

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

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.PAO OCEAN OIL LTD.
JASOB PR-ZY-AG-BA SIF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE : 81-DH068
TOTAL DEPTH/LENGTH : 971.40
CORE/HOLE DIAMETER : 40MMCOLLAR ELEVATION: 1275.94
NORTHING (- IF S): 7002472.00
EASTING (- IF E): 436496.25AZIMUTH(DEG) : 0.00
VERTICAL ANGLE : -90.00
CO-ORD SYSTEM : UTMGEOLOGGED BY : DWB + RJT
DATE (YY/MM/DD): 810521
PROJECT NUMBER : J-S3

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
1	30.00	146.90	-89.47
2	61.00	169.10	-87.40
3	91.00	151.30	-85.47
4	122.00	131.50	-86.75
5	152.00	124.20	-86.42
6	183.00	121.80	-86.10
7	213.00	117.80	-86.00
8	244.00	117.20	-85.38
9	274.00	120.10	-84.13
10	305.00	132.80	-84.92
11	335.00	151.50	-84.20
12	368.69	143.00	-85.00
13	350.82	139.00	-84.50
14	369.11	157.00	-83.25
15	419.10	166.00	-80.25
16	425.81	166.00	-80.25
17	436.73	173.00	-80.00
18	445.31	173.00	-79.75
19	459.33	181.00	-78.33
20	475.48	179.00	-77.00
21	491.34	176.00	-76.50
22	505.97	177.00	-75.50
23	518.46	175.00	-75.25
24	535.53	172.00	-74.50
25	555.65	170.00	-73.25
26	571.50	170.50	-72.00
27	588.57	168.00	-70.75
28	605.64	168.00	-68.33
29	617.83	167.00	-67.50
30	620.27	168.00	-68.00
31	630.02	166.00	-66.25
32	642.21	167.00	-66.00

33	654.41	167.00	-66.00
34	666.60	165.00	-65.75
35	673.61	162.00	-65.67
36	678.79	165.00	-65.50
37	690.95	165.00	-65.50
38	703.17	166.00	-65.00
39	715.57	165.50	-65.00
40	727.56	166.00	-65.00
41	739.75	166.00	-65.00
42	751.94	166.00	-64.50
43	764.13	166.00	-63.75
44	776.33	166.50	-63.33
45	788.52	166.00	-63.00
46	800.71	167.00	-62.75
47	803.45	165.00	-62.75
48	812.90	166.50	-62.50
49	825.09	168.00	-62.50
50	837.29	168.00	-62.00
51	849.48	168.00	-61.00
52	867.67	169.00	-60.50
53	875.56	168.50	-59.75
54	886.95	168.00	-59.00
55	898.25	168.00	-58.25
56	910.44	167.00	-57.50
57	922.63	166.00	-56.33
58	933.91	164.00	-56.00
59	944.82	164.00	-54.67
60	947.01	162.50	-52.33
61	962.25	163.00	-52.33
62	968.35	163.00	-52.00

F - INTERVAL - CORE				T- %		TYPE- HAL		TEX- GRAIN		PGI		STRUCTUR-1		ALTERATION		MINS		ORE-TYPE		MINS		SUMMARY	
K L (UNITS = . DEC. PLACE) RECOV-				H M ROCK		FYING MIN		TUPES CHARACS		/RI T		ID STK		DIP		A A A A		A A A A		A A A A		A A A A	
E A (METRIC FEET) ERY				D T		TX TX		TX TX		C % M		AZM		RT		QZ FL		CY CA		BA XX		PY CP	
Y G F R D N - I D - I N T (.)				D X TYPE		1 2		1 2		F F C A		1		AZM		RT		QZ		FL		CY	
K F				ROCK		FR		RT		TX TX		S C		O O		CHT		T ID		STK		DIP	
E L				QUAL		AGE		FR- D		LC- 3		3 4		D /		2		AZM		RT		H H	
Y G				DESIG		VTR		COL		R		C		STRUCTUR-2		A A		A A		A A		A A	

R SVY	0.00	348.69	DATA FOR UPPER PART OF HOLE OBTAINED FROM GYROCOMPASS SURVEY																			
R SVY	0.00	348.69	OF DDH 81-68A. REMAINDER FROM SPERRY SUN MULTI-SHOT.																			
R SVY	0.00	348.69	GYROCOMPASS DATA IS CONSIDERED MORE ACCURATE, AND SHOULD BE																			
R SVY	0.00	348.69	USED FOR PLOTS.																			
R SVY	0.00	348.69	A LISTING OF THE REPLACED SPERRY SUN DATA CAN BE FOUND																			
R SVY	0.00	348.69	WITHIN THE "RSUM".																			
R SVY	348.69	971.40	SURVEY DATA FROM SPERRY SUN MULTI-SHOT.																			
R SVY	99.97	99.97	HALL AND ROSE STEEL WEDGE. DIP IS 1.5 TO STEEPEN																			
R SVY	298.09	298.09	CLAP RETREIVABLE WEDGE. DIP.75 TO STEEPEN. HALF AZIMUTH TO																			
R SVY	298.09	298.09	RIGHT.																			
R SVY	325.22	325.22	CLAP RETREIVABLE WEDGE-FULL AZIMUTH TO THE RIGHT																			
R SVY	359.05	359.05	CLAP RETREIVABLE WEDGE-FULL AZIMUTH TO THE RIGHT																			
R SVY	412.70	412.70	CLAP RETREIVABLE WEDGE-FULL AZIMUTH TO THE RIGHT																			
R SVY	432.21	432.21	CLAP RETREIVABLE WEDGE-FULL AZIMUTH TO THE RIGHT																			
R SVY	447.45	447.45	CLAP RETREIVABLE WEDGE-FULL AZIMUTH TO THE RIGHT																			

/ 0.00 6.10 6.10

TRIC

P

/ OFT 6.10 35.97 29.87

BRAB

PR9 P

LI B.

L 5A *S- 2 - MO+

C. B.

R 6.10 35.97 MINOR PYRITE NODULES WITH HT CORES IN SOME CASES. SIZE FROM

[illegible][illegible]

K	F	F	R	D	-	T	D	-	I	R	T	RECHV	MD	%	ROCK	IN	IN	QMI	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	D	D	AGE	EV	RN	LC	IN	QMI	TX	TX	S	C	O	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA						

/		154.10	155.85	1.75								X FAUL														R																							
/		169.58	185.42	14.00								ARS1 CP														P	1	BD		43																			
L												4A																																					
/		179.00	180.14	1.14								X FAUL														R																							
L																																																	
/		183.42	196.29	12.87								BRHT														P																							
L												4A																																					
R		183.42	196.29																																														
R		183.42	196.29																																														
/		190.16	196.29	2.13								X FAUL														R																							
L												3A																																					
/		196.29	206.17	9.88								BRHT CP														P																							
L												5A																																					
/		196.29	197.30	1.01								1 BRHT SP CZ PY)														R																							
L												7A																																					
R		196.29	197.30																																														
R		196.29	197.30																																														
/		206.17	221.40	15.23								ARS1														P	2	BD		35																			
L												4A																																					
/		221.40	238.98	17.58								BRHT														P																							
L												5A																																					
/		238.98	250.66	11.68								BRHT														P																							
L												4A																																					
R		238.98	250.66																																														
R		238.98	250.66																																														
R		238.98	250.66																																														
/		250.66	255.26	4.60								BRHT														P																							
L												5A																																					
/		255.26	269.80	14.50								BRHT														P																							
L												4A																																					
R		255.26	269.80																																														
R		255.26	269.80																																														
/	FRG	266.10	269.80	3.70								X ARSI														R	2	BD		65																			
L												3A																																					
/		269.80	273.72	3.92								BRHT														P																							
L												5A																																					
R		269.80	273.72																																														

INTERVAL IS CHARACTERIZED BY THE PRESENCE OF LARGE CLASTS OF

K F F R D B - T O - I N T R E C O V		M D % R O C K I N T H D 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	
E - L -		R D D A G E F V G G L C I N D M 2 T X T X S C D 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	
Y G					

R 269.89 273.72 PEBBLY CHERT SANDSTONE (GRADING INTO CGCP). THE LARGEST OF THESE
R 269.89 273.72 IS 1.5 CMS.

