

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

PAN OCEAN OIL LTD.

FORMAT VERSION : 6802

GEOLOGGED BY : HDG +
DATE (YY/MM/DD): 810815
PROJECT NUMBER : J-MAIN

SEQ. NO. OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
1	15.24	182.25	-66.50
2	30.48	181.25	-65.00
3	45.72	179.25	-63.00
4	60.96	179.25	-62.00
5	91.44	177.25	-59.75
6	121.92	174.25	-56.00
7	152.40	172.25	-56.00
8	182.88	171.25	-51.00
9	209.70	171.25	-47.00
10	243.84	171.25	-45.00
11	263.65	171.25	-43.75

R HED

ORIGINALLY LOGGED BY P. WELLS ON OCT. 7, 1977.

F - I N T E R V A L - CORE T- % TYPT- DAL TEX- GRAIN PGI										STRUCTUR-1 ALTERATION MINS ORE-TYPE MINS SUMMARY									
K L (UNITS = DEC.PLACE) RECDV- R R ROCK FLYING 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 W - I 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 D D CHT										T ID STK DIP MG MU CL SD QS HA PR MT SL HA									
E L BRAL AGE EN- J LC- 3 3 4 D /										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									

[illegible]

R	28.25	31.50	SAME REMARK AS IN REPEAT INTERVAL 18.02 TO 22.56 METERS.																	
/	35.30	36.41	1.11	X	ARSI	SN2	BD	SS	0	3	2	3	R	2	BD	50			L+	
L																				
R	35.30	36.41																		
R	35.30	36.41	THIS INTERVAL IS A MILDLY BRECCIATED, QUARTZ-SIDERITE STOCKWORK																	
			VEINED, SILTY ARGILLITE.																	
/	37.49	38.01	0.52	7	BRBN			SS					KN9	R					L+	
L					3A					3										
/	38.05	40.18	2.13	X	ARSI	SN2	BD	SS	0	3	2	3	R	1	BD	59	<+		<(
L																	<*			
/	42.37	50.10	7.73	Y	ARSI	SN2	BD	SS	0	3	2	3	R	2	BD	55			B+	
L																				
R	42.37	50.10	LARGE SUB-EHEDRAL PYRITE CRYSTALS OCCUR WITHIN SANDSTONE																	
R	42.37	50.10	LAMINATIONS.																	
R	SPC	42.37	50.10	SAMPLE D.G. 256 TAKEN AT 47.25 M.																
/	50.10	64.02	13.92		BRBN	*C=	F*			KN1	P								R+	
L					5A		G: B*	3		0	MO2							>+		
R	50.10	64.02	THE PEBBLY MUDSTONE CONTAINS A SANDSTONE MATRIX. NORMAL GRADING																	
R	50.10	64.02	INDICATES THAT STRATIGRAPHIC TOPS ARE DOWNHOLE.																	
/	55.40	56.20	0.80	7	BRBN CR					K05	R								D+	
L					2A				2	JM1								<+	D.	
R	55.40	56.20	THIS PEBBLY MUDSTONE CONTAINS A MUDSTONE MATRIX.																	
/	56.20	57.10	0.90	9	BRBN CR			SS		LP9	R								D=	
L					2A				3									V1		
R	56.20	57.10	THE BOTTOM OF THE REPEAT INTERVAL IS VERY PYRITIC, AND CONTAINS																	
R	56.20	57.10	QUARTZ-SIDERITE STOCKWORK VEINING.																	
/	57.60	58.33	0.73	8	SAND			MX		F	I	7	J	R			V=		R+	
L					8A					R								<+		
/	60.10	61.30	1.20	8	BRBN CR	*C=	F*			J01	R						<+		R+	
L					2A		B*	2		0	JM2									
R	60.10	61.80	THE MATRIX IS A COMBINATION OF SAND AND CARBONACEOUS ARGILLITE.																	
/	64.02	70.41	6.39		SAND			MX		A	I	7	6	P			V=		D+	
L					8A					LC	R								<.	
R	64.02	70.41	THIS MASSIVE SANDSTONE CONTAINS A NUMBER OF THIN, CONVOLUTED																	
R	64.02	70.41	ARGILLIC BEDS. GALENA IS PRESENT IN SMALL QUARTZ-FILLED																	
R	64.02	70.41	FRACTURES AND VEINS.																	
/	70.41	76.20	5.79		CGRR	*C=	F*			L02	P						V=		B+	
L					6A		B*	3		C	K03								B+	
R	70.41	76.20	GALENA OCCURS IN SMALL BLEB AND FRACTURES WITHIN THE																	
R	70.41	76.20	CHERT PEBBLE MATRIX.																	
R	SPC	70.41	76.20	SAMPLE D.G. 257 TAKEN AT 74.98 M.																

