COMPANY	BEACH PETROLEUM N.L.
RIG	ATCO RIG 7
WELL	BEACHCOMBER NO.1
FIELD	WILDCAT
COUNTRY	AUSTRALIA
CO-ORDINATES	25°22'43·89"S 137°48'8·50"E

DEPTH LOGGED FROM 20m
TO ~~1830 m~~
DATE LOGGED FROM 29/10/88
TO 11/11/88

~~GEARHART PTY. LTD.~~
Geodata Services
AUSTRALIA
Telephone: (08) 46 9333
Telex: AA87137
No. AH1500100

LOGGING ENGINEERS
1 J.Bowering
2 C.Menhennitt
3
4

CHROMATOGRAPH Shimadzu
TOTAL GAS RECORDER Shimadzu

LITHOLOGY

Sandstone	Metamorphics	g Glauconite	☐
Siltstone	Coal	Calcite	☐
Claystone	Pyrite	Fossil	☐
Limestone	m Mica	☐	☐

ABBREVIATIONS

NB	New bit	PP	Pump pressure	POH	Pull out of hole
NCB	New core bit	SPM	Strokes per minute	RIH	Run in hole
	Coring	CR	Circulated returns	WOW	Wait on weather
CS	Casing shoe	PR	Poor returns	LAT	Logged after trip
SWC	Sidewall cores	NR	No returns	LCM	Lost circulation material
EL	Electric log	TG	Trip gas	DC	Depth connection
RRB	Rerun bit	CG	Connection gas	DST	Drill stem test
WOB	Weight on bit	DS	Directional survey		
RPM	Revolutions per minute	WT	Wiper trip		

RKB: 60·0 m A.M.S.L.
: 3·3 m A.G.L.
All depths R.K.B.

INSTRUMENTS CHECKED DAILY

24 HRS. LOGGING SERVICE

SCALE 1:500

MUD TYPE Variable details specified in drilling rate column

MUD DATA

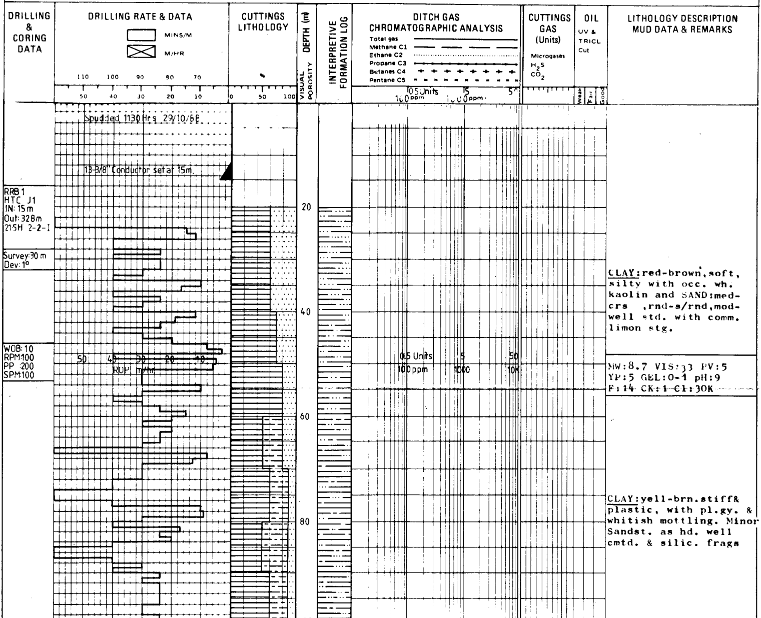
W	Weight lb/gal	CK	Cake thickness	32nd inch
MG	Mud gradient psi/1000 ft	S	Salinity	gm/ltr Cl
V	Funnel viscosity sec/qt	SD	Sand content	% by volume
PV	Plastic viscosity Cps	O	Oil content	% by volume
YP	Yield point lbs/100 ft	WL	Water loss	% by volume
GEL	Gel strength lbs/100 ft	SOL	Solids content	% by volume
pH		pl	Alkalinity of filtrate	
F	Filtrate API ml/30 minutes	GYP	Gypsum total/dissolved	