/ 273.72 281.28 7.56 BRPM LS4 P D-
L 5A *S* 2 + JN+

/ 281.28 297.30 16.02 BRPM ST9 P D.
L 4A *S) 2) LL(

R 281.28 297.30 INTERVAL COMPRISES PREDOMINANTLY LARGE ARSI CLASTS-PROBABLY
R 281.28 297.30 A SLIGHTLY SLOPED ARSI UNIT.

/ 297.30 307.65 10.35 BRPM SL S* MQ8 P D.
L 5A *S* 2 * KQ* < D.

/ 298.09 299.62 1.53 X LOST R

/ SHR 303.69 307.65 3.96 X BRPM SL S* MQ8 P D.
L 5A *S* 2 * KQ* < D.

R 303.69 307.65 ROCK BETWEEN 303.69 AND 307.65 RUBBLY-PROBABLE SHEAR.
R 307.30 307.65 SL ASSOCIATED WITH SHALE CLAST AT 307.55M. SL OCCURS ALONG
R 307.30 307.65 UPPER AND LOWER MARGINS OF CLAST, PARALLEL TO BEDDING-SUGGESTS
R 307.30 307.65 EITHER PAERENTIAL REPLACEMENT OR ORIGINAL BEDDED SULFIDE
R 307.30 307.65 -PROBABLY A SULFIDE CLAST.

R 307.30 307.65 TRACE SD VEINING DISPLACED BY MINOR FAULTS.

/ 307.65 311.19 3.54 CGXX SF HS I N 3 O LP1 P D*
L 6A 5 C LN8

/ 307.65 311.19 3.54 3 ARGL GR SII HS 1 1 1 R
L 2A LM

R 307.65 311.19 BOURA SEQ: A-E, A-E; EXCELLENT EXAMPLE! SEVERAL CYCLES
R SIG 307.65 311.19 RANGING FROM CONGLOM TO SANDSTONE. POSSIBLE MARKER BED.

/ 311.19 322.68 11.49 BRPM MT9 P #. #. #.
L 4A *S* 2 * LO+ #.

R 311.19 322.68 PY, PP AND GL OCCUR TOGETHER WITH CALCITE IN A VUG AT 321.92M
R 311.19 322.68 (VUG APPROX 4 CMS DIAMETER).

/ 322.68 353.40 30.72 BRPM MT6 P D.
L 4A *S(2 * (LP+

K UDF 353.40 353.40 0.00
R 353.40 353.40 TOP OF THICK SEQUENCE OF DEBRIS FLOWS CHARACTERIZED BY
R 353.40 353.40 CGCP CLASTS.

/ 353.40 366.67 13.27 BRPM MT6 P D.
L 6A 2 LP3

/ 353.40 354.59 1.19 X BRPM / J B R KR4 R D-
L 6A 4 JL4

/ 366.67 380.62 13.95 BRPM MT5 P D.
L 5A 2 3 + MO1

[illegible]

	Top	Base	Thick	Interval	Remarks	Notes	Other	Depth
R	364.67	380.62		INTERVAL CONTAINS SEVERAL LARGE CBGP CLASTS(?), ONE OF WHICH				
R	366.67	380.62		IS 1M IN LENGTH.				
/	371.43	372.58	1.15	X CBGP SF SD	J M 6 0 LM=	R		D.
L				8A *S=	5 - 0 MD9		D)	
/	380.62	387.77	7.15	BRHT	NS9	P		D-
L				4A *S*	2) *	KN1		
/	380.62	383.97	2.45	X FAUL GR		P		
/	384.00	385.30	1.30	X FAUL GR		R		
/	386.80	387.77	0.97	X ARGL SF		R		D-
L				6A			<+	
R	386.80	387.77		POSSIBLE FRAGMENT OF RR CHERT-CUT BY NS VNS-FOOTWALL FRAG?				
/	387.77	393.90	6.13	BRHT	MS9	P		D.
L				4A *S)	2 =)	LN+		
/	393.90	409.50	15.60	BRPM CR	RT7	P		D.
L				4A *S+	2 +	ID=		
/	405.00	407.52	2.52	X FAUL GR	GG2	R		D.
/	409.50	412.70	3.20	BRHT CR	QR7	P		D-
L				4A *S*	2 *	LN2		
R	409.50	412.70		GENERALLY CLOSED; OCCAS OPEN, WITH MUD MTX.				
/	409.50	410.16	0.66	X FAUL GR		R		D-
R	409.50	410.16		RUBBLY CORE				
/	412.70	418.60	5.90	BRHT CR	QR7	P		D*
L				4A *S=	2 =	MD2		
R	412.70	418.60		INTERVAL OCCASIONALLY "OPEN" WITH SANDY MTX (1).				
/	418.60	439.17	20.57	BRPM CR	RSS	P		D.
L				6A *S)	2 4)	MP=		
R	418.60	439.17		INTERVAL CHARACTERIZED BY NUMEROUS LARGE CONG FRAGS RANGING FROM				
R	418.60	439.17		20 CMS TO 1 METER. GENERALLY CLOSED; OCCASIONALLY OPEN WITH				
R	418.60	439.17		BRPM MTX.				
/	421.80	422.15	0.35	X FAUL GR		R		
R	421.80	422.15		RUBBLY CORE				
/	432.21	433.73	1.52	X LOST		R		
/	437.00	438.42	1.42	X CBGP SF SD	0 L 4 0 KO1	R		
L				5A *S)	5) 0 KN6		D1	
R	437.00	438.42		INTERVAL SINTERIALIZED+SILICIFIED, PARTIC. ARGL FRAGS-ALSO MTX.				
R	437.00	438.42		ORR SL ASSOCIATED LOCALLY. DERIVED FROM FOOTWALL(?)				

[illegible][illegible]

Z	571.65	600.15	28.50	ARSI	S13 BD SS 0 2 3 3	P 2 BD	U30 V.	L-	
L				5A	(L LR		850		
Z	576.80	577.70	0.90	X FAUL GR		R			
R	571.65	600.15		UPPER 1m HIGHLY SLUMPED TO SPECCIATED					
Z	600.15	607.32	7.17	BRHM	*S)	OS9	P	L)	
L				4A	2)	KL)			
R	600.15	607.32		PYRITE FORMS PREFERENTIALLY IN SAND LAMINAE IN BRHM FRAGS, AND					
R	600.15	607.32		OCCURS AS LARGE XLS AS MUCH AS 5mm DIA.					
Z	607.32	613.46	6.14	ARSI	S12 LM LR 0 2 2 3	P 1 BD	T35	L)	
L				4A			842		
Z	609.75	610.60	0.85	X FAUL GR		R			
Z	613.46	614.50	1.04	BRHM		LOS	P	D+	
L				5A	2	MM1			
Z	613.70	614.50	0.80	X FAUL GR		R			
Z	614.50	626.40	11.90	ARSI	SW6 BD LR 0 2 6 3	P 3 BD	U58	D+	
L				4A	SS (L R		864		
R	614.50	626.40		SEVERAL SMALL PYRITE CONCRETIONS (APPROX. 3CMS).					
R	614.50	626.40		LOCAL SHEARING (GRAPHITIC) THROUGHOUT INTV.					
Z	626.40	631.85	5.45	BRHM SF		SS6	P	D+	
L				5A	2	LP2			
R	626.40	631.85		"MATRIX" BETWEEN LARGE SHALE CLASTS CONSISTS MAINLY OF CHERT					
R	626.40	631.85		CLASTS FLOATING IN MUD/GRIT MTX. LOCALLY MTX MAY BE QUITE					
R	626.40	631.85		SILICEOUS.					
R	626.40	631.85		ARGILLITE CLASTS LOCALLY EXHIBIT PRONOUNCED SOFT SEDIMENT					
R	626.40	631.85		DEFORMATION TEXTURES.					
R	626.40	631.85		PYRITE IS PARTICULARLY ABUNDANT TOWARDS BASE OF INTV WHERE IT					
R	626.40	631.85		OCCURS AS DISSEMINATED GRAINS ALONG SAND BEDS. GRAINS UP TO 4MM					
R	626.40	631.85		DIAMETER. MAY COMPRISE UP TO 7 % OF CERTAIN FRAGMENTS.					
R	626.40	631.85		PYROBITUMEN(?) OCCURS AT 630m. -OCCURS AS DISCRETE RHOMBIC TO					
R	626.40	631.85		RECTANGULAR GRAINS IN A CARBONATE MTX. THIS MATERIAL OCCURS					
R	626.40	631.85		IN NARROW ELONGATE WHISPY ZONES PARALLEL TO LAMINAE IN HOST					
R	626.40	631.85		SEDIMENT- CARBON/BITUMEN(?) WAS PROBABLY SYN-SEDIMENTARY.					
R	626.40	631.85		-PRESENT TEXTURE IS PROBABLY PULL APART STRUCTURE RELATED TO					
R	626.40	631.85		SOFT SEDIMENT OR LATER TECTONIC DEFORMATION (SEE SKETCH BELOW)					
Z	631.85	644.55	12.70	BRHM		SW9	P		
L				4A	*S)	5)			
R	631.85	644.55		INTERVAL IS DOMINATED BY VERY LARGE CLASTS OF ARSI WITH ONLY					
R	631.85	644.55		FINGER MOD "MTX" -REPRESENTS SLIGHTLY DISRUPTED ARSI-CORE TO BDG					
R	631.85	644.55		ANGLES VARY MARKEDLY.					
Z FRG	631.85	652.15	0.30	X SAND	MX	3 5 + 3	R		
L				7A		3			

