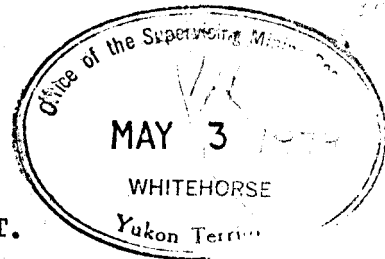


DD-7



Indian and Northern Affairs

Affaires indiennes et du Nord



P.O. Box 269,
Watson Lake, Y.T.
YOA 1C0

1 May, 1979

10/20/79

Your file Votre référence

Our file Notre référence

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining Recorder

REGISTERED MAIL

RESTRICTED

Enclosed, for your information, are two groups of diamond drilling logs as follows:

- 1.) Pelly Group, 105-G-14 - Kerr Addison Mines Limited
3 holes drilled on PELLY 62 and 73 mineral claims
Core is stored at Lily Lake Camp (Pelly 72)
443.5 metres drilled - total cost \$33,699.30
- 2.) Mel Group, 95-D-6 - St. Joseph Explorations Ltd.
6 holes drilled on JEAN 3 and 4 mineral claims
Core is stored at the Mel property
1526.35 metres drilled - total cost \$60,000.00

Yours truly,

V.W. Johanson
for V.W. Johanson
Mining Recorder
Watson Lake District

encl.
:dj

cc: Regional Geologist

091092

091092

March 16, 1979

Mining Recorder
Watson Lake.

Re: St Joseph Explorations
Wet Jean Mel and Sov Claims
95-D-6.

The present drilling program will be continuing until approximately April 10, 1979. An approximate cost analysis to ~~April~~^{post} March 9, 1979 has been filed. The report to accompany this work will not be written until the field work is finished and all assays and drafting of results can be completed. I suggest that six weeks after April 10th, that is, approximately until May 25th, 1979 will be required to write the report.

Please note more work will be filed on these claims as future invoices are received at the end of drilling.

David Gendry
St Joseph Explorations

St. Joseph Explorations Ltd.
 970 Laval Crescent, #5
 Kamloops, B.C.
 V2C 5P5

March 9, 1979



Mining Recorder
 Box 269
 Watson Lake, Yukon
 YOA 1C0

Dear Sir:

Re: Assessment Work, Mel Prospect, Yukon

As of this date we have completed the following B.Q. core valued as follows:

Jean 3 claim: 2100 feet x \$15 = \$31,500
 Jean 4 claim: 1800 feet x \$15 = \$27,000 } \$58,500

Based on this work the following assessment credits are applied for for the following groups of claims.

Group 1

Jean 4	Y72734	4 years	20 x 1 = \$ 20 ✓
Sov 1-6	YA28600-605	5 years	25 x 6 = 150 ✓✓
Jean 11-15	Y74418-22	4 years	20 x 5 = 100 ✓✓
Mel 11	Y22230	4 years	20 x 1 = 20 ✓✓
Mel 13	Y22232	4 years	20 x 1 = 20 ✓✓
Mel 15-16	Y22234-35	4 years	20 x 2 = 40 ✓✓
TOTAL - 16 claims			\$ 350 ✓

Group 2

Jean 3	Y72733	4 years	20 x 1 = \$ 20 ✓
Mel 12	Y22231	4 years	20 x 1 = 20 ✓✓
Mel 14	Y22233	4 years	20 x 1 = 20 ✓✓
Wet 9-16	Y83317-24	4 years	20 x 8 = 160 ✓✓
Wet 28-32	Y83328-32	4 years	20 x 5 = 100 ✓✓
TOTAL - 16 claims			\$ 320 ✓

...2

renewals \$21,600

3
 16 x 4 yrs
 5
 112

...2

March 9, 1979

Group 3

Jean 3	Y72733	---	---	---	✓
Jean 2	Y72732	4 years	20 x 1 =	\$ 20	✓
Jean 16	Y74423	4 years	20 x 1 =	20	✓
Jean 18	Y74425	4 years	20 x 1 =	20	✓
Jean 20	Y74427	4 years	20 x 1 =	20	✓
Wet 1-8	Y83309-16	4 years	20 x 8 =	160	✓
Wet 25-27	Y83325-27	4 years	20 x 3 =	60	✓
TOTAL - 16 claims				\$ 300	✓

Group 4

Jean 4	Y72734	---	---	---	✓
Jean 1	Y72731	4 years	20 x 1 =	\$ 20	✓
Jean 17,19,21	Y74424,26,28	4 years	20 x 3 =	60	✓
Jean 5-10	Y72961-66	1 year	5 x 6 =	30	✓
TOTAL - ¹¹ 12 claims				\$ 110	✓

Enclosed herewith is our cheque in the amount of \$1100[✓] for \$1080[✓] filing fees plus \$20[✓] for four grouping certificates.

Yours very truly,

D.C. Miller

D.C. Miller
Senior Geologist

DCM:vg

encl. 2 claim sketches ✓
4 applications for certificates of work [✓]IN DUPLICATE
4 GROUPINGS IN DUPL.

MEL PROSPECT

Claim Expiry Dates As Of

November 1, 1978



<u>Claim Name</u>	<u>Grant No.</u>	<u>No of Claims</u>	<u>Expiry Date</u> ✓
<i>Gravel</i> WET 1	Y83309	1	April 3, 1983
<i>Gravel</i> WET 3	Y83311	1	April 3, 1983
<i>Gravel</i> WET 5-8	Y83313-16	4	April 3, 1983
WET 25-28	Y83325-28	4	April 3, 1983~
WET 29	Y83329	1	April 3, 1983✓
WET 31	Y83331	1	April 3, 1983✓
WET 2	Y83310	1	April 3, 1984
WET 4	Y83312	1	April 3, 1984
WET 30	Y83330	1	April 3, 1984✓
WET 32	Y83332	1	April 3, 1984✓
WET 9-16	Y83317-24	8	April 3, 1982
JEAN 1-4	Y72731-34	4	April 3, 1984
<i>Gravel</i> JEAN 5-10	Y72961-66	6	April 5, 1981
<i>Gravel</i> JEAN 11-15	Y74418-22	5	Oct. 15, 1983
<i>Gravel</i> JEAN 16-21	Y74423-28	6	Oct. 15, 1983
MEL 11-13	Y22230-32	3	April 3, 1981
MEL 14-16	Y22233-35	3	April 3, 1981
*SOV 1-6	YA28600-605	<u>6</u>	April 26, 1979

TOTAL 57

* Assessment work to be filed.



