

ASSESSMENT REPORT  
ON  
PHYSICAL SURFACE WORK & DIAMOND DRILLING  
PERFORMED ON THE  
WINDY 2, 3, & 4 CLAIMS  
BY  
SHELL CANADA RESOURCES LIMITED  
JUNE 12 - JULY 31, 1981  
NTS 104P/5W  
59°20' N  
129°52' W

81#671.  
- 9406

9406

G. W. MOFFAT, P. ENG.

AUGUST 1981

## INTRODUCTION

During the period June 12 - July 31, 1981, Shell Canada Resources Limited carried out road construction, trenching and 756.98 metres of diamond drilling on the Windy 2 claims of the McDame Project.

Information pertaining to the surface work and three of the six holes (81-A-1, 81-A-2 & 81-A-5), totalling 234.12 metres is summarized in this report. Assessment work credits are to be applied to the Windy 2, 3, & 4 claims.

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## 1. PROPERTY

The McDame property is composed of ten contiguous claims, totalling 109 units, centered approximately 4 km due north of the Town of Cassiar, B.C. in the Liard Mining Division, NTS 104P/5W.

A list of the group names, claim numbers and expiry dates are summarized below:

Schedule of Lands - McDame Project

<u>Record No.</u>	<u>Claim Name</u>	<u>Recording Date</u>	<u>Units</u>	<u>Hectares</u>
*597	Windy 2	Aug. 1/78	12	300
*598	Windy 3	Aug. 1/78	9	225
*599	Windy 4	Aug. 1/78	12	300
693	Balsam 1	Oct. 20/78	12	300
694	Balsam 2	Oct. 20/78	6	150
775	Karhu 1	June 6/79	18	450
776	Karhu 2	June 6/79	18	450
777	Karhu 3	June 6/79	8	200
1698	Ono 1	Nov. 10/80	8	200
1699	Ono 2	Nov. 10/80	6	150
Total:			109	2,725

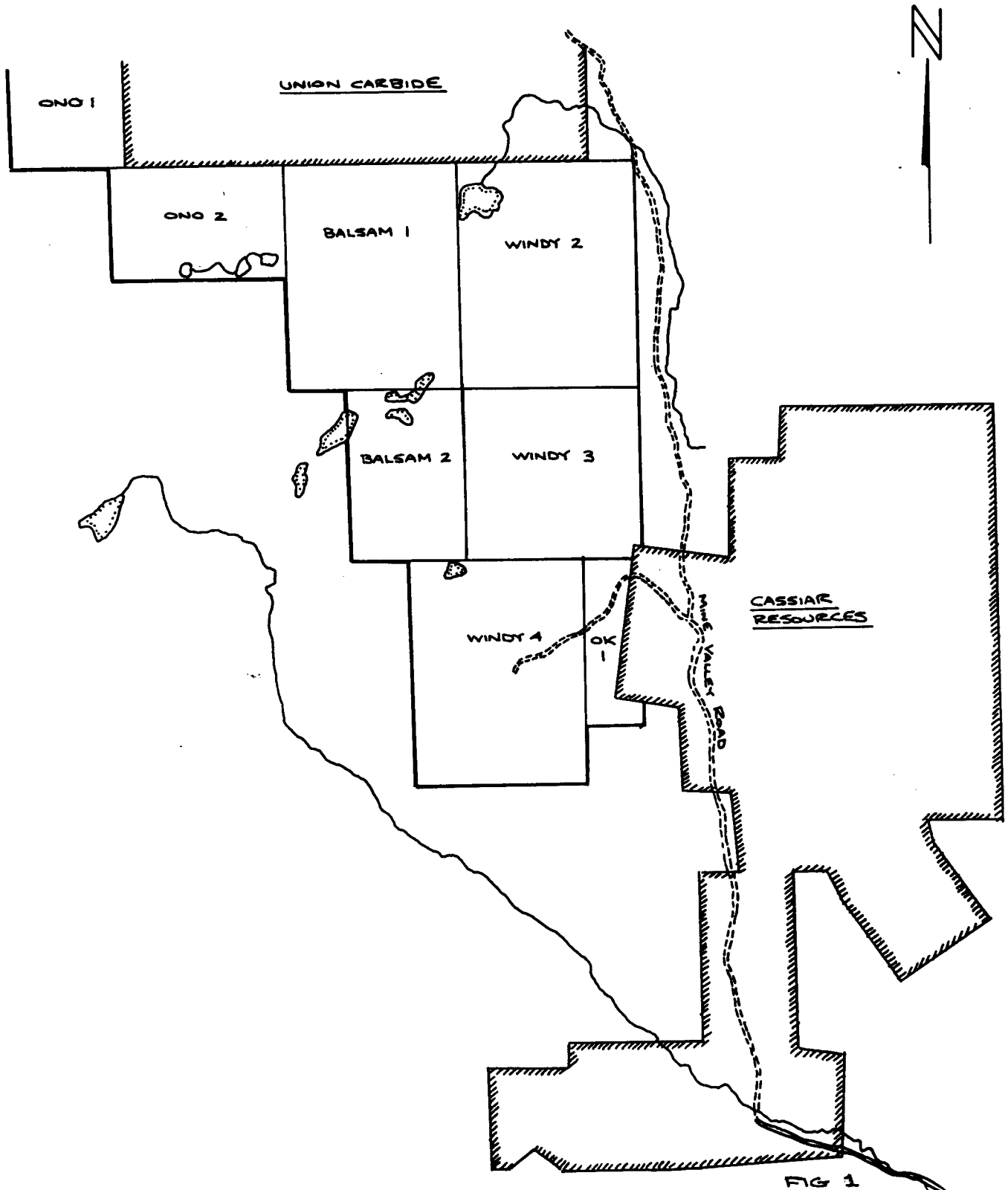
\* Assessment work to be applied to this claim grouping.

## 2. LOCATION AND ACCESS

Cassiar is accessible by road from Watson Lake, Yukon Territory on the Trans Alaska Highway, 145 km (90 miles) to the north, or from Stewart, B.C., 470 km (294 miles) to the south. CP Air offers daily flights from Watson Lake to Vancouver, Edmonton and Whitehorse.

The McDame property lies within rugged alpine terrain. Mountain peaks reach elevations of 1950 m, a vertical rise of 600 m above the valley floors.

The Balsam 1 & 2 and Windy 2, 3, & 4 claims, forming the southern half of the property, are accessible by 4-wheel drive vehicle from Cassiar via the Cassiar Mine Valley Road (Figure 1).



LOCATION SKETCH  
WINDY 2, 3 & 4 CLAIMS  
McDAME PROJECT  
SHELL CANADA RESOURCES  
CO. LTD.  
 NTS, 104 P/5W  
 1:50,000 AUG. 1/88

### 3. ROAD CONSTRUCTION

#### 3.1 Upgrading of Existing Property Access Road

A D-6 cat (#31) was contracted from Grant Stewart Construction Ltd. of Watson Lake, Yukon Territory on June 17th and 18th to clear snow and upgrade sections of the Cassiar Mine Valley Road and McDame Property access road. A total of 18 machine hours (D-6) were used to upgrade 2.065 km of single lane haul road which averages 4 metres in width.