R	655.50	657.93	RECOVERY.
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/	669.34	671.17	1.83	X BNSX BA SL	LM 60	R 2	X9	L=
L				7A GL				L=
R	669.34	671.17		ONE 3 CM PIECE OF BANNED BA, GL, RECOVERED ONLY.				

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Z	671.17	671.55	0.38	X ARGX BA PY CH2 LG RD	R	2	X4	L2	L=
L				SA SL					L1
R	671.17	671.55		ARGILLITE ALTERNATING WITH LAMINATED SP, QZ, PY BEDS.					
K	LS1	671.55	671.55	0.00					
Z	671.55	674.83	3.28	ARGL SF BA	EX	0 0 0 0	P	4	
L				SA		1 4			
R	671.55	674.83		ARGILLITE INTERBEDDED WITH ZONES OF LAMINATED BA.					
R	671.55	674.83		20% WHITE, SOFT PRISMATIC PY LONG XLS (TERMED X)					
R	671.55	674.83		CROSSCUTTING VEINS OF QTZ, X, HONEY COLOURED TRANSLUCENT BLEBS					
R	671.55	674.83		(SL?)					
Z	673.08	673.95	0.87	X ARGL PY SL CH1 RD LM	R	1		LC	LC
L				7A SF					LC
R	673.08	673.95		ESSENTIALLY SILICIFIED ARGL WITH OCCASIONAL LAM & IREG PTCHS OF					
R	673.08	673.95		CHT. CHT LAM CONTAINING GR GL, SL AND PYR.					
Z	674.22	674.83	0.61	X ARGL PY SL CH1 BD LM	R	1		L*	L+
L				7A SF					L+
R	674.22	674.83		SILICIFIED ARGL WITH OCCASIONAL LAM OF CHT CONTAINING SL, GL					
R	674.22	674.83		AND PYR.					
Z	674.83	693.12	18.29	ARGL SF		0 0 0	P	1	
L				4A					
R	674.83	693.12		BLACK SILICIFIED ARGILLITE INTERBEDDED WITH PYRITIZED BRHM 0.2					
R	674.83	693.12		TO 2 M THICK. SPOTTED ALTERATION (CIRCULAR AGGREGATES OF SOFT,					
R	674.83	693.12		WHITE PRISMATIC XLS) OCCURS CONSISTENTLY BELOW BRHM BEDS.					
Z	674.83	680.76	5.93	X ARGL SF		0 0 0	R		
L				4A					
R	674.83	680.76		BLACK MASSIVE SILICIFIED ARGILLITE.					
Z	680.76	683.06	2.30	X BRHM SF			MQ7	R	
L				6A	*S+	2	+	LM+	D)
Z	683.06	693.12	10.06	X ARGL		0 0 0	R		V)
L				3A					V*
R	683.06	693.12		BLACK ARGL WITH THIN FLOWS (TO 8 CM) OF SILICEOUS ARGILLITE					
R	683.06	693.12		FRAGMENTS. SPOTTED ALTERATION IN FOOTWALL OF EACH FLOW. ABUNDANT					
R	683.06	693.12		QTZ-CARB. VEINING.					
Z	693.12	703.91	10.79	ARSI PY	LM	0 2 1 2	P	1 80	60 V*
L				SA					L=
R	693.12	703.91		DISCONTINUOUS AND CONTINUOUS LAMINATIONS OF VFG PY INCREASING					
R	693.12	703.91		TOWARDS ORE ZONE. CONSTANT DIP, NO SLUMP FOLDING AS SEEN IN ORE					
R	693.12	703.91		ZONE BELOW. SILICEOUS.					
Z	703.91	704.65	0.74	LMSX PY QC	LM SS		P	1	L3
L				7A SL					L)

K	F	F	R	O	I	-	T	O	-	I	N	T	RECDV	MD	%	ROCK	TM	TM	Q01	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	D	AGE	EV	RL	LC	TM	Q02	TX	TX	S	C	D	O	CHT	2	ID	AZM	DIP	MG	MU	CL	SD	QS	HA	PR	MT	SL	HA								

R 703.91 704.65 CR BEDS OF SILICEOUS ARGILLITE WITH BEDS OF LAMINATED QC,PY,SL.
 R 703.91 704.65 SILICEOUS; IN DETAIL SULPHIDE LAMINATIONS SHOW PY, SL,
 R 703.91 704.65 INTERSTITIAL TO AUTOGENIC (?) FUEHRAL QZ GRAINS.

/ 704.65 706.65 2.00 ARSI PY LM PY P L=

L 704.65 706.65 5A
 R 704.65 706.65 WIDESPREAD ALTERATION OF SILICEOUS ARGILLITE BY BANDS OF
 R 704.65 706.65 VEG FUEHRAL TO ANHERAL CARBONATES ?

K US2 706.65 706.65 0.00

/ 706.65 707.35 0.70 MSSX PY CR CH1 MX P X5 X=

L 706.65 707.35 5L
 R 706.65 707.35 CRUDELY BEDDED-MOTTLED TEXTURE DEFINED BY ARGIL & SULFIDE- RICH
 R 706.65 707.35 ZONES.MOD-STRONG SILICIFICATION OF ARGIL.

/ 707.35 708.35 1.01 BMSX SF SL CH7 RN P 2 BD T42 <) <) L= L+

L 707.35 708.35 5A GL L1
 R 707.35 708.35 INTD CHT,MSSX & POSSIBLY SILICIFIED ARGIL. SULFIDE LAYER
 R 707.35 708.35 BUFF-COLOURED-COMPRSED SL,GL,PY & RTZ/MNR CALC.

/ 708.35 707.85 59.49 BMSX RA SL CH5 SS ST P 2 BD T42 <) L4 L+ L+
 L 708.35 707.85 6A GL BN L=

R 708.35 707.85 ALTERATING BANDS & LAP OF CHT, BARITE & SULFIDES
 R 708.35 707.85 CH1-BUFF,CHPXL, CONTAINS SCATTERED CALC PODS.
 R 708.35 707.85 BARITE-VFXL,PGY,SUCROSTIC TEX
 R 708.35 707.85 SULFIDES-GL, SL, PY.
 R 708.35 707.85 -PYR-TENDS TO BE DISSEM THROUGHOUT ROCK IN BOTH CHT & BA
 R 708.35 707.85 BANDS.

