

DRILL HOLE LOG - FERROUS

LAT. +13,304.4N ANGLE -75° MINE Sunrise, Platte County, Wyoming
 DEP. +3,927.5E BEARING East LOCATION Emanuel No. 2 E½ SW¼ Sec. 29, T28N, R65W
 ELEV. 5,317.8 LEVEL Surface HOLE NO. DDH No. 437

DATE 1974	DRILLED		FEET	CORE		MATERIAL	REMARKS
	FROM	TO		FT.	10ths		
						200 ft south of north claim line.	Banding to axis of core.
						0-371 Hartville formation:	Set 5 ft NX casing.
3-1	0	5	5	0	0	0-5 Surface material.	
	5	10	5	5	0	5-10 Limestone.	
	10	15	5	5	0	10-25 Mudstone, limy. Shaly in spots, with	
	15	20	5	5	0	green spots, interbedded with perturbed and	
	20	25	5	5	0	broken limestone beds.	
	25	30	5	5	0	25-43 Limestone, in parts broken and cemented	
	30	35	5	5	0	with limy mudstone.	
	35	43	8	8	0		
	43	53	10	10	0	43-63 Mudstone, limy. Many beds of broken	
3-4	53	63	10	10	0	limestone, with mudstone filling.	
	63	73	10	10	0	63-181 Limestone. In parts broken and filled	
	73	83	10	10	0	with red limy mudstone. Very styalitic.	
	83	93	10	10	0		
	93	103	10	10	0		
3-5	103	113	10	10	0		
	113	123	10	10	0		
	123	133	10	10	0		
	133	143	10	10	0		
	143	153	10	10	0		
	153	163	10	10	0		
3-6	163	173	10	10	0		
	173	183	10	10	0	181-188 Shale, red with green spots.	
	183	193	10	10	0	188-200 Limestone, very sandy, coarse crystal-	90° at 190.
						line. (Crystals up to 1 centimeter), very	
						hematitic. Sand is coarse grained.	
	193	203	10	10	0	200-371 Sandstone. Medium grained. Red and	
	203	213	10	10	0	pink striped. Cross bedded. Well indurated.	
	213	223	10	10	0		
3-7	223	233	10	10	0	Quartzitic in places. Limonite and occasional	
	233	243	10	10	0	calcite fracture filling.	
	243	253	10	10	0		
	253	263	10	10	0		70° at 263.

Driller Longyear (Rush) / Longyear JR

Core recovery 98-9%

Core ID H0 Lynch

no analyzer

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DEP.	+3,927.5E	BEARING	East	LOCATION	Emanuel No. 2 E½ SW¼ SW¼ Sec. 29, T28N, R65W	
ELEV.	5,317.8	LEVEL	Surface	HOLE NO.	DDH No. 437	

DATE 1947	DRILLED			CORE		MATERIAL	REMARKS
	FROM	TO	FEET	FT.			
						CORE ORIENTATION SURVEY AT 491-493 ft.	
						Good schistosity and quartz banding 20° to core axis. Upper apex of bedding 60° clockwise from reference line on core.	
						Top of acid tube is 60° counterclockwise from reference mark.	
						Inclination angle is 80° corrected.	
						Estimated Stereonet	
						Strike Dip Strike Dip	
						S80°E 60°N S64°E 66°N26°E	
						HOLE SURVEYS	
						200 feet: 81° uncorrected.	
						79° corrected.	
						400 feet: 82° uncorrected.	
						80° corrected.	
						493 feet: 82° uncorrected.	
						80° corrected.	
						Core orientation at 491-493 ft.	
						Hole inclination 82° uncorrected; 80° corrected.	
						Tube reference line 60° clockwise from top of tube. Lower apex of banding 240° clockwise of reference line. Banding 20° to axis of core.	
						Estimated Stereonet	
						Strike Dip Strike Dip	
						S80°E 60°N S64°E 66°N26°E	

Hole Incl.
80° E

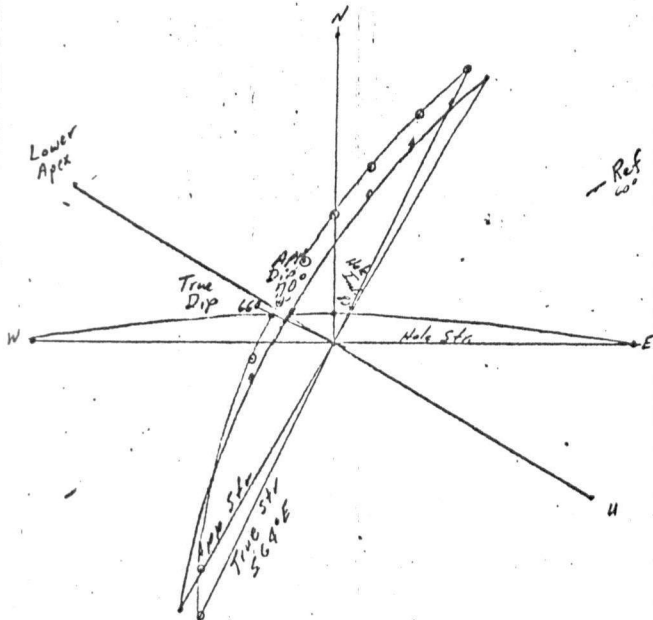
DDH 437

493 ft

True Str. 5645

Dip 66° N 26° E

Top



App Dip (90-20) = 70°

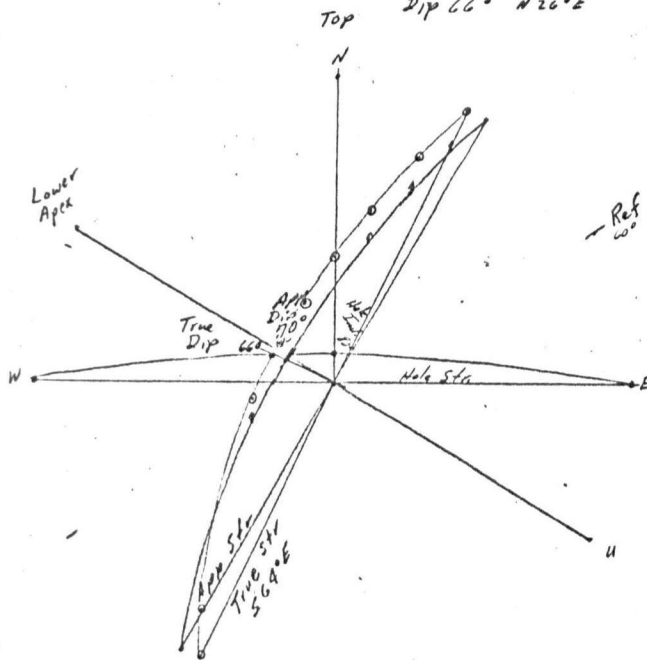
$$10^2 \frac{1}{2} \text{ to } (90-80) \cdot 10^0$$

$$10^2 \cdot 10^2 (90-80) \cdot 10^0$$

Hole Incl.
80° E

DDH 437
493 FT

True Str. 564' ±
Dip 66° N 26° E



App Dip (90-20) = 70°

App Str (90-80) = 10°

Hole Incl.
80° E

DDH 437

493 ft

True Str. 564 d

Dip 66° N 26° E

Top

Lower
Apex

Ref
600

True
Dip

Am
Dis.
70

Hole Sta

APR 21 1964

4

j

App Dip (90-20) = 70°

$$10^2 \frac{1}{2} \frac{1}{2} (90-80) = 100$$