<u>Date</u>	<u>Machine Hours</u>	<u>Operator Hours</u>	<u>Operator Travel</u>	<u>Contractor's Truck</u>
June 17	10	10	1	1
June 18	<u>8</u>	<u>8</u>	<u>1</u>	<u>1</u>
Total Hours	18	18	2	2

#### 3.2 Construction of New Road

Approximately 2.960 km of new drill road was constructed during June to provide access to the Kuhn Zone and Dead Goat Zone drill setups for the July program.

This work included an 850 metre long switchback cut north along the west-facing slope overlooking the Kuhn Zone (L0 to L6+00N).

Approximately 5000 cubic metres of talus rubble had to be moved during the construction of the switchback.

All new road construction was completed between the dates June 23 - July 2, 1981, employing Grant Stewart's D8H cat (#51).

<u>Date</u>	<u>Machine Hours</u>	<u>Operator Hours</u>	<u>Operator Travel</u>	<u>Contractor's Truck</u>
June 23	5	5	1	1
June 24	9.5	9.5	2	1
June 25	9.5	9.5	2	1
June 26	9	9	1	1
June 27	9	9	2	1
June 28	8	8	2	-
June 29	9	9	2	-
July 2	<u>10</u>	<u>10</u>	<u>2</u>	<u>1</u>
Total Hours	59	59	14	5



#### 4. TRENCHING

Approximately 246 cubic metres of overburden was moved by D8H cat to extend and deepen the east and west ends of the Kuhn Zone A-3 trench situated on L2+00N 1+00E.

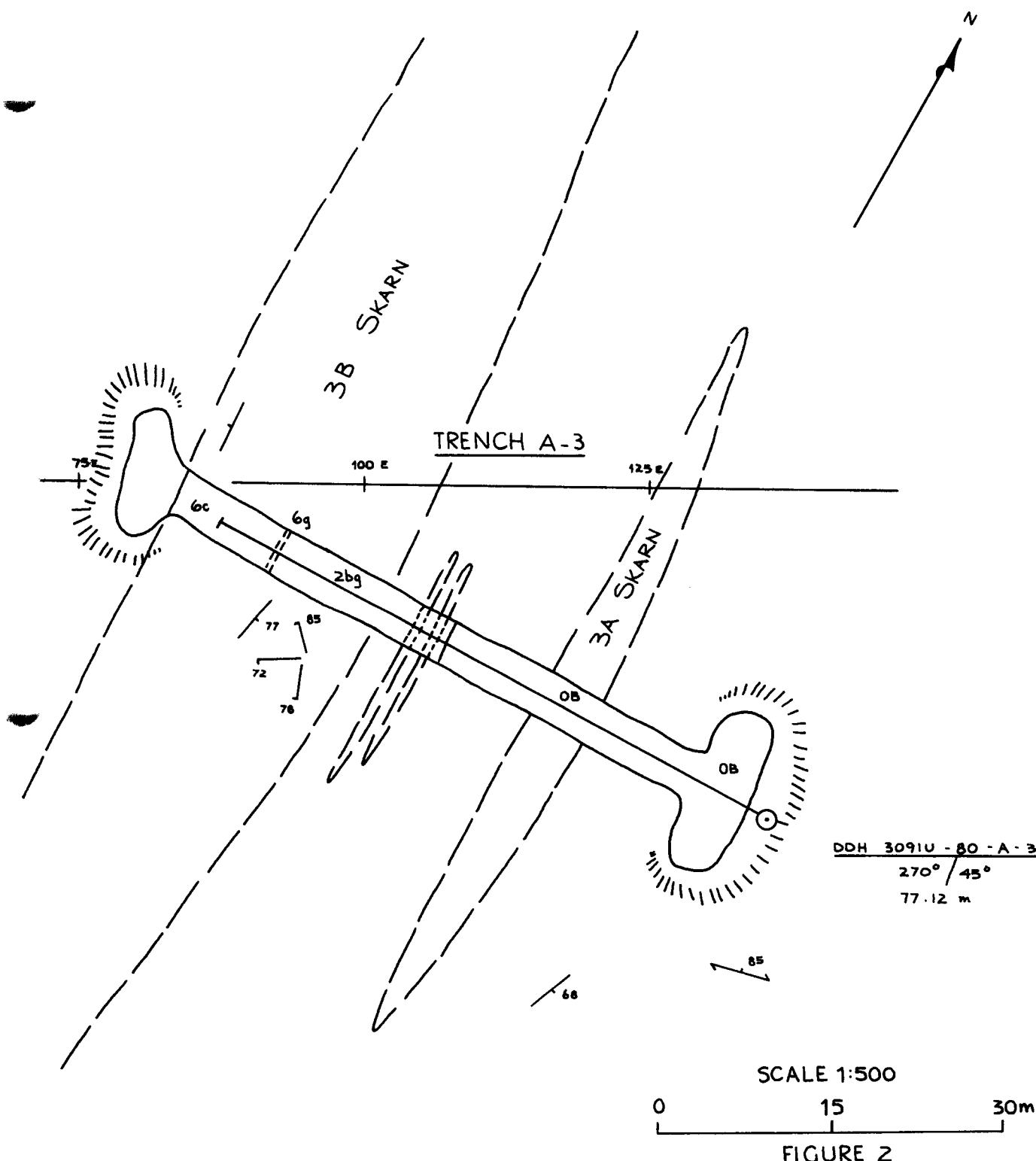
The trench, originally measuring 55 metres in length was extended an additional 5.5 metres west, exposing the 3B skarn for sampling (Figure 2).

A 15 metre x 5 metre cross-trench, striking north-south was also cut across the east end of the main trench in an attempt to expose the 3A skarn zone. Overburden and talus rubble proved to be too deep to expose bedrock.

The trench extensions average 3 metres in depth by 5 metres in width.

<u>Date</u>	<u>Machine Hours</u>	<u>Operator Hours</u>	<u>Operator Travel</u>	<u>Contractor's Truck</u>
June 30	1.5	1.5	2	-
July 1	<u>4</u>	<u>4</u>	<u>2</u>	<u>1</u>
Total Hours	5.5	5.5	4	1

A surface plan showing the location of the roads and trench work is included in Appendix I.



LEGEND

- 6c Massive Pyroxene Skarn
- 6g Tremolite Skarn
- 2b Mottled & Zebra-textured Limestone/ Marble
- 2g Massive to weakly banded Dolomite
- OB Overburden

3091U  
A-3 TRENCH PLAN  
KUHN ZONE  
 McDAME PROPERTY  
 NTS 104 P/5W

## 5. DIAMOND DRILLING

Six BQ sized drill holes totalling 756.98 metres were drilled on the Windy 2 claim between the dates July 12 - July 31, 1981.

The collar location data and geology intersected in holes 81-A-1, 81-A-2, and 81-A-3 are summarized below:

### 5.1 DDH 81-A-1

Collar Location: L18+00N 6+25E  
 Attitude: 270°/70°  
 Final Depth: 20.73 m  
 Dates Drilled: July 12 - 13, 1981

Hole 81-A-1 was collared over a broad 59,100 gamma magnetic anomaly centered under L18+00N 6+00E.

Computer modelling indicates the magnetic response is produced by a cylindrical body, 50 metres in diameter, positioned at a depth of between 80 - 110 metres below surface.

The hole had to be abandoned in overburden at a depth of 20.73 metres when excessive water flow from an artesian spring caused sanding of the rods and casing.

### 5.2 DDH 81-A-2

Collar Location: L10+00N 3+50E  
 Attitude: 270°/60°  
 Final Depth: 101.83 m  
 Dates Drilled: July 14 - 15, 1981

The purpose of 81-A-2 was to test a 59,300 gamma bulls-eye magnetic anomaly situated along the projected Atan hornfels-carbonate contact.