R 708.35 707.85 -SL & GL TEND TO OCCUR AS THIN LAM(1-2MM),GENERALLY WITHIN
 R 708.35 707.85 BARITIC BANDS BUT LOCALLY IN CHERTY BANDS. SL & GL ARE
 R 708.35 707.85 INTERGROWN WITH CHT, BARITE & CALCITE.
 R 708.35 707.85 LATE BARREN NTZ VNS TEND TO BE PERPENDICULAR TO BEDDING.

/ 712.80 718.00 5.20 X BMSX BA SL CH5 SS ST R 2 BD T75 <) L4 L+ L+

L 712.80 718.00

/ 718.00 718.85 0.85 X BMSX BA SL CH5 SS ST R 2 BD T60 <) L4 L+ L+

L 718.00 718.85

/ 718.85 723.20 4.35 X BMSX BA SL CH5 SS ST R 2 BD T82 <) L4 L+ L+

L 718.85 723.20

/ 723.20 724.90 1.70 X BMSX BA SL CH5 SS ST R 2 BD T60 <) L4 L+ L+

L 723.20 724.90

/ 724.90 728.90 4.00 X BMSX BA SL CH5 SS ST R 2 BD T52 <) L4 L+ L+

L 724.90 728.90

/ 728.90 730.50 1.60 X BMSX BA SL CH5 SS ST R 2 BD T75 <) L4 L+ L+

L 728.90 730.50

[illegible]

[illegible]

[illegible]

A MIN	0.03	0.40	2.61	0.02	-0.01	0.50	-0.10	2.90	25.32
A MAX	0.42	3.85	41.95	0.66	-0.01	18.47	-0.10	3.90	73.14

G E O L O G

A MIN					0.02	0.20	1.20	0.02	-0.01	1.46	-0.10	-0.10	2.69
A MAX	776.00	797.66			1.70	4.60	13.75	0.10	0.01	6.93	-0.10	2.80	29.79
A 001	652.88	653.88	100	DB9873	0.02	0.07	9.45	0.04	-0.01	2.41	-0.10	-0.10	11.78
R ASY	652.88	676.74		SOUTH ZONE #1: INTERVAL 653.88-671.55M.									
A 001	653.88	654.10	22	DB9874	6.00	18.44	13.77	0.41	0.01	7.73	-0.10	-0.10	46.16
A 001	654.10	655.50	140	DB9875	1.05	2.56	42.09	0.02	-0.01	0.43	-0.10	-0.10	45.94
A 001	655.50	655.93	32	DB9876	1.11	2.18	48.50	0.02	-0.01	1.18	-0.10	-0.10	52.78
A 001	655.93	656.93	100	DB9877	0.88	3.80	51.06	0.02	-0.01	0.57	-0.10	-0.10	56.12
A 001	656.93	657.93	100	DB9878	0.77	3.45	42.77	0.04	-0.01	0.40	-0.10	-0.10	47.22
A 001	657.93	658.98	41	DB9879	1.60	4.60	41.69	-0.02	-0.01	3.64	-0.10	-0.10	51.30
A 001	658.98	660.26	128	DB9880	1.03	3.10	44.16	0.02	-0.01	1.18	-0.10	-0.10	49.28
A 001	660.26	660.81	29	DB9881	2.21	1.98	7.97	0.03	-0.01	2.89	-0.10	-0.10	14.87
A 001	660.81	661.11	30	DB9882	0.48	4.20	8.65	0.04	-0.01	2.51	-0.10	-0.10	15.67
A 001	661.11	662.21	110	DB9883	0.12	0.44	8.06	-0.02	-0.01	2.66	-0.10	-0.10	11.05
A 001	662.21	662.64	12	DB9884	2.08	4.70	28.60	0.04	-0.01	3.77	-0.10	-0.10	38.98
A 001	662.64	663.24	57	DB9885	1.17	3.65	48.40	0.02	-0.01	0.48	-0.10	-0.10	53.51
A 001	663.24	664.16	80	DB9886	1.55	4.05	41.63	-0.02	-0.01	0.70	-0.10	-0.10	47.70
A 001	664.16	664.77	34	DB9887	2.26	4.40	40.89	-0.02	-0.01	0.58	-0.10	-0.10	47.90
A 001	664.77	665.27	31	DB9888	0.78	1.60	16.24	0.02	-0.01	2.28	-0.10	-0.10	20.71
A 001	665.27	666.50	16	DB9889	0.58	3.85	26.69	-0.02	-0.01	2.56	-0.10	-0.10	33.45
A 001	666.50	667.82	63	DB9890	1.78	3.08	39.50	0.02	-0.01	0.98	-0.10	-0.10	45.15
A 001	667.82	669.34	58	DB9891	1.70	4.80	42.75	0.03	-0.01	1.26	-0.10	-0.10	50.33
A 001	669.34	671.17	9	DB9892	1.54	5.05	46.10	0.02	-0.01	0.39	-0.10	-0.10	52.89
A 001	671.17	671.55	11	DB9893	0.14	7.15	24.83	0.02	-0.01	4.42	-0.10	-0.10	36.35
A 001	671.55	672.08	41	DB9894	0.12	1.27	7.10	0.02	-0.01	2.16	-0.10	-0.10	10.46
A 001	672.08	673.08	100	DB9895	0.04	0.26	9.83	0.02	-0.01	7.86	-0.10	-0.10	17.80
A 001	673.08	673.95	87	DB9896	1.88	2.39	9.56	0.10	-0.01	1.86	-0.10	-0.10	15.58
A 001	673.95	674.22	27	DB9897	0.18	0.30	10.15	0.02	-0.01	1.91	-0.10	-0.10	12.35
A 001	674.22	674.83	26	DB9898	1.89	1.26	9.85	0.13	-0.01	2.21	-0.10	-0.10	15.13
A 001	674.83	675.74	42	DB9899	0.07	0.59	6.77	0.02	-0.01	2.46	-0.10	-0.10	9.70
A 001	675.74	676.74	100	DB9900	0.06	0.21	6.24	0.03	-0.01	2.96	-0.10	-0.10	9.29
A 001	703.17	703.91	74	DB9826	0.03	0.40	8.80	0.06	-0.01	6.28	-0.10	3.00	18.46
R ASY	703.17	750.29		SOUTH ZONE #2: INTERVAL 706.65-749.29M.									
A 001	703.91	704.65	74	DB9827	1.24	2.83	9.83	0.31	-0.01	4.52	-0.10	2.90	21.52
A 001	704.65	705.65	100	DB9827	0.43	1.63	11.90	0.13	-0.01	4.32	-0.10	3.00	21.30
A 001	705.65	706.65	100	DB9828	0.48	2.50	11.00	0.16	-0.01	4.32	-0.10	3.00	21.35
A 001	706.65	707.36	71	DB9830	4.42	2.97	2.61	0.66	-0.01	18.47	-0.10	3.40	32.42
A 001	707.36	708.36	100	DB9831	2.65	3.85	9.09	0.43	-0.01	2.26	-0.10	2.90	21.07
A 001	708.36	709.36	100	DB9832	3.32	3.80	22.20	0.53	-0.01	1.26	-0.10	3.20	34.20
A 001	709.36	710.36	100	DB9833	1.92	2.95	39.58	0.24	-0.01	0.60	-0.10	3.60	48.78
A 001	710.36	711.36	100	DB9834	1.22	2.75	33.65	0.19	-0.01	1.00	-0.10	3.40	42.10
A 001	711.36	712.36	100	DB9835	0.93	3.12	34.50	0.14	-0.01	1.41	-0.10	3.50	43.49
A 001	712.36	713.36	100	DB9836	1.18	2.67	36.75	0.29	-0.01	1.20	-0.10	3.60	45.58
A 001	713.36	714.36	100	DB9837	1.18	3.10	32.40	0.25	-0.01	1.33	-0.10	3.40	41.55
A 001	714.36	715.36	100	DB9838	0.84	2.18	39.60	0.18	-0.01	1.76	-0.10	3.60	48.05
A 001	715.36	716.36	100	DB9839	0.52	2.95	36.90	0.18	-0.01	1.76	-0.10	3.50	45.70
A 001	716.36	717.25	89	DB9840	0.60	2.95	34.20	0.18	-0.01	2.79	-0.10	3.50	44.11
A 001	717.25	718.25	100	DB9841	1.25	2.76	26.95	0.19	-0.01	1.66	-0.10	3.30	36.00
A 001	718.25	719.33	108	DB9842	1.16	2.28	29.00	0.15	-0.01	6.33	-0.10	3.60	42.41
A 001	719.33	720.33	100	DB9843	1.90	2.00	32.90	0.30	-0.01	2.54	-0.10	3.50	43.03
A 001	720.33	721.33	100	DB9844	0.98	2.05	22.96	0.23	-0.01	4.94	-0.10	3.20	34.25
A 001	721.33	722.33	100	DB9845	1.45	2.78	37.25	0.20	-0.01	0.83	-0.10	3.60	46.00