LEGEND

DIAMOND DRILL HOLE, VERTICAL, INCLINED ● ● —

CLAIM POST □

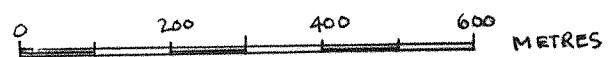
ST. JOSEPH EXPLORATIONS LIMITED

TORONTO, CANADA

LOCATION MAP

MEL PROJECT 1979 DIAMOND DRILLING

SCALE: 1: 10,000



APPROX. LAT. & LONG. OF LOWER RT. COR. OF DWG.

° ' " LATITUDE
° ' " LONGITUDE

PROJECT NO. 6250

REPORT NO.

SHEET NO. OF

N.T.S. 950-6

PROPERTY Me1	TP OR AREA	AZIMUTH 092°	DATE STARTED February 22, 1978	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 250	LOT & CONC.	DIP Collar -60°	DATE COMPLETED February 23, 1978	400'	-58°		
CLAIM NO. Jean 16	CO-ORDINATES. (Metric) 94+00N	LENGTH 707 Ft.	DRILLED BY D.W. Coates	600'	-59°		
GRID NO.	99+35E (65W)	COLLAR ELEV. 915 M. (Approx.)	LOGGED BY D.C. Miller				

FOOTAGE		SECTION	DESCRIPTION	CORRECTED DIP TESTS			ASSAYS						
FROM	TO	1"±		SAMPLE NO.	FROM	TO		LENGTH					
0	11		Overburden, B.Q. casing to 12', 5' of casing left in hole.		0	200	200	Dip -60°					
11	707		Limestone, light grey, very fine to crytograined, contains 5-10% irregular mudstone and limy clasts. Mudstone clasts are brown to grey and may contain very fine disseminated pyrite and occassional thin pyrite bands. These clasts are non calcareous but may contain fine talc mineralization along partings. They may be several inches in size but are commonly less than 2 inches and have an irregular, wavy, lenticular shape. Limy clasts are generally pale grey and more spherical in shape. They are generally less than 1 inch and may have an oolitic texture. Weak banding in limestone is generally present. White calcite veining, with veins generally less than 1/8", is present locally.		200	500	300	-58°					
					500	707	207	-59°					
				Metric Summary:									
				Length = 215.5 M.									
					0	61.0	61.0	-60°					
					61.0	152.4	91.4	-58°					
					152.4	215.5	63.1	-59°					
					0	3.4	Overburden						
					3.4	215.5	Limestone						
			(12-75) Fracture and breaks mainly @ 50-70° and are rusty colored from near surface weathering			18.0	Banding @ 50°						
						69.5	Banding @ 50°						
			Prominent mud clasts @ (31-36), (38-41), and (59-61)			131.0	Banding @ 35°						
						183.5	Banding @ 45°						
			Banding: 50° @ 59'			214.6	Banding @ 35°						
			Core recovery: 95% with broken core and loss at (24-25)		157.2	161.2	Fault zone, water circulation lost						
							158.5M.						

PROPERTY Mel	TP OR AREA	AZIMUTH 092°	DATE STARTED February 26, 1978	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE Azimuth and Dip from Sperry-Sum single shot device.
PROJECT 250	LOT & CONC.	DIP -65°	DATE COMPLETED March 1, 1978	40'	085°	-66°	
CLAIM NO. Jean 3	CO-ORDINATES 100+05N	LENGTH 981'	DRILLED BY D.W. Coates	250'	074°	-64°	
GRID NO.	98+78.1E (121.9W)	COLLAR ELEV. 914 M. (Approx)	LOGGED BY D. Miller	480'	066°	-62°	
				707'	063°	-58°	

FOOTAGE		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS						
FROM	TO	1" =						AZ.	DIP	H.	V.	V. ACC		
0	17		Overburden											
0	22		BW Casing											
22	981		Limestone, light grey, very f.g. to cryptograined, contains 5-10% wavy or irregular shaped mudstone clasts and some limy clasts concentrated in a repetitive and non distinctive sequence of beds. Mudstone clasts may be slightly metamorphosed and may contain fine dusty pyrite as well as coarser grains, and find local pyrite laminae. Larger mudstone clasts commonly show fine laminations. Banding in limestone is generally vague but present. Core recovery 95-100% except where noted. Local veining by white calcite, generally less than 1/8" in size.											
			(22-247)											
			Core recovery: (22-27) - 90%											
			(93-103) - 90%											
			(132-152) - 90%											
			Sections containing several mudstone and limy clasts:											
			(26-34), (36-38.5), (40-41.5), (46-51), (56-57), (63-66), (73-74), (76-77.5), (81-85), (97-98), (116.5-117.5), (122-124), 129.5-6", (132-151), (160-182.5), (206-211), (213-220), (230-237).											
			(231-233) Solid grey laminated mudstone @ 15-30° with fine dusty py.											

RECEIVED
 17111
 RECORD
 LAKE, Y.T.
 & M.D.

(22-247) cont'd (note: all angles from core axis)

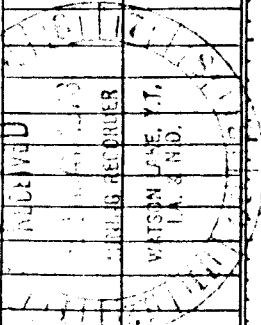
	METRIC SUMMARY CONT'D		
	Banding: (Metres)		
Banding: 40° @ 26'			
55° @ 34'			
40° @ 91'			
25°? @ 232'			
Fractures: Tight unless noted, generally along mudstone clasts or white calcite stringers	6.7	75.3	- average = 40°
	75.3	89.0	50°
50° @ 38', (3),	89.0	102.7	35°
60° @ 46',			
50° @ 53',	102.7	116.4	30°
55° @ 57',			
45° @ 60' with py., (Water circulation lost at	116.4	130.7	32°
60° @ 65', (215')			
80° & 30° @ 77',	130.7	145.1	44°
50° @ 90',			
0-5° @ 100',	145.1	160.0	30°
30° @ 109',			
50° @ 117.5',	160.0	174.3	30°
40° @ 129', with brecciation,			
40° @ 149',	174.3	188.4	20°
45° @ 159',			
30° @ 179', (2),	188.4	203.0	35°
40° @ 181', (2) with rusty discol.			
45° @ 231',	203.0	217.0	45°
15° @ 232', with breccia and rust fault?			
10° @ 237'	217.0	231.3	18°
(141-142) Brown soft, muddy, broken, rusty fault?	231.3	237.7	30°
Broken core: (22-24), (70,71), (73-74) rusty, (76-77.5) rusty,	237.7	299.0	24°
(84-88), (97-98), 104-110), (132-133),			
(138-139.5) rusty,			
(141-144) rusty,			
(149-150) rusty,			
(215-216) rusty.			
		65.5	Water circulation lost
		70.7	15° with breccia and rust
	43.0	43.3	Soft, rusty broken
Leaching along veining @ 157-159	95.1	96.6	Broken, rusty, leached