POROSITY (Visible or inferred from texture)

MATRIX POROSITY	VUGULAR POROSITY
slightly porous < 10%	isolated vugs < 10%
porous 10-30%	isolated vugs > 10%
Mixed porosity > 10%	Visibly interconnected vugs < 10%

CASING AND HOLE DATA

BIT SIZE	HOLE DEPTH	CASING SIZE	CASING SHOE
12-1/4"	328m	9-5/8"	326m
8-1/2"	1830m		



Spudded 1130 Hrs 29/10/88

13-3/8" Conductor set at 15m.

RRB 1
HTC J1
IN: 15 m
Out: 328 m
21SH 2-2-I

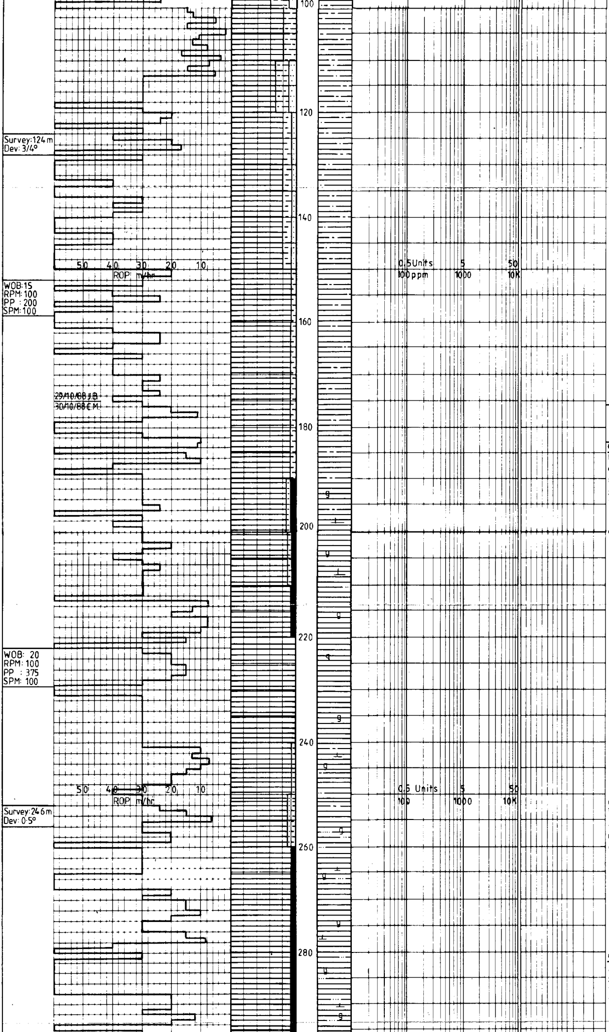
Survey: 30 m
Dev: 1°

WOB: 10
RPM: 100
PP: 200
SPM: 100

CLAY: red-brown, soft, silty with occ. wh. kaolin and SAND: med-crs, rnd-s/rnd, mod-well std. with comm. limon stg.

MW: 8.7 VIS: 33 PV: 5
YP: 5 GEL: 0-1 pH: 9
F: 14 CK: 1 Cl: 30K

CLAY: yell-brn. stiff & plastic, with pl.gy. & whitish mottling. Minor Sandst. as hd. well cmtd. & silic. frags



CLAY:yell.-brn.,comm. mottled pl. gy. silty, bec. stiff & plastic. with Silt gdg. to fine sand. Sand bec. finer gnd. & more ang.

CLAY: mottled yell.-pl. gy.-dk. gy. sl org. stiff,sticky & plastic comm. fm. & brittle. Comm. silty & w. well cmtd. sandy frags.