The hole intersected 95.44 m of mottled grey and white Upper Atan dolomite containing seventeen pyrrhotite-pyrite-chlorite skarn seams averaging 2 to 26 cm in width.

Pyrrhotite, chlorite and minor amounts of quartz form fine lamellae bands containing disseminated grains of pyrite.

A fine dusting of powellite occurs with the pyrrhotite in several of the seams, however only one or two scheelite grains were noted.

The greatest concentration of skarn seams occurs at a core depth of 44.70 - 48.70 metres which lies directly downdip from the centre of the magnetic anomaly.

### 5.3 DDH 81-A-5

Collar Location: L6+00N 3+50E  
Attitude: 270°/60°  
Final Depth: 224.39 m  
Dates Drilled: July 24 - 28, 1981

Hole 81-A-5 was drilled to test the northern end of a series of magnetic anomalies extending along the projected extension of the Kuhn Zone skarn.

Nineteen separate chlorite-pyrrhotite-magnetite-pyrite skarn seams were intersected between 27.70 - 212.07 metres, within mottled to weakly banded Upper Atan dolomites. Most range between 0.3 - 0.6 m in width.

The mineralogy of the skarn seams is very similar to those intersected in DDH 81-A-2. Finely disseminated powellite occurs in the pyrrhotite rich portions of the seam.

The most dense concentration of skarn seams occurs between 154.86 - 159.08 metres, which is consistent with the position of the magnetic response on surface.

Copies of the drill logs for holes 81-A-1, 81-A-2, and 81-A-5 are included in Appendix I.

The drill core from the three holes is presently being stored at Grant Stewart Construction's Cassiar warehouse on the outskirts of town.

D. W. Coates Enterprises of Kamloops, B.C. completed all drilling on the McDame Project during the 1981 field season.

## 6. SUMMARY OF EXPENDITURES

1. Road Upgrading (June 17 - 19, 1981) - D6 Cat #51

*Mobilization - \$463.25/3 (Quartzrock Cr. - Cassiar)	\$ 154.42
Machine Time - 18 hrs @ \$76.00/hr.	1,368.00
Operator Travel - 2 hrs. @ \$28.00/hr.	56.00
Contractor Vehicle - 2 days @ \$45.00/day	90.00
	<u>\$ 1,668.42</u>

2. Drill Road Construction & Trenching  
(June 23 - July 2, 1981) - D8H Cat #31

*Mobilization - \$1495.50/3 (Watson L. - Cassiar)	\$ 498.50
Machine Time - 74.2 hrs. @ \$140.00/hr	10,430.00
Ripper Time - 4 hrs @ \$15.00/hr.	60.00
Operator Travel - 10 hrs @ \$28.00/hr.	280.00
Contractor Vehicle - 5.5 hrs. @ \$45.00/day	247.50
	<u>\$11,516.00</u>

Total Cost of Physical Work:

\$13,184.423. Drilling (July 12 - 13; July 14 - 15;  
July 24 - 28, 1981)

	<u>81-A-1</u>	<u>81-A-2</u>	<u>81-A-5</u>
*Mobilization (to Cassiar)	2,746.13	-	-
Moving (to 1st hole)	162.40	-	-
Setup & Teardown	301.60	139.20	139.20
Laying Waterlines	278.40	-	23.20
Overburden Drilling	1,451.10	427.00	491.40
Core Drilling	-	6,715.46	15,313.04
Reaming Casing	-	46.40	611.20
Hole Stabilization	798.00	-	-
Acid Tests	-	-	46.40
Crew Travel Time	111.25	178.00	400.50
Contractor Vehicle	110.00	40.00	100.00
Tractor Rental	405.00	270.00	675.00
Tractor Operation	440.00	280.00	200.00
Kwikthik Mud	144.00	-	96.00
Core Boxes	-	140.00	300.00
Bits Used	350.00	-	500.00
	<u>\$ 7,294.88</u>	<u>\$8,236.06</u>	<u>\$18,896.04</u>
Total Drilling Cost			<u>\$34,429.98</u>

\*Mobilization charges have been divided between two other projects in the Cassiar area.

TOTAL REPORTED EXPENDITURES  
(June 17 - July 2, 1981)

\$47,614.40

## 7. QUALIFICATIONS OF AUTHOR

I, Gordon W. Moffat, hereby state that:

1. I am a Senior Geologist with Minerals Exploration of Shell Canada Resources Limited, P. O. Box 100, Calgary, Alberta.
2. I obtained a B.A.Sc. Degree in Geological Engineering from the University of Toronto in 1974.
3. I am a registered Professional Engineer with the Association of Professional Engineers of Ontario.
4. I personally supervised the work summarized in this report.



Gordon W. Moffat, P. Eng.  
Minerals Exploration  
Shell Canada Resources Limited



**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

**9406**

PAGE ① OF ①  
PROJECT NAME: Mc DAME  
PROJECT NO.: 31910  
HOLE/SEC. NO.: 31910 - 81 - A - 1

POLITICAL UNIT: .....

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: D.W. COATES JULY 12-13<sup>th</sup> / 81

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: G.W. MOFFAT

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	L 17 + 84 N	6 + 20 E		270°	- 70°	20.73m
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO: \_\_\_\_\_

CLAIM/PERMIT NO.: WINDY 2 (597)

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
	0.00 m.	OVER BURDEN - glacial sands : gravel											
	20.73 m	HOLE ABANDONED - artesian spring intersected ; rods : casing sanded.											

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_ SHEET INTERVAL: from.....to.....



**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 1 OF 7  
PROJECT NAME: McDAME  
PROJECT NO.: 31910  
HOLE/SEC. NO.: 31910-81-A-2

**9406**

POLITICAL UNIT: .....

DRILL GRID 0+95 N 0+32 E

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		N	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: D.W. COATES July 14<sup>th</sup> - 15<sup>th</sup> 81

LOGGING: .....

ASSAYING: CHEMEX LABS (VANCOUVER)

LOGGED BY: G.W. MOFFAT  
B.J. COOKE

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	<u>L10+00N</u>	<u>3+50E</u>		<u>270°</u>	<u>-55°</u>	<u>101.54</u>
SURVEY GRID	<u>N</u>	<u>E</u>		<u>AZ.</u>		

ADDITIONAL INFO: .....

CLAIM/PERMIT NO.: WINDY 2 (597)

LANDMARKS: .....

OTHER FEATURES: .....

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
	0.0	<u>OVERBURDEN : TALUS RUBBLE</u>											
	6.10	<u>MASSIVE TO WEAKLY BANDED GREY DOLOMITE</u> - med to dk gray ; some mottled sections - calcite veinlets @ 15-30° to CA. rimmed in selvages of sericite ; diopside - mildly brecciated @ 8.00 m 6.10 - 7.50 50% core recovery 8.40 hairlike calcite ; limonite filled fractures 0° - 70° to CA.	<u>10.00 50°</u> (banding)										
	12.40	<u>MOTTLED DOLOMITE</u> - gradational contact	<u>12.90 45°</u> (banding)										
	13.00	<u>MASSIVE GREY DOLOMITE</u> - as before	<u>14.25 65°</u> (banding)										
	15.00	<u>MOTTLED DOLOMITE</u> - as before - calcite - sericite veinlets @ 40° 15.00 - 15.17 PYRRHOTITE - PYRITE - CHLORITE SKARN - diffuse upper contact @ 65° - lower contact sharp @ 50° - minor pyroxene ; actinolite - pyrite = pyrrhotite											

SYMBOLS AND ABBREVIATIONS: .....