DESCRIPTION

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
22	981	(337-382) - Recovery 100%					
		Prominent clasts @ (337-349), (377-380)					
		Minor py @ (347-349)					
		Banding - 30° ?					
		Fractures (tight)					
		25° @ 344.5, 30° @ 353, 40° @ 365, 30° @ 368,					
		25° @ 371 & 374, 30° @ 378					
		(382-429) Recovery 100%, core in 2' pieces					
		Prominent clasts - (407-410) (419-427)					
		minor white calcite veining throughout.					
		Banding: 20° @ 383					
		45° @ 397					
		30° @ 427					
		387 - few specks py.					
		415 - 4" heavy f.g. py. with limy clast					
		Fractures: 45° @ 383'					
		Core breaks: @ 70-80°					
		(429-476) 100% recovery, excellent core					
		Prominent clasts: (444-445), (450-457),					
		(mudstone)					
		(468-469), (472-474)					
		some limy clasts throughout					
		Banding: 45° @ 434, 50° @ 469, 50° @ 471, 30° @ 476.					
		Fractures: 50° @ 465.5 (tight)					
		Core breaks @ 45-80°, mainly 70°					

PROPERTY M E L	TP OR AREA	AZIMUTH 103°	DATE STARTED Mar. 3/78	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 250	LOT & CONC.	DIP -50°	DATE COMPLETED Mar. 3/78	30'	099°	-51.5°	
CLAIM NO. Jean 17	CO-ORDINATES. Metric 92 + 00N	LENGTH 336'	DRILLED BY Coates	336'	093°	-54°	
GRID NO.	99 + 85.2E (14.8W)	COLLAR ELEV. 902 M	LOGGED BY D. Hendry				

FOOTAGE		SECTION	DESCRIPTION	ASSAYS								
FROM	TO	I"=		SAMPLE NO.	FROM	TO	LENGTH	AZ.	DIP	H	V	V acc.
0	7		0. B.									
0	12		Casing									
10	287.3		Limestone, light grey, mottled locally, very fine grained to cryptocrystalline (micritic); contains medium grey to brown grey, mudstone clasts, approximately 5 - 10% of total section and up to 20% of section for lengths of 2 feet locally; mudstone clasts are irregular in shape and size but give the impression of being generally from 30-45° to Core Axis, where measurable Banding in limestone is vague but speckled colour banding noted as below. Irregularly oriented but usually planar, orange and white, medium grained, calcite veins less than .5 cm. but several up to 1 cm. are common.									
								FEET				
					0	15	15	103°	-50°	9.64	11.49	11.49
					15	183	168	099°	-51.5°	104.58	131.48	142.97
					183	336	153	093°	-54°	89.93	123.78	266.75
						Total	336			204.15	266.75	
								METRIC SUMMARY				
						Length	102.4					
					0	4.6	4.6	103°	-50°	2.9	3.5	
					4.6	55.8	51.2	99°	-51.5°	31.9	40.1	
					55.7	102.4	46.7	93°	-54°	27.4	37.8	
							102.5			62.2	81.4	
			Reddish (hematitic) stringers randomly oriented, usually very thin (stylolitic) are rare.									
			* All angles measured with respect to core axis.		0	2.1	2.1	0. B.				
			(10-67) Limestone		2.1	87.6	85.5	limestone				
					87.6	102.4	14.8	Shale				
			Broken Core (20-22') not fault gouge but broken and weathered (i.e. no mylonite)			71.3		30°	Banding			
			(26.5) shattered & weathered mud clast			91.4		35°	Banding			
			(51-52) weakly weathered									
			(57-58) weakly weathered									



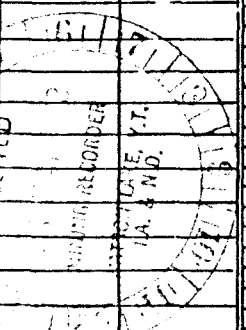
FOOTAGE		SECTION 1" =	DESCRIPTION				ASSAYS
FROM	TO			SAMPLE NO.	FROM	TO	
10	287.3		(115.5 - 287.5) Contd.				
			More mudstone clasts at (246 - 249)				
			(254) (264)				
			(265 - 266)				
			(115.5 - 287.3) Limestone;				
			Mudstone clasts at (273 - 274)				
			(278 - 279.5)				
			In limestone, thin black streaks give banding				
			30° at (234)				
			30° at (285)				
			35° - 40° at (218)				
			Fractures (118') - 50° weathered				
			at: (120') - 10° smooth				
			(125') - 40° & 50° smooth thru calcite				
			(129') - 80° weathered				
			(132') - 45°				
			(28') - 30° calcite (142') - 10 - 20°				
			(29') - 35° mud (146') - 30°				
			(30') - 70° calcite (153') - 60°				
			(31') - 30° calcite (155') - 65°				
			(32') - 65° (167') - 40°				
			(40') - 35° calcite (170') - 30°				
			(47') - 40° mud (172') - 25°				
			(54') - 20° (173') - 35°				
			(55') - 40° (175') - 40°				
			(56') - 45° (179') - 40°				
			(61') - 60° (186') - 60°				
			(62') - 35° (187') - 50°				
			(64') - 50° (192') - 40°				
			(93') - 50° (194') - 30°				
			(100) - 2 at 50 (197') - 40°				
			(100° between the two sets)				
			(198') - 40°				
			(205') - 45°				

FOOTAGE		SECTION 1" =	DESCRIPTION				ASSAYS
FROM	TO			SAMPLE NO.	FROM	TO	
10	287.3		(115.5 - 287.3) Limestone Contd.				
			(206') - 50°				
			(208') - 55°				
			(215') - 40°				
			(218') - 50°				
			(217') - 30°				
			(219') - 40° & 30°				
			(222') - 30°				
			(226') - 25°				
			(229') - 25°				
			(234') - 50°				
			(239') - 75°				
			(242') - 40°				
			(243') - 20°				
			(249') approximately 50°				
			(252') - 35° & 50°				
			(257') - 35°				
			(258') - 40°				
			(263') - 75° & 20°				
			(265') - 40°				
			(268') - 35°				
			(269') - 35°				
			(271') - 40°				
			(274') - 40°				
			(276') - 35°				
			(279') - 65° & 20°				
			(283') - 40°				
			(283') - 10°				
			(285') - 40°				
			(286') - 45°				
			Broken Core - (106) (107) (121) (130) (141) (144.5) (171)				
			(188) - very small breaks with slight weathering				
			½" white calcite veins				
			at 255' - 45° at this point banding is 30°				
			at 257' - 35°				