G F D L O G													
A MIN	A LAB	A TYP			0.02	0.20	1.20	0.02	-0.01	1.46	-0.10	-0.10	2.69
					B.CLG	H-CORE	H-CORE	B.CLG	H-CORE	B.CLG	H-CORE	H-CORE	TOTAL
A MIN					WA	WA	WA	WA	WA	WA	WA	WA	
A MIN					0.02	0.07	0.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 001	722.33	723.33	100	089846	1.96	2.80	41.55	0.34	-0.01	1.13	-0.10	3.70	51.37
A 001	723.33	724.33	100	089847	0.55	2.05	36.35	0.17	-0.01	1.31	-0.10	3.50	43.82
A 001	724.33	725.33	100	089848	1.82	1.75	36.30	0.19	-0.01	0.88	-0.10	3.40	44.23
A 001	725.33	726.42	109	089849	1.78	2.36	36.29	0.17	-0.01	1.08	-0.10	3.50	45.07
A 001	726.42	727.42	100	089850	1.56	2.52	39.70	0.13	-0.01	1.69	-0.10	3.60	49.09
A 001	727.42	728.42	100	089851	1.98	1.44	34.35	0.13	-0.01	1.71	-0.10	3.40	42.00
A 001	728.42	729.52	110	089852	0.82	1.40	32.13	0.08	-0.01	3.09	-0.10	3.50	40.91
A 001	729.52	730.52	100	089853	0.76	1.21	24.60	0.05	-0.01	2.31	-0.10	3.20	32.02
A 001	730.52	731.52	100	089854	0.86	1.77	39.50	0.05	-0.01	1.56	-0.10	3.50	47.13
A 001	731.52	732.52	100	089855	0.39	0.73	20.05	0.04	-0.01	2.08	-0.10	3.10	26.28
A 001	732.52	733.35	83	089856	0.60	1.45	28.53	0.04	-0.01	2.16	-0.10	3.30	35.97
A 001	733.35	734.97	152	089857	1.22	1.26	33.60	0.02	-0.01	3.06	-0.10	3.40	42.45
A 001	734.97	735.87	100	089858	1.86	1.19	40.30	0.03	-0.01	1.36	-0.10	3.50	48.13
A 001	735.87	736.37	100	089859	0.96	1.01	34.90	0.02	-0.01	2.16	-0.10	3.40	42.34
A 001	736.37	737.87	100	089860	0.43	1.15	35.15	0.03	-0.01	2.78	-0.10	3.50	42.98
A 001	737.87	738.37	100	089861	0.70	1.63	32.60	0.04	-0.01	2.18	-0.10	3.30	40.34
A 001	738.37	739.87	100	089862	0.32	1.16	16.75	0.03	-0.01	4.97	-0.10	3.10	26.22
A 001	739.87	740.87	100	089863	0.36	2.50	19.00	0.04	-0.01	3.44	-0.10	3.10	28.35
A 001	740.87	741.87	100	089864	0.54	2.28	28.20	0.03	-0.01	2.03	-0.10	3.30	36.27
A 001	741.87	742.37	100	089865	1.48	2.12	34.25	0.02	-0.01	1.96	-0.10	3.50	43.22
A 001	742.37	743.87	100	089866	2.24	2.20	41.60	0.02	-0.01	1.05	-0.10	3.90	50.90
A 001	743.87	744.87	100	089867	1.04	2.74	37.50	0.02	-0.01	1.03	-0.10	3.50	45.72
A 001	744.87	745.85	98	089868	0.83	2.98	39.50	0.02	-0.01	2.16	-0.10	3.60	49.03
A 001	745.85	746.35	100	089869	0.79	2.83	41.95	0.02	-0.01	0.50	-0.10	3.60	49.58
A 001	746.35	747.85	100	089870	1.14	3.25	32.25	0.03	-0.01	3.36	-0.10	3.50	43.42
A 001	747.85	749.29	120	089871	1.06	3.85	12.33	0.04	-0.01	2.46	-0.10	3.00	22.63
A 001	749.29	750.29	100	089872	0.06	0.44	11.91	0.04	-0.01	4.39	-0.10	2.90	19.63
A 001	750.29	751.07	91	66536	0.02	0.24	4.93	0.07	-0.01	4.00	-0.10	2.80	11.95
SOUTH ZONE #3; INTERVAL 778.07-796.66M.													
A 001	778.07	778.07	95	66537	0.02	0.20	8.38	0.04	-0.01	2.35	-0.10	2.80	13.68
A 001	778.07	779.07	100	089901	0.03	0.99	7.91	0.02	-0.01	2.85	-0.10	-0.1	11.59
A 001	779.07	780.07	100	089902	0.10	3.15	8.52	0.06	-0.01	3.61	-0.10	-0.1	15.23
A 001	780.07	780.92	85	089903	0.44	3.44	9.63	0.03	-0.01	2.81	-0.10	-0.1	16.14
A 001	780.92	781.92	100	089904	0.62	3.25	10.58	0.02	-0.01	2.11	-0.10	-0.1	16.37
A 001	781.92	782.48	56	089905	0.34	1.78	10.26	0.05	-0.01	4.40	-0.10	-0.1	16.62
A 001	782.48	783.48	100	089906	0.25	1.70	12.06	0.07	-0.01	3.21	-0.10	-0.1	17.08
A 001	783.48	784.48	100	089907	0.23	1.90	13.75	0.03	-0.01	2.96	-0.10	-0.1	18.66
A 001	784.48	785.48	100	089908	1.43	4.30	9.63	0.04	-0.01	1.71	-0.10	-0.1	16.90
A 001	785.48	786.48	100	089909	1.70	4.00	10.30	0.03	-0.01	1.46	-0.10	-0.1	17.28
A 001	786.48	787.48	100	089910	1.32	3.30	11.43	0.06	-0.01	1.81	-0.10	-0.1	17.73
A 001	787.48	788.28	80	089911	1.42	2.50	8.27	0.06	-0.01	2.16	-0.10	-0.1	14.20
A 001	788.28	789.28	100	089912	0.24	1.05	10.89	0.02	-0.01	3.16	-0.10	-0.1	15.15
A 001	789.28	790.28	100	089913	0.62	1.34	8.48	0.05	-0.01	2.26	-0.10	-0.1	12.54
A 001	790.28	791.28	100	089914	0.28	1.34	8.50	0.04	-0.01	2.71	-0.10	-0.1	12.66
A 001	791.28	792.28	100	089915	0.27	1.80	7.49	0.04	-0.01	2.39	-0.10	-0.1	11.78
A 001	792.28	793.41	113	089916	0.24	1.39	8.09	0.04	-0.01	3.82	-0.10	-0.1	13.37
A 001	793.41	794.20	79	089917	1.44	4.60	7.26	0.06	-0.01	2.26	-0.10	-0.1	15.43
A 001	794.20	795.20	100	089918	1.01	3.75	6.72	0.10	-0.01	2.56	-0.10	-0.1	13.93
A 001	795.20	796.20	100	089919	0.26	3.20	2.75	0.02	-0.01	2.56	-0.10	-0.1	8.58
A 001	796.20	796.66	46	089920	0.13	3.10	1.20	0.05	-0.01	6.93	-0.10	-0.1	11.27
A 001	796.66	797.66	100	089921	0.04	0.33	1.55	0.02	-0.01	3.41	-0.10	-0.1	5.14

G E O L O G

 A UMM
 A TYP
 A MTH

 RND
 CM
 B-B

 SP. GR.
 SG
 WEIGH

A LAB

FLD

FLD

R ASY

0.00

0.00

RCDV=RECOVERY(C17-20) IS MEASURED IN CM BLOCK TO BLOCK(B-B)
 RND=ROCK QUALITY DESIGNATOR(C27-32) MEASURED IN CM BLOCK TO BLOCK
 RND IS THE TOTAL LENGTH (BETWEEN BLOCKS) OF PIECES OF CORE
 AT LEAST 2-1/2 TIMES DIAMETER OF CORE TO NEAREST CM, DIVIDED
 BY LENGTH OF INTERVAL = BLOCK(TO) MINUS BLOCK(FROM) TIMES 100

R ASY

0.00

0.00

R ASY

0.00

0.00

R ASY

0.00

0.00

R ASY

0.00

0.00

R ASY

0.00

0.00

CM INDICATES THAT MEASUREMENTS ARE IN CM'S WHICH ARE TO BE RIGHT
 JUSTIFIED AGAINST THE DOUBLE VERTICAL LINE AT RIGHT MARGIN
 OF EACH FIELD.