MW:9.2 VIS:37 pH:9
Cl:26K Filtrate:NC
Temp:39C

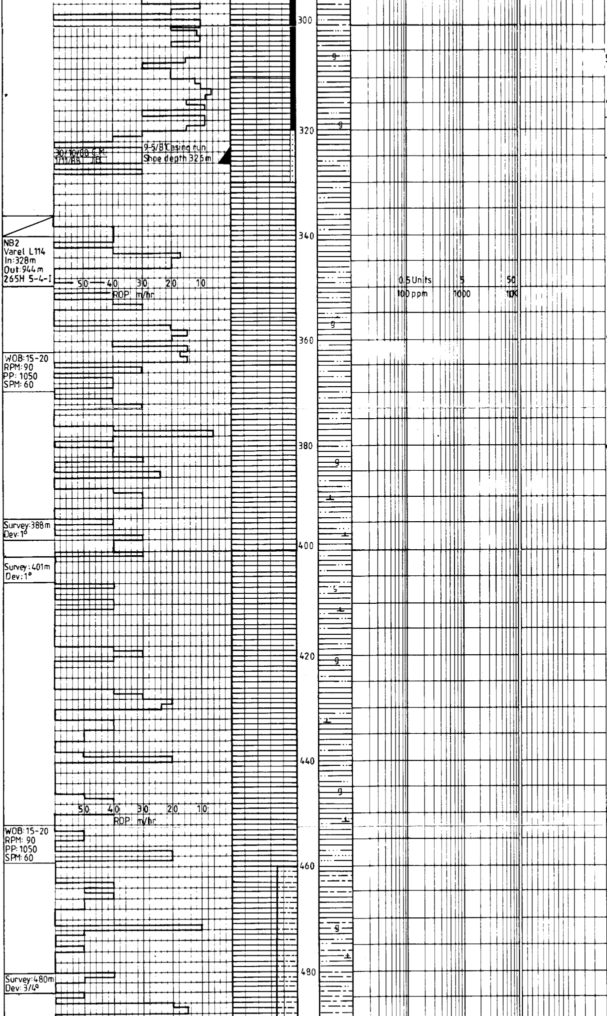
CLAYSTONE:med lt gy-lt brnsh gy,occ v lt gy, com lig,com glauc,occ slty,tr med-crs snd,tr gyp,sft-plas,occ fm, tr calc.

CLAYSTONE:med lt gy-gnsh gy,occ lt gy-yelsh gy, occ brnsh gy,abd glauc, com Lig frags,occ sst frag,soft-plas,occ fm, tr slt,tr calc.

CLAYSTONE:med lt gy-med gy,occ orsh yel, com glauc,tr gyp,tr lig, tr slt,rr lig strgr,fm plas,non calc.

CLAYSTONE:med lt gy-brnsh gy,occ gnsh gy, occ f-med gr snd in orsh mtx,occ lig frag,tr slt, occ glauc,tr gyp,sft-fm,non calc.

CLAYSTONE:med gy-gnsh gy,occ orsh brn & v lt gy,abd glauc,abd lig frags & strgrs,tr slt, tr gyp,sft-plas,tr calc.



CLAYSTONE:med gy,gnsh gy,occ [illegible] brnsh gy & v lt gy,abd lig,tr glauc, tr vf snd,tr slt,tr gyp, dsp-sft,non calc.

Mw:9.2 Vis:35 PV:5
YP:8 Gel:3/10 pH:9
F:nc CK:4 Cl:36k

CLAYSTONE:med-dk gy,slty, tr snd,mod fm,non calc.

CLAYSTONE:MED-dk gy, gnsh gy ip,comm lig frags, tr glauc,sft,non calc.

CLAYSTONE:pl gy-gn gy, tr slt,tr glauc,abd lig frags,sft,tr calc.