PROPERTY Mel Yukon	TP OR AREA	AZIMUTH	DATE STARTED March 6	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE Sperry Sun Compass
PROJECT 250	LOT & CONC.	DIP -90°	DATE COMPLETED March 7	footage	azimuth	dip	
CLAIM NO. Jean 3	CO-ORDINATES. 100 + 05.9N	LENGTH 656'	DRILLED BY Coates	150'	038°	-85.5°	
GRID NO.	99 + 62.5E	COLLAR ELEV. 910 M (Approx.)	LOGGED BY Dave Hendry	305'	044°	-80.9°	
				455'	042°	-84.0°	
				656'	041°	-83.0°	

FOOTAGE		SECTION	DESCRIPTION	SAMPLE NO.			ASSAYS			
FROM	TO	1"=		FROM	TO	LENGTH	AZ	DIP	H.	V.
			12' of casing total							
			Bedrock at collar (* 10' of casing and shoe stuck in hole)	Survey Data (ft)						
				0	75	75	-	-90°	-	75
0	76.3		Limestone; - light grey to white, very fine grained to crypto-grained, contains contorted, irregular shaped and variable sized mud clasts, (medium to dark brown), some dark brown mud clasts contain fine grained pyrite, average less than 10% mud clasts throughout, minor orange or white calcite stringers, approximately 1/8 - 1/4".	75	227.5	152.5	038°	-85.5°	12.0	152.0
				227.5	380.0	152.5	044°	-80.9°	24.1	150.6
				380.0	555.5	175.5	042°	-84.0°	18.3	174.5
				555.5	656.	100.5	041°	-33.0°	12.2	99.8
						656.			66.6	651.9
				Metres						
			Core Recovery (47 - 57') - 100%	0	22.9	22.9	-	-90°	-	22.9
			(67 - 77') - 100%	22.9	69.3	46.4	038°	-85.5°	3.6	46.3
				69.3	115.8	46.5	044°	-80.9°	7.4	45.9
			Broken and rusty core (67 - 77') also silicified	115.8	169.3	53.5	042°	-84.0°	5.6	53.2
				169.3	199.9	30.6	041°	-83.0°	3.7	30.4
									20.3	198.7
			Fractures							
			14' - (50° & 60°) tight							
			17' - 30° rust							
			23' - 70° broken over 1/4"							
			25' - 30° tight & calcite							
			30' - 50° tight & calcite							
			34' - 70° rust & Silica	0	23.3	Limestone				
			31.5' - 60° rust & Silica							
			50' - 80° thru mudstone and rust	23.3	45.8	Mineralized Zone				
			55' - 40° tight & calcite							
			56' - 40° tight & calcite	45.8	166.2	Shale				
			66' - 40° tight & calcite rust							
			68' - 75° tight & calcite	166.2	191.3	Mineralized Zone				
			69' - 30° & 35° tight & calcite rust							
			72' - 35° tight & calcite	191.3	199.9	Limestone				

METRIC SUMMARY



FOOTAGE		SECTION 1" =	DESCRIPTION	(feet)			ASSAYS							
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	Pb %	Zn %	Ag oz/ton	Ba %	* % cd		
545.3	627.5	Contd.	(592.9 - 593.9) barren barite											
			(593.9 - 597) mud: barite 50:50 sulphides coarse grain; Sphalerite % much greater than galena possible laminae, approximately 45° core angle mud up to 3", plus mud swirls between sphalerite grains.	M78-6-22	614	617	3	0.03	2.37	<0.01	54.09			
				M78-6-23	617	621	4	0.03	8.86	<0.01	47.97			
				M78-6-24	621	625	4	0.05	13.0	<0.1	42.44			
			(597 - 604) very coarse grained sphalerite and galena in Barite less mud than above (20%)	M78-6-25	625	627.5	2.5	0.03	15.9	<0.01	9.39			
			(604 - 607) coarse grained galena and sphalerite, with minor mud in Barite. Galena % greater than sphalerite											
			(607 - 614) coarse grained sphalerite and galena, minor mud sphalerite % = galena											
			(614 - 617.4) Sphalerite and galena in barite with minor mud, sphalerite % much greater than galena											
			(617.4 - 627.5) barite host, mud associated with sphalerite, sphalerite in this section is yellow-green- brown and occurs as poorly defined grains within large blebs, mixed with brown mud. Some red-brown sphalerite in this section also.	*Cadmium composite from lower and 78-7 =									0.023	
				AVERAGES (Feet)										
627.5	629		(627.5 - 629) primarily brown mud, very minor barite and sphalerite											
				588	627.5		39.5	3.33	7.05	0.01	42.88		72.87	
				545.3	588		42.7	0.70	1.44	0.03	49.42		83.98	
				563	627.5		64.5	2.16	5.24	0.02	44.10		74.94	
			Fractures (545.2 - 627.5) difficult to distinguish unless healed by sulphides or thru mud	545.3	627.5		82.2	1.96	4.14	0.02	46.25		78.60	
				545.3	563.0		17.7	1.25	0.12	0.008	54.22		92.14	
				AVERAGES (Metres)										
			(585') 45° thru mud											
			(588') 55°	179.2	191.3		12.1	3.33	7.05	0.01	42.88		72.87	
			(601') 25°	166.2	179.2		13.0	0.70	1.44	0.03	49.42		83.98	
			(604') 60°	171.6	191.3		19.7	2.16	5.24	0.02	44.10		74.94	
				166.2	191.3		25.1	1.96	4.14	0.02	46.25		78.60	
			Core recovery - 100% throughout	166.2	171.6		5.4	1.25	0.12	0.008	54.22		92.14	

