

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :78-DH040	COLLAR ELEVATION:        1155.87	AZIMUTH( DEG ) :    56.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    97.50	NORTHING(- IF S):    7002489.00	VERTICAL ANGLE :    -55.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :    HQ	EASTING (- IF W):    437168.31	CO-ORD SYSTEM :    UTM	PROJECT NUMBER : J=MAIN

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	30.48	55.00	-54.00
2	60.96	54.00	-51.00
3	96.01	51.00	-48.00

F - I N T E R V A L -		CORE	T- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY																
K L (UNITS = . DEC.PLACE)		RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H	ANY	H	H	H	ANY	ALT	ORE									
E A (MT=METRIC FT=FOOTRIC)		ERY	D I	TM	TM	MAT	TX	TX	F C %	M	ARG	/RI	T	ID	STK	DIP	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-	
Y G F R O M - T O - I N T ( . )		D X	TYPE	1	2	QM1	1	2	F F C A				1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2
-----																														
K F		ROCK	FM	RT	TM	QM2	TX	TX	S C O O	CHT			T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA				
E L		QUAL	AGE	EN- O	LC- 3		3	4	O	/			2		AZM	RT	H	H	H	H	H	H	H	H	H	H	1	1		
Y G		DESIG	VIR	COL					R	C					STRUCTUR-2		A	A	A	A	A	A	A	A	A	A	A	2	2	

R SVY    0.00    0.00    SPERRY SUN TESTS.



A MIN			0.01	-0.1	0.03	-0.1	-0.1	-0.1	-0.1	-0.1	-0.56
A MAX	81.20	95.00	0.23	3.52	1.05	0.44	-0.1	-0.1	-0.1	-0.1	4.84

DRILLING BY RBF

G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-SA STF DEPOSIT YUKON

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :78-DH041	COLLAR ELEVATION: 1209.67	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : HJV +
TOTAL DEPTH/LENGTH : 144.78	NORTHING(- IF S): 7002206.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 810702
CORE/HOLE DIAMETER : HQ	EASTING (- IF W): 436465.25	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	36.58	49.00	-56.00
2	60.96	47.00	-57.00
3	91.44	46.00	-55.50
4	143.26	46.00	-53.00

R HED	ORIGINALLY LOGGED BY J.D. ROWE, SEPT. 1978.
R HED	TARGET: SOUTH ZONE. BENCH LEVEL 1100M TO 1080M AT 436520E
R HED	7002260N. TO DETERMINE THE EASTERN EXTENSION OF DDH 78-30
R HED	MINERALIZED INTERSECTION.
R HED	RESULTS: ORE GRADE MINERALIZATION WAS INTERSECTED FROM
R HED	7002259.75M 436523E BENCH LEVEL 1100M TO 7002261.5M 436524.75E
R HED	BENCH LEVEL 1096M. MINERALIZATION WAS INTERSECTED FROM 133.70M
R HED	TO 136.60M WITH A TRUE WIDTH OF 1.9M. WEIGHTED AVERAGES: 11.72%
R HED	PB, 28.96% ZN, 3.77 OZ/TON AG. CORE RECOVERY WAS GOOD (90.37%)
R HED	MINERALIZATION: MINERALIZATION APPEARS BANDED AND CONSISTS OF
R HED	ZONES RICH IN SPHALERITE AND ZONES RICH IN GALENA. EXTENSIVE
R HED	HANDLING OF THE CORE HAS RESULTED IN SHUFFLING OF THE PIECES,
R HED	NOT ALLOWING DETERMINATION OF THE LOCATION OF THE ZONES WITH
R HED	RESPECT TO ANOTHER. J.D. ROWE LOGGED A LAMINATED GALENA RICH



R HED ZONE FROM 133.70M TO 135.10M FOLLOWED BY A SPHALERITE RICH ZONE

R HED FROM 135.10M TO 135.60M. THE SULPHIDES ARE INTERBEDDED WITH

R HED SILICIFIED ARGILLITE AND AN OXIDIZED POWDERY MATERIAL THAT

R HED RESPONDS LIGHTLY TO ZINC ZAP. A BRECCIATED SULFIDE ZONE OCCURS

R HED FROM 135.60M TO 136.60M CONTAINING BLEACHED CHERT FRAGS. THE

R HED HIGHEST ASSAYS: 23.35% PB, 37.09% ZN OCCURRED IN THE GALENA

R HED RICH ZONE FROM 134.40M TO 135.10M. PY OCCURS THROUGHOUT AS

R HED LAMS IN THE LAMINATED ZONE AND AS DISSEMINATIONS AND BLEBS

R HED ELSEWHERE. QTZ OCCURS AS MICROVEINS AND BLEBS. THE CORE IS

R HED POROUS DUE TO LEACHING. THE ORE ZONE IS TRUNCATED BY AN

R HED EROSIONAL EVENT WHICH DEPOSITED THE HETEROLITHIC BRECCIA (BRHT)

R HED STRATIGRAPHICALLY ABOVE IT. THIS EVENT WAS PROBABLY

R HED RESPONSIBLE FOR THE BRECCIATION IN THE UPPER PART OF THE ZONE

R HED AND POSSIBLY FOR THE TOTAL EROSION OF THE 2 OTHER SULFIDE UNITS

R HED USUALLY FOUND IN THE SOUTH ZONE. THE CORE IS FRIABLE MAINLY

R HED DUE TO THE HIGH POROSITY CAUSED BY LEACHING.

R HED CANOL FORMATION: THE BEDS DIP VERTICALLY (70 TO 90 DEGREES)

R HED WITH TOPS DOWNHOLE IE TO THE NORTHEAST. 22.86M OF OVERRBURDEN

R HED PRECEDES A SANDSTONE WITH INTERBEDDED SILTY ARGILLITES THAT

R HED CONTINUES TO 28.00M. THIS IS FOLLOWED BY AN ARGILLITE AND AN

R HED ARSI DOWN TO 56.39M. A FEW MINOR FAULTS AND SHEARS CUT THROUGH

R HED THE ABOVE UNITS. A STRONGLY CARBONACEOUS SILT SHEARED LOCALLY

R HED BETWEEN 69.60M TO 75.80M OCCURS FROM 56.39M TO 83.00M. THIS

R HED SHEAR CAN BE CORRELATED TO A SURFACE FAULT STRIKING 130 DEGREES

R HED AND DIPPING VERTICALLY. WHEN SHEARED, THIS UNIT TURNS TO A

R HED FINE GRAINED MATERIAL SIMILAR TO UNLITHIFIED SILT. MAJOR

















A MIN				0.04	1.65	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.09
A CMP	133.70	136.60	262	11.72	28.96	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	40.08

Printed by R/S

## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :78-DH042	COLLAR ELEVATION: 1204.17	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : GEC + DWB
TOTAL DEPTH/LENGTH : 143.26	NORTHING(- IF S): 7002168.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 811012
CORE/HOLE DIAMETER : HQ	EASTING (- IF W): 436511.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : JASON

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	45.72	45.00	-60.00
2	76.20	44.00	-59.00
3	100.58	47.00	-56.00
4	140.21	44.00	-55.00

R HED CORE ORIGINALLY LOGGED BY J.D. ROWE - SEPTEMBER, 1978.

F	- I N T E R V A L -	CORE	I- %	TYP	QAL	TEX	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY															
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H	ANY	H	H	ANY	ALT	ORE									
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I	TM	TM	MAT	TX	TX	F C %	M	ARG	/RI	T	ID	STK	DIP	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1	2	QM1	1	2	F F C A			1	AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2	
K	F	ROCK	FM	RT	TM	QM2	TX	TX	S C O O	CHT		T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA				
E	L	QUAL	AGE	EN- Q	LC- 3		3	4	O	/		2	AZM	RT	H	H	H	H	H	H	H	H	H	H	H	1	1		
Y	G	DESIG	VIR	COL					R	C			STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	A	2	2		

R SVY 0.00 0.00 ALL SURVEY BY SPERRY-SUN.

/	0.00	24.38	24.38	OVER	P
L					
R	0.00	24.38		FROM 22.86 TO 24.38 METERS-LOOSELY CONSOLIDATED GRAVELS AND MUD	

/	24.38	43.59	19.21	ARGL PY	LM BD 0 3 2 3	P 2	40	<
L				4A				

/	43.59	53.34	9.75	LOST	P
L					

/	53.34	59.54	6.20	ARGL CR	BD 0 1 ) 1	P 2	45
L				2A			

R	53.34	59.54		INTERVAL IS EXTREMELY FRIABLE AND IT IS UNCLEAR WHETHER IT IS	
R	53.34	59.54		GOUGY OR NOT.	

/	59.54	62.00	2.46	BRHT PY	SI2	QS7	P	R)
L				3A	3	LO1		

/	62.00	73.15	11.15	ARGL PY	MX 0 3 2 3	P	<(	D-
L				3A				

R	62.00	73.15		INTERVAL IS RUBBLY + EXHIBITS MIRROR LOCAL SHEAWS (GRAPHITIC)	
R	62.00	73.15		LOCAL BRECCIATION + INFILLING WITH QTZ VNS. SILICIFICATION IS	
R	62.00	73.15		ASSOCIATED WITH QTZ VNG (EG. 68.20 - 68.30M).	

/	73.15	81.00	7.85	ARSI	PY *S- LM 0 3 3 3	P 1	40	<(
L				3A				





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FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 78-DH043	COLLAR ELEVATION: 1196.74	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : WJJ + DWB
TOTAL DEPTH/LENGTH : 192.02	NORTHING( - IF S ): 7002103.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 811012
CORE/HOLE DIAMETER : HQ	EASTING ( - IF W ): 436581.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : JASON

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	39.62	47.00	-53.00
2	97.54	50.00	-50.00
3	143.62	49.00	-48.00
4	188.98	46.00	-46.00

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN		PGI	STRUCTUR=1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)RECOV-	M M ROCK	FYING MIN	TURES	CHARACS					H H H H H ANY H H H ANY	ALT ORE				
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I	TM TM MAT	TX TX F C % M ARG	/RI	T ID STK DIP	A A A A A MIN	A A A A A MIN	- - - -					
Y	G F R O M - T O - I N T ( . )	D X TYPE	1 2 QM1	1 2 F F C A		1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2							
K	F	ROCK	FM RT	TM QM2	TX TX S C O O CHT		T ID STK DIP	MG MU CL SD QS HA PR MT SL HA							
E	L	QUAL	AGE EN- Q LC- 3	3 4 O /		2	AZM RT H H H H H H H H H	1 1							
Y	G	DESIG	VIR COL	R C		STRUCTUR=2	A A A A A A A A A	2 2							

R SVY 0.00 0.00 SPERRY SUN SURVEY DATA.

/	0.00	24.38	24.38	OVER	P
L					

/	24.38	25.20	0.82	SAND	LM	A F 7 I	P 0 LM	75 <*	DC
L				5A					

R	24.38	25.20	POROUS SANDSTONE WITH ARGL LAMS CONTAINING DISS PY.
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/	25.20	31.30	6.10		ARGL	SIC LM MX A B 1 G	P 0 LM	70 < C	D C
L				PA	SN=				D.

R	25.20	31.30	CORE HIGHLY BROKEN UP.
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/	51.30	32.90	1.60	SAND	LM	A F 6 H	P 0 LM	70 <*	D=
L				SA	SS				

R	31.30	32.90	ARGL LAMS. MINOR DISRUPTION DUE TO SS AT BOTTOM OF UNIT.
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/	32.90	54.31	21.41	ARSI	SI1 BD LM A D 2 F	P 4 LM	60	D( D.
L				3A	SN=			D.

R 32.90 54.31 SAND BEDS CONTAIN ARGL LAMS. SAND BEDS DESCRIBED BELOW.

R	35.18	35.50	SAND BED.
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R	36.45	36.58	SAND BED.
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R	39.01	39.15	SAND BED.
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R	41.50	41.80	SAND BED. UPPER HALF OF BED CONSISTS OF OZ GRIT CONTAINING ARGL
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R	41.50	41.80	FRAGS 2% UP TO 3CM, AVG SIZE 1MM. SHARP CONTACT BETWEEN SN-GRIT
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R 44.47 44.60 SAND BED.

