

PAF MOUNT RESOURCES LTD.

DAILY DRILLING REPORT

UNIQUE I.D. _____

LOCATION: BEAKLEY NETLA M-23
WELL LICENCE WTD 1841

SUPERVISOR: AL TROWBRIDGE
CELLULAR #: 1-600-700-5042
SPUD DATE: _____
R.R. DATE: _____
CONTRACTOR: PRECISION RIG #379
A.F.E. #: 17168 EST. T.D. 2330

DAILY COST: 42,758
CUM. COST: 269,706
DAILY MUD: _____
CUM MUD: _____

DAY: 2 REP DATE: 98-12-17 STATUS 08:00 DISPLACE WELL TO INVERT
DEPTH: _____ PROG. _____ KB: 279.8 GL: 273.1 MACP: _____
SURVEYS: _____

MUD TYPE: _____ WT: _____ VISC: _____ WL: _____ FC: _____ PH: _____
ADDITIVES: _____

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	OUT	RUN	HRS	TBG	WEIGHT	RPM
1A	144966	222	PEND.	L127T	3x10.3	RUN	513	0		0	0

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZEL VEL
GARD. DENV. P28		165	203						

STRING WT. 24,000
DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
BIT	222		.25
B/S	159		.92
159 222MM DC	159		9.33
X10 REAMER	222		1.41
X10 3 D.C. ^s	159		27.90
SDE REAMER	222		1.47
12-D.C. ^s	159		110.43
KELLY 1-XO SUB	159		.78
TOTAL			152.49

TIME DISTRIBUTION

MOVE/RIG-UP	RIG REP:
DRILL MH & RH:	LOGGING:
RIG SERVICE:	CEMENT:
SURVEY:	WOC:
PRESSURE TEST:	RUN CSG:
DRILL:	DST:
DRILL OUT:	TRIP:
CIRCULATE:	L.D.D.S.:
NIPPLE UP BOP:	REAM:
SAFETY MTG. + B.O.P. DRILL .50	

CASING SUMMARY

RAN _____ JTS OF _____ MM, _____
LANDED AT _____ MKB. TOTAL LENGTH _____ METERS. _____ CASING.
CEMENTED WITH _____
PLUG DOWN AT _____ HRS. ON _____ WITH _____ M3 CEMENT RETURNS.

TOTAL HOURS: 24.00

FINISH NIPPLING UP B.O.P.^s - REMODEL DRUG. NIPPLE FOR DRIP PAN.
PRESS. TEST CSG. + BLIND Rams To 15,000 KPA. - PRESS. TEST MANIFOLD VALVES
KILL LINE + H.C.R. VALVES To 1500 Low + 7000 HIGH FOR 10 MINS. EACH.
MAKE UP BIT + B.H.A. - PICK UP + RUN DRILL PIPE - TAGGE P.B.T.D. @ 488.06
PRESS. TEST UPPER + LOWER PIPE Rams, ANNULAR, INSIDE B.O.P., H.C.R.,
STABBING VALVE AND KELLY COCK To 7000 KPA. HIGH + 1500 KPA. Low TEST FOR
10 MINS. EACH - PRESS. TEST KILL LINE To 14,000 KPA. FOR 10 MINS. - HELD
B.O.P. DRILL + SAFETY MEETING. DISPLACE WELL TO INVERT MUD.