FOOTAGE		SECTION 1" =	DESCRIPTION	SAMPLE NO.			ASSAYS
FROM	TO			FROM	TO	LENGTH	
190	192		Silicified mudstone; light grey, poor banding, no obvious calcite, minor pyrite, no galena or sphalerite.				
192	420.3		Footwall, banded, calcareous shale; bands approximately 1/4", alternating light and dark grey, made up of very thin laminae of light and dark mud in varying concentrations.				
			Calcite stringers at: (245') 10" calcite and quartz parallel to bedding				
			(254') 1" calcite parallel to bedding				
			(300') 1" calcite perpendicular to bedding				
			(320') 2" calcite parallel to bedding				
			(335-338) calcite and quartz, core angle = 0°, parallel to bedding				
			(395') 1/4" at 30° to bedding, core angle = 30°				
			Core angle of bedding:				
			(193') 55° (260') 0° (367') 15°				
			(202') 40° (258-278) approximately 0° (370') 25°				
			(207') 20° (292') 30° (375') 25°				
			(210') 0° (298') minor fold nose (380') 25°				
			(215') 25° (304-334) approximately 0°, wavy (385') 30°				
			(222') 5° (340') 25° (388') minor fold nose				
			(232') 0° (345') 25° (392') 25°				
			(236') 0° (347') 15° (398') 25°				
			(238') 15° (352') 30° (406') 0°				
			(245') 25° (357') 0-5° (411') 35°				
			(255') 20° (360') 5° (417') 20°				
			(418') 35°				
			(420') 30-35°				
			Broken core (211-214), (219-220), (332-335)				
			Boudinaged bands (353-367) moderate				

FOOTAGE		SECTION " =	DESCRIPTION					ASSAYS				
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	Pb %	Zn %	Ag oz/ton	Ba %	
420.3	487	(cont'd)	464-470) mud in barite 25-35% mud in fragments, (no bands), coarse sphalerite and galena; sphalerite % much greater than galena, 6" mud band at 469.5	M78-7-14	463	466	3	0.03	11.8	0.01	36.94	
				M78-7-15	466	469	3	0.05	4.11	0.01	34.90	
			(470-472) barite, with minor mud, fine grained sphalerite associated with silica fragments, mud in matrix also with fine grained sphalerite and galena.	M78-7-16	469	472	3	2.04	8.80	0.05	36.64	
				M78-7-17	472	475	3	0.15	7.16	0.02	35.96	
			(472 - 483) 10 - 30% Silica fragment in barite, pyrite association with Silica fragment, mud in matrix also with fine grained sphalerite and galena	M78-7-18	475	478	3	0.14	5.74	<0.01	12.58	
				M78-7-19	478	481	3	0.24	4.26	<0.01	18.85	
				M78-7-20	481	484	3	0.24	4.43	<0.01	0.64	
			(483 - 487) barite less than 20% mainly mud and Silica fragment, medium grain sphalerite and galena, approximately 1% pyrite associated with silica fragment	M78-7-21	484	487	3	0.45	2.44	<0.01	0.55	
				AVERAGES (Feet)								BaSO ₄
487	517		Limestone; light grey to white, very fine grained to cryptograined, containing variable amounts of brown to grey brown mud.	421	432.8	11.8	8.66	6.62	0.07	36.55	62.11	
				432.8	443.8	11.0	0.04	0.12	<0.01	57.15	97.12	
				443.8	487.0	43.2	0.76	5.66	0.01	32.92	56.01	
				421.0	487.0	66	2.05	4.91	0.02	37.61	63.91	
			(487 - 492) limestone: with approximately 25% mud, up to 3" fragments.	AVERAGES (Metres)								
				128.3	131.9	3.6	8.66	6.62	0.07	36.55	62.11	
			(492 - 517) limestone; with minor mud and minor pyrite grains less than 1/16"	131.9	135.3	3.4	0.04	0.12	<0.01	57.15	97.12	
				135.3	148.4	13.1	0.76	5.66	0.01	32.92	56.01	
			Core angle in mud (485') - 35° (495') - 40° (496') - 40°	128.3	148.4	20.1	2.05	4.91	0.02	37.61	63.91	

PROPERTY Mel	TP OR AREA	AZIMUTH 90° Grid	DATE STARTED February 14/79	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE
PROJECT 6250	LOT & CONC.	DIP -50°	DATE COMPLETED February 16/79	100 m	-50°		
CLAIM NO. Jean-3	CO-ORDINATES. 10,003.5	LENGTH 114.9 m	DRILLED BY E. Caron				
GRID NO.	9879.6	COLLAR ELEV. 912.9	LOGGED BY D.C. Miller				

