to very closely spaced, unmineralized fractures.

DRILL HOLE RECORD

 Drill Hole No.: MDDH*10 Inclination: _____

Date: _____

 Property: Fancy Hill

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 ₄	Cond.	
275.5	282.0	100%		2.0'			Dk. gray shale with black shale lenses and clasts.
				4.5'			Black shale. Locally high concentrations of
							pyrite along bedding planes. Contains scattered,
							carbon rich nodules (ama .05' diam.), partially
							replaced by barite or having high concentrations
							of pyrite. Last .2' graphitic. Core very broken
							280.5 - 282.0.
							Very closely spaced, barite filled/unmineralized
							fractures.
282.0	286.5	93%		.6'			Black, graphitic shale.
				3.3'			Dk. gray shale containing carbon/pyrite filled
							nodules (ama .03' diam.)
				.3'			Black, graphitic shale. Shales contain very high
							concentrations of disseminated pyrite.
							Closely to very closely spaced, unmineralized
							fractures.
286.5	291.5	100%		.8'			Black claystone.
				4.2'			Black shale, locally highly graphitic. High

DRILL HOLE RECORD

Drill Hole No.: MDDH-10 Inclination: _____

Date: _____

Property: Fancy Hill

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 ₄	Cond.	
286.5	291.5						concentrations of barite/pyrite locally along bedding planes. Contains scattered, pyrite filled nodules (ama .02' diam.). Core very friable and broken.
							Very closely spaced, unmineralized fractures.
291.5	295.0	100%					Core loss interval
				.8'			Black claystone.
				1.8'			Dk. gray shale with narrow lenses (<.01' wide) black shale. Contains scattered, pyrite filled nodules (ama .03' diam.). Last .5' very broken.
				.9'			Black graphitic shale. Shales locally have very high concentrations of pyrite, disseminated/ concentrated along bedding planes.
							Very closely spaced, unmineralized fractures.
295.0	297.5	100%		.5'			Black claystone.
				2.0'			Black shale. High concentrations of pyrite along bedding planes. Core very broken.
							Very closely spaced, unmineralized fractures.

SAMPLE	LOG =	DEPTH	INTERVAL	A.P. SPECIFIC GRAVITY	CALCULATED % BaSO ₄
MDDH-10					
#1	654	128.4-136.0	7.60	3.27	40.69
#2	655	136.0-143.6	7.60	3.22	37.26
#3	656	143.6-151.2	7.60	3.37	47.25
#4	657	200.6-207.8	7.20	3.49	54.62
#5	658	207.8-215.0	7.20	3.71	66.89
#6	659	215.0-222.2	7.20	3.76	69.48
#7	660	222.2-229.4	7.20	3.64	63.15
#8	661	229.4-236.6	7.20	3.33	44.67
#9	662	236.6-243.8	7.20	3.92	77.32
#10	663	243.8-251.0	7.20	3.44	51.61
#11	664	251.0-258.2	7.20	3.14	31.55
#12	665	258.2-265.4	7.20	3.48	54.02
-	-	265.4-266.5	1.10	2.761	0.00
#1A		266.5-272.0	5.50	3.04	23.98
#2A		272.0-274.0	2.00	2.93	15.06
COMPOSITE	670	MEASURED		3.52	53.0
COMPOSITE		CALCULATED	96.20	3.437	51.42
*Not included in composite measured.					