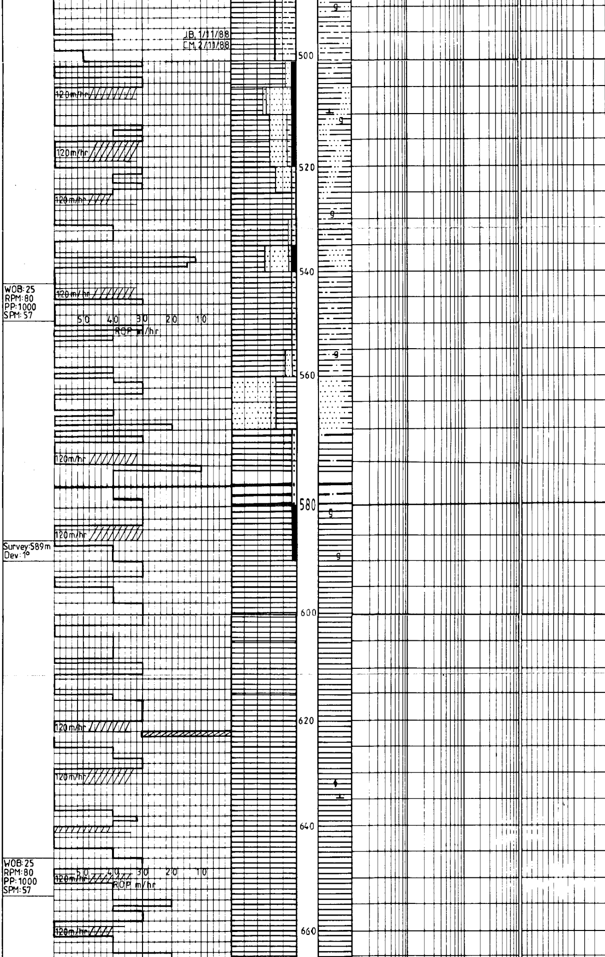
CLAYSTONE:pl-med gy,gn gy ip,comm lig,comm glauc,comm xln lst frags, tr slt,sft-fm,calc.

CLAYSTONE:pl-med gy,occ gn gy,tr lig,tr glauc, tr slt,occ snd,rr lst frags,calc.

CLAYSTONE:med gy,comm frags,f gr sst,tr glauc, tr sil cmt,sft-fm,tr calc

CLAYSTONE:pl-dk gy,inc slt w dpth,wl cmt ip, comm glauc & lig,tr py sft-fm,non calc.

MW:9.2 Vis:38 PV:5
YP:25 Gel:15/18 pH:9
F:NC CK:4 Cl:26k



CLAYSTONE:med brnsh gy, occ gnsh gy,comm lig frags & strgrs,tr med-lt gy glauc sst in arg mtx,sft-fm,tr calc.

CLAYSTONE:lt gy-med lt gy,abd glauc,comm org mat,occ lig frag & strgr in brnsh gy clyst,sft-fm,non calc.

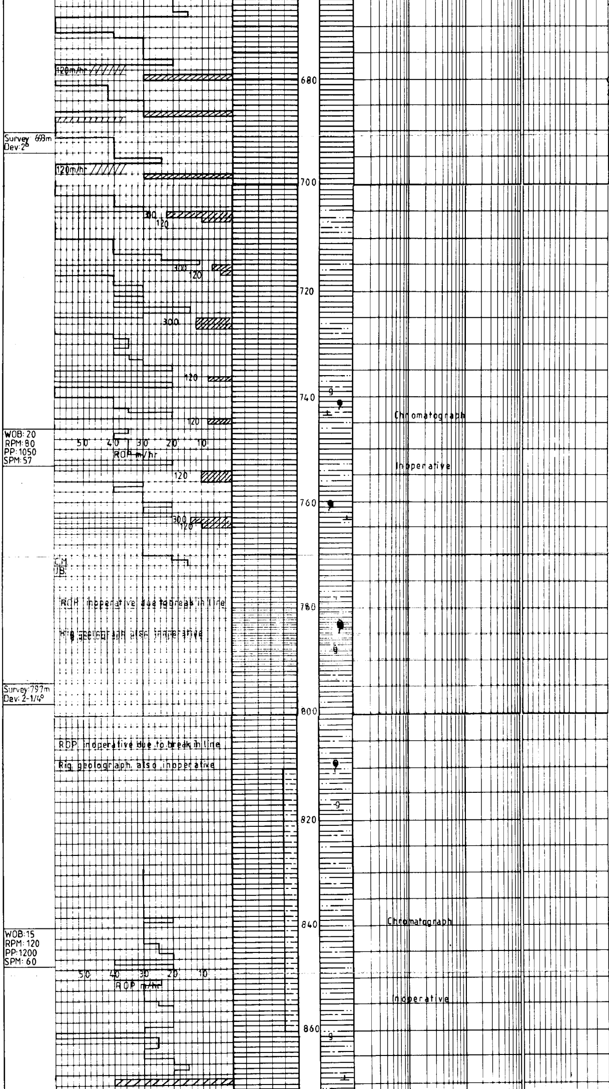
CLAYSTONE:med lt gy-lt brnsh gy,occ glauc, occ lig frag.