R	46.40	46.74	SAND BED.
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R	48.95	49.15	SAND BED.
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A UMM			RQD		SP.GR.
A TYP			CM		SG
A MTH			B-B		WEIGH
A LAB			FLD		FLD

R ASY	0.00	0.00	RQDV=RECOVERY(C17-20) IS MEASURED IN CM BLOCK TO BLOCK(B-B)		
R ASY	0.00	0.00	RQD=ROCK QUALITY DESIGNATOR(C27-32)MEASURED IN CM BLOCK TO BLOCK		
R ASY	0.00	0.00	RQD IS THE TOTAL LENGTH (BETWEEN BLOCKS) OF PIECES OF CORE		
R ASY	0.00	0.00	AT LEAST 2-1/2 TIMES DIAMETER OF CORE TO NEAREST CM, DIVIDED		
R ASY	0.00	0.00	BY LENGTH OF INTERVAL = BLOCK(TO) MINUS BLOCK(FROM)TIMES 100		
R ASY	0.00	0.00	CM INDICATES THAT MEASUREMENTS ARE IN CM'S WHICH ARE TO BE RIGHT		
R ASY	0.00	0.00	JUSTIFIED AGAINST THE DOUBLE VERTICAL LINE AT RIGHT MARGIN		
R ASY	0.00	0.00	OF EACH FIELD.		
R ASY	0.00	0.00	B-B=BLOCK-TO-BLOCK (DRILLERS BLOCKS). ENTER METRAGE OF ONE BLOCK		
R ASY	0.00	0.00	AS THE TO OF ANY INTERVAL AND THE METRAGE OF THE NEXT BLOCK.		
R ASY	0.00	0.00	ADDITIONAL POINTS (FROM-TO'S) CAN BE ESTABLISHED BETWEEN		
R ASY	0.00	0.00	BLOCKS TO BRACKET SPECIFIC INTERVALS OF LOCALIZED POOR		
R ASY	0.00	0.00	RECOVERY. B-B IS ENTERED RIGHT JUSTIFIED IN EACH FIELD IN		
R ASY	0.00	0.00	THE AMTH HEADER.		
R ASY	0.00	0.00	THE FIRST INTERVAL, THROUGH THE OVERBURDEN, WITH ZERO RECOVERY,		
R ASY	0.00	0.00	SHOULD BE ENTERED FIRST -- SEE BELOW.		

A 100	0.00	24.38	00	00
R ASY	0.00	24.38	OVERBURDEN	
A 100	24.38	25.30	39	00
A 100	25.30	27.43	100	00
A 100	27.43	28.96	93	00
A 100	28.96	29.87	47	00
A 100	29.87	31.09	75	17
A 100	31.09	32.00	38	23
A 100	32.00	32.92	71	17
A 100	32.92	34.14	75	00
A 100	34.14	35.66	120	00
A 100	35.66	36.68	76	00
A 100	36.68	39.01	37	00
A 100	39.01	39.92	60	00
A 100	39.92	42.37	120	00
A 100	42.37	43.28	48	00
A 100	43.28	44.20	81	00
A 100	44.20	45.70	108	00

A UMM	RQD	SP.GR.
A TYP	CM	SG
A MTH	B-B	WEIGH
A LAB	FLD	FLD

A 100	45.70	46.92	120	45
A 100	46.92	47.85	93	22
A 100	47.85	48.77	92	00
A 100	48.77	49.68	61	00
A 100	49.68	51.21	152	19
A 100	51.21	53.34	98	00
A 100	53.34	54.86	18	00
A 100	54.86	56.39	118	00
A 100	56.39	57.91	147	48
A 100	57.91	58.83	92	00
A 100	58.83	60.05	101	34
A 100	60.05	60.96	85	18
A 100	60.96	62.43	120	17
A 100	62.43	64.01	148	00
A 100	64.01	65.53	124	00
A 100	65.53	66.14	61	00
A 100	66.14	67.06	92	00
A 100	67.08	68.20	72	00
A 100	68.29	69.79	150	00
A 100	69.79	71.32	136	21
A 100	71.32	72.85	100	18
A 100	72.85	74.07	104	00
A 100	74.07	74.98	55	00
A 100	74.98	76.20	68	00
A 100	76.20	77.11	47	00
A 100	77.11	78.03	23	00
A 100	78.03	79.25	100	00
A 100	79.25	79.55	10	00
A 100	79.55	81.08	114	00
A 100	81.08	82.29	79	46
A 100	82.29	83.32	50	00
A 100	83.34	85.34	43	00
A 100	85.34	86.87	78	21
A 100	86.87	88.39	10	00
A 100	88.39	89.92	87	00
A 100	89.92	91.44	147	00
A 100	91.44	92.92	147	00
A 100	92.92	94.49	50	00
A 100	94.49	96.01	62	00
A 100	96.01	97.54	104	00
A 100	97.54	99.06	76	00
A 100	99.06	100.58	91	00
A 100	100.58	102.11	128	00
A 100	102.11	103.63	73	00
A 100	103.63	104.55	88	00
A 100	104.55	105.77	60	00
A 100	105.77	106.68	76	00
A 100	106.68	107.59	40	00
A 100	107.59	108.20	36	00
A 100	108.20	109.73	102	00
A 100	109.73	110.95	62	00

A IMM	RQD	SP. GR.
A TYP	CM	SG
A MTH	B-B	WEIGH
A LAB	FLD	FLD

A 100	110.95	111.86	63	00
A 100	111.86	112.78	49	00
A 100	112.78	113.69	79	00
A 100	113.69	114.30	61	00
A 100	114.30	115.82	152	00
A 100	115.82	118.26	92	00
A 100	118.26	119.18	74	00
A 100	119.18	120.40	122	00
A 100	120.40	122.22	138	89
A 100	122.22	123.44	95	20
A 100	123.44	124.97	58	00
A 100	124.97	126.49	55	00
A 100	126.49	128.02	55	00
A 100	128.02	129.24	66	00
A 100	129.24	130.15	91	00
A 100	130.15	131.06	91	00
A 100	131.06	131.98	72	00
A 100	131.98	133.20	76	00
A 100	133.20	134.11	76	00
A 100	134.11	135.32	64	00
A 100	135.32	136.24	33	00
A 100	136.24	137.50	40	00
A 100	137.50	138.41	29	00
A 100	138.41	139.59	65	00
A 100	139.59	140.20	46	00
A 100	140.20	141.92	26	00
A 100	141.92	143.26	134	00
A 100	143.26	144.78	138	00
A 100	144.78	146.30	146	20
A 100	146.30	147.83	153	19
A 100	147.83	149.35	139	00
A 100	149.35	150.88	105	00
A 100	150.88	151.79	91	00
A 100	151.79	153.31	141	24
A 100	153.31	153.92	39	00
A 100	153.92	155.45	91	21
A 100	155.45	156.97	144	00
A 100	156.97	158.50	118	00
A 100	158.50	160.02	101	19
A 100	160.02	161.54	151	23
A 100	161.54	163.07	125	00
A 100	163.07	164.59	134	37
A 100	164.59	165.81	81	00
A 100	165.81	167.03	115	00
A 100	167.03	167.33	28	00
A 100	167.33	168.86	127	00
A 100	168.86	170.08	114	22
A 100	170.08	171.60	147	25
A 100	171.60	173.13	117	40
A 100	173.13	174.65	137	00
A 100	174.65	175.87	100	00

A	UMM				RDD	SP. GR.
A	TYP				CM	SG
A	MTH				B-B	WEIGH
A	LAB				FLD	FLD
A	100	175.87	176.78	91	00	
A	100	176.78	177.39	36	00	
A	100	177.39	178.31	30	00	
A	100	178.31	179.83	97	00	
A	100	179.83	181.05	105	00	
A	100	181.05	182.27	106	00	
A	100	182.27	182.88	54	00	
A	100	182.88	184.10	76	00	
A	100	184.10	185.32	21	00	
A	100	185.32	185.93	49	00	
A	100	185.93	187.45	136	00	
A	100	187.45	188.98	112	00	
A	100	188.98	190.50	134	00	
A	100	190.50	192.02	130	32	

## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 79-DH044	COLLAR ELEVATION: 1234.20	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 60.35	NORTHING( - IF S ): 7002307.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : NO	EASTING ( - IF W ): 436400.25	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	36.58	45.00	-49.00
2	60.35	45.00	-49.00

INTERVAL - CORE										T- %		TYPI- QAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION MINS		ORE-TYPE MINS		SUMMARY	
L (UNITS = . DEC.PLACE) RECOV-										M M ROCK		FYING MIN		TURES CHARACS						H H H H H ANY H H H ANY		ALT ORE			
E A (MI=METRIC FT=FOOTRIC) ERY										D I		TM TM MAT TX TX		F C % M ARG		/RI T		ID STK DIP		A A A A A MIN A A A MIN		- - - -			
Y G F R O M - T O - I N T ( . )										D X TYPE		1 2 QM1		1 2 F F C A				1		AZM RT QZ FL CY CA BA XX PY CP GL YY		A 1 A 2			
- - - - -										- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -			
K F										ROCK FM RT		TM QM2 TX TX		S C O O CHT				T ID STK DIP MG MU CL SD QS HA PR MT SL HA							
E L										QUAL AGE EN- Q LC- 3		3 4 O		/		2		AZM RT H H H H H H H H H H		1 1					
Y G										DESIG VIR		COL		R C				STRUCTUR-2 A A A A A A A A A A		2 2					

R SVY	0.00	0.00	SPERRY SUN TEST.
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R ASY      0.00      0.00      NO ASSAYS FOR THIS HOLE.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :79-DH045	COLLAR ELEVATION: 1242.30	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 149.05	NORTHING(- IF S): 7002405.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : NO	EASTING (- IF W): 436247.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	30.48	45.00	-47.00
2	45.72	42.00	-47.50
3	76.20	44.17	-45.00
4	144.78	43.25	-41.50

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY																			
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H ANY	H	H	H ANY	ALT	ORE														
E	A (MT=METRIC FT=FOOTRIC)	ERY	D I		TM	TM	MAT	TX	TX	F	C	%	M	ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-
Y	G F R O M - T O - I N T ( . )	O X	TYPE	1	2	QM1	1	2	F	F	C	A			1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2	
-----																																	
K	F	ROCK	FM	RT	TM	QM2	TX	TX	S	C	O	O	CHT				T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA			
E	L	QUAL	AGE	EN-	D	LC-	3		3	4	O	/					2	AZM	RT	H	H	H	H	H	H	H	H	H	H	H	1	1	
Y	G	DESIG		VIR	COL				R		C							STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	A	2	2	

R SVY    0.00    0.00    SPERRY SUN TEST DOWN THE HOLE.

R ASY    0.00    0.00    NO ASSAYS FOR THIS HOLE.

## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 79-DH046	COLLAR ELEVATION: 1203.10	AZIMUTH( DEG ) : 270.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 277.06	NORTHING(- IF S): 7000399.00	VERTICAL ANGLE : -60.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER :	EASTING (- IF W): 437509.44	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-RECC

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	76.20	270.00	-59.00
2	106.68	280.00	-48.00
3	137.16	276.00	-36.00
4	167.64	273.00	-30.00
5	198.12	271.00	-26.00
6	227.08	265.00	-18.00
7	277.06	260.00	-22.00

F	- I N T E R V A L -	CORF	T- %	TYPT- QAL	TEX- GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING MIN	TURES	CHARACS		H H H H H	ANY H H H ANY	ALT ORE	
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM TM	MAT	TX TX F C % M	ARG	/RI	T ID STK DIP A A A A A	MIN A A A MIN	- - - -
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1 2	QM1	1 2	F F C A		1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2	
K	F	ROCK	FM	RT	TM	QM2	TX TX S C O O	CHT		T ID STK DIP MG MU CL SD QS HA PR MT SL HA		
E	L	QUAL	AGE	EN- Q	LC- 3	3 4	O /		2	AZM RT H H H H H H H H H H	1 1	
Y	G	DESIG	VIR	COL			R C			STRUCTUR-2 A A A A A A A A A A	2 2	

R SVY 0.00 0.00 AZM AT 227.08 AND 277.06 ARBITRARILY DEFINED BY APPARENT TREND.