SHEET INTERVAL: from.....to.....

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 2 OF 7  
 PROJECT NAME: McDane  
 PROJECT NO.: 31910  
 HOLE/SEC. NO.: 31910 - 81 - A - 2

POLITICAL UNIT: \_\_\_\_\_

SUB. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		SEC	DEG LAT	MIN	DEG.LONG	MIN		

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
		15.65 - mottling fades, dolomite becomes more uniformly banded																	
		16.50 - hematite appears as major Fe oxide filling fractures; transition from limonite to hematite occurs between 16.00 - 16.50																	
		16.30 - 17.00 weak irregular dolomite bands																	
		18.30 - 18.85 mottled banding of darker dolomite bands; hematite occurs along brecciated fractures which have been filled with sparry dolomite.																	
		+19.50 - limonite dominated oxide																	
		18.85 - 19.95 MASSIVE FINE-GR. DOLOMITE																	
		19.95 - 20.25 Banded Dolomite	20.00 55°																
		- white sparry dolomite bands 2-3mm wide (30% vol) @ 55°	banding																
		20.25 - 21.05 MASSIVE FINE-GR. DOLOMITE																	
		20.64 - 20.67 CHLORITE - PYRITE - PYRRHOTITE SKARN																	
		- as before; sharp contacts @ 75°																	
		+22.75 hematite dominant Fe oxide																	
		22.23 - 22.27 CHLORITE - MAGNETITE SKARN																	
		@ 45° to C.A.																	
		24.30 - 25.50 MASSIVE F.G. GREY DOLOMITE																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 3 OF 7  
 PROJECT NAME: McDAME  
 PROJECT NO.: 31910  
 HOLE/SEC. NO.: 31910 - 61 - A - 2

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS												
	25.50 - 29.50	<u>WEAKLY BANDED DOLOMITE</u> - dk gray bands																		
	29.26 - 29.87	broken core 60% recovery																		
	29.50 - 30.85	hematite bands up to 0.75 m in sparry dolomite	30.40 45°																	
	30.85	<u>MASSIVE F.G. DOLOMITE</u>																		
	31.57 - 31.90	<u>BROKEN CORE</u>																		
	+ 32.40	limonite dominant Fe oxide																		
	33.03 - 33.07	<u>BANDED MAGNETITE - DIOPSIDE - CHLORITE SKARN</u> - bounded by calcite - sharp but wavy contacts @ 60°																		
	33.24 - 33.28	<u>BANDED MAGNETITE - DIOPSIDE - PYRITE SKARN</u> - as above but with accessory pyrite																		
	+ 35.35	Hematite dominant Fe oxide with subordiant limonite																		
	39.47 - 39.73	<u>CHLORITE - ACTINOLITE - PYRRHOTITE - PYRITE SKARN</u> - selvages of calcite along upper ; lower contacts - massive py - po - ep seam 0.45 m wide in core of skarn band. - sharp upper ; lower contacts @ 40°																		
	41.15 - 41.30	hematite filled fractures with calcite selvages.																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_



**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E	M
		1/4	UNIT	B	No.	L	POR
		N	SEC	DEG. LAT	MIN	DEG. LONG	MIN

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS												
	178.67	QUARTZ RHODONITE HORNIFELS - pale cream qtz with patchy pink rhodocite - rhodocite often clustered around chlorite-rich seams; fractures.																		
	179.50	WEAKLY MOTTLED DOLOMITE - extensively fractured, healed with chlorite and serpentine																		
	180.64	BANDED CHLORITE - PYRROTITE GARNET SKARN - contains qtz - Rhodocite Hornfels bands diss. py (in crude bands) @ 70°																		
	181.72	LT GREY WEAKLY MOTTLED DOLOMITE - speckled with chlorite and altered (orange) garnets																		
	185.30 - 185.65	CHLORITE - PO SKARN BAND																		
	185.95	BEIGE WEAKLY MOTTLED SILICIFIED DOLOMITE - random chlorite filled fractures.																		
	186.03 - 187.00	Chlorite Shear																		
	187.83 - 187.86	Chlorite - Po Skarn seam @ 45° to CA.																		
	187.75 - 188.30	} MASSIVE CREAM-WHITE DOL.																		
	188.90 - 189.30																			
	190.51	MASSIVE WHITE DOLOMITE - minor fracturing with chlorite, py, po infilling thicker fractures containing more sulphides																		
	196.25 - 196.63	diss. po. in crude bands @ 55°																		
	198.00 - 198.15	Chlorite - po band																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 16 OF 18

PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
	199.40	<p><u>WEAKLY MOTTLED LT. GREY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- fracturing, more prevalent @ 35° to CA.</li> <li>- diss. py, po, calcite thruout</li> <li>- talc: biotite in larger fractures</li> </ul> <p>200.10 waxy texture - banded po, py diopside, chlorite</p> <p>201.09 magnetite pseudomorphic after actinolite</p>																	
	202.50	<p><u>BANDED BIOTITE DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- f.g. dolomite with tight bands of biotite</li> <li>qtz rhodochroite</li> <li>- po: py diss thruout</li> <li>- irregular qtz filled fractures</li> </ul> <p>204.42 - 204.62 <u>Chloride - Diopside Stain</u></p> <ul style="list-style-type: none"> <li>- diss. po py; biotite @ lower contact</li> </ul>	203.50 60°																
	204.62	<p><u>MASSIVE GREY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- weakly mottled in places</li> <li>- after 205.00 becomes white in colour</li> <li>mod. siliceous, minor diss. py po: biotite in larger fractures</li> </ul>																	
	205.77	<p><u>MOTTLED LIMY STAINIFIED DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- streaked w stain patches</li> <li>- chlorite filled fractures, mod. silicified</li> <li>- calcite, py: po also healing fractures</li> </ul>	206.00 55°																

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 17 OF 16

PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
		U	SEC	DEG. LAT	MIN	DEG. LONG	MIN		

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
	208.73	<p><u>CHLORITE - DIOPSIDE SKARN</u></p> <ul style="list-style-type: none"> <li>- gradational contact with limey dolomite</li> <li>- lt. green diopside ; dk green chlorite containing diss. po thruout</li> <li>- MoS<sub>2</sub> in 0.5 cm blebs near upper contact</li> <li>- pyrrhotite most prevalent in diopside rich sections</li> <li>- diopside ? chlorite</li> </ul>	208.73 55° contact																
	212.07	<p><u>QUARTZ - (RHODONITE) HORNIFELS</u></p> <ul style="list-style-type: none"> <li>- decreasing amount of diopside - chlorite skarn patches</li> <li>- fractures 25-30° healed with biotite, qtz po, py, chlorite ; minor calcite, talc.</li> </ul> <p>212.63 - 212.63 <u>PYRRHOTITE - CHLORITE</u></p> <p><u>DIOPSIDE SKARN</u></p> <ul style="list-style-type: none"> <li>- diss. py ; minor cpy</li> <li>- contacts @ 35° to 45°</li> <li>- chlorite rich band with py, po along lower contact</li> </ul>																	
	213.18	<p><u>MASSIVE LT GREY LIMEY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- becomes fig. less calcareous after 213.69</li> <li>- diss.</li> </ul>																	
	214.14	<p><u>MOTTLED LT GREY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- random calcareous patches (remnant fossiliferous)</li> <li>- fracturing → 30° healed with calcite</li> <li>- diss. talc, magnetite ; po thruout. minor chlor</li> </ul>																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
		SEC	DEG. LAT	MIN	DEG. LONG	MIN			

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
		chlorite banding with core of py: po @ 219.52m																	
	220.90 - 222.00	Siliceous brecciated material banded with limy dolomite																	
	220.00 - 223.42	Limy Dolomite - fractures filled w chlorite, calcite																	
		minor magnetite, po																	
	223.42 - 223.45	chlorite - po band @ 55-60°																	
	223.45 - 224.39	Oty - (Rhodante) Hornfels																	
	224.39	END OF HOLE																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_ SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_



**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 1 OF 16  
 PROJECT NAME: Mc DAME  
 PROJECT NO.: 31910  
 HOLE/SEC. NO.: 31910-81-A-5

**9406**

POLITICAL UNIT: .....