CLAYSTONE:lt gy-med lt gy,abd glauc,lig strgrs &flecks,sft-fm,non calc

CLAYSTONE:lt gy-lt olv gy,tr org mat,sft-plas non calc.

CLAYSTONE:lt gy-lt olv gy,occ v lt gy-lt gy, tr pyr sst,tr slt,sft-fm,tr calc.

CLAYSTONE:lt gy-lt brnsh gy,occ org mat flecks, sft-fm,non calc.



MW:9.4 Vis:36 PV:6
YP:11 Gel:11/13 pH:9
F:20 CK:3 Cl:32k

CLAYSTONE:med lt gy-lt gnsh gy,rr org mat flecks, sft-plas,non calc.

CLAYSTONE:med lt gy-lt brnsh gy,tr slt,rr org mat flecks,soft,non calc.

CLAYSTONE:med lt gy-lt brnsh gy,tr slt,occ org mat flecks,rr glauc,rr lig(Cavings),rr inoceramus,sft-fm,tr calc.

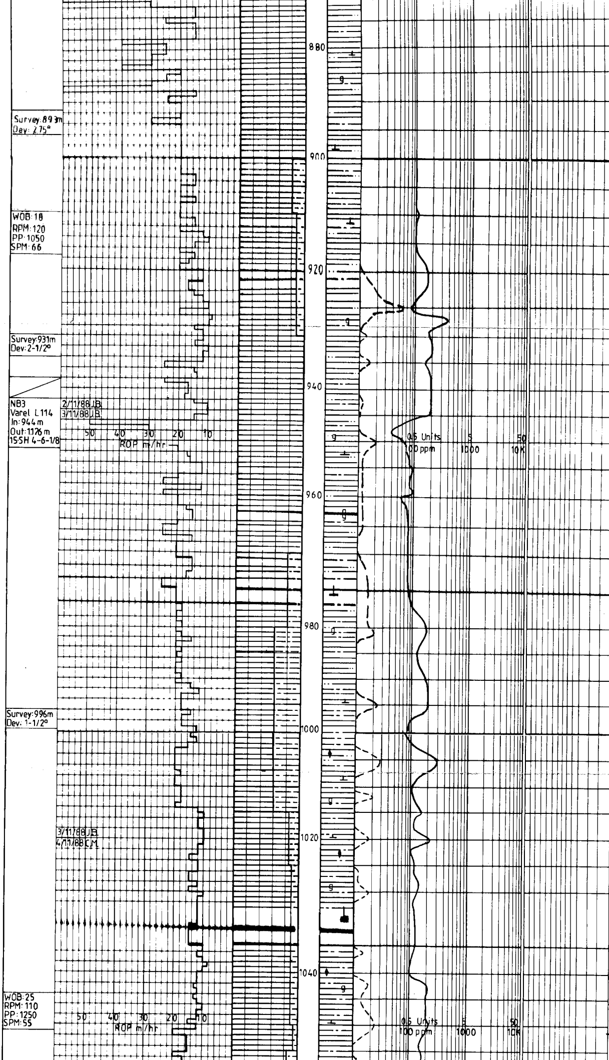
CLAYSTONE:med gy-med lt gy,occ inoceramus,tr slt, sft-fm,tr calc.

CLAYSTONE:pl-med gy, slty,occ sndy,rr lign, comm frags slty-f sndy wl cmt glauc aggs.

CLAYSTONE:med gy-dk gy comm slty grdng to sltst ip,abd inoceramus,occ glauc,fm,non calc.