METREAGE		SECTION 1"=	DESCRIPTION BQ CORE	ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH
0	6.1		Overburden, no core				
6.1	86.2		Limestone, pale grey, f.g., 5% brown muddy clasts and bands at various angles but mostly at 60-80°, muddy clasts with some fine grained pyrite, also about 3% medium-grey limy clasts				
			(6.1 - 12.5 m) broken core 7 cm or smaller, breaks mainly @ 80° minor rusty discoloration, 90% recovery				
			9.1 m - prominent fracture @ 80° with 2 cm of gouge				
			banding 85° @ 12 m				
			(12.1 - 18.8 m) as above but better core, 90% recovery, prominent medium grey limestone clast @ 14.2 m (3 cm),				
			12 cm of grey-brown mudstone @ 16.0 m, rusty fractures @ 50° @ 16.1 m - rusty, leached, broken				
			(18.8 - 25.3 m) 95% recovery, core in pieces to 16 cm, 85° banding @ 23 m, 10 cm mudstone @ 22.8 m, 70° banding, 5% rusty discoloration, core breaks mainly @ 50-80°, broken @ 22.5 m with 5 cm mudstone				
			(25.3 - 32.3 m) 95% recovery, core in pieces to 30 cm, no visible banding, leaching and rusty discoloration along fractures and breaks mainly @ 50-80° but some @ 20-30°, prominent fracture @ 70° with 2 cm leached @ 25.4 m				
			(32.3 - 38.7 m) 95% recovery, good core as above, 70° banding, discolored, leached fractures @ 36.5, dark grey dolomitized limestone @ (37.0 - 37.5 m).				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
28.90	74.20	Banded light and dark grey, calcareous, mudstone. Partings parallel to banding have a phyllitic character. Local boudinage effect from tiny fractures at steep angles to banding. Rare local fine grained pyrite parallel to banding. Sometimes dark bands are less calcareous than light bands, but not in all cases.				
		(28.90 - 46.80) as above				
		10 cm poorly recemented breccia at 44 m				
		Core Angles 28.90 m 70°				
		30 15°				
		31 25°				
		32 40°				
		37 30°				
		45 35°				
		(46.80 - 60.70) as above				
		Core Angles 48.5 m 45°				
		53.3 m 35°				
		57 m 55°				
		60 m 50°				
		(60.70 - 74.20) as above, some tendency towards more frequent, thicker, light colored calcareous bands, especially (60.70 - 67)				
		Core Angles 61 m 45°				
		68 m 45°				
		71 m 40°				
		74 m 40°				
		Broken core and calcite veining at 70.70 m. Calcite veining (white) approximately 45° - 90° to banding shows stages, some pre-dates axial plane and bedding transport, some post-dates.				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
74.20	251.80	Wavy banded limestone: A gradational change is seen in which light grey calcareous bands become thicker and predominate. Dark bands surround light nodules and bands. Locally dark banding is absent or appears as anastomosing wisps or stylolites.				
		(74.20 - 87.70) Core broken in smaller pieces, parallel with banding. Light grey calcareous band predominates. Large calcite veins (10-30 cm) at: (77.0 to 77), (79.5) and (85.7 to 87.70). Core is contorted and broken near calcite.				
		Core Angles				
		75 m 35°				
		80 m 35°				
		83 m 35°				
		85.5 m 35°				
		(87.70 - 100.9) as above; no large calcite veins, good boudinage effect from anastomosing dark material around light nodules.				
		Core Angles				
		88 m 45°				
		92 m 40°				
		96 m 60°				
		99 m 50°				
		(100.9 - 115.50) as above; calcite veining (105.1 to 105.3 m) and (110.0 to 110.85 m). Small gauge zones at 103.50, 104.20, 105.40, 105.80 and 109.40.				
		Core Angles				
		102 m 50°				
		105 m 40°				
		109 m 40°				
		113 m 10°				
		115.5 m 25°				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
74.20	251.80	(115.50 - 130.00) as above;				
(cont'd)						
		Core Angles 116 m 50°				
		119 25				
		125 25				
		128 25				
		Fold Nose (minor warps, open folding) 121.00 m and 125.5 m				
		(130.00 - 144.10) as above;				
		Core Angles 131 m 20°				
		135 25				
		139 30				
		144 25				
		(144.10 - 158.2) as above; granulated light grey boudinaged limestone in dark matrix is common; *except for (148.3-149.7) where massive light grey limestone with dark stylolites occurs.				
		*This unit was also found in later holes and may constitute a marker horizon.				
		Core Angles 145 m 30°				
		150 30				
		154 0				
		156 30				
		(158.20 - 172.2) textures as above; however darker colored due to abundance of dark banding. Still wavy anastomosing texture.				
		Core Angles 159 m 15°				
		164 20				
		167 20				
		172 0				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
74.20	251.80	(172.2 - 186.15) as above; abundant cataclastic boudinage texture. Gouge zone at 181 m and 182.10 m. Calcite filled fractures at 181.80 m. Extensive length of core angles of 0° from (183 to 186.15).				
	(cont'd)					
		Core Angles 173 m 0-15°				
		177 m 10°				
		(183 to 186.15) 0°				
		(186.15 - 199.00) as above; section marked by shaly gouge zones at (191.0 - 191.3) and (192.2 - 192.6). Calcite veins at 197 and 198. Abundant cataclastic boudinage texture.				
		Core Angles 187 m 5°				
		190 m 0°				
		194 m 0°				
		199 m 5°				
		(199.00 - 213.50) as above; larger calcite veins at 200.90 and 204.40. Beds parallel to core angles from (204-207).				
		Core Angles 200 m 40°				
		202 m 35°				
		(204-207) 0°				
		211 m 20°				
		(213.50 - 227.70) as above; gouge zones at 219, 221.7 and 224.7. Large (5cm) carbonate veins associated with gouge zone at 219, also carbonate in gouge zone at 221.7.				
		At 217 m and (222 -226 m) numerous small (1-3 mm) calcite veinlets at 80-90° to core axis and 30-70° to bedding.				
		Core Angles 214 m 15°				
		217 m 20°				
		222 m 20°				
		227 m 65°				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
74.20	251.80	(227.70 - 240.40) as above; carbonate veins at 229, (232.5-232.9), 234.65, (235.0-235.4) and 237.9. Local area of fault breccia at 233.80.				
	(cont'd)					
		Core Angles 228 m 55°				
		234 m 60°				
		237 m 60°				
		240 m 60°				
		(240.40 - 251.80) as above; calcite veins at 248.20, 250.70, 251.40 and 251.76. Gouge zones at 249.70 and 251.60. Section is transitional to banded light and dark grey calcareous mudstone, bedding is highly contorted in the transition from (248 m) to 251.80 m). The number of light calcareous bands decreases from +70% to -30% over the transition interval.				
		Core Angles 242 m 40°				
		247 m 65°				
		250 m 60°				
251.80	283.00	Banded light and dark grey, calcareous mudstone; light grey calcareous beds are frequently boudinaged due to low angle, cross-cutting fractures; rare local fine-grained pyrite. Unit can be distinguished from wavy banded limestone above by predominance of dark calcareous mudstone in section.				
		(251.80 - 255.45) as above;				
		Core Angles 252 m 40°				
		255 m 25°				
		(255.45 - 269.55) as above;				
		Core Angles 256 m 30°				
		261 m 50°				
		264 m 60°				
		267 m 10°				
		269 m 60°				

091022

PROPERTY MEL	TP OR AREA	AZIMUTH grid W	DATE STARTED February 26, 1979	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE Grid azimuth which is 2° east of true azimuth
PROJECT 6250	LOT & CONC.	DIP -57°	DATE COMPLETED March 1, 1979	54.8m -55°	273° *		
CLAIM NO. Jean 4	CO-ORDINATES. 9931.8	LENGTH 262.12 m	DRILLED BY Caron	109.7m -51°	266° *		
GRID NO.	10,145.0	COLLAR ELEV. 903.2 m	LOGGED BY W.P.B., D.H.	216.4m -47°	252°*		

METREAGE		SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS										
FROM	TO	1" =						Grid Azim.	Dip	Vert. Accum.	Coordinates							
0	3.05		Casing - Overburden															
3.05	91.10		Wavy banded limestone; light grey limestone with irregular wispy, at times anastomosing interlayers of dark fine grained calcareous mud. Light material is predominant. Occasional white coarse calcite bands up to 2 cm with minor pyrite cubes. Rare pyrite in patches.															
			(3.05 - 17.46) wavy banded limestone;															
			Core Angles 5.5 m 20°															
			9 20															
			13 0-5															
			15 0															
			(17.46 - 31.40) as above; from (29.0 to 31.4) open space fracture filling by coarse white calcite															
			Core Angles 19 m 5°															
			22 10															
			25 0															
			30 0-5															
			(31.40 - 45.45) as above; from (37.85 to 39.55) coarse, white, calcite vein with accompanying brecciation of limestone															
			Core Angles 32 m 0°															
			35 0															
			40 5															
			45 0-5															

EASTMAN SURVEY COORDINATES (from collar)				
Grid Azim.	Dip	Vert. Accum.	Coordinates	
			E	N
0	-57	-22.98	-14.92	0
27.4	-55	-67.91	-46.34	1.65
82.25	-51	-130.70	-97.07	-1.90
163.05	-47	-191.87	-151.31	-19.53
246.68	-47	-198.70	-157.37	-21.50
256.03	-47	-203.16	-161.32	-22.78