DRILL GRID G+92 N 0+65 E

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E	M
		1/4	UNIT	B	No.	L	POR
U	X	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: D.W. COATES JULY 24<sup>th</sup> - 28<sup>th</sup> / 81

LOGGING: \_\_\_\_\_

ASSAYING: CHEMEX LABS (VANCOUVER)

LOGGED BY: G.W. MOFFAT

M. BALOG

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION	<u>L 6 100 N</u>	<u>3+50 E</u>		<u>270°</u>	<u>-60°</u>	<u>224.39m</u>
SURVEY GRID	<u>N</u>	<u>E</u>		<u>AZ.</u>		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: WINDY 2 (597)

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
		<u>TALUS COVER</u>																	
		<u>PICTITE - QUARTZ HORNFELS</u> - mottled brown & gray, banding @ 20° to CA. C.O. - 13.72 broken core 27% recovery																	
		<u>MOTTLED DOLOMITE</u> - gray with diffuse white bands - upper and lower contacts obscured - random cherty hornfels sections																	
	<u>~ 12.00</u>	<u>MASSIVE GREY MARBLE</u> - gradational with depth into massive dolomite 13.72 → 16.00 50% recovery																	
	<u>15.85 m</u>	<u>MASSIVE GREY DOLOMITE</u> - spotted with calcite, calcite also healing fractures often with dissem. pyrite. - becomes med. to dark gray with depth - after 22.50 tremolite appears as fracture filling - calcite veins @ 50-60° to C.A.																	
	<u>24.90 m</u>	<u>MOTTLED BEIGE DOLOMITE</u> - mottled bands @ 70° to C.A. - diss. pyrite has produced mild limonite staining	<u>25.50 - 70° banding</u>																
	<u>25.90 m</u>	<u>MASSIVE GREY DOLOMITE</u> - as before - mottled bands fading with depth - fractures healed with calcite @ 20° minor tremolite																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from.....to.....

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 2 OF 18  
PROJECT NAME: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_  
HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG. LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks  
 DRILLING: \_\_\_\_\_  
 LOGGING: \_\_\_\_\_  
 ASSAYING: \_\_\_\_\_  
 LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_  
 CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_  
 OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS						
	27.00 m	<p><u>MOTTLED DOLOMITIC MARBLE</u></p> <ul style="list-style-type: none"> <li>- effervesces weakly with HCL</li> <li>- as before</li> <li>26.35 magnetite - po seam @ 30°</li> <li>28.02 po seam @ 20°</li> <li>- after 28.25 noticeable increase in amount of tremolite healing fractures</li> <li>- mottling composed of light grey dolomite ; calcite patchy bands</li> <li>27.70 - 27.75 } CHLORITE - PYRRHOTITE - BIOTITE SKARN SEAMS</li> <li>28.15 - 28.23 }</li> <li>28.39 - 28.70 }</li> <li>- 10% dissem. po.</li> <li>- calcite selvage along skarn borders</li> <li>- pyrite in fractures @ 30°</li> <li>- contact of skarn bands @ 45-50°</li> </ul>	<p>27.25 - 65° banding</p> <p>28.20 - 75° banding</p> <p>27.70 - 50° contact</p>											
	28.80 m	<p><u>MASSIVE GREY DOLOMITIC MARBLE</u></p> <ul style="list-style-type: none"> <li>- effervesces weakly with HCL</li> <li>28.92 magnetite - po seam @ 40°</li> <li>30.00 - 30.85 abundant calcite fracture filling</li> <li>30.50 - 30.60 CHLORITE - PYRRHOTITE - PYRITE - BIOTITE SKARN</li> <li>- dissem MoS<sub>2</sub> in grains along banding, also powellite (no scheelite)</li> <li>- pyrite seam in centre of skarn, rimmed with MoS<sub>2</sub>, biotite ; chlorite occur further out ; calcite along borders.</li> </ul>												

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		N	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS					
	30.85 m	<p>30.70 - 30.75 Calcite - chlorite - pyrrhotite seam @ 75° to C.A. diffuse contacts</p> <p><u>MASSIVE GREY DOLOMITE</u></p> <p>30.80 - 30.85 magnetite - po. stylolitic seam @ 0° to C.A.</p> <p>34.00 - 34.70 crosscutting calcite filled fractures 25° to 40° to C.A.</p> <p><u>MOTTLED GREY LIMY DOLOMITE</u></p> <p>- upper contact obscured; light to med. gray - random patches of tremolite</p> <p>35.80 magnetite 1<sup>st</sup> appears filling fractures</p> <p>37.30 - 37.35 calcite veinlets @ 25° to core axis containing dissem. magnetite, borders rimmed in Calcite.</p> <p><u>MASSIVE BEIGE - GREY DOLOMITE</u></p> <p>- massive fig. (looks like qtz. hornfels)</p> <p>40.40 magnetite seam @ 15° to C.A.</p> <p>- calcite veinlets @ 15° with dissem. magnetite</p> <p>- diss. actinolite needles throughout</p> <p>41.30 magnetite - po seam @ 20°</p>											

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
		SEC	DEG LAT	MIN	DEG. LONG	MIN			