R SVY	0.00	0.00	SPERRY SUN TESTS.
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R ASY      0.00      0.00      NO ASSAYS DATA FOR THIS HOLE.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :79-DH047	COLLAR ELEVATION:        1259.40	AZIMUTH( DEG ) :    223.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    166.12	NORTHING(- IF S):    7002540.00	VERTICAL ANGLE :    -50.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :        NO	EASTING (- IF W):    436186.31	CO-ORD SYSTEM :       UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	73.15	224.00	-51.00
2	103.63	224.00	-52.00
3	164.59	224.00	-51.50

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY																					
K	L (UNITS =	DEC.PLACE)	RECOV-	M	M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H	ANY	H	H	H	ANY	ALT	ORE												
E	A	(MT=METRIC FT=FOOTRIC)	ERY	O	I		TM	TM	MAT	TX	TX	F	C	%	M	ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-
Y	G	F R D M - T O - I N T ( . )	D	X	TYPE	1	2	Q	M1	1	2	F	F	C	A		1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2	
-----																																			
K	F		ROCK	FM	RT		TM	Q	M2	TX	TX	S	C	O	O	CHT		T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA				
E	L		QUAL	AGE	EN-	Q	LC-	3		3	4	O		/			2		AZM	RT	H	H	H	H	H	H	H	H	H	H	H	1	1		
Y	G		DESIG		VIR		COL					R		C					STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	A	2	2		

R SVY	0.00	0.00	SPERRY SUN TESTS.
R ASY	0.00	0.00	NO ASSAYS OF CORE FOR THIS HOLE.



## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-7N-AG-BA STE DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 79-DH048	COLLAR ELEVATION: 1310.00	AZIMUTH( DEG ) : 225.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 87.48	NORTHING(= IF S): 7003183.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : NO	EASTING (= IF W): 434828.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-RECC

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	45.72	232.00	-55.00
2	87.48	217.00	-54.00

INTERVAL - CORE										T- %		TYPI- QAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION MINS		ORE-TYPE MINS		SUMMARY	
L (UNITS = . DEC.PLACE) RECOV-										M M ROCK		FYING MIN		TURES		CHARACS				H H H H H ANY H H H ANY		ALT ORE			
E A (MT=METRIC FT=FOOTRIC) ERY										O I		TM TM MAT		TX TX		F C % M ARG		/RI T		ID STK DIP		A A A A A MIN A A A MIN		- - - -	
Y G F R D M - T O - I N T ( . )										D X TYPE		1 2 QM1		1 2 F F C A				1		AZM RT QZ FL CY CA BA XX PY CP GL YY		A 1 A 2			
- - - - - . - - - - - . - - - - - . - - - - - . - - - - - .										- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -	
K F										ROCK FM RT		TM QM2		TX TX		S C O O CHT		T		ID STK DIP MG MU CL SD QS HA PR MT SL HA					
E L										QUAL AGE EN- O LC- 3		3 4 O		/		2		AZM RT H H H H H H H H H H		1 1					
Y G										DESIG VIR COL		R		C		STRUCTUR-2		A A A A A A A A A A		2 2					

R SVY	0.00	0.00	SPERRY SUN TEST DATA.
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R ASY      0.00      0.00      NO ASSAYS VALUES FOR THIS HOLE.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :79-DH049	COLLAR ELEVATION:        1283.50	AZIMUTH( DEG ) :    200.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    281.94	NORTHING(- IF S):    7002830.00	VERTICAL ANGLE :    -57.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :     HQ	EASTING (- IF W):    436113.00	CO-ORD SYSTEM :     UTM	PROJECT NUMBER : J-MAIN

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	57.91	197.00	-58.00
2	76.20	196.00	-59.00
3	106.68	197.00	-56.00
4	137.16	192.00	-52.00
5	198.12	187.00	-42.50
6	274.32	189.00	-49.00

F - I N T E R V A L -		CORE T- %	TYPI- QAL	TEX- GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K L (UNITS = . DEC.PLACE)RECOV-		M M ROCK	FYING	MIN	TURES	CHARACS					
E A (MT=METRIC FT=FOOTRIC)		ERY	O I	TM	TM	MAT	TX	TX	F C %	M ARG	/RI T ID STK DIP
Y G F R O M - T O - I N T ( . )		D X TYPE	1 2	QM1	1 2	F F C A					1 AZM RT QZ FL CY CA BA XX PY CP GL YY
- - - - -											- - - - -
K F		ROCK	FM	RT	TM	QM2	TX	TX	S C O O	CHT	1 ID STK DIP
E L		QUAL	AGE	EN- Q	LC- 3		3	4	Q	/	2 AZM RT H
Y G		DESIG	VIR	COL					R	C	STRUCTUR-2
											A A A A A A A A A A

R SVY	0.00	0.00	SPERRY SUN TESTS.
R ASY	0.00	0.00	NO ASSAYS VALUES FOR THIS HOLE.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BR STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :79-DH050	COLLAR ELEVATION:    1336.90	AZIMUTH( DEG ) :    45.00	GEOLOGGED BY :    +
TOTAL DEPTH/LENGTH : 397.76	NORTHING(- IF S): 7003019.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD):    0
CORE/HOLE DIAMETER :    NO	EASTING (- IF W): 434733.50	CO-ORD SYSTEM :    UTM	PROJECT NUMBER : J-RECC

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	60.96	42.00	-50.50
2	152.40	42.00	-46.50
3	213.36	42.00	-42.50
4	304.80	29.50	-29.50
5	397.76	28.50	-23.00

F - I N T E R V A L - CORE T- %										TYPI=		UAL		TEX=		GRAIN		PGI	STRUCTUR-1		ALTERATION		MINS		ORE-TYPE		MINS		SUMMARY									
K L (UNITS = . DEC.PLACE)RECOV- M M ROCK										FYING		MIN		TURES		CHARACS					H H H H H		ANY H H H ANY		ALT		ORE											
E A (MT=METRIC FT=FOOTRIC) ERY O I										TM TM		MAT		TX TX		F C % M		ARG	/RI	T	ID	STK	DIP	A A A A A	MIN A A A MIN		- - - -											
Y G F R O M - T O - I N T ( . ) D X TYPE										1 2		QM1		1 2		F F C A				1	AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A 1 A 2					
-----,-----,-----,-----,-----,-----,-----,-----,-----,-----										-----		-----		-----		-----		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						
K F										ROCK		FM		RT		TM		QM2		TX TX		S C O O		CHT	T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA
E L										QUAL		AGE		EN=		Q		LC=		3		3 4		O	/	2	AZM	RT	H	H	H	H	H	H	H	H	1 1	
Y G										DESIG		VIR		COL				R		C				STRUCTUR-2		A A A A A		A A A A A		A A A A A		2 2						

R SVY    0.00    0.00    SPERRY SUN TESTS.

A UMM													
A LAB													
A TYP													
A MTH													
R ASY	0.00	0.00											
R ASY	0.00	0.00											
R ASY	0.00	0.00											
A 001	39.55	40.55	91	18776	0.12	5.40	-0.1	-0.1	0.03	-0.1	-0.1	-0.1	5.05
A 001	40.55	41.45	84	18777	0.38	3.62	-0.1	-0.1	0.01	-0.1	-0.1	-0.1	3.51
A CMP	39.55	41.45	175		0.24	4.53	-0.1	-0.1	0.02	-0.1	-0.1	-0.1	4.29

A MIN			0.12	3.62	-0.1	-0.1	0.01	-0.1	-0.1	-0.1	3.25
A MAX	39.55	41.45	0.38	5.40	-0.1	-0.1	0.03	-0.1	-0.1	-0.1	5.31

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G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :79-DH051	COLLAR ELEVATION:    1198.10	AZIMUTH( DEG ) :    32.00	GEOLOGGED BY :    +
TOTAL DEPTH/LENGTH :    3.96	NORTHING(- IF S): 7002146.00	VERTICAL ANGLE : -60.00	DATE (YY/MM/DD):    0
CORE/HOLE DIAMETER :    H0	EASTING (- IF N): 436572.00	CO-ORD SYSTEM :    UTM	PROJECT NUMBER : J-S

R HED                    THIS HOLE WAS ABANDONED.

F - I N T E R V A L -		CORE T- %	TYP I- QAL		TEX- GRAIN	PGI		STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV- M M	ROCK	FYING	MIN TURES	CHARACS							
E	A (MT=METRIC FT=FOOTRIC)	ERY	D I	TM TM	MAT TX TX	F C % M	ARG	/RI T	ID	STK DIP	A A A A A	MIN A A A	MIN - - -
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1 2	QM1 1 2	F F C A		1	AZM	RT QZ FL CY CA BA	XX PY CP GL YY	A 1 A 2	
-----,-----,-----,-----,-----,-----,-----,-----,-----,-----,-----,-----,-----,-----													
K	F	ROCK	FM	RT	TM	QM2 TX TX	S C O O	CHT	T	ID	STK DIP	MG NU CL SD QS	HA PR MT SL HA
E	L	QUAL	AGE	EN- 0	LC- 3	3 4 0	/		2	AZM	RT H H H H H H H	H H H H	1 1
Y	G	DESIG	VIR	COL		R C				STRUCTUR-2	A A A A A A A A	A A A A	2 2

R SVY    0.00    0.00    EASTING IS APPARENTLY DIFFERENT FROM EASTING FOR 79ADH051.

R ASY    0.00    0.00    NO ASSAY DATA FOR THIS HOLE.

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## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 79-DH052	COLLAR ELEVATION: 1374.00	AZIMUTH( DEG ) : 45.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 209.39	NORTHING(= IF S): 7003590.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : NO	EASTING (= IF W): 435322.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-RECC

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	121.92	45.00	-45.75
2	206.65	42.00	-37.00

INTERVAL - CORE										T- %		TYPI- QAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION MINS					ORE-TYPE MINS		SUMMARY							
L (UNITS = . DEC.PLACE) RECOV-										M M ROCK		FYING MIN		TURES		CHARACS						H H H H H ANY H H H ANY					ALT ORE							
E A (MT=METRIC FT=FOOTRIC) ERY										O I		TM TM		MAT TX TX		F C % M ARG		/RI T		ID STK DIP		A A A A A MIN A A A MIN					- - - -							
Y G F R O M - T O - I N T ( . )										D X TYPE		1 2		QM1		1 2		F F C A				1		AZM RT QZ FL CY CA BA XX PY CP GL YY		A 1 A 2								
- - - - - . - - - - - . - - - - - . - - - - - . - - - - - .										- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -					- - - - -					
K F										ROCK		FM		RT		TM		QM2		TX TX		S C O O		CHT		T		ID STK DIP		MG MU CL SD QS HA PR MT SL HA				
E L										QUAL		AGE		EN- 0		LC- 3		3 4		0		/		2		AZM RT		H H H H H H H H H H					1 1	
Y G										DESIG		VIR		COL				R		C				STRUCTUR-2		A A A A A A A A A A					2 2			

R SVY	0.00	0.00	SPERRY SUN TESTS.
R ASY	0.00	0.00	NO ASSAYS FROM THIS HOLE.

## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 79ADH051	COLLAR ELEVATION: 1198.10	AZIMUTH( DEG ) : 32.00	GEOLOGGED BY : HJV +
TOTAL DEPTH/LENGTH : 305.41	NORTHING( - IF S): 7002146.00	VERTICAL ANGLE : -60.00	DATE (YY/MM/DD): 810615
CORE/HOLE DIAMETER : HQNQ	EASTING ( - IF W): 436430.00	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	143.26	36.00	-58.00
2	251.46	29.00	-48.50
3	305.41	26.00	-44.00

R HED

ORIGINALLY LOGGED BY DR. GOOD AND DR. K.I.LU ON OCT 8, 1979.