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
3.05	91.10	(45.45 - 59.10) as above; calcite vein at 57.2				
(cont'd)						
		Core Angles 47 m 0°				
		50 10				
		54 0				
		59 0-5				
		Core breaks in small pieces (48.5 to 53) usually less than 5 cm plates.				
		(59.10 - 72.80) as above; 68 to 70.40 core is broken into smaller pieces				
		Core Angles 61 m 10°				
		65 0-5				
		68 0-5				
		71 0				
		(72.80 - 87.20) as above; small calcite filled fracture zone at 80.40 m, broken zone from 72.80 to 74.20.				
		Core Angles 75 m 0°				
		80 10				
		83 0				
		86 10				
		(87.20 - 91.10) as above;				
		Core Angles 88 m 20°				
		90 15				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
91.10	105.9	Limestone; light grey, fine grained, stylolitic, with local areas of argillaceous partings. Fresh surfaces are medium grey. Stylolitic surfaces are variably oriented.				
		Core Angles 96 m 25°				
		99 40				
		102 0-5				
		Rare pyrite patches.				
105.9	221.55	Wavy band limestone (as previously described);				
		(105.9 - 115.3) as above; calcite veins at 108.5, 112, 112.5, 115				
		Core Angles 107 m 45°				
		109 10				
		111 70				
		114 0				
		(115.3 - 130.1) Wavy banded limestone; large number of calcite veins from (115.3 to 116). Large sections of massive limestone with stylolites, broken core from 122 to 125; not typical wavy banded limestone because of poor definition of wavy banding; no discrete light grey limestone pods.				
		Core Angles 118 m 50°				
		121 60				
		126 70				
		129 55				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
105.9	221.55	(130.1 - 144.1) Wavy banded limestone; several small calcite veins.				
	(cont'd)					
		Core Angles 131 m 55°				
		134 55				
		138 55				
		144 55				
		(144.1 - 158.1) as above; variable amounts of light and dark grey calcareous material, large calcite veins at 144.5, 153, 155 and 156.5, gouge at 156.2.				
		Core Angles 145 m 65°				
		148 90				
		151 70				
		158 70				
		(158.1 - 173.5) as above; large calcite vein (159 to 160 m) and 169.7 section contains larger proportion of soft argillaceous material from (170.4 to 172.2 m).				
		Core Angles 161 m 70°				
		165 85				
		169 90				
		173 40				
		(173.5 - 188.5) as above; large calcite-quartz veins at 178 to 178.7, 179.2, 177.5 and 177.1, strong, local intralayer folding.				
		Core Angles 174 m 55°				
		179 60				
		183 85				
		188 90				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
105.9	221.55	(188.5 - 202.0) as above; brecciated calcite vein roughly conformable at 201 m and 199.5 m. Abundant argillaceous interbeds from (199.7 - 201). Core Angles 190 m 90° 193 80 197 80 202 85				
(cont'd)						
		(202.0 - 215.8) as above; quartz-carbonate veins at 204, 205.7, 206 and 212.8; argillaceous interbeds comprise about 30% of the section. Core Angles 205 m 55° with kink folds 208 80 211 75 215 75				
		(215.8 - 221.55) as above; quartz-carbonate veins at 221 and 221.4. Core Angles 216 m 75° 219 90				
221.55	246.68	Banded light and dark grey, calcareous mudstone. As in other sections the unit is delineated by a large proportion (greater than 40%) of dark grey calcareous mudstone; wavy banded texture is still obvious in more calcareous areas. (221.55 - 229.7) as above; quartz-carbonate veins at 225 and 227 Core Angles 223 m 80° 227 85				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
246.68	256.03	Ore Zone - massive, barite-galena-sphalerite, with muddy sections siliceous patches and very minor calcite. Grade varies from barren barite through barite and galena or sphalerite, to high grade barite, galena and sphalerite zones.				
		(246.68 - 247.20) Mainly a barite host with moderate sphalerite and galena; includes a 5 cm thick well mineralized mud band; upper contact with overlying mudstone is very sharp				
		Core Angle 70° at contact				
		(247.20 - 247.58) Grey-green, fine grained mudstone, non-calcareous with fine grained siliceous interlayers, weak sphalerite and galena mineralization.				
		(247.58 - 247.93) Barite-chert host with moderate mineralization, predominately sphalerite				
		(247.93 - 248.66) Massive barite; most of section is barren of sulphides however from (248.40 to 248.66) there are large patches of sphalerite and galena.				
		(248.66 - 249.26) Siliceous section with sphalerite and minor galena, mineralization weak.				
		(249.26 - 250.00) Massive barite host; to the base of the section at 249.75 there is some included chert and large patches of sphalerite with very minor galena.				
		(250.00 - 256.03) Massive barite with high grade patches of galena and sphalerite, commonly associated with grey-green mudstone. From (250.25 to 250.45) large band of grey-green mudstone From (254.80 to 255.80) large patches of grey-green sericitized mudstone, small areas of sphalerite throughout mudstone. Generally well mineralized throughout.				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
		(159.3 - 172.9) wavy banded limestone; quartz-calcite veins at 160.6, 161, 168.6 and 169 and associated with gouge zone at 169.9. Small calcite veinlets perpendicular to bedding throughout section.				
		Core Angles: 160 m 45°				
		164 40				
		167 45				
		172 40				
		(172.9 - 187.1) as above; whole section contains small calcite veinlets, cutting darker beds at steep angle to bedding.				
		Core Angles: 174 m 40°				
		178 40				
		182 40				
		186 40				
		(187.1 - 201.6) as above; small calcite veinlets at 90° to core axis cutting all dark bands.				
		Core Angles: 188 m 45°				
		194 50				
		197 50				
		201 45				
		(201.6 - 216.1) as above; small calcite veinlets oriented from perpendicular through 45° to bedding				
		Core Angles: 203 m 50°				
		206 45				
		216 55				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
		(216.1 - 230.3) as above; small calcite veinlets as in previous sections do not appear below approximately 217 m Core Angles: 217 m 55° 220 55 224 55 228 55				
		(230.3 - 234.4) as above; Core Angles: 231 m 50° 234 55				
234.4	256.6	Banded light and dark grey, calcareous mudstone. Unit contains greater than 40% dark grey, calcareous mudstone and is gradational over at least 10 m with the wavy limestone; minor carbonate veining.				
		(234.4 - 244.7) as above; carbonate vein at 239.6 Core Angles: 236 m 60° 239 70 243 60				
		(244.7 - 256.6) as above; Core Angles: 245 m 65° 251 70 255 65				
256.6	260.25	Green to grey, laminated siliceous mudstone; not calcareous. Unit consists of greenish chloritic (?) beds intercalated with bluish-grey siliceous beds; has minor pyrite stringers conformable to bedding. Core Angles: 257 m 80° 258 70 260 75				
		(259.56 - 260.25) barite veins and stringers make up 10% of rock giving slight brecciated appearance. Minor pyrite and sphalerite as fine grains (less than 1 mm) appear with the barite. Very weak mineralization.				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
53.9	190.3	(96.2 - 109.6) as above; sealed breccia zone at 105 m, 15 cm long, small calcite veins throughout section, thicker light bands from (106.3 - 109.6)				
(cont'd)						
		Core Angles 97 m 40°				
		102 20				
		104 50				
		108 40				
		(109.6 - 123.8) as above; broken core (not gouge) (112.5 - 114.3), extensive section of 0-5° core angles from (114.3 - 123.8), at 112 m 40° core angle				
		(123.8 - 138.4) as above; section contains about 80% light grey calcareous beds and is slightly more massive than wavy limestone in general				
		Core Angles 124 m 20°				
		129 20				
		133 35				
		138 30				
		(138.4 - 153.7) as above; section also shows dominance of light grey calcareous beds, open carbonate vein at 140.8 m				
		Core Angles 139 m 40°				
		143 60				
		148 60				
		153 65				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
53.9	190.3	(153.7 - 168.8) as above; carbonate veins with minor quartz veins at 163.4 and 167 m				
	(cont'd)	Core Angles 156 m 55°				
		161 65				
		163 65				
		168 60				
		(168.8 - 183.1) as above; carbonate vein at 175.2 m, small carbonate veinlets perpendicular to bedding in dark calcareous mud at 175 m				
		Core Angles 171 m 60°				
		174 65				
		179 55				
		182 70				
		(183.1 - 190.3) as above; small calcite veinlets from (188.7 - 190.3) occur in the darker bands				
		Core Angles 186 m 55°				
		190 65				
190.3	194.8	Stylolitic limestone; light to medium grey, stylolites unevenly distributed throughout. Some parts of the section show fine dark grey argillaceous partings.				
194.8	289.0	Wavy banded limestone as described previously.				
		(194.8 - 197.3) as above; section has more light grey material than is typical for the wavy banded limestone				
		Core Angles 197 m 60°				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
194.8	289.0	(197.3 - 211.7) as above; massive carbonate section with some stylolites at 201 m. Large quartz-carbonate vein from (209.7 - 210 m), small carbonate veins throughout section, from 197.3 to 208 m the section contains more light carbonate beds than wavy limestone in general. The darker beds tend to be very thin and form a "chicken wire" texture about the light, limy nodules. From (208 - 211.7 m) the dark beds are much thicker than above and folding is observed.				
	(cont'd)					
		Core Angles 198 m 50°				
		203 50				
		207 50				
		211 45				
		(211.7 - 225.7) as above; shows many variations on shape of light and dark mud bands and pods. Also variable ratio of light to dark material. Not mappable units however and changes are gradational. Several quartz-carbonate veins (5 cm thick). White stringers and veinlets of calcite at steep angles to bedding occur only in dark argillaceous material. It gives the core a "tiger stripe" appearance from (220 - 225.7).				
		Core Angles 212.5 m 45°				
		217 50				
		221 65				
		60				