R ASY

0.00

0.00

R ASY

0.00

0.00

R ASY

0.00

0.00

B-B=BLOCK-TO-BLOCK (DRILLERS BLOCKS). ENTER METRAGE OF ONE BLOCK
 AS THE TO OF ANY INTERVAL AND THE METRAGE OF THE NEXT BLOCK.
 ADDITIONAL POINTS (FROM-TO'S) CAN BE ESTABLISHED BETWEEN

R ASY

0.00

0.00

R ASY

0.00

0.00

BLOCKS TO BRACKET SPECIFIC INTERVALS OF LOCALIZED POOR
 RECOVERY. B-B IS ENTERED RIGHT JUSTIFIED IN EACH FIELD IN
 THE AMTH HEADER.

R ASY

0.00

0.00

R ASY

0.00

0.00

THE FIRST INTERVAL, THROUGH THE OVERBURDEN, WITH ZERO RECOVERY,
 SHOULD BE ENTERED FIRST -- SEE BELOW.

R ASY

0.00

0.00

R ASY

0.00

0.00

A 100

0.00

6.10

00

00

R ASY

0.00

6.10

OVERBURDEN

A 100

6.10

7.92

89

19

A 100

7.92

10.67

208

101

A 100

10.67

11.58

75

17

A 100

11.58

14.63

289

149

A 100

14.63

17.68

249

107

2.71

A 100

17.68

20.73

252

110

A 100

20.73

23.77

200

22

A 100

23.77

25.30

139

63

A 100

25.30

28.35

279

167

A 100

28.35

29.87

132

50

A 100

29.87

31.70

146

23

A 100

31.70

34.75

292

138

A 100

34.75

35.97

82

00

A 100

35.97

38.71

250

92

2.63

A 100

38.71

41.76

297

151

A 100

41.76

43.89

203

24

A 100

43.89

46.94

240

39

A 100

46.94

49.99

273

145

2.68

A 100

49.99

53.04

273

106

A 100

53.04

57.00

321

137

A 100

57.00

59.74

271

19

2.63

A 100

59.74

62.79

280

194

2.72

A 100

62.79

64.31

126

31

A 100

64.31

67.36

305

231

A 100

67.36

69.19

155

25

2.69

A 100

69.19

72.24

261

120

A 100

72.24

75.29

270

213

A 100

75.29

78.33

301

211

A 100

78.33

80.16

159

54

A 100

80.16

83.21

295

57

A 100

83.21

86.26

301

241

A 100

86.26

89.31

300

269

A 100

89.31

91.74

216

84

2.69

G E O L O G				ROD	SP. GR.						
A IYP				CM	SG						
A MTH				FT	WEIGH						
A LAB				FLD	FLD						
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10 9.49
A 100	91.74	93.88	214	17							
A 100	93.88	96.01	141	115							
A 100	96.01	99.36	335	133							
A 100	99.55	102.61	220	180							
R ASY	102.41	105.46	256	199	2.65						
R ASY	99.97	102.01	WEDGE GROOVE								
A 100	102.41	103.94	153	109							
A 100	103.94	105.46	152	89							
A 100	105.46	107.29	170	51							
A 100	107.29	110.34	290	59							
A 100	110.34	113.39	293	154							
A 100	113.39	116.13	224	54							
A 100	116.13	119.18	303	98							
A 100	119.18	122.22	208	149							
A 100	122.22	124.36	140	42							
A 100	124.36	126.80	223	61							
A 100	126.80	128.63	173	21	2.70						
A 100	128.63	129.84	111	22							
A 100	129.84	132.89	282	38							
A 100	132.89	135.64	226	64							
A 100	135.64	138.68	280	139							
A 100	138.68	139.90	47	00							
A 100	139.90	142.95	299	239							
A 100	142.95	145.69	233	86							
A 100	145.69	148.74	305	177							
A 100	148.74	151.79	240	24							
A 100	151.79	154.84	297	91							
A 100	154.84	157.89	291	183							
A 100	157.89	160.93	291	163							
A 100	160.93	163.98	284	189							
A 100	163.98	167.03	305	162							
A 100	167.03	170.08	306	212							
A 100	170.08	173.13	290	180							
A 100	173.13	176.17	255	95	2.74						
A 100	176.17	179.22	251	122							
A 100	179.22	180.14	88	00							
A 100	180.14	182.27	190	26							
A 100	182.27	185.32	287	158							
A 100	185.32	188.37	279	169	2.83						
A 100	188.37	191.11	201	00							
A 100	191.11	194.16	123	43							
A 100	194.16	196.29	117	00							
A 100	196.29	198.90	61	43							
A 100	198.90	199.34	181	42							
A 100	199.34	200.25	32	00							
A 100	200.25	203.30	281	140	2.75						
A 100	203.30	206.35	272	145							
A 100	206.35	209.70	278	168							
A 100	209.70	210.62	92	43							
A 100	210.62	213.06	177	105							
A 100	213.06	216.10	258	181							

A UME				RJD	SP. GR.							
A TYP				CM	SG							
A MTH				B-B	WEIGH							
A LAB				FLD	FLD							
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	216.10	219.15	294	245		2.71						
A 100	219.15	222.20	298	253								
A 100	222.20	225.25	288	80								
A 100	225.25	226.77	106	69								
A 100	226.77	228.30	112	84								
A 100	228.30	231.34	294	220		2.73						
A 100	231.34	234.39	305	289								
A 100	234.39	237.44	300	169								
A 100	237.44	239.88	230	150								
A 100	239.88	240.49	40	00								
A 100	240.49	241.10	56	26								
A 100	241.10	241.40	30	14								
A 100	241.40	243.54	130	69								
A 100	243.54	245.97	204	156		2.79						
A 100	245.97	247.50	153	53								
A 100	247.50	249.63	204	92								
A 100	249.63	251.16	116	09								
A 100	251.16	252.68	139	73		2.70						
A 100	252.68	255.73	285	213								
A 100	255.73	258.78	302	277								
A 100	258.78	261.82	295	245								
A 100	261.82	264.26	194	48								
A 100	264.26	266.40	159	118		2.76						
A 100	266.40	268.53	192	118								
A 100	268.53	271.38	319	234		2.73						
A 100	271.38	275.23	326	268								
A 100	275.23	278.59	290	251								
A 100	278.59	281.64	270	166		2.79						
A 100	281.64	283.46	173	168								
A 100	283.46	286.51	305	326		2.73						
A 100	286.51	289.56	300	202								
A 100	289.56	292.61	277	235								
A 100	292.61	295.66	305	269								
A 100	295.66	298.09	243	279								
A 100	298.09	299.62	000	153								
R ASY	298.09	299.62	WEDGE GROOVE									
A 100	299.62	301.14	152	96		2.75						
A 100	301.14	302.57	108	43								
A 100	302.57	303.89	120	00								
A 100	303.89	306.63	203	33								
A 100	306.63	307.85	117	55		2.71						
A 100	307.85	308.76	91	63								
A 100	308.76	310.29	136	98								
A 100	310.29	313.33	282	213								
A 100	313.33	316.38	294	223								
A 100	316.38	319.43	305	219		2.75						
A 100	319.43	322.48	300	251								
A 100	322.48	325.22	274	283								
A 100	325.22	326.75	153	145								
A 100	326.75	329.79	160	118								
A 100	329.79	331.62	166	153								