[illegible]

/ OVB	0.00	36.57	36.57	OVER					P										
/	36.57	84.60	48.03	ARGL CR GR SII LM //	1 1 1			P	BD	D64 V(	L.							L*	
L				4 SF	CU BD														
R	36.57	84.60		COMPOSITIONAL LAMINATIONS INCREASE DOWNWARDS, BECOMING LESS SILI-															
R	36.57	84.60		CIFIED DOWN HOLE. WHITE MINERAL (ZEOLITE??) COATING FRACTURES.															
/ CON	84.60	151.30	66.70	SAND	*B1 MX BS	4 4 4		P	CN	70 V(								L*	
L				7	LC BD														
R	84.60	151.30		BS ARE ABE, BCDE AND BCD ALTERNATING. PYRITIZED ARGL FRAGMENTS															
R	84.60	151.30		IN THOSE BRXX INTERBEDS.															
/ SHR	121.68	124.70	3.02	X SAND	*B1 MX BS	4 4 4		R	CN	70 V(								L*	
L																			
/	128.24	130.06	1.82	X SAND	*B1 MX BS	4 4 4		R	BD	V79 V(								L*	
L																			
R	128.24	130.06		GOES BACK THROUGH SAME GENERAL SUCCESSION, WHICH SEEMS TO BE															
R	128.24	130.06		REPEATED AS PREVIOUSLY INTERVAL. FOLDING IS ALSO DEDUCTED.															
/	151.30	173.50	22.20	ARGL	CR	LM //	1 1 1	P	BD	66 V(								V(	
L				5	SF SN1	G; BN			CV	90									
/	173.50	180.00	6.50	SAND		MX LM	5 5 5	P											
L																			
/	180.00	218.40	38.40	BRHT CR GR				003	P		V+							V(	
L				4 SF				DB 2 3 3 C NO1		CV	54								





A UMM	SAMPLE		% PB	% ZN	% BA	OZ AG	% CU	% FE	OZ AU	% CD	HASH		
A LAB	SERIAL		B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG			
A TYP			H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE			
A MTH			WA	WA	WA	WA	WA	WA	WA	WA			
R ASY	0.00	0.00	B.CLG = BONDAR CLEGG, VANCOUVER; H-CORE = HALF CORE.										
R ASY	0.00	0.00	WA = WET ANALYSIS.										
R ASY	0.00	0.00	LESS THAN DETECTION LIMIT ENTERED AS -D.L. E.G. -0.01										
R ASY	0.00	0.00	NO ASSAY INFORMATION ENTERED AS -0.1										
A 001	268.75	269.92	099	18788	0.01	-0.01	10.71	0.04	-0.01	-0.1	-0.1	-0.1	10.44
A 001	269.92	272.00	190	18789	0.04	0.01	9.52	0.04	0.01	-0.1	-0.1	-0.1	9.32
A 001	272.00	272.86	062	18790	3.70	2.65	4.20	0.61	0.01	-0.1	-0.1	-0.1	10.87
A 001	272.86	273.80	076	18791	2.12	7.55	2.70	0.34	-0.01	-0.1	-0.1	-0.1	12.40
A 001	273.80	274.60	063	18792	0.30	0.84	8.72	0.10	-0.01	-0.1	-0.1	-0.1	9.65
A 001	274.60	275.84	122	18793	2.20	5.42	2.39	0.33	-0.01	-0.1	-0.1	-0.1	10.03
A 001	275.84	276.90	087	18794	3.60	14.50	0.81	0.46	0.01	-0.1	-0.1	-0.1	19.08
A 001	276.90	277.55	065	18795	5.18	11.20	0.86	0.68	0.02	-0.1	-0.1	-0.1	17.64
A 001	277.55	278.16	058	18796	2.88	4.60	1.57	0.35	0.01	-0.1	-0.1	-0.1	9.11
A 001	278.16	278.85	069	18797	0.96	0.96	0.51	0.11	0.04	-0.1	-0.1	-0.1	2.28
A MAX	268.75	278.85			5.18	14.50	10.71	0.68	0.04	-0.1	-0.1	-0.1	30.81

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A MIN				0.01	-0.01	0.51	0.04	-0.01	-0.1	-0.1	-0.1	0.24
A CMP	272.00	278.16	533	2.83	6.85	3.0	0.4	-0.1	-0.1	-0.1	-0.1	12.68
A CMP	275.84	277.55	152	4.39	13.25	-0.1	0.54	-0.1	-0.1	-0.1	-0.1	17.68

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## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH053	COLLAR ELEVATION: 1221.90	AZIMUTH( DEG ) : 30.00	GEOLOGGED BY : HJV +
TOTAL DEPTH/LENGTH : 309.37	NORTHING(- IF S): 7002262.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 810713
CORE/HOLE DIAMETER : NO	EASTING (- IF W): 436340.75	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	45.72	32.00	-54.00
2	76.20	34.00	-53.00
3	137.16	29.00	-48.00
4	182.88	30.00	-44.00
5	238.66	26.00	-36.00
6	274.32	26.00	-34.50
7	309.37	26.00	-32.50

R HED                      ORIGINALLY LOGGED BY ANGIE STARTA IN JUNE 1980.

F	- I N T E R V A L -	CORE T- %	TYPI- QAL	TEX- GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV- M M	ROCK	FYING MIN	TURES	CHARACS					
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I	TM TM	MAT TX TX	F C % M	ARG	/RI T	ID STK	DIP A A A A	A MIN A A A MIN - - - -
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1 2	QM1 1 2	F F C A		1	AZM RT	QZ FL CY CA BA	XX PY CP GL YY A 1 A 2
-	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
K	F	ROCK	FM	RT	TM QM2	TX TX S C O O	CHT	T	ID STK	DIP MG MU CL SD QS	HA PR MT SL HA
E	L	QUAL	AGE	EN- O	LC- 3	3 4 O	/	2	AZM RT	H H H H H H	H H H H 1 1
Y	G	DESIG	VIR	COL		R	C		STRUCTUR-2	A A A A A A	A A A A 2 2

R SVY	0.00	0.00	IN S001 V-ANG -58 WAS UNCERTAIN;-54 DEGREE IS CHOSEN IN CROSS
R SVY	0.00	0.00	SECTION. IN S006 AND S007 AZIMUTH RESULTS FROM SPERRY SUN TEST
R SVY	0.00	0.00	WERE CONSIDERED INVALID. A VALUE OF 26.00 IS CHOSEN IN CROSS
R SVY	0.00	0.00	SECTION.

/ QVB	0.00	33.83	33.83	OVER		P					
/	33.83	98.60	64.77	ARGL	SF SI1 // LC 1 2 1 2	P	1 BD	D73 V*		L)	LI
L				5	CR SN= SS LR		2 BD	55 V(		L?	C-
R	33.83	98.60		BD VARIES THUS:073 FROM 33.83 TO 50.40;90 DEGREES FROM 50.40							
R	33.83	98.60		TO 78.10; AND 55 FROM 78.10 TO 98.60.							
/	88.45	89.98	1.53	X BRHM	DB	J02	R			D-	
L				5	2	O LN3					
/	95.75	96.40	0.65	X ARSI	SI1 LR BN 1 4 3 4	R	1 BD	59		L+	
L				5	SN3 LC LM		5			B?	
/	98.60	109.32	10.72	BRHM	DB	NS2	P	CN	55	V)	LI
L				5	S/	2	2 O NP3				C-
R	98.60	109.32		INTERVAL 109.20-113.30 CORRELATES TO 111.00-116.13 OF HOLE 78-33							
/	100.67	105.64	4.97	X ARGL CR	LC LR 1 1 1	R	BD	55 V-		L-	
L				5	SF	SS (L					

V-





## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BR STE DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH054	COLLAR ELEVATION: 1217.80	AZIMUTH( DEG ) : 206.00	GEOLOGGED BY : HJV +
TOTAL DEPTH/LENGTH : 386.79	NORTHING(= IF S): 7002359.00	VERTICAL ANGLE : -65.00	DATE (YY/MM/DD): 810715
CORE/HOLE DIAMETER : NO	EASTING (= IF W): 436672.25	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	38.40	206.00	-68.00
2	45.72	191.00	-66.00
3	91.44	187.00	-65.50
4	121.92	190.00	-64.00
5	152.40	171.00	-57.00
6	213.36	168.00	-53.00
7	274.32	161.00	-47.00
8	335.28	161.00	-39.50
9	384.35	163.00	-37.00

R HED

ORIGINALLY LOGGED BY A.R. HILDEBRAND IN JULY 1980.

F	- I N T E R V A L -	CORE	T- %	TYPI- QAL	TEX- GRAIN	PGI	STRUCTUR-1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)RECOV-	M M ROCK	FYING MIN	TURES	CHARACS			H H H H H ANY H H H ANY	ALT ORE	
E	A (MT=METRIC FT=FOOTRIC) ERY	O I	TM TM MAT	TX TX F C % M ARG	/RI T ID STK DIP	A A A A A MIN A A A MIN	- - - -			
Y	G F R O M - T O - I N T ( . )	D X TYPE	1 2 QM1	1 2 F F C A	1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2			
K	F	ROCK	FM	RT	TM QM2 TX TX S C O D CHT	T ID STK DIP	MG MU CL SD QS HA PR MT SL HA			
E	L	QUAL	AGE EN- Q	LC- 3	3 4 0 /	2	AZM RT H H H H H H H H H	1 1		
Y	G	DESIG	VIR	COL	R C	STRUCTUR-2	A A A A A A A A A	2 2		

R SVY	0.00	0.00	THE CROSS SECTION FOR THIS HOLE WAS PLOTTED AS AN IDEAL SMOOTH
R SVY	0.00	0.00	CURVE, AND VALUES FOR INCLINATION IN S004, S007, S008, S009; AND
R SVY	0.00	0.00	FOR AZIMUTH IN S001, S004, S007, S008 ARE READINGS FROM THIS CURVE.
R SVY	0.00	0.00	VALUES FOR AZIMUTH IN S002, S003, S009 ARE FIELD READINGS
R SVY	0.00	0.00	CONSIDERED TO BE AFFECTED BY LOCAL MAGNETIC DISTURBANCE.

/ OVB	0.00	21.34	21.34	OVER	P					
/	21.34	218.50	197.16	BRHT	G;	QTS	P	SH	55 V)	D*
L				5	DB ST 2	1 0 NP1			V(	V= B.
R	21.34	218.50		CRYSTALS OF PY OCCUR MAINLY IN CHT FRAGMENTS AND BLEBS IN ARG						
R	21.34	218.50		FRAGMENTS SLICKENSIDED AND SHEAR PLANES ARE COMMON ALL THROUGH						
R	21.34	218.50		OUT THE PGI. FAULT ZONES AT 59.0;70.0;AND 106.80.						
R	21.34	218.50		COLOR CHANGES GRADUALLY TO 6A BETWEEN 79.0-85.80 AND 176.0-189.0						
/	88.70	91.80	3.10	X BRPM	SN= RS G;	NP2	R			
L				5	S11 DB	2 2 0 JO=				
R	88.70	91.80		COATINGS OF NATIVE COPPER OCCUR AT 89.41 ON FRACTURES SURFACE.						
/	99.70	101.30	1.60	X BRPM	BS G;	NS6	R	CN	U47 V1	B-
L				6	SN1 DB	2 2 0 JO1				







G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH055

COLLAR ELEVATION:        1278.90

AZIMUTH( DEG ) :    225.00

GEOLOGGED BY :        +

TOTAL DEPTH/LENGTH :    242.93

NORTHING(- IF S):    7002628.00

VERTICAL ANGLE :    -65.00

DATE (YY/MM/DD):        0

CORE/HOLE DIAMETER :    HQ

EASTING (- IF W):    436261.81

CO-ORD SYSTEM :    UTM

PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	30.48	231.00	-67.00
2	76.20	211.00	-61.00
3	121.92	208.00	-57.00
4	182.88	208.00	-52.00
5	237.88	208.00	-46.00

F - I N T E R V A L -    CORE T- %    TYPI- QAL    TEX- GRAIN    PGI    STRUCTUR-1    ALTERATION MINS    ORE-TYPE MINS    SUMMARY

K L (UNITS =    . DEC.PLACE)RECOV- M M ROCK FYING MIN TURES CHARACS    H H H H H ANY H H H ANY ALT ORE

E A (MT=METRIC FT=FOOTIRIC) ERY    O I    TM TM MAT TX TX F C % M ARG /RI T ID STK DIP A A A A A MIN A A A MIN - - - -

Y G F R O M - T O - I N T ( . ) D X TYPE 1 2 QM1 1 2 F F C A    1    AZM RT QZ FL CY CA BA XX PY CP GL YY A 1 A 2

- - - - -

K F    ROCK FM    RT    TM QM2 TX TX S C O O CHT    T ID STK DIP MG MU CL SD QS HA PR MT SL HA

E L    QUAL AGE EN- Q LC- 3    3 4 O    /    2    AZM RT H H H H H H H H H H 1 1

Y G    DESIG    VIR    COL    R    C    STRUCTUR-2 A A A A A A A A A A 2 2

R SVY    0.00    0.00    S004 READING IS ACTUALLY 212 DEG BUT IS UNCERTAIN, THEREFORE

R SVY    0.00    0.00    208 IS CHOSEN FOR MAPS.