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS													
	41.58	<p><u>MASSIVE GREY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- calcite along fractures @ 45° to CA</li> <li>42.03 po-calcite - chlorite seam @ 40° (2cm)</li> <li>43.11 po seam @ 30° to C.A.</li> <li>43.69 - 43.90 <u>Banded Chlorite - Pyrite</u></li> <li><u>Biotite - Pyrrhotite Skarn</u> (wrigglite)</li> <li>- dk green, weakly banded</li> <li>- 50% chlorite ; 15% pyrite in blebs ;</li> <li>- bleached near contacts 15% biotite</li> </ul>																			
		<p>46.80 - 47.08 <u>Massive Chlorite - Biotite - Pyrite Skarn</u></p> <ul style="list-style-type: none"> <li>- brown - green ; 2% pyrite</li> <li>- contacts @ 40°</li> </ul>	46.80 40°																		
	51.64	<p><u>MOTTLED LIMY DOLOMITE</u></p> <ul style="list-style-type: none"> <li>- lighter bands and fractures are calcite</li> <li>- tremolite in patches and rims along calcite veinlets</li> <li>51.65 - 52.20 f.g. massive beige dolomite</li> <li>53.77 po-py seam @ 45° to CA.</li> <li>- after 54.00 tremolite diminishes in fractures</li> <li>53.65 - 55.10 mottled to weakly banded with numerous calcite veinlets @ 60°    to banding</li> <li>52.88 po seam @ 55°</li> <li>53.70 - 53.80 chlorite seam with po-py along core @ 50°</li> </ul>	54.30 65°																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
		apparent zoning po-py, chlorite, biotite, calcite 55.10 f.g. grey dolomite 55.95 - 56.13 Chlorite - magnetite - pyrrhotite pyrite seam - upper contact irregular - lower contact sharp @ 60° - zoned: po; py core; chlorite, calcite; f.g. po outwards - magnetite concentrated near lower contact 56.40 - 56.53 irregular chlorite seam rimmed with calcite, dissem py. in core 56.79 - 56.84 chlorite, po, calcite, biotite seam @ 25° to CA.																	
	57.33	<u>MOTTLED LIMEY DOLOMITE</u> - banding of f.g. grey dolomite; sparry white dolomite (50:50)	57.50 70°																
	58.45	<u>BANDED GREY LIMEY DOLOMITE</u> - fine dk-grey banding - calcite veins @ 35°; 52° with diss po. - gradational upper and lower contacts																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_  
HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E	M
		1/4	UNIT	B	No.	L	POR
		SEC	DEG. LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks  
 DRILLING: \_\_\_\_\_  
 LOGGING: \_\_\_\_\_  
 ASSAYING: \_\_\_\_\_  
 LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_  
 CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_  
 OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS								
	59.48	<p><u>MASSIVE GREY DOLOMITE</u></p> <p>- f.g. neutral gray</p> <p>61.85 - 63.45 tremolite more abundant in fractures rimming calcite, density of fractures also increases - most 15° : 50° to CA.</p> <p>63.54 - 64.00 <u>Fault Gouge ?</u> limonitic, brown</p> <p>64.00 - 65.90 f.g. dolomite cut by calcite masses and veinlets, minor tremolite densely fractured; limonite stained @ 10-20° to CA.</p> <p>65.90 <u>Massive Dolomite</u></p> <p>- after 69.45 no tremolite in fractures</p> <p>72.70 - 76.25 fracture density increases calcite healed 40-75° to CA. massive patches of chlorite</p> <p>- after 76.20 becomes more siliceous qty hornfels.</p> <p>76.75 - 76.90 massive Qtz - Calcite vein with chlorite after tremolite needles.</p>														
	77.00	<p><u>MASSIVE LIMY DOLOMITE</u></p> <p>77.86 - 78.42 Massive f.g. beige Dolomite</p> <p>- conjugate fracturing @ 25° healed with magnetite</p>														

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE				
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		SEC	DEG LAT	MIN	DEG. LONG	MIN		

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS			
	78.42	<p><u>CHLORITE - MAGNETITE - SULPHIDE SKARN</u></p> <p>- upper contact @ 70° irregular</p> <p>- 75% chlorite ; 10% po ; py ; 5% magnetite</p> <p>- est. 0.3% WO<sub>3</sub> - coarse scheelite x'als aligned with banding</p>									
	78.80	<p><u>LT. GREY MASSIVE DOLOMITE</u></p> <p>- as before, flecked with biotite</p> <p>- random hairline fractures with magnetite, po, py.</p>									
	81.30	<p><u>WEAKLY BANDED LT GREY DOLOMITE</u></p> <p>- magnetite filled fractures @ 25°</p> <p>- after 82.40 becomes weakly mottled ; slightly more calcareous</p> <p>- magnetite pseudomorphs after tremolite in some fractures</p> <p>- minor f.g. pyrite in larger 20° fractures</p>	81.55 70° banding								
	83.70	<p>thin chlorite - pyrrhotite band @ 35°</p>									
	84.00	<p><u>LT. GREY W. MOTTLED DOLOMITE</u></p> <p>- random fracturing with limonite, calcite, chlorite (magnetite) infilling.</p> <p>84.04 - 84.52 severed chlorite - magnetite skarn seams ; calcareous selvages @ 60-65°</p>									

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 8 OF 18

PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS												
		85.00 - 85.53 fracturing more abundant with limonite staining																		
		89.44 } chlorite - pyrrhotite - magnetite 91.23 } skarn seam @ 35°																		
	91.27	<u>CHLORITE - DIOPSIDE - PYRRHOTITE SKARN</u> - dissem. po, py, minor ep; mag. - selvages of emerald green serpentine? in fractures with minor calcite infilling - irregular upper; lower contacts @ 40°																		
		<u>LT. GREY MOTTLED DOLOMITE</u> - as before, with fine biotite interlayers																		
		92.60 - 92.75 <u>Banded Diopside - Pyrrhotite Skarn</u> - finely laminated po, chlorite - diopside core @ 25°, po along borders.																		
		93.27 - 93.62 <u>Banded Chlorite Pyrrhotite Skarn</u> - minor biotite																		
		94.02 - 94.07 <u>Banded Chlorite - Pyrrhotite Skarn</u> @ 25° minor powellite																		
		94.15 - 94.30 <u>Po - Biotite - Chlorite Skarn</u> @ 35°																		
		94.24 - minor qty veining @ 20° to ca. - fracturing @ 40° & 20° with magnetite, chlorite, calcareous filling - larger fractures have dissem py.																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_



**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		N	SEC	DEG. LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS												
		95.86 - 96.00 0.3% powellite 96.25 - 96.30 1.0% " 96.50 - 96.65 1.0% "	95.50 75°																	
		- after 98.00 dolomite is less mottled, more massive in texture. 98.35 - 98.45 } Banded - Chlorite - Py - Po 98.80 - 98.83 } Mag. Skarn 0.3 - 1.0% powellite																		
		104.40 seam with pseudomorphs of mag. after actinolite - later infilling with calcite																		
		105.10 po seam with d. black chlorite @ 25°, calcareous selvage																		
	107.36	<u>MASSIVE LT GREY DOLOMITE</u> - f.g. : lighter gray than above - random limonite stained fractures - flaked with diopside	109.70 50° bending																	
		111.64 - 111.87 <u>Chlorite - Po - Mag - Skarn</u> - mass po seam in core @ 40° - f.g. magnetite - chlorite outer zone - lt. green diopside rich edge - 0.5% powellite dust																		
		112.53 - 112.56 <u>Chlorite - Py - Seam</u> - @ 45° to CA - 3% powellite																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG. LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS												
		112.71 - 112.90 Chlorite - Pyrite Skarn -diss. schaeelite; py in blebs; crude bands @ 60° -1% powellite																		
		116.58 - 116.62 Chlorite - Pyrite Skarn - as above; @ 50 - numerous chlorite - magnetite fractures @ 35-40° to CA.																		
	117.81	WHITE SILICEOUS DOLOMITE - lt cream with faint spotted sperry dolomite - random fractures @ 25-45° to CA. with chlorite, calcareous infilling; larger fractures containing fig. magnetite; pyrite	117.81 60°																	
	119.16	119.15 - 119.18 massive graphite BANDED QTZ - PYRRHOTITE SKARN - wrightite texture, minor py; biotite - 0.3 - 0.6% powellite - fig. pale greenish-yellow qtz; diopside matrix with pyrrhotite in weak bands; serpentine in diss. grains - after 120.40 py replaces pyrrhotite as dominant sulphide as dissem. blebs up to 0.7 mm - after 121.00 skarn displays better banded textures - lower contact @ 35°																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		N	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS												
	121.95	LT GREY MASSIVE DOLOMITE - abundant fractures @ 30-35° to ca. filled with chlorite, talc, minor magnetite																		
	122.62 - 122.70	Magnetite - Po - Chlorite - Serpentine Skarn - py in aggregates - calcareous selvages; 30° to ca - sheared serpentine (blue : green)																		
	123.75 - 123.76	Banded Po - Chlorite - Magnetite Skarn - minor powellite; schalite - contacts @ 45°																		
	126.43	Chlorite - Po - Skarn - f.g. chlorite matrix with Po - pyrrhotite also in large aggregates - fluorite in qtz veins - silicious selvages with blebs of magnetite; waxy serpentine																		
	130.30 - 130.65	Chlorite - Pyrrhotite Skarn - outer 10 cm lt pink-cream qtz Hornfels with rhodochrosite - inner 15 cm chlorite - Po skarn with Po-rich core; large py cubes - lower 45 cm pale pink Qtz Hornfels with rhodochrosite; chlorite pyrite banding	130.30 45°																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS					
		- talc : chlorite along lower contact. - most fractures @ 30° to CA. lined with calcite, po, magnetite, serpentine (blue-green) 133.50 - seam of magnetite - chlorite skarn @ 40° to CA with calcareous selvage 134.12 - 134.16 <u>Po skarn - minor po</u> : talc ; @ 30° to CA. 134.28 - 134.35 - as above ; 0.5% powellite 139.29 <u>Chlorite Magnetite Skarn</u> - crudal banded - sharp contacts @ 45° - mass. chlorite with magnetite rich borders ; diss blebs of pyrite 139.65 <u>LT. GREY MOTTLED DOLOMITE</u> - patches of lt gray dolomite with large calcite veins (partly drusy) @ 20° to CA - minor dissem py ; chlorite ; magnetite filled fractures - dolomite slightly darker near skarn bands ; often large calcite / qtz pods (< 2 cm) adjacent bands - qtz filled fractures @ 15 - 25°, some show offsets. 142.75 - 143.25 <u>Gray Massive Dolomite</u>											