SECTION		DESCRIPTION	ASSAYS			
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH
194.8	289.0	(225.7 - 240.6) as above; calcite vein at 230 m, tiny white veinlets in dark bands ("tiger texture") from (234.5 - 237) and (240 - 240.6)				
(cont'd)		Core Angles 227 m 55°				
		231 65				
		236 55				
		240 65				
		(240.6 - 255.0) as above; section contains 10 cm thick light grey limestone beds at 240.7, 241 and 251.5 m. There is a predominance of light grey limestone in this section. Dark bands contain a minor number of cross-cutting calcite veinlets.				
		Core Angles 242 m 55°				
		246 60				
		251 60				
		254 60				
		(255.0 - 269.4) as above;				
		Core Angles 256 m 60°				
		261 60				
		264 65				
		269 60				
		(269.4 - 283.6) as above; massive stylolitic limestone (274.6 - 274.9 m). Elsewhere in this section the proportion of dark to light bands has increased and some sections have the appearance of dark calcareous mudstone, although overall this is still the wavy banded limestone.				
		Core Angles 270.5 m 60°				
		274 80				
		279 80				
		282 75				

SECTION		DESCRIPTION	ASSAYS								
FROM	TO		SAMPLE NO.	FROM	TO	LENGTH	% Pb	% Zn	% Ba	oz/ton Ag	% Ba So ₄
		(328.84 - 329.63) The predominant constituent of this section is silica, microcrystalline in the upper portion giving way to massive white quartz for the last 13 cm. Galena occurs as large patches in the silica with minor amounts of mud associated with it. The grade is very good. Sphalerite as distinct grains is weakly scattered throughout except for several small patches of clusters of grains.	88289	328.84	329.63	0.79 m	10.4	1.70	1.13	0.10	1.92
		Mud bands at 328.84 have 70° core angles. Carbonate bands occur with the mud. Carbonate is rare below 329.90 m.									
		100% recovery.									
		(329.63 - 330.57) Very high grade galena and sphalerite mineralization. Galena: Sphalerite ratio is approximately 1.5:1. Galena occurs as large patches, whereas sphalerite occurs as up to 1 cm grains and clusters of grains. Grey mud patches comprise 40% of the section. Locally mud and galena intermixed provide a matrix around the large sphalerite grains. Silica and rare calcite also appear as matrix. The lower boundary of this zone is taken as the lower limit of large galena patches. Very strong sericitic alteration of mud from (330.67 - 330.93) giving the ore an extremely friable nature.	88290	329.63	330.57	0.94	12.5	20.2	1.79	0.18	3.04
		Core recovery 100%.									
		(330.57 - 331.52) Weak galena, sphalerite and pyrite occur in mud, silica and minor calcite. Sulfides occur as discreet grains. Mud bands and patches appear to surround silica patches. Some silica occurs as fragments. Mud: silica ratios increase from 1:3 near the top of the section to 2:1 at the bottom. The lower contact is a very sharp transition to limestone. The contact has a 77° core angle.	88291	330.57	331.52	0.95	1.17	0.49	2.50	0.03	4.24
		Recovery is 100%.									
			<i>average</i>	328.84	331.52	2.68	7.86	7.76	1.85	0.10	3.14