A UMM													
A LAB													
A TYP													
A MTH													

R ASY    0.00    0.00    R.CLG = BONDAR CLEGG, VANCOUVER; H-CORE = HALF CORE.

R ASY    0.00    0.00    WA = WET ANALYSIS.

R ASY    0.00    0.00    LESS THAN DETECTION LIMIT ENTERED AS -D.L. E.G. -0.01

R ASY    0.00    0.00    NO ASSAY INFORMATION ENTERED AS -0.1

A 001	231.40	232.50	80	RS9814	0.02	-0.01	0.02	0.09	0.02	3.95	-0.1	-0.1	3.89
A 001	232.50	234.00	144	RS9815	0.04	0.01	0.07	0.06	0.02	6.00	-0.1	-0.1	6.00
A 001	234.00	235.20	96	RS9816	0.19	-0.01	0.05	0.08	0.02	10.85	-0.1	-0.1	10.98

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A MIN		0.02	-0.01	0.02	0.06	0.02	3.95	-0.1	-0.1	3.86
A MAX	231.40 235.20	0.19	0.01	0.07	0.09	0.02	10.85	-0.1	-0.1	11.03

REVIEWED BY RBF

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BASIF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH056	COLLAR ELEVATION:        1230.00	AZIMUTH( DEG ) :    228.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    23.62	NORTHING(= IF S):    7002464.00	VERTICAL ANGLE :    -70.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :    HQ	EASTING (= IF W):    436749.62	CO-ORD SYSTEM :     UTM	PROJECT NUMBER : J-S

R HED                                HOLE LOST AND TERMINATED.

F - I N T E R V A L - CORE T- %										TYPI- QAL TEX- GRAIN		PGI	STRUCTUR-1		ALTERATION MINS					ORE-TYPE MINS					SUMMARY								
K L (UNITS = . DEC.PLACE)RECOV- M M ROCK										FYING MIN		TURES		CHARACS		H	H	H	H	H	ANY	H	H	H	ANY	ALT	ORE						
E A (MT=METRIC FT=FOOTRIC) ERY Q I										TM TM		MAT TX TX		F C % M ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-
Y G F R O M - T O - I N T ( . ) O X TYPE										1 2 QM1		1 2		F F C A		1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2
- - - - - . - - - - - .																																	

R ASY        0.00        0.00        NO ASSAY DATA FOR THIS HOLE.

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G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH057	COLLAR ELEVATION:        1159.40	AZIMUTH( DEG ) :    75.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    17.98	NORTHING(- IF S):    7001814.00	VERTICAL ANGLE :    -50.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :       NO	EASTING (- IF W):    436572.31	CO-ORD SYSTEM :     UTM	PROJECT NUMBER : J-RECC

R HED                                HOLE LOST AND TERMINATED.

F - I N T E R V A L - CORE T- %										TYPI- QAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION					MINS		ORE-TYPE		MINS		SUMMARY						
K L (UNITS = . DEC.PLACE)RECOV- M M ROCK										FYING		MIN		TURES		CHARACS						H	H	H	H	H	ANY	H	H	H	ANY	ALT	ORE		
E A (MT=METRIC FT=FOOTRIC) ERY O I										TM TM		MAT		TX TX		F C % M		ARG		/RI T		ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	- - - -
Y G F R O M - T O - I N T ( . ) D X TYPE										1 2		QM1		1 2		F F C A				1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A 1	A 2
- - - - - . - - -																																			

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SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BR STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH058	COLLAR ELEVATION:        1451.20	AZIMUTH( DEG ) :    225.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    170.99	NORTHING(- IF S):    7003984.00	VERTICAL ANGLE :    -70.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :        NO	EASTING (- IF W):    435041.62	CO-ORD SYSTEM :     UTM	PROJECT NUMBER : J-RECC

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	32.31	224.00	-70.00
2	93.27	224.00	-60.00
3	163.37	224.00	-54.00

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY											
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H	ANY	H	H	ANY	ALT	ORE					
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM	TM	MAT	TX TX F C % M ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	- - - -	
Y	G F R O M - T O - I N T ( . )	O X	TYPE	1	2	QM1	1	2	F F C A	1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A 1 A 2	
-----																									
K	F	ROCK	FM	RT	TM	QM2	TX	TX	S C O O	CHT	T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA	
E	L	QUAL	AGE	EN- O	LC- 3		3	4	O	/	2		AZM	RT	H	H	H	H	H	H	H	H	H	H	1 1
Y	G	DESIG	VIR	COL					R	C			STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	2 2

R SVY	0.00	0.00	S002 AZIMUHT WAS RECORDED AS 221 BUT IS UNCERTAIN.
R SVY	0.00	0.00	SPERRY SUN TESTS.
R ASY	0.00	0.00	NO ASSAY VALUES FOR THIS HOLE.

## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE : 80-DH059	COLLAR ELEVATION: 1407.20	AZIMUTH( DEG ) : 205.00	GEOLOGGED BY : HDG +
TOTAL DEPTH/LENGTH : 153.31	NORTHING( - IF S ): 7004797.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 810826
CORE/HOLE DIAMETER : NO	EASTING ( - IF W ): 433273.44	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
---------------------------	---------------------------------------	--------------------	------------------------

1	91.40	195.00	-51.00
2	121.90	187.00	-52.00
3	152.40	186.00	-49.50

R HED                      ORIGINALLY LOGGED BY ANGIE STARTA IN JULY 1980.

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN		PGI	STRUCTUR=1	ALTERATION MINS	ORE-TYPE MINS	SUMMARY
X	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H H H H H	A ANY H H H ANY	ALT ORE	
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM TM	MAT	TX TX	F C % M ARG	/RI	T ID STK DIP	A A A A A	MIN A A A MIN	- - - -
Y	G F R D M - T D - I N T ( . )	D X	TYPE	1 2	QM1	1 2	F F C A		1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2		
-	----	-----	-----	-- --	---	-- --	-- --	- - - -	----	- -- -- -- -- -- -- -- --	- - - -	- - - -	- - - -
K	F	ROCK	FM	RT	TM	QM2	TX TX	S C O O	CHT	T ID STK DIP MG MU CL SD QS HA PR MT SL HA			
E	L	QUAL	AGE	EN- Q	LC- 3		3 4 0	/		2 AZM RT H H H H H H H H H H	1 1		
Y	G	DESIG	VIR	COL			R C			STRUCTUR=2 A A A A A A A A A A	2 2		

/ OVB	0.00	15.24	15.24	OVER	P
-------	------	-------	-------	------	---

/	15.24	118.72	103.48	ARGL CR	LM 0 2 3	P 0 LM	45	B+
L				3A	NX 9			<+

R	15.24	118.72	IN GENERAL, THIS CARBONACEOUS ARGILLITE IS FAINTLY LAMINATED
R	15.24	118.72	WITH SILT TO SAND SIZE PARTICLES. EUHEDRAL PYRITE CUBES OCCUR
R	15.24	118.72	AT INTERVALS AVERAGING .4CM IN DIAMETER. QUARTZ-SIDERITE VEINS
R	15.24	118.72	ARE PREVALENT AND ARE PROBABLY RESPONSIBLE FOR MINOR DEFORMATION
R	15.24	118.72	WITHIN THE ARGILLITE INTERVAL. OVERALL, THE ROCK RECOVERY AND
R	15.24	118.72	ROCK QUALITY IS POOR.

```

/      19.81   20.02   0.21           X ARGL SF           LM 0 2 ) 3           R 0 LM           45           D*
L
                                           V3

```

/	26.17	26.40	0.23	1 BRHM	SS	LM9	R	FD	40	B1
L				4T	5					≤+

R 26.17 26.40 PYRITE OCCURS AS EUBEDRAL CUBES THAT AVERAGE .5CM IN DIAMETER.

/	28.28	28.42	0.14	8 SILT	0 2 6 2	R	B =
L				ST	LC LM 8		<)

/	30.57	32.41	1.84	7 BRHM CR	SS	LN9	R	B+
L				3A	4			<+

R	30.57	32.41	SOFT SEDIMENT SLUMP WITHIN THE ARGILLITE HAS RESULTED IN MINOR
R	30.57	32.41	BRECCIATION. PYRITE OCCURS MAINLY AS EHDREDAL CRYSTALS, HOWEVER





K	F	F	R	D	M	-	T	O	-	I	N	T	RECOV	MD	%	ROCK	TM	TM	QM1	TX	TX	F	C	%	M	ARG	RI	1	ID	AZM	DIP	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2				
E	-	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Y	G												R	O	O	AGE	EV	RQ	LC	TM	QM2	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA							

R 121.95 122.63 ARGILLITE.

K SSX 122.68 122.68 0.00

/ 122.68 123.50 0.82 CHER CH6 JK\* P FO 50 L1 D1

L 6A BR BN LN6 &lt;= L) L1

R 122.68 123.50 Banded sulphides pinch out into small veinlets, that average

R 122.68 123.50 less than .1mm. sphalerite bands are mauve to light brown in

R 122.68 123.50 colour and average 3mm. in width. galena is associated with

R 122.68 123.50 the sphalerite as medium grained cubes. it also occurs as

R 122.68 123.50 disseminated, fine grained crystal in the mildly brecciated

R 122.68 123.50 chert and large euhedral crystals in quartz-siderite lined vugs.

R 122.68 123.50 pyrite and pyrrhotite predominantly occur in veinlets envelopes

R 122.68 123.50 of quartz-siderite are common around discontinuous bands of

R 122.68 123.50 sphalerite.

R SPC 122.68 123.50 sample D.G. 170 taken at 123.0 metres (T.S.).

/ 123.50 124.00 0.50 CHER CH6 JK\* P FO 50 L1 D1

L

/ 124.00 125.00 1.00 CHER CH4 JK\* P FO 50 M2 D2

L M= D1

R 124.00 125.00 Fe-sulphides occur as massive, fine grained, anhedral crystals

R 124.00 125.00 with small crosscutting veinlets of quartz-siderite. euhedral,

R 124.00 125.00 medium grained galena appears in vugs and interstitial spaces.

R SPC 124.00 125.00 sample D.G. 169 taken at 124.3 metres (P.T.).

/ 125.00 126.00 1.00 MSSX SF CH2 MX P V= V3 D2

L 3T VG &lt;) B1 D1

R 125.00 126.00 galena occurs in 1mm veinlets and as disseminated crystals, with

R 125.00 126.00 sphalerite, in a silicious matrix.

R SPC 125.00 126.00 sample D.G. 168 taken at 125.4m (P.T.).

R 125.00 126.00 chert rich intervals are from 10-30cms wide, and occur between

R 125.00 126.00 massive sulphide intervals of 15-40cms in width.

/ 126.00 127.00 1.00 MSSX SF CH2 MX P V= V3 D2

L

/ 127.00 128.00 1.00 MSSX SF CH2 MX P V= V3 D2

L

/ 128.00 129.00 1.00 MSSX PY MX BN P &lt;+ M3 B( &lt;2

L VG M3 M) M1 &lt;1

R 128.00 129.00 galena, sphalerite and quartz occasionally occur in bands.

R 128.00 129.00 pyrite and siderite occur as massive patches. veinlets of

R 128.00 129.00 galena, sphalerite and chalcopyrite run between these massive

R 128.00 129.00 areas in a boxwork structure. pyrrhotite is closely associated

R 128.00 129.00 with the pyrite. large lenses of white euhedral, medium grain

R 128.00 129.00 quartz is common open space filling textures are prevalent.

R SPC 128.00 129.00 sample D.G. 167 taken at 128.3 metres (P.T.).