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M
		1/4	UNIT	B	No.	L	POR	
		U	SEC	DEG LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC. OVERY	ASSAY RESULTS										
		143.25 - 142.63 <u>OTZ - PYRROTHITE - CHLORITE SKARN</u> - qtz - chlorite selvage 10 cm wide - mass. chlorite skarn with diss. po. py - mass. po. calc with blabs of cp : sph. - mass. chlorite skarn with dissim. py along lower contact																
		143.76 - 143.79 <u>Chlorite - Magnetite Skarn</u>																
		145.60 - 145.70 extensive bracciation healed with dolomite : chlorite																
		146.00 - 146.09 <u>Chlorite - Magnetite - Po - Py Skarn</u> - @ 45° - 50° to CA.																
	146.16	<u>LT. GREY MASSIVE DOLOMITE</u> - fracturing @ 25 - 40° to CA. filled with Magnetite, po, py, chlorite, calcite - irregular upper contact. - sharp lower contact @ 40° to CA.																
	142.20	<u>SKARNIFIED WEALLY MOTTLED DOLOMITE</u> - composed of dolomite, garnet, actinolite : qtz calc-silicates forming streaky bands, patchy texture with diss. blabs of po : minor py - matrix dolomite is cream white - chlorite most concentrated in sulphide rich section																

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from.....to.....

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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PROJECT NAME: \_\_\_\_\_

PROJECT NO.: \_\_\_\_\_

HOLE/SEC. NO.: \_\_\_\_\_

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE			LONGITUDE		
		LSD	SEC	TWP	RGE	E	M
		1/4	UNIT	B	No.	L	POR
		SEC	DEG. LAT	MIN	DEG. LONG	MIN	

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS												
		- after 169.30 garnet disappear, less chlorite : actinolite																		
		165.30 - 165.55 diopside occurs in massive patches with diss. po : minor sp.																		
	167.00	<u>STREAKY GREY DOLOMITE</u>	167.60 60°																	
		- chlorite - po skarn seams @ 75° - 85° to CA. @ 170.85 170.90 171.00																		
	171.40	<u>LT. CREAM STREAKY DOLOMITE</u>	170.00 57°																	
		- transitional contact with above @ 60° - dolomite streaked with garnet - actinolite lenses containing diss. po. - chlorite - po skarn seams @ 15-20° to CA @ 171.95, 172.25, magn. pseudomorph after actinolite																		
		- after 172.00 less streaky	174.50 55°																	
		174.17 - 174.30 <u>Banded Chlorite - Po Skarn</u> - waggly texture; limey dolomite selvage crosscut by pyrite seam @ 20°																		
	175.30	<u>MOTTLED GREY SKARNY DOLOMITE</u>																		
		- streaked with garnet : patches of actinolite in crude bands - fracturing @ 45° to 70° healed with dol.																		
		177.80 - 178.39 extensively fractured																		
	178.39	<u>DIOPSIDE - QUARTZ PYRRHOTITE SKARN</u> - cut by chlorite - pyrite rich seams																		

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED - MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 4 OF 7  
PROJECT NAME: McDAME  
PROJECT NO.: 31910  
HOLE/SEC. NO.: 31910-81-A-2

POLITICAL UNIT: .....

SUR SYSTEM	LOC. EXCEPTION	LATITUDE		LONGITUDE			
		LSD	SEC	TWP	RGE	E	M
		1/4	UNIT	B	No.	L	POR
U	SEC	DEG LAT	MIN	DEG. LONG	MIN		

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
	42.30 - 43.00	numerous limonite filled fractures	43.00 63° banding																
	44.70 - 44.74	BANDED PYRRHOTITE - CHLORITE SKARN																	
		- calcite selvages as before																	
	45.02	calcite veinlet with diss. magnetite @ 45° to CA.																	
	46.00 - 46.30	broken core 50% recovery																	
	46.88 - 46.96	PYRRHOTITE - PYRITE - CHLORITE SKARN																	
		- blebs of pyrite throughout																	
		- calcite selvages																	
	47.04	calcite veinlet @ 45° with magnetite pseudomorph after actinolite (?) growing ⊥ to vein wall																	
	47.84 - 47.90	PYRRHOTITE - PYRITE SKARN SEAM																	
		- calcite selvage																	
		- @ 68° to CA.																	
	48.20 - 48.23	PYRRHOTITE - CHLORITE - SKARN SEAM																	
	48.34 - 48.43																		
		- dissem. pyrite throughout																	
		- avg. 68° to CA.																	
	+ 47.00	dissem. magnetite dust in dolomite																	
	48.66 - 48.70	PYRRHOTITE - CHLORITE SEAM																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from.....to.....