				RJD	SP.GR.							
				CM	SG							
				R-B	WEIGH							
A LAB				FLD	FLD							
A MTN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	351.62	354.67	297	197								
A 100	354.67	357.72	295	181								
A 100	357.72	360.77	305	301								
A 100	360.77	363.20	234	93								
A 100	363.20	366.25	305	310		2.75						
A 100	366.25	369.61	327	240								
A 100	369.61	372.96	307	304								
A 100	372.96	376.01	287	106								
A 100	376.01	379.23	117	90								
A 100	379.23	382.05	182	127		2.75						
A 100	382.05	385.10	144	93								
A 100	385.10	388.63	61	00								
A 100	388.63	392.67	304	279								
A 100	392.67	396.03	310	234								
A 100	396.03	399.58	335	289								
A 100	399.58	403.99	57	00								
A 100	403.99	407.60	61	47								
A 100	407.60	411.04	237	226								
A 100	411.04	414.48	203	188		2.77						
A 100	414.48	417.30	160	113								
A 100	417.30	420.13	97	00								
A 100	420.13	423.05	92	43		2.71						
A 100	423.05	425.27	120	37								
A 100	425.27	428.32	284	162								
A 100	428.32	431.57	330	179		2.76						
A 100	431.57	434.41	267	155								
A 100	434.41	437.33	87	17								
A 100	437.33	440.07	250	79								
A 100	440.07	442.29	114	25								
A 100	442.29	445.51	116	60								
A 100	445.51	448.95	204	94								
A 100	448.95	452.99	264	94		2.71						
A 100	452.99	456.91	92	15								
A 100	456.91	460.52	45	00								
A 100	460.52	463.95	186	94								
A 100	463.95	467.70	270	226		2.61						
A 100	467.70	471.05	146	92								
A 100	471.05	474.58	153	91		2.75						
A 100	474.58	478.80	108	40								
A 100	478.80	482.01	111	65								
A 100	482.01	485.76	275	190								
A 100	485.76	489.81	268	178								
A 100	489.81	493.72	91	91								
A 100	493.72	497.35	171	96								
A 100	497.35	501.21	290	263								
A 100	501.21	505.73	00	152		2.73						
R ASY	505.73	510.00										
A 100	510.00	514.95	122	105								
A 100	514.95	519.47	152	147								
A 100	519.47	524.00	153	132								
A 100	524.00	528.05	300	286		2.84						

A UMM				ROD	SP.GR							
A TYP				CR	SG							
A MTH				8-8	WEIGH							
A LAB				FLO	FLO							
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	441.05	444.09	292	138		2.70						
A 100	444.09	447.45	317	241		2.74						
A 100	447.45	450.19	144	88								
A 100	450.19	451.71	145	106		2.70						
A 100	451.71	454.76	260	245		2.78						
A 100	454.76	458.11	324	259								
A 100	458.11	461.47	305	257		2.81						
A 100	461.47	464.52	305	264								
A 100	464.52	465.73	88	40								
A 100	465.73	467.55	183	132								
A 100	467.55	468.17	38	00								
A 100	468.17	471.22	305	238								
A 100	471.22	474.27	305	233								
A 100	474.27	477.62	322	289								
A 100	477.62	480.67	261	169								
A 100	480.67	483.72	305	278								
A 100	483.72	486.77	277	231								
A 100	486.77	487.98	121	70		2.81						
A 100	487.98	490.42	195	75								
A 100	490.42	493.47	290	224								
A 100	493.47	495.60	207	152								
A 100	495.60	496.52	92	50								
A 100	496.52	499.26	274	282								
A 100	499.26	502.31	305	267								
A 100	502.31	505.36	301	264								
A 100	505.36	508.10	274	297								
A 100	508.10	508.71	61	00								
A 100	508.71	509.02	24	24								
A 100	509.02	511.15	87	64								
A 100	511.15	513.89	274	163								
A 100	513.89	516.64	206	149								
A 100	516.64	519.07	224	126								
A 100	519.07	519.68	61	00								
A 100	519.68	520.60	86	11								
A 100	520.60	522.43	183	160								
A 100	522.43	525.48	302	294								
A 100	525.48	528.52	300	252								
A 100	528.52	531.57	281	281								
A 100	531.57	534.62	305	285								
A 100	534.62	537.67	305	298								
A 100	537.67	537.97	25	00		2.73						
A 100	537.97	538.28	31	00								
A 100	538.28	539.19	73	26								
A 100	539.19	539.50	29	00								
A 100	539.50	539.80	20	00								
A 100	539.80	541.63	150	72								
A 100	541.63	543.46	183	171								
A 100	543.46	545.29	183	141								
A 100	545.29	546.81	122	114								
A 100	546.81	549.25	205	194								
A 100	549.25	550.47	106	63								

G E O L O G				R O D		S P . G R .						
A T Y P				C M		S G						
A M T H				S - B		W E I G H						
A L A B				F L D		F L D						
A M I D				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	550.47	553.52	296	249								
A 100	555.52	556.56	304	268								
A 100	556.56	557.17	49	12								
A 100	557.17	557.78	61	23								
A 100	557.78	558.39	61	23								
A 100	558.39	559.61	120	45								
A 100	559.61	562.66	305	210								
A 100	562.66	564.49	177	145								
A 100	564.49	567.54	305	248								
A 100	567.54	570.59	305	296								
A 100	570.59	573.63	304	289								
A 100	573.63	576.68	260	177								
A 100	576.68	577.29	49	15								
A 100	577.29	580.03	201	127								
A 100	580.03	581.25	122	47								
A 100	581.25	584.61	302	204								
A 100	584.61	585.22	61	37								
A 100	585.22	586.44	122	34		2.76						
A 100	586.44	587.35	61	54								
A 100	587.35	590.40	280	188								
A 100	590.40	591.01	47	00								
A 100	591.01	591.92	84	38								
A 100	591.92	593.14	122	62								
A 100	593.14	595.27	205	117								
A 100	595.27	595.58	31	31								
A 100	595.58	595.88	26	09								
A 100	595.88	597.71	140	101								
A 100	597.71	599.85	207	97								
A 100	599.85	601.37	121	56								
A 100	601.37	602.59	119	36								
A 100	602.59	603.81	122	34								
A 100	603.81	604.42	61	15								
A 100	604.42	605.94	129	15		2.76						
A 100	605.94	607.77	183	48								
A 100	607.77	608.69	67	13								
A 100	608.69	609.60	74	00								
A 100	609.60	610.51	84	00								
A 100	610.51	612.04	153	129								
A 100	612.04	612.95	75	00		2.79						
A 100	612.95	614.17	120	26		2.80						
A 100	614.17	615.09	92	19								
A 100	615.09	616.61	152	61								
A 100	616.61	617.52	91	43								
A 100	617.52	618.74	122	44								
A 100	618.74	620.57	147	18								
A 100	620.57	621.79	122	27								
A 100	621.79	623.01	122	26		2.80						
A 100	623.01	624.54	153	29								
A 100	624.54	625.45	62	19								
A 100	625.45	628.50	291	179								
A 100	628.50	631.55	305	213		2.82						