/ 129.00 130.00 1.00 MSSX PY MX BN P &lt;+ M3 B( &lt;2

L





DRILLHOLE/TRVERSE --- 80-DH059 --- (CONTINUED)

A UMM				SAMPLE	% PB	% ZN	% BA	OZ AG	% CU	% FE	OZ AU	% CD	HASH
A LAB				SERIAL	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	
A TYP					H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
A MTH					WA	WA	WA	WA	WA	WA	WA	WA	
R ASY	0.00	0.00		B.CLG = BONDAR CLEGG, VANCOUVER; H-CORE = HALF CORE.									
R ASY	0.00	0.00		WA = WET ANALYSIS.									
R ASY	0.00	0.00		LESS THAN DETECTION LIMIT ENTERED AS -D.L. E.G. -0.01									
R ASY	0.00	0.00		NO ASSAY INFORMATION ENTERED AS -0.1									
A 001	120.40	122.68	166	8460	0.04	0.03	-0.01	0.05	0.03	8.27	-0.01	-0.1	8.30
A 001	122.68	123.50	066	8461	5.55	5.50	0.01	1.54	0.02	12.70	-0.01	-0.1	25.21
A 001	123.50	124.00	050	8462	7.97	5.45	-0.01	1.60	-0.01	6.50	-0.01	-0.1	21.39
A 001	124.00	125.00	100	8463	8.55	5.10	0.02	2.07	0.02	19.18	-0.01	-0.1	34.83
A 001	125.00	126.00	100	8464	9.35	4.00	-0.01	2.50	0.03	34.32	-0.01	-0.1	50.08
A 001	126.00	127.00	100	8465	8.13	4.65	-0.01	2.53	0.02	25.91	-0.01	-0.1	41.12
A 001	127.00	128.00	100	8466	7.05	5.30	-0.01	2.16	0.02	28.22	-0.01	-0.1	42.63
A 001	128.00	129.00	100	8467	13.50	3.00	-0.01	3.18	0.03	33.01	-0.01	-0.1	52.60
A 001	129.00	130.00	100	8468	16.65	4.65	-0.01	3.95	-0.01	27.17	-0.01	-0.1	52.29
A 001	130.00	131.00	100	8469	8.40	1.58	-0.01	2.10	0.03	33.67	-0.01	-0.1	45.66
A 001	131.00	132.00	100	8470	11.76	3.00	-0.01	2.82	0.03	32.10	-0.01	-0.1	49.59
A 001	132.00	133.00	100	8471	11.31	3.73	-0.01	2.64	0.01	34.27	-0.01	-0.1	51.84
A 001	133.00	134.00	100	8472	12.99	9.35	-0.01	2.97	0.01	24.80	-0.01	-0.1	50.00
A 001	134.00	135.00	100	8473	12.79	3.50	-0.01	2.78	0.02	29.84	-0.01	-0.1	48.81
A 001	135.00	136.00	100	8474	9.16	2.62	-0.01	1.87	0.01	31.40	-0.01	-0.1	44.96
A 001	136.00	137.00	099	8475	26.61	1.27	-0.01	5.21	0.01	26.04	-0.01	-0.1	59.02
A 001	137.00	138.00	099	8476	6.50	1.67	-0.01	1.54	0.01	33.16	-0.01	-0.1	42.76
A 001	138.00	139.00	097	8477	2.97	1.61	-0.01	0.93	0.01	35.63	-0.01	-0.1	41.03
A 001	139.00	140.00	093	8478	4.40	4.10	-0.01	1.23	0.02	26.07	-0.01	-0.1	35.70
A 001	140.00	140.60	056	8479	13.97	3.15	0.01	3.15	0.03	20.49	-0.01	-0.1	40.69
A 001	140.60	142.10	141	8480	6.91	1.26	-0.01	1.78	0.01	11.09	-0.01	-0.1	20.93
A 001	142.10	143.00	087	8481	0.28	0.10	-0.01	0.07	-0.01	5.24	-0.01	-0.1	5.56
A 001	148.48	148.96	037	8482	3.12	0.13	-0.01	0.76	0.03	10.24	-0.01	-0.1	14.16
A MAX	120.40	148.96			26.61	9.35	0.02	5.21	0.03	35.63	-0.01	-0.1	76.74

A MIN				0.04	0.03	-0.01	0.05	-0.01	5.24	-0.01	-0.1	5.23
A CMP	122.68	137.00	1413	11.51	4.12	-0.1	2.71	-0.1	27.40	-0.1	-0.1	45.34
A CMP	122.68	142.10	1900	10.16	3.61	-0.01	2.43	0.02	26.64	-0.1	-0.1	42.65

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## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE : 80-DH060	COLLAR ELEVATION: 1407.20	AZIMUTH( DEG ) : 205.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 242.32	NORTHING(- IF S): 7004797.00	VERTICAL ANGLE : -70.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : H0ND	EASTING (- IF W): 433273.44	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	30.48	209.70	-69.00
2	57.91	215.00	-68.00
3	88.39	214.00	-67.00
4	118.87	208.00	-64.50
5	149.35	206.00	-62.00
6	182.88	195.00	-61.00
7	213.36	191.00	-61.00
8	240.79	189.00	-60.00

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN		PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H H H H H ANY H H H ANY	ALT	ORE			
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM TM	MAT	TX TX	F C % M ARG	/RI	T ID STK DIP	A A A A A MIN A A A MIN	- - - -			
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1 2	QM1	1 2	F F C A		1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2				
-	---	----	-----	-- --	---	-- --	- - - -	-----	---	- --- --- ---	-- -- -- -- -- -- -- --	- - - -			
K	F	ROCK	FM	RT	TM	QM2	TX TX	S C O D CHT		T ID STK DIP MG MU CL SD QS HA PR MT SL HA					
E	L	QUAL	AGE	EN- 0	LC- 3		3 4 0	/	2	AZM RT H H H H H H H H H H	1 1				
Y	G	DESIG	VIR	COL			R	C		STRUCTUR-2	A A A A A A A A A A	2 2			

R SVY	0.00	0.00	SPERRY SUN TESTS.
R SVY	0.00	25.60	HOLE TRICONED TO BYPASS BROKEN GROUND.
R SVY	0.00	145.66	HQ CORE: 145.66-242.32(END) NO CORE.
R SVY	30.48	57.91	AZIMUTH HAS BEEN EXTRAPOLATED.

A UMM	SAMPLE				% PB	% ZN	% BA	OZ AG	% CU	% FE	OZ AU	% CD	HASH
A LAB	SERIAL				B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	B.CLG	
A TYP	NUMBER				H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	H-CORE	
A MTH					WA	WA	WA	WA	WA	WA	WA	WA	
R ASY	0.00	0.00	B.CLG = BONDAR CLEGG, VANCOUVER; H-CORE = HALF CORE.										
R ASY	0.00	0.00	WA = WET ANALYSIS.										
R ASY	0.00	0.00	LESS THAN DETECTION LIMIT ENTERED AS -D.L., E.G., -0.01										
R ASY	0.00	0.00	NO ASSAY INFORMATION ENTERED AS -0.1										
A 001	128.76	129.76	100	KL9327	-0.01	1.28	0.08	-0.05	-0.01	5.45	-0.002	-0.1	6.638
A 001	129.76	130.31	52	KL9328	0.01	0.12	0.09	0.04	0.01	4.50	-0.002	-0.1	4.668
A 001	130.31	131.03	61	KL9329	0.01	8.20	0.01	0.06	0.01	5.55	-0.002	-0.1	13.738
A 001	184.32	185.32	91	8548	0.05	-0.01	0.12	0.06	-0.01	4.13	-0.002	-0.1	4.238
A 001	185.32	186.32	100	8531	0.48	0.12	0.01	0.09	0.03	33.18	-0.002	-0.1	33.808
A 001	186.32	188.64	224	8532	7.91	0.08	-0.01	2.09	0.02	34.50	0.002	-0.1	44.492
A 001	188.64	189.77	103	8533	11.50	0.10	0.01	2.12	0.03	18.55	0.002	-0.1	32.212
A 001	189.77	191.57	172	8534	13.20	0.34	0.06	1.90	0.01	10.15	-0.002	-0.1	25.558
A 001	191.57	192.57	98	8549	0.13	0.11	0.09	0.04	0.01	8.55	0.002	-0.1	8.832
A CMP	186.32	191.57	525		10.50	0.17	0.03	2.03	0.02	22.72	0.002	-0.1	35.372



A MIN		-0.01	-0.01	-0.01	-0.05	-0.01	4.50	-0.002	-0.1	4.308
A MAX	128.76 191.67	13.20	8.20	0.12	2.12	0.03	34.50	0.002	-0.1	58.072

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G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PR-ZN-AG-BR STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :80-DH061	COLLAR ELEVATION:        1277.00	AZIMUTH( DEG ) :    216.00	GEOLOGGED BY :        +
TOTAL DEPTH/LENGTH :    203.30	NORTHING(- IF S):    7002478.00	VERTICAL ANGLE :    -78.00	DATE (YY/MM/DD):       0
CORE/HOLE DIAMETER :     HQ	EASTING (- IF W):    436545.87	CO-ORD SYSTEM :     UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	15.24	214.00	-78.00
2	30.48	211.50	-78.50
3	45.72	209.00	-77.00
4	60.96	207.50	-72.50
5	76.20	206.00	-69.00
6	91.44	204.00	-67.00
7	106.64	202.00	-67.00
8	121.92	195.00	-67.00
9	137.16	195.00	-65.00
10	152.40	194.00	-63.50
11	167.64	194.00	-62.00
12	182.88	194.00	-59.50
13	198.12	194.00	-59.00

F	-	I	N	T	E	R	V	A	L	-	CORE	T	%	TYPI	-	QAL	TEX	-	GRAIN	PGI	STRUCTUR	=1	ALTERATION	MINS	ORE	-TYPE	MINS	SUMMARY	
K	L	(	U	N	I	T	S	=	.	D	E	C	.	P	L	A	C	E	R	E									
E	A	(	M	T	=	M	E	T	R	I	C			F	T	=	F	O	O	T	R	I	C						
Y	G	F	R	O	M	-	T	O	-	I	N	T	(	.	)														
K	F																												
E	L																												
Y	G																												

R SVY	0.00	0.00	SPERRY SUN TESTS. AZIMUTH WITH INCONSISTENT TRENDS HAVE BEEN
R SVY	0.00	0.00	DELETED.
R ASY	0.00	0.00	NO ASSAYS FOR THIS HOLE.
R ASY	30.48	45.72	AZIMUTH HAS BEEN EXTRAPOLATED.
R ASY	60.96	76.20	AZIMUTH HAS BEEN EXTRAPOLATED.
R ASY	91.44	106.64	AZIMUTH HAS BEEN EXTRAPOLATED.
R ASY	167.64	182.88	AZIMUTH HAS BEEN EXTRAPOLATED.
R ASY	182.88	198.12	AZIMUTH HAS BEEN EXTRAPOLATED.

## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE : 80-DH062	COLLAR ELEVATION: 1373.80	AZIMUTH( DEG ) : 27.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 135.64	NORTHING( - IF S ): 7004611.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : HQ	EASTING ( - IF W ): 433316.19	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	30.48	30.00	-50.00
2	60.96	31.00	-49.00
3	91.44	33.00	-48.00
4	135.64	31.00	-48.00

F	- I N T E R V A L -	CORE	T- %	TYPI-	DAL	TEX-	GRAIN		PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H H H H H ANY H H H ANY	ALT	ORE			
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM TM	MAI	TX TX	F C % M ARG	/RI	T ID STK DIP	A A A A A MIN	A A A MIN	- - -		
Y	G F R O M - T O - I N T ( . )	D X TYPE	- 1	2 QM1	1	2 F F C A			1	AZM RT QZ FL CY CA BA XX PY CP GL YY	A 1 A 2				
K	F	ROCK	FM	RT	TM	QM2	TX TX	S C U O CHT		T ID STK DIP	MG MU CL SD QS HA PR MT SL HA				
E	L	QUAL	AGE EN-	9 LC-	3	3	4 G	/	2	AZM RT H H H H H H H H H	1 1				
Y	G	DESIG	VIR	COL	R	C				STRUCTUR-2	A A A A A A A A A A	2 2			

R SVY      0.00      0.00      SPERRY SUN TESTS.