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 5 OF 7  
PROJECT NAME: M. DAME  
PROJECT NO.: 31910  
HOLE/SEC. NO.: 31910 - 81 - A - 2

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
		U	SEC	DEG. LAT	MIN	DEG. LONG	MIN		

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS							
	48.85	<p><u>WEALLY MOTTLED LIMBY DOLOMITE</u></p> <p>- light gray ; natural gray bands with white calcite patches</p> <p>50.00 - 51.25 dolomite light beige due to limonite staining</p> <p>- calcite - tremolite veins.</p> <p>51.25 - 52.20 dolomite stained rose due to dissem. hematite</p>													
	52.70	<p><u>DOLOMITIC MARBLE</u></p> <p>- noticeably more calcite ; light gray</p> <p>- random patches of tremolite (&lt;0.5 mm)</p>													
	54.70	<p><u>MASSIVE ROSE DOLOMITE</u></p> <p>- diss. hematite along fractures</p>													
	58.80	<p><u>MASSIVE GREY DOLOMITE</u></p> <p>- diss. magnetite ; pyrrhotite @ random intervals</p>													
	60.30	<p><u>MASSIVE ROSE DOLOMITE</u></p> <p>- as before</p>													
	61.60	<p><u>MASSIVE WHITE DOLOMITE</u></p> <p>62.25 } patches of hematite covering bladed 62.35 } magnetite pseudomorphs after actinolite growing outward from calcite filled fracture @ 45° to CA.</p> <p>62.62 - 62.63 } 62.96 - 63.07 } <u>PYRRHOTITE - PYRITE - CHLORITE</u> 63.20 - 63.39 } <u>SKARN BANDS</u></p> <p>- as before ; sharp contacts @ 65° to CA</p>													

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_



**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

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 PROJECT NAME: McDAME  
 PROJECT NO.: 31910  
 HOLE/SEC. NO.: 31910 - B1 - A - 2

POLITICAL UNIT: \_\_\_\_\_

SUR SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
U	SEC	DEG LAT	MIN	DEG. LONG	MIN				

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS											
		+62.60 fractures healed with hematite instead of hematite																	
		65.69 - 65.79 <u>PYRRHOTITE - PYRITE - CHLORITE</u> <u>SKARN BAND</u> - @ 50° to CA. - as before with calcite selvage along outer margins	66.11 55°																
		66.83 - 66.98 <u>PYRRHOTITE - PYRITE - CHLORITE</u> <u>SKARN BANDS</u>																	
	69.05	<u>MOTTLED DOLOMITE</u> - as before																	
		71.93 - 72.03 <u>PYRRHOTITE - PYRITE - CHLORITE</u> <u>SKARN</u> - contacts @ 45° with calcite selvages																	
	75.45	<u>MASSIVE ROSE DOLOMITE</u> - random seams @ 30-40° to CA. containing magnetite, hematite																	
		81.00 - 82.00 increase in density of fracturing most common 35° to CA. filled with magnetite; hematite.																	
		+82.35 dol. changes from rose to beige-white in colour																	
		83.54 0.3% stibnite in diss.; fracture fillings.																	

SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_ SHEET INTERVAL: from \_\_\_\_\_ to \_\_\_\_\_

**SHELL CANADA LIMITED – MINERALS DEPARTMENT  
DRILL HOLE OR SECTION DATA RECORD**

PAGE 7 OF 7  
 PROJECT NAME: Mc DAME  
 PROJECT NO.: 31910  
 HOLE/SEC. NO.: 31910 - 81 - A - 2

POLITICAL UNIT: \_\_\_\_\_

SUR. SYSTEM	LOC. EXCEPTION	LATITUDE				LONGITUDE			
		LSD	SEC	TWP	RGE	E	W	M	
		1/4	UNIT	B	No.	L	POR		
		DEG. LAT	MIN	DEG. LONG	MIN				

WORK DONE Name Dates Remarks

DRILLING: \_\_\_\_\_

LOGGING: \_\_\_\_\_

ASSAYING: \_\_\_\_\_

LOGGED BY: \_\_\_\_\_

	LATITUDE	DEPARTURE	ELEVATION (DATUM)	BEARING	INCLINATION	LENGTH
FIELD LOCATION						
SURVEY GRID	N	E		AZ.		

ADDITIONAL INFO.: \_\_\_\_\_

CLAIM/PERMIT NO.: \_\_\_\_\_

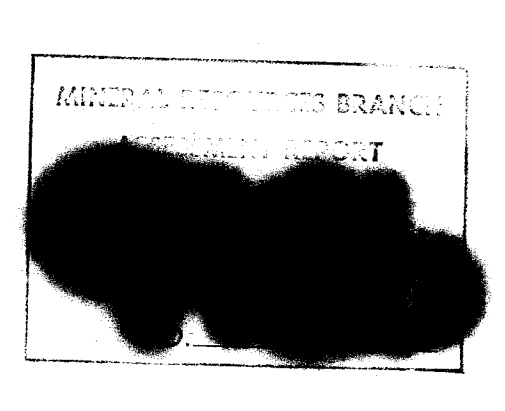
LANDMARKS: \_\_\_\_\_

OTHER FEATURES: \_\_\_\_\_

FORM/UNIT	DEPTH	LITHOLOGY, Texture, Structure, Mineralization (Litholog)	Structural Angle SYMBOL C.A./Dip @	SAMPLE No.	FROM TO	INT. IN FT.	REC-OVERY	ASSAY RESULTS																																							
	83.61	<p><u>GREY WEAKLY MOTTLED DOLOMITE</u>                      - increased calcite ; hematite present after 86.00                      87.60 slickensides along hematized fracture surface @ 40° to CA.                      87.60 - 89.40 extensively fractured ; hematized core ; calcite healing fractures 88.60 - 89.40</p>																																													
	89.40	<p><u>LIGHT GREY DOLOMITE</u>                      - as before ; f.g. hematized fractures thruout</p>	90.00 65°																																												
	101.54	END OF HOLE																																													
		<p align="center">CORE BOX INVENTORY</p> <table border="0"> <tr> <td>BOX 1</td> <td>6.10 - 13.70</td> <td>BOX 8</td> <td>55.74 - 62.56</td> </tr> <tr> <td>BOX 2</td> <td>13.70 - 20.53</td> <td>BOX 9</td> <td>62.56 - 69.59</td> </tr> <tr> <td>BOX 3</td> <td>20.53 - 27.67</td> <td>BOX 10</td> <td>69.59 - 77.02</td> </tr> <tr> <td>BOX 4</td> <td>27.67 - 34.63</td> <td>BOX 11</td> <td>77.02 - 84.09</td> </tr> <tr> <td>BOX 5</td> <td>34.63 - 42.05</td> <td>BOX 12</td> <td>84.09 - 90.46</td> </tr> <tr> <td>BOX 6</td> <td>42.05 - 48.68</td> <td>BOX 13</td> <td>90.46 - 98.34</td> </tr> <tr> <td>BOX 7</td> <td>48.68 - 55.74</td> <td>BOX 14</td> <td>98.34 - 101.54</td> </tr> </table>	BOX 1	6.10 - 13.70	BOX 8	55.74 - 62.56	BOX 2	13.70 - 20.53	BOX 9	62.56 - 69.59	BOX 3	20.53 - 27.67	BOX 10	69.59 - 77.02	BOX 4	27.67 - 34.63	BOX 11	77.02 - 84.09	BOX 5	34.63 - 42.05	BOX 12	84.09 - 90.46	BOX 6	42.05 - 48.68	BOX 13	90.46 - 98.34	BOX 7	48.68 - 55.74	BOX 14	98.34 - 101.54																	
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SYMBOLS AND ABBREVIATIONS: \_\_\_\_\_

SHEET INTERVAL: from.....to.....



SCALE 1:5000  
0 150 300m

SHELL CANADA RESOURCES LIMITED  
EXPLORATION MINERALS

3091U  
MEDAME PROPERTY B.C.  
1981 ROAD, TRENCH & DRILL WORK  
FRAME - QUANTITY

NTS 104P/SW

11300000