[illegible]

/	232.14	232.32	0.18	FGSX	RR	P	V1	V+	M3	B1
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K	F	F	R	D	T	D	T	RECDV	ED	%	ROCK	TM	TM	DM1	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	G	D	AGE	EV	RR	LC	TM	MS2	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	NG	MU	CL	SD	QS	HA	PR	MT	SL	HA		

K UM1 232.32 242.32 0.00

/ 232.32 253.00 20.68
L

ARGL SN+ LM 1 3 + 3 P 0 LM 40 L+
3A LC RP B <+ L+

/ 232.32 232.55 0.23
L

X ARGL SN+ BP 1 3 + 3 R 0 LM 40 <+
3A LC RP B <= L+ <+

/ 253.00 263.65 10.65
L

ARST CR SN1 LM LC 1 3 1 3 P LM 38 L+
3A CC B

R SPC 253.00 263.65 SAMPLE D.G. 268 TAKEN AT 255.13 M.

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 = HONDAR CLEGG, VANCOUVER; H-CORE = HALF CORE.										
R ASY	0.00	0.00	WA = NET ANALYSIS.										
R ASY	0.00	0.00	NO ASSAY INFORMATION ENTERED AS -0.1										
A 001	216.40	218.59	190	6135	0.01	0.05	4.43	-0.1	-0.1	-0.1	-0.1	-0.1	3.99
A 001	218.59	218.69	030	6136	0.03	0.53	8.71	-0.1	-0.1	-0.1	-0.1	-0.1	8.77
A 001	218.69	219.61	092	6137	1.80	10.20	0.42	-0.1	-0.1	-0.1	-0.1	-0.1	11.92
A 001	219.61	220.51	070	6138	0.53	7.15	29.45	-0.1	-0.1	-0.1	-0.1	-0.1	36.93
A 001	220.51	220.98	067	6139	0.59	9.10	8.92	-0.1	-0.1	-0.1	-0.1	-0.1	18.11
A 001	220.98	222.50	106	6140	0.48	7.45	42.43	-0.1	-0.1	-0.1	-0.1	-0.1	49.86
A 001	222.50	223.42	092	6141	0.20	6.65	42.49	-0.1	-0.1	-0.1	-0.1	-0.1	48.84
A 001	223.42	224.70	128	6142	0.41	4.62	46.59	-0.1	-0.1	-0.1	-0.1	-0.1	51.12
A 001	224.70	225.80	106	6143	0.69	4.45	48.33	-0.1	-0.1	-0.1	-0.1	-0.1	52.97
A 001	225.80	226.77	087	6144	0.54	3.65	49.72	-0.1	-0.1	-0.1	-0.1	-0.1	53.41
A 001	226.77	227.50	066	6145	0.51	2.75	40.87	-0.1	-0.1	-0.1	-0.1	-0.1	43.63
A 001	227.50	228.11	056	6146	0.85	3.08	45.43	-0.1	-0.1	-0.1	-0.1	-0.1	48.86
A 001	228.11	229.51	129	6147	0.48	2.85	46.28	-0.1	-0.1	-0.1	-0.1	-0.1	49.11
A 001	229.51	230.12	061	6148	1.00	2.80	43.00	-0.1	-0.1	-0.1	-0.1	-0.1	46.30
A 001	230.12	231.65	153	6149	1.15	6.00	38.90	-0.1	-0.1	-0.1	-0.1	-0.1	45.55
A 001	231.65	232.14	049	6150	4.00	11.10	1.18	1.39	-0.1	-0.1	-0.1	-0.1	17.27
A 001	232.14	232.32	018	6151	3.60	11.50	2.04	1.34	-0.1	-0.1	-0.1	-0.1	18.08
A 001	232.32	232.56	024	6152	0.52	0.15	2.03	-0.1	-0.1	-0.1	-0.1	-0.1	2.20
A 001	232.56	234.07	151	6153	0.03	0.52	4.72	-0.1	-0.1	-0.1	-0.1	-0.1	4.77
A MAX	216.40	234.07			4.00	11.50	49.72	1.39	-0.1	-0.1	-0.1	-0.1	66.21

A	MIB				9.61	0.85	-0.42	1.34	-0.1	-0.1	-0.1	-0.1	1.42
A	CMP	218.69	223.42	471	0.75	8.02	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	8.17
A	CMP	223.42	230.12	637	0.58	3.54	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	3.52
A	CMP	230.12	252.32	220	1.99	7.59	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	8.98