[illegible]

A MIN		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.80
A MAX	83.85 100.58	8.00	6.90	0.12	1.95	0.02	27.10	-0.1	43.89

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## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BA-STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :80-DH063	COLLAR ELEVATION: 1295.40	AZIMUTH( DEG ) : 183.00	GEOLOGGED BY : JDK + JER
TOTAL DEPTH/LENGTH : 591.62	NORTHING(- IF S): 7002611.00	VERTICAL ANGLE : -72.67	DATE (YY/MM/DD): 810611
CORE/HOLE DIAMETER : HQNQ	EASTING (- IF W): 436463.25	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	3.05	183.27	-71.77
2	30.48	183.22	-70.88
3	60.96	181.45	-70.64
4	91.44	179.11	-68.60
5	121.92	175.12	-62.59
6	152.40	173.57	-61.94
7	182.88	173.58	-60.62
8	213.36	174.52	-58.49
9	220.98	174.55	-57.63
10	228.60	174.14	-56.58
11	236.22	174.03	-55.70
12	243.84	175.06	-54.85
13	274.32	175.45	-52.77
14	304.80	175.43	-50.72
15	335.28	176.28	-49.42
16	365.76	178.39	-47.43
17	396.24	179.18	-45.57
18	426.72	177.51	-41.87
19	457.20	176.02	-37.50
20	487.68	175.36	-34.77

F	- I N T E R V A L -	CORE	T- %	TYP1=	QAL	TEX=	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY											
K	L (UNITS = . DEC.PLACE)	RECOV=	M M ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H	ANY	H	H	ANY	ALT	ORE						
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I	TM	TM	MAT	TX TX F C % M ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	MIN	-	-	-	
Y	G F R D M - T O - I N T ( . )	D X	TYPE	1	2	QM1	1 2 F F C A		1	AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2
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K	F	ROCK	FM	RT	TM	QM2	TX TX S C O O CHT		T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA			
E	L	QUAL	AGE	EN- 0	LC- 3		3 4 0 /		2	AZM	RT	H	H	H	H	H	H	H	H	H	H	1		1	
Y	G	DESIG	VIR	COL			R C			STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	2		2	

R SVY	0.00	0.00	DATA REPRESENTS MERGER OF GYROSCOPIC SURVEY DATA OBTAINED FR																				
R SVY	0.00	0.00	THE UPPER PART OF THE DETAILED SURVEY OF DDH 80-63B WITH THE																				
R SVY	0.00	0.00	LESS DETAILED CLOWER PART OF HOLE) GYROSCOPIC SURVEY OF																				
R SVY	0.00	0.00	DDH 80-63. (IE: 0.0 - 243.84M FROM DDH 80-63B).																				
R SVY	251.77	251.77	HALL AND ROWE STEEL WEDGE. FULL STEEPENING.																				
R SVY	359.97	359.97	HALL AND ROWE STEEL WEDGE. FULL STEEPENING.																				
R SVY	398.07	398.07	HALL AND ROWE STEED WEDGE. FULL STEEPENING.																				

/ OVB	0.00	4.75	4.75	OVER																	P
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/	4.75	18.90	14.15	TRIC																	P
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/ MET	18.90	34.06	15.16	0.5	BRHM	*S=	NQ9	P	D*
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K F F R O M - T O - I N T R E C O V	M D	%	R O C K	T M	T M	Q M 1	T X	T X	F	C	%	M	A R G	R I	1	I D	A Z M	D I P	Q Z	F L	C Y	C A	B A	X X	P Y	C P	G L	Y Y	A	1	A	2
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Y G	R O D	A G E	E V	R O	L C	T M	Q M 2	T X	T X	S	C	O	O	C H T	2	I D	A Z M	D I P	M G	M U	C L	S D	Q S	H A	P R	M T	S L	H A				

R	18.90	34.06	PYRITE WEATHERING PRODUCES RED-BROWN LOCALIZED STAINING.																							
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/ SHR	30.00	30.01	0.01	X BRHM										R									
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R	30.00	30.01	ROCK IS HIGHLY FRAGMENTED. SHEAR ZONE THROUGHOUT INTERVAL.																									
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R	30.00	30.01	FRAGMENTS RANGE FROM LARGE CLASTS (S=8) TO GOUGE.																									
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/	34.06	50.36	16.30	BRHT										NP7 P										D)							
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/ FAL	38.46	40.54	2.08	X FAUL										GGX										R							
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R	38.46	40.54	GOUGE APPEARS TO BE ALTERED BRHT.																									
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/ SHR	40.54	42.06	1.52	X BRHM										OS9 R										>2								6*							
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/	42.06	43.81	1.75	X BRHM										OS9 R										>1								6*							
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/	43.81	50.36	6.55	X BRHT PY										OP7 R										<.								#)							
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R	43.81	50.36	DISSEMINATED AND LAMINATED PYRITE ALSO ABUNDANT. LARGE ARGILLITE																									
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R	43.81	50.36	FRAGMENT IS BRHM.																									
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/	50.36	56.66	6.30	BRHM										SI1 SS										0 1 1 1 NO9 P										CV								65								L*							
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/	56.66	79.72	23.06	BRHT										NT7 P																		#)							
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R	56.66	79.72	MASSIVE SIDERITE IN VEINS WITH SMALL AMOUNT OF QUARTZ.																									
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/	69.29	74.00	4.71	X BRHT										MQ4 R										00 >1								D-								00							
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/	74.00	79.72	5.72	X BRHT										NT7 R										00								#+								00							
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/	79.72	123.30	43.58	BRHM										SI1										RU9 P																		B+							
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R	79.72	123.30	LENGTHS OF CORE UP TO 2M SHOW LITTLE MORE THAN SOFT SEDIMENT																									
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R	79.72	123.30	DEFORMATION, BUT ARE SEPARATED BY SHALE CLASTS.																									
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R	79.72	123.30	A GREEN MINERAL OCCURINE ALONG FRACTURES MAY BE CHLORITE.																									
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/	114.16	116.52	2.36	X BRHM										SI1										RU9 R										<1								B+							
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/	116.52	119.09	2.57	X BRHM										SI1										LM+ R																		B+							
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/ FAL	123.30	136.07	12.77	FAUL										GG7										P															
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G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH064	COLLAR ELEVATION: 1373.80	AZIMUTH( DEG ) : 207.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 206.96	NORTHING(- IF S): 7004612.00	VERTICAL ANGLE : -60.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : HQ	EASTING (- IF W): 433317.75	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	46.02	212.00	-61.50
2	91.74	207.00	-61.00
3	143.56	207.00	-61.00
4	204.52	207.00	-60.00

F	- I N T E R V A L -	CORE	I- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K L	(UNITS = . DEC.PLACE)	RECOV-	H M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	H ANY H H H ANY ALT ORE
E A	(MT=METRIC FT=FOOTRIC)	ERY	O I		TM	TM	MAT	TX TX F C % M ARG	/RI	T	ID	STK	DIP	A A A A A MIN A A A MIN - - -
Y G	F R O N - T O - I N T ( . )	D X	TYPE	1	2	QM1	1	2	F F C A	1	AZM	RT	QZ	FL CY CA BA XX PY CP GL YY A 1 A 2
K F		ROCK	FM	RT	TM	QM2	TX	TX	S C O O CHT	T	ID	STK	DIP	MG MU CL SD QS HA PR MT SL HA
E L		QUAL	AGE	EN- D	LC- 3		3	4	0 /	2	AZM	RT	H	H H H H H H H H H 1 1
Y G		DESIG	VIR	CUL			R	C		STRUCTUR-2	A	A	A	A A A A A A A A A 2 2

R SVY 0.00 0.00 SPERRY SUN TESTS

R ASY 0.00 0.00 NO ASSAYS FOR THIS HOLE



G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE :80-DH066	COLLAR ELEVATION: 1346.80	AZIMUTH( DEG ) : 31.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 384.35	NORTHING(- IF S): 7004394.00	VERTICAL ANGLE : -55.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : HOND	EASTING (- IF W): 433525.62	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	60.96	34.00	-55.50
2	289.86	34.00	-54.00
3	335.58	34.00	-54.00
4	384.35	30.00	-42.00

F	- I N T E R V A L -	CORE	T- %	TYPI-	DAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS		H	H	H	H	ANY H H H ANY ALT ORE
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I		TM	TM	MAT	TX TX F C % M ARG	/RI	T	ID	STK	DIP	A A A A A MIN A A A MIN - - -
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1	2	QMI	1	2	F F C A	1	AZM	RT	QZ	FL CY CA BA XX PY CP GL YY A 1 A 2
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K	F	ROCK	FM	RT	TM	QMI	TX	TX	S C O O CHT	T	ID	STK	DIP	MG MU CL SD QS HA PR MT SL HA
E	L	QUAL	AGE	EN- 0	LC- 3		3	4	0 /	2	AZM	RT	H	H H H H H H H H H 1 1
Y	G	DESIG	VIR	COL			R	C		STRUCTUR-2	A	A	A	A A A A A A A A A 2 2

R SVY	0.00	0.00	SPERRY SUN TESTS.
R SVY	0.00	0.00	REDUCED FROM HQ TO NO AT 254.20 M.
R ASY	0.00	0.00	NO ASSAYS FOR THIS HOLE.



## G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.  
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE : 80-DH067	COLLAR ELEVATION: 1374.90	AZIMUTH( DEG ) : 30.00	GEOLOGGED BY : +
TOTAL DEPTH/LENGTH : 99.67	NORTHING(= IF S): 7004717.00	VERTICAL ANGLE : -50.00	DATE (YY/MM/DD): 0
CORE/HOLE DIAMETER : HQ	EASTING (= IF W): 433152.12	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-END

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
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1	52.43	34.00	-52.00
2	98.15	30.00	-51.50

INTERVAL - CORE										T- %		TYPI- QAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION MINS					ORE-TYPE MINS		SUMMARY		
L (UNITS = . DEC.PLACE)RECUV-										M M		ROCK		FYING MIN		TURES		CHARACS				H H H H H		ANY H H H ANY		ALT ORE			
E A (MT=METRIC FT=FOOTRIC) ERY										O I		TM TM		MAT TX TX		F C % M		ARG		/RI T		ID STK DIP		A A A A A		MIN A A A MIN		- - - -	
Y G FROM - TO - INT ( . )										D X		TYPE		1 2		QM1		1 2		F F C A				1		AZM RT QZ FL CY CA BA XX PY CP GL YY		A 1 A 2	
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K F										ROCK		FM		RT		TM QM2		TX TX		S C O O		CHT		T		ID STK DIP MG MU CL SD QS HA PR MT SL HA			
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R SVY	0.00	0.00	SPERRY SUN TESTS.
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A MIN		0.02	-0.01	-0.01	0.05	0.01	4.65	-0.01	-0.1	4.60
A MAX	77.72 82.41	1.32	0.25	0.26	2.44	0.06	33.50	-0.01	-0.1	37.72

PRINTED BY R.H.F.

## G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

JASON PB-ZN-AG-BR STE DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE :80ADH056	COLLAR ELEVATION: 1230.00	AZIMUTH( DEG ) : 228.00	GEOLOGGED BY : WJJ +
TOTAL DEPTH/LENGTH : 647.40	NORTHING(- IF S): 7002464.00	VERTICAL ANGLE : -70.00	DATE (YY/MM/DD): 811019
CORE/HOLE DIAMETER : HQND	EASTING (- IF W): 436749.62	CO-ORD SYSTEM : UTM	PROJECT NUMBER : J-S

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH ( DEG )	VERT. ANGLE ( DEG )
1	30.48	224.00	-68.00
2	91.44	218.50	-66.00
3	152.40	213.00	-64.00
4	213.36	209.50	-64.00
5	274.32	206.00	-61.00
6	362.10	204.00	-57.00
7	365.76	203.00	-56.00
8	373.38	201.00	-56.00
9	381.00	199.50	-55.00
10	388.62	198.00	-54.00
11	396.24	196.50	-51.00
12	403.86	195.00	-49.00
13	411.48	194.33	-46.00
14	426.70	193.00	-43.50
15	457.20	192.00	-43.00
16	487.68	191.00	-40.00
17	518.16	189.00	-36.00
18	548.64	185.00	-31.00
19	563.88	176.00	-31.00
20	571.50	175.00	-30.00
21	579.12	174.00	-29.00
22	586.74	172.90	-28.00
23	594.36	171.80	-28.00
24	601.98	170.70	-27.00
25	609.60	169.60	-28.00
26	646.18	164.00	-22.00

R HED 80-WH056: A-HOLE WAS 80-56A AND IS THE PILOT HOLE FOR WEDGED

R HED HOLE B (HOLE WAS CALLED 80-56B).