DRILLING REPORT DAY 1

HIGHWOOD WELLSITE SERVICES INC. DAILY GEOLOGICAL WELL REPORT 1998-12-19

Paramount et al Netia M-23

Report To:	PAUL COLLENS	Report From:	JEFF BOULTER
Spud Date:	December 1	Telephone:	1600 700 5042
Gd. Elevation:	273.1	Days from Spud:	2
Depth @ 6:00:	660 m	K.B. Elevation:	278.25
Status @ 8:00:	Drilling ahead 222 mm hole (fanning)	Formation:	Kotcho
24 hr Progress:	122 m	Average ROP:	8 m/hr

OPERATIONS SUMMARY - Last 24 Hours

Drilled 222 mm hole and survey, we have been fanning the hole due to fact that the first survey was out to 2.5 deg and the next one was 3.0 deg. The last survey at 643.0 m was 3.25 deg, so we pulled out of hole and layed down bottom stablizer and run in hole, drill ahead 222 mm hole

SURVEYS

549.0 m 2.5 deg / 587.0 m 3.0 deg / 615.0 m 3.0 deg / 643.0 m 3.25 deg

MUD PROPERTIES

Type: Invert
Density: 930 kg/m³
Viscosity: 90 s/L
Water Loss: 19 cm³/30 min
pH:
Filter Cake: mm

SAMPLE TOPS

Formation	Sample Depth	TVD	Subsea	Prognosis Subsea	Change
Scatter	113.0	0.0		162.5	
Garbutt	245.0	0.0		136.8	
Banff	297.0	0.0		34.8	
Exshaw	487.0	0.0		-207.2	
Kotcho	502.0	0.0		-221.2	

HIGHWOOD WELLSITE SERVICES INC. 41 Riverview Circle COCHRANE, Alberta (403) 932-2916		COMPOSITE WELL HISTORY DRILLING TIME LITHOLOGY LOG	
COMPANY: PARAMOUNT RESOURCES LTD. WELL: Paramount et al Netla M-23 FIELD: PROVINCE: NorthWest Ter. LOCATION: M-23 60 Deg 50' 123 Deg 00'			
COORDINATES: ELEVATIONS: GD 273.1 m KB 279.8 m		LOG MEASURED FROM KB 6.7 m ABOVE GROUND	
WELL TYPE: Gas Exploration SPUD DATE: December 17, 1998 LICENCE No.: WID 1841		TOTAL DEPTH: T.D. DATE: AFE No.: 17168	
CONTRACTOR: Precision Drilling MUD TYPE: Invert MUD UP @: 500.0m SAMPLES: 5 meter intervals Paramount: 500.0 - Total Depth N.E.B.: 500.0 - Total Depth DSTs:		CORES: OPEN HOLE LOGS:	
SUPERVISION GEOLOGICAL: JEFF BOULTER		DRILLING: AL IRONSIDE	

CASING DEPTH SURFACE: 499 m INTERMEDIATE: 1840 m MAIN:	CASING SIZE SURFACE: 320.42 mm INTERMEDIATE: 177 mm MAIN:	HOLE SIZE SURFACE: 339.73 mm INTERMEDIATE: 222 mm MAIN:	REMARKS:

ROCK TYPE

	CONGLOMERATE
	SANDSTONE
	SILTSTONE
	SHALE, grey
	SHALE, black
	SHALE, coloured
	CHERT
	LIMESTONE

	DOLOMITE
	ANHYDRITE
	COAL
	CLAYSTONE, grey
	CLAYSTONE, col
	MARLSTONE, calc
	MARLSTONE, dol
	SALT

	SIDERITE, LIMONITE
	BRECCIA
	IGNEOUS, basic
	IGNEOUS, acidic
	CANNOT INTERPRET
	NO SAMPLE
	CEMENT

ACCESSORIES

	SANDY
	SILTY
	FELDSPAR
	SILICEOUS
	CHERTY, light
	CHERTY, dark
	ARGILLACEOUS
	CARBONACEOUS
	BITUMENOUS
	CALCAREOUS
	LIMESTONE strg
	DOLOMITIC
	DOLOMITE strg
	ANHYDRITIC

	ANHYDRITE strg
	PHOSPHATE pel
	FERRUGINOUS
	GLAUCOUS
	BENTONITIC
	PYRITIC
	KAOLINITIC
	BIOLASTIC
	OOITES
	PELLETS
	INTRACLASTS
	FOSSILS
	CRINOID
	PELECYPOD