CLAYSTONE:pl-med gy & grn gy,slty ip,lign ip fm,fiss,non calc.

CLAYSTONE:pl-med gy,occ gy grn,occ pl brn,occ glauc,tr snd,rr lig,rr xln lst frags,fm,calc.



CLAYSTONE:med gy,occ pl gy & gy grn,slty ip, grdng to sltst,rr lig, rr xln lst,rr med gr snd,sft-fm,fiss-blky, tr calc.

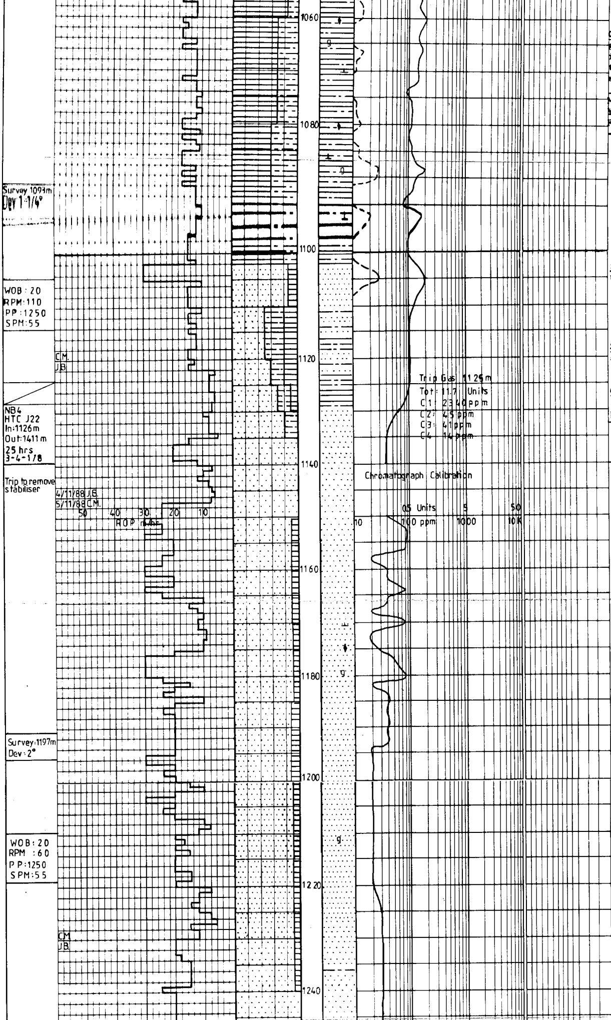
MW:9.4 VIS:35 PV:6
YP:8 GEL:3-5 pH:9
F:15 CK:2 CL:35K

CLAYSTONE:med gy-pl grn gy,comm blky blk lig frags,glauc ip,tr org mat,slty ip,mod fm-sft non calc.

CLAYSTONE:pl-med gy,occ grn gy,slty,comm glauc & lig,grdng to sltst ip,soft,tr calc.

CLAYSTONE:lt gy-med lt gy,occ v lt gy,slty,occ glauc,occ pyr,tr vf gr glauc sst,rr lig frags, sft-fm,tr calc.

CLAYSTONE:med gy-med dk gy,occ med lt gy,abd pyr,abd glauc,slty grdng to sltst ip,abd org mat, tr lig,tr vf gr snd,sft-fm,tr calc,nil fluor.



CLAYSTONE:med lt gy-med gy,slty,grdng to sltst ip,comm glauc,occ pyr, tr org mat,tr vf gr snd sft,calc,nil fluor.

MW9.5 VIS:38 PV:8
YP:9 GEL:3/6 pH:9
F:7.7 CK:1 Cl:41K

SANDSTONE:transluc-wht, med-crs gr,occ v crs gr,mod-mod wl srt,ang-sb ang,occ sb rnd,rr sil cmt,comm-abd cly mtx, abd qtz overths,uncons, gd vis por,no show.

SILTSTONE: med-dk.gy, shaley grad ip to f gr sst.

CLAYSTONE:med-dk.gy, soft,silty,org,glauc, pyritic in part.