F	- I N T E R V A L -	CORE	T- %	TYPI-	QAL	TEX-	GRAIN	PGI	STRUCTUR-1	ALTERATION	MINS	ORE-TYPE	MINS	SUMMARY																	
K	L (UNITS = . DEC.PLACE)	RECOV-	M M	ROCK	FYING	MIN	TURES	CHARACS	H	H	H	H	H	ANY	H	H	H	ANY	ALT	ORE											
E	A (MT=METRIC FT=FOOTRIC)	ERY	O I	TM	TM	MAT	TX	TX	F C	%	M	ARG	/RI	T	ID	STK	DIP	A	A	A	A	A	MIN	A	A	A	MIN	-	-	-	-
Y	G F R O M - T O - I N T ( . )	D X	TYPE	1	2	QM1	1	2	F F	C A			1	AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2		
K	F	ROCK	FM	RT	TM	QM2	TX	TX	S	C	O	O	CHT	T	ID	STK	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA				
E	L	QUAL	AGE	EN-	O	LC-	3	3	4	O	/		2	AZM	RT	H	H	H	H	H	H	H	H	H	H	H	1	1			
Y	G	DESIG	VIR	CDL					R	C				STRUCTUR-2	A	A	A	A	A	A	A	A	A	A	A	A	2	2			

R SVY 91.44 152.40 AZIMUTH IS EXTRAPOLATED.

R SVY 213.36 274.32 AZIMUTH IS EXTRAPOLATED.

## DRILLHOLE/TRVERSE --- 80ADH056 --- (CONTINUED)

K	F	F	R	O	M	-	T	O	-	I	N	T	RECDV	MD	%	ROCK	TM	TM	QM1	TX	TX	F	C	%	M	ARG	RI	1	ID	AZM	DIP	OZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2				
E	-	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Y	G												R	O	D	AGE	EV	RQ	LC	TM	QM2	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA							

R SVY	365.76	373.38	AZIMUTH IS EXTRAPOLATED.
R SVY	381.00	388.62	AZIMUTH IS EXTRAPOLATED.
R SVY	388.62	396.24	AZIMUTH IS EXTRAPOLATED.
R SVY	396.24	403.86	AZIMUTH IS EXTRAPOLATED.
R SVY	411.48	426.70	AZIMUTH IS EXTRAPOLATED.
R SVY	457.20	487.68	AZIMUTH IS EXTRAPOLATED.
R SVY	571.50	579.12	AZIMUTH IS EXTRAPOLATED.
R SVY	586.74	594.36	AZIMUTH IS EXTRAPOLATED.
R SVY	594.36	601.98	AZIMUTH IS EXTRAPOLATED.
R SVY	601.98	609.60	AZIMUTH IS EXTRAPOLATED.
R SVY	609.60	646.18	AZIMUTH IS EXTRAPOLATED.
R SVY	647.40	647.40	END OF WEDGED HOLE A.
R SVY	0.00	0.00	SPERRY SUN TESTS; ERRATIC AZIMUTHS (POSSIBLY DUE TO PYRRHOTITE)
R SVY	0.00	0.00	ARE DELETED IN THE ABOVE LISTING.
R SVY	0.00	363.32	NO-CORE SIZE
R SVY	363.32	647.40	NO-CORE SIZE

[illegible]





K	F	F	R	O	M	-	T	O	-	I	N	T	RECOV	MD	%	ROCK	TM	TM	Q	N1	TX	TX	F	C	%	M	ARG	RI	1	ID	AZM	DIP	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2				
E	-L-	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Y	G												R	O	O	AGE	EV	RQ	LC	TM	Q	N2	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA							

R 197.10 290.38 2) SLATY CLEAVAGE OR 3) DEWATERING TRACES.

/ SHR 207.30 220.98 13.68 X SHER 661 R

L

/ SHR 225.35 225.70 0.35 X SHER R

L

/ SHR 227.17 227.40 0.23 X SHER R

L

/ SHR 231.92 239.20 7.28 X SHER 662 R

L

/ SHR 245.80 246.50 0.70 X SHER R

L

/ SHR 248.87 249.70 0.83 X SHER R

L

/ SHR 252.93 253.74 0.81 X SHER R

L

/ SHR 254.81 255.40 0.59 X SHER R

L

/ SHR 264.75 265.44 0.69 X SHER R

L

/ SHR 271.04 271.73 0.69 X SHER R

L

/ SHR 272.70 273.10 0.40 X SHER R

L

/ VEN 288.80 290.38 1.58 1 VEIN QZ6 BR A K 3 M R VN 90 D\*

L

R 288.80 290.38 CONTAINS ARGL FRAGMENTS BROKEN OFF WALLROCK.

/ SHR 290.38 291.74 1.36 BRHT SD1 BR FU LQ2 P D\*

L

/ 290.38 291.08 0.70 X CGSN SD2 BR FU I N 6 P R

L

R 290.38 291.74 POSSIBLY A TURBIDITE THAT WAS SORF SEDIMENT SLUMPED.

/ 291.74 337.72 45.98 BRHM SS FL KR9 P CL 60 D.

L

R 291.74 337.72 SAME AS 197.10 TO 290.38M.

/ SHR 297.18 304.95 7.77 X SHER 662 R

L



K	F	R	O	M	-	T	O	-	I	N	T	RECOV	MD	%	ROCK	TM	TM	QM1	TX	TX	F	C	%	M	ARG	RI	1	ID	AZM	DIP	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A	1	A	2		
E	-	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Y	G											R	Q	O	AGE	EV	RD	LC	TM	QM2	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA					

R 306.93 309.90 LARGE ARSN BOULDER.

/ SHR 319.55 322.74 3.23 X SHER R

/ 337.72 368.30 30.58 BRHM CR \*S( BR NS8 P D=

L 337.72 368.30 3A 3 \* LM+

R 337.72 368.30 MATRIX LIGHTLY GRAPHITIC WITH SOME CHERT PEBBLES. FRAGMENTS

R 337.72 368.30 MUCH SMALLER THAN IN ABOVE UNIT AND CONSIST MAINLY OF ARSI.

R 337.72 368.30 CHERT CONTENT DECREASES SLIGHTLY DOWNHOLE FROM SHEAR. CHANGE

R 337.72 368.30 FROM HQ TO HQ AT 363.32M.

/ 352.70 353.90 1.20 X BRHM CR BR MN6 R B+ B)

L 352.70 353.90 2A 5 IM+ V\*

R 352.70 353.90 SAME AS PGI BUT HIGHER MATRIX CONTENT AND SMALLER CLASTS.

/ SHR 353.90 354.52 0.62 X SHER GG1 R

/ 367.94 368.04 0.10 7 SAND CH3 MX G I S K R D1 D1

L 367.94 368.04 4A 7 D2

/ 368.30 374.08 5.78 BRHT BR B\* MQ4 P D=

L 368.30 374.08 6A 3 ) L05 V\*

R 368.30 374.08 A COARSE SAND MAINLY OF CHERT IN ARGL OCCURS AS MATRIX.

/ 372.73 374.08 1.35 X BRHT BR B\* MP7 R 7\*

L 372.73 374.08 4A 2 2 LN1

/ 374.08 375.28 1.20 BRHM CR MN7 P &lt;(

L 374.08 375.28 2A 5

R 374.08 375.28 MATRIX GRAPHITIC SIMILAR TO MATRIX OF ABOVE TWO UNITS.

/ SHR 374.74 375.28 0.54 X SHER R V+

/ 375.28 376.93 1.65 SAND CH // FU F H 6 M P &lt;( D=

L 375.28 376.93 6A B\* 2 0 D2

R 375.28 376.93 LESS THAN 20% MAXIMUM SIZED PARTICLES. POSSIBLY A TURBIDITE.

R 375.28 376.93 ANGULAR CLASTS. CORE AT CONTACTS BROKEN UP. MAY BE A FRAGMENT.

/ 376.93 403.80 26.87 BRHM CR \*S- BR B\* OU9 P &lt;.

L 377.93 403.80 3A 1 - ( IJ\*

R 377.93 403.80 MATRIX LIGHTLY GRAPHITIC. GREATEST DISRUPTION AND ROTATION OF

R 377.93 403.80 FRAGS IN TOP 12M OF UNIT.

/ FRG 388.70 389.30 0.60 X CGCP \*S) B\* G M 3 P R D=

L 388.70 389.30 5A 2 ) R+

/ 402.29 402.70 0.41 8 BRHT \*S+ JL3 R D(

L 402.29 402.70 4A 3 + IK2



/	494.14	526.68	32.54	BRHM	SI= BR SS	PU9	P	
L				3A	SN= LM			D+ D*

/	548.00	549.05	1.05	BRHT	BR	NP7	P	70	D.
L				3A		LN1			B.
R	549.05	549.49		GALENA ZONE, BANDED PY, SL & GL AT BOTTOM OF THIS UNIT.					

555.73 555.93 GALENA ZONE



/	587.00	600.00	13.00	BRHM	*S+ BR SS	NQ9	P	<*	B*	
L				4A		4	+	<*		
/	587.00	589.86	2.86	X BRHM	SIF BR	MP9	R		I=	
L				4A		4		<*		
R	587.00	600.00		SOME SILICIFIED CLASTS NEAR THE VOTTOM OF THE UNIT.						
K US3	600.00	600.00	0.00							
/	600.00	612.00	12.00	FGSX PY PR SIF BR BD A M 4 D		P			M4 D. D)	
L				5D SD		6		D1	D1	
R	600.00	612.00		FRAGS CONSIST OF SILICIFIED ARGL. SD PERCENTAGE INCREASES						
R	600.00	612.00		DOWNHOLE WHILE PY, PR DECREASE. BANDED ARGL AND PY-PR-SD OCCUR						
R	600.00	612.00		FROM 603.50M TO 607.50, BUT ALSO LIGHTLY BRECCIATED. 600.00M TO						
R	600.00	612.00		612.80M CORRELATABLE WITH DDH 568 643.08M TO 654.64M.						
/	609.13	612.00	2.87	X FGSX SD PY SIF BR	A M 5 D	R			D1 D+	
L				6A PR		6		I3	D=	
R	609.13	612.00		FRAG PERCENTAGE INCREASES DOWNHOLE.						
K LS3	612.00	612.00	0.00							
/	612.00	630.97	18.97	BRHM	*S= SS CL	NT9	P	CL 45 <=	D( B.	
L				3A		3		D=		
R	612.00	630.97		ORIGINALLY AN ARSI, NOW SLUMPED. SLATY CLEAVAGE.						
/ VEN	614.49	615.59	1.10	S VEIN QZ		A I 1 D	R		B= B.	
L										
R	614.49	615.59		CONTAINS ARGL FRAGS.						
/	621.04	621.29	0.25	X BRHM	SD= SS		R		D*	
L				4A				<1	B*	
R	621.04	621.29		SIDERITIC ZONE.						
/ FRG	630.97	634.49	3.52	CGBR	BR SS	LO1	P		M+	
L				6A	F*	LN6		M2		
R	630.97	634.49		3 FRAGS OF CGBR EACH SEPARATED BY 20CM OF BRPM WHOSE CLASTS						
R	630.97	634.49		ORIGINATE IN THE CGBR. SS EVIDENT IN BRPM.						
/	634.49	638.80	4.31	BRHM	*S= SS	NP9	P		B=	
L				3A				D. <=		
R	637.03	637.64		STRONGLY CARBONACEOUS AND FRIABLE. POSSIBLY A PARTIALLY						
R	637.03	637.64		RELITHIFIED SHEAR.						
/	637.03	638.80	1.77	7 BRHM CR	*S=	NQ9	R	CL 35 <+	D=	
L				3A	GR)			<*		
/ DYK	638.80	642.48	3.68	D/FL FX	MX	G I 1 K	P	<=	MS D. D(	
L								D*	D1	
R	638.80	642.48		SERICITIZED.						