A DIAM				ROD	SP. GR. SG							
A TYP				CM	WEIGH							
A MTH				S-R								
A LAB				FLD	FLD							
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	631.55	634.59	301	167								
A 100	634.59	637.64	265	156								
A 100	637.64	640.69	305	291		2.81						
A 100	640.69	643.74	305	190								
A 100	643.74	645.18	228	77								
A 100	645.18	647.70	152	93								
A 100	647.70	650.75	305	222		2.86						
A 100	650.75	652.83	190	99								
A 100	652.83	655.93	305	160								
A 100	655.93	658.98	277	116		4.26						
A 100	658.98	660.81	167	95								
A 100	660.81	662.64	169	41		2.81						
A 100	662.64	663.24	80	00		3.90						
A 100	663.24	664.16	92	13								
A 100	664.16	664.77	45	00								
A 100	664.77	666.60	44	00								
A 100	666.60	667.82	72	00		3.67						
A 100	667.82	669.34	69	00								
A 100	669.34	671.17	06	00								
A 100	671.17	671.55	7	00								
A 100	671.55	672.08	41	19								
A 100	672.08	672.69	61	35								
A 100	672.69	674.22	127	33		2.73						
A 100	674.22	674.83	25	00								
A 100	674.83	675.74	38	00								
A 100	675.74	677.27	103	45								
A 100	677.27	680.31	277	153								
A 100	680.31	683.36	305	235								
A 100	683.36	683.97	42	35		2.70						
A 100	683.97	687.02	299	177								
A 100	687.02	690.07	305	272								
A 100	690.07	690.37	010	000								
A 100	690.37	692.26	158	106								
A 100	692.26	693.12	046	000								
A 100	693.12	694.33	101	040								
A 100	694.33	695.55	117	050		2.69						
A 100	695.55	696.16	61	000								
A 100	696.16	696.77	036	000								
A 100	696.77	697.38	040	000								
A 100	697.38	697.99	031	000								
A 100	697.99	698.60	029	000								
A 100	698.60	698.91	015	000								
A 100	698.91	699.06	012	000								
A 100	699.06	699.82	046	000								
A 100	699.82	701.04	025	000								
A 100	701.04	703.17	201	108								
A 100	703.17	705.31	210	212		2.96						
A 100	705.31	708.36	305	242		2.96						
A 100	708.36	711.40	304	271								
A 100	711.40	714.45	305	250								
A 100	714.45	717.50	305	305								

G E O L O G				RQD		SP. GR.					
A TYP				CM		SG					
A MTH				3-B		WEIGH					
A LAB				FLD		FLD					
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10 9.49
A 100	717.50	720.55	305	208							
A 100	720.55	723.60	305	140							
A 100	723.60	726.95	335	264							
A 100	726.95	730.00	305	239		3.45					
A 100	730.00	733.35	335	236							
A 100	733.35	736.70	335	245							
A 100	736.70	739.75	305	300							
A 100	739.75	742.80	305	206							
A 100	742.80	745.85	305	230							
A 100	745.85	748.89	304	246		2.99					
A 100	748.89	751.94	305	171							
A 100	751.94	754.99	305	216							
A 100	754.99	758.04	305	234							
A 100	758.04	761.08	304	241							
A 100	761.08	764.13	305	218							
A 100	764.13	767.18	305	181		2.95					
A 100	767.18	770.23	305	200							
A 100	770.23	773.28	206	279							
A 100	773.28	776.32	290	207							
A 100	776.32	779.07	244	133							
A 100	779.07	782.12	305	225							
A 100	782.12	785.16	304	285							
A 100	785.16	788.51	335	290							
A 100	788.51	788.55	064	000							
A 100	788.55	789.13	058	000		2.92					
A 100	789.13	791.57	244	170							
A 100	791.57	794.61	304	302							
A 100	794.61	797.04	243								
A 100	797.04	797.66	62	94							
A 100	797.66	800.71	305	213							
A 100	800.71	801.32	53	0							
A 100	801.32	803.76	244	135							
A 100	803.76	806.81	285	100							
A 100	806.81	809.85	259	251							
A 100	809.85	811.65	167	111							
A 100	811.65	812.90	119	72							
A 100	812.90	814.43	153	78							
A 100	814.43	816.25	177	86		2.81					
A 100	816.25	819.00	275	130							
A 100	819.00	822.05	298	196							
A 100	822.05	824.79	271	120							
A 100	824.79	827.84	305	223							
A 100	827.84	830.88	284	158							
A 100	830.88	833.93	303	268							
A 100	833.93	836.98	305	199		2.78					
A 100	836.98	837.59	25	20							
A 100	837.59	838.58	91	62							
A 100	838.58	841.55	297	216							
A 100	841.55	844.60	299	246							
A 100	844.60	847.95	302	250							
A 100	847.95	851.31	326	260							

G F D L H G				RED		SP. GR.						
A TYP				CM		SG						
A MTH				R-R		WEIGH						
A LAB				FLD		FLD						
A MIN				0.02	0.07	6.24	-0.02	-0.01	0.39	-0.10	-0.10	9.49
A 100	851.31	854.35	304	310								
A 100	854.35	857.40	305	216								
A 100	857.40	860.45	305	256								
A 100	860.45	863.50	305	204								
A 100	863.50	865.55	138	130								
A 100	865.55	867.77	244	217								
A 100	867.77	870.81	304	209								
A 100	870.81	873.86	305	138								
A 100	873.86	876.91	297	224								
A 100	876.91	879.96	301	265		2.78						
A 100	879.96	883.01	296	222								
A 100	883.01	886.05	295	270								
A 100	886.05	887.88	183	153								
A 100	887.88	891.24	316	265								
A 100	891.24	893.37	213	228								
A 100	893.37	896.72	319	278								
A 100	896.72	899.77	305	260								
A 100	899.77	902.82	305	312								
A 100	902.82	905.87	305	262								
A 100	905.87	909.22	322	189								
A 100	909.22	912.57	312	267		2.78						
A 100	912.57	915.92	325	294								
A 100	915.92	918.97	300	285								
A 100	918.97	922.32	315	246								
A 100	922.32	925.37	305	290								
A 100	925.37	928.73	296	242								
A 100	928.73	931.77	290	233								
A 100	931.77	934.82	287	239								
A 100	934.82	937.87	237	158								
A 100	937.87	940.92	294	270								
A 100	940.92	943.97	296	288		2.84						
A 100	943.97	947.01	277	157								
A 100	947.01	950.06	264	35								
A 100	950.06	952.20	177	0								
A 100	952.20	953.72	69	0								
A 100	953.72	955.85	56	0								
A 100	955.85	957.99	116	0								
A 100	957.99	958.90	72	0								
A 100	958.90	959.51	35	0								
A 100	959.51	961.03	71	0								
A 100	961.03	961.34	12	0								
A 100	961.34	962.86	119	50								
A 100	962.86	963.17	18	0								
A 100	963.17	965.00	124	30								
A 100	965.00	966.22	71	17								
A 100	966.22	968.04	163	126								
A 100	968.04	971.40	279	150								

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

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

PAC OCEAN OIL LTD.

JAS 10 RB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRVERSE : 81-00069
TOTAL DEPTH/LENGTH : 1042.72
CORE/HOLE DIAMETER : 8000COLLAR ELEVATION: 1347.38
NORTHING(- IF S): 7002950.00
EASTING (- IF W): 436447.94AZIMUTH(DEG) : 180.00
VERTICAL ANGLE : -80.00
CO-ORD SYSTEM : UTMGEOLOGGED BY : DWH + JER
DATE (YY/MM/DD): 810606
PROJECT NUMBER : J-MAIN

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
1	25.60	180.00	-79.75
2	40.23	171.00	-78.75
3	76.50	160.00	-77.00
4	110.03	156.00	-76.75
5	137.77	156.00	-76.25
6	152.71	153.00	-75.50
7	167.33	152.00	-75.00
8	175.26	151.00	-74.75
9	181.66	151.00	-74.75
10	188.98	157.00	-73.75
11	204.52	156.00	-73.75
12	237.74	151.00	-73.00
13	268.22	150.00	-72.75
14	299.61	150.00	-71.75
15	308.45	152.00	-71.00
16	326.44	152.00	-69.50
17	343.51	151.00	-68.50
18	356.92	150.00	-68.00
19	371.25	151.00	-66.50
20	399.29	151.00	-62.00
21	435.86	150.50	-59.75
22	466.34	153.00	-58.25
23	500.79	156.00	-56.00
24	517.86	155.00	-55.00
25	539.19	156.00	-54.00
26	568.76	157.00	-53.00
27	598.63	156.00	-52.50
28	626.36	150.00	-51.50
29	661.42	145.00	-51.00
30	694.64	148.00	-51.00
31	726.64	154.00	-51.00
32	755.60	154.00	-50.00