	BRACHIOPOD
	OSTRACOD
	CORAL
	STROMATOPOROID
	AMPHIPORA
	FISH REMAINS
	PLANT REMAINS
	BRECCIA frag
	SANDSTONE strg
	SILTSTONE strg
	SHALE lam
	TUFFACEOUS

OIL SHOWS

- EVEN STAINING, FLUORESCES
- ① SPOTTY STAIN, FLUORESCES
- QUESTIONABLE, NO FLUORESCENCE
- DEAD, ASPHALTIC

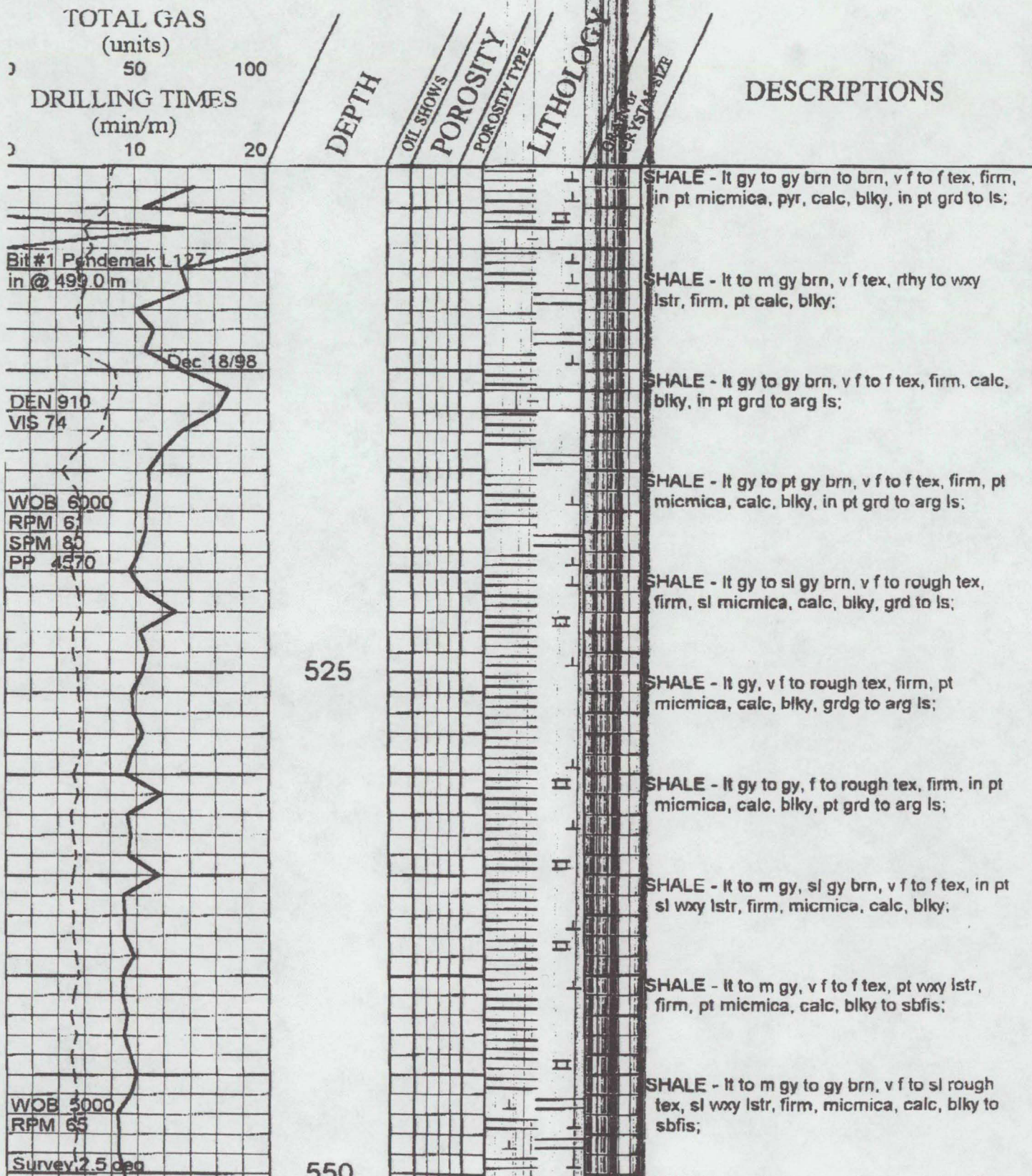
POROSITY TYPES

- X INTERCRYSTALLINE, INTERGRANULAR
- ◇ INTEROOOLITIC, INTEPELLETOID
- V VUGGY,
- P PINPOINT,
- ✓ MOLDIC
- ORGANIC
- F FRACTURE
- ⊖ EARTHY
- PENESTRAL

DUNHAM CLASSES

- PK PACKSTONE
- WK WACKSTONE
- MD MUDSTONE
- BD BOUNDSTONE
- GR GRAINSTONE

SCALE 1:240



From: Jeff Boulter

WOB 100

RPM 100

RPM 155

WOB 5500

RPM 165

Survey 3.0 deg

WOB 1500

RPM 150

Survey 3.0 deg

575

600

micmica, calc, blk to pt sbfis;

SHALE - lt gy to gy brn, sm to rough tex, firm,
micmica, calc, blk to sbfis;

SHALE - lt gy, v f to f tex, firm, micmica, calc,
tr pyr, blk to pt sbfis;

SHALE - lt to m gy, sm to f tex, firm, micmica,
calc, blk to sl sbfis;

SHALE - lt to m gy, sl gy brn, sm to rough tex,
firm, micmica, calc, blk, in pt grd to arg ls;

SHALE - lt gy, v f to f tex, firm, micmica, calc,
blk;

LIMESTONE - gy offwhite, micxl, dns tex, pt
arg, n visible por;

SHALE - lt gy to gy brn, v f to rough tex, firm,
pt micromicaceous, calc, blk;

LIMESTONE - brn gy to tan, crpxl to pt micxl,
dns tex, tt;

SHALE - lt to m gy, v f to f tex, firm, in pt
micromicaceous, calc, blk;

LIMESTONE - gy offwhite to brn gy, crpxl to
micxl, dns tex, pt arg n visible por;

SHALE - lt gy to sl gy brn, v f to f gr, firm, pt
micmica, sl calc, blk;

LIMESTONE - tan to gy brn, crpxl, dns tex, tt;

SHALE - lt gy, v f to rough tex, firm, micmica,
calc, blk, grd to arg ls;

LIMESTONE - tan to gy wh, crpxl to sl micxl,
dns tex, rr fos deb, tt;

SHALE - lt to pt m gy, f to rough tex, firm,
micmica, in pt calc, blk;

SHALE - lt gy, v f to f tex, firm, pt micmica,
calc, blk, in pt grd to arg ls;

SHALE - lt gy, f to rough tex, firm, pt micmica,
calc, tr pyr, blk;

LIMESTONE - lt brn to gy brn, crpxl to pt micxl,
dns tex, pt arg, tt;

SHALE - lt to m gy to gy brn, f to rough tex,
firm, pt micmica, calc, blk;

HALE - lt to m gy to gy brn, v f to rough tex,
sl rthy lstr, firm, pt micmica, calc, blkly;
MESTONE - brn gy to tan, crpxl to occ micxl,
dns tex, arg, tt;

HALE - lt to m gy to gy brn, v f to rough tex,
sl rthy lstr, firm, pt micmica, calc, blkly;
MESTONE - brn gy to tan, crpxl to occ micxl,
dns tex, arg, rr fos deb, tt;

WCB 5500
RPM 159

December 19/98

WCB 5200
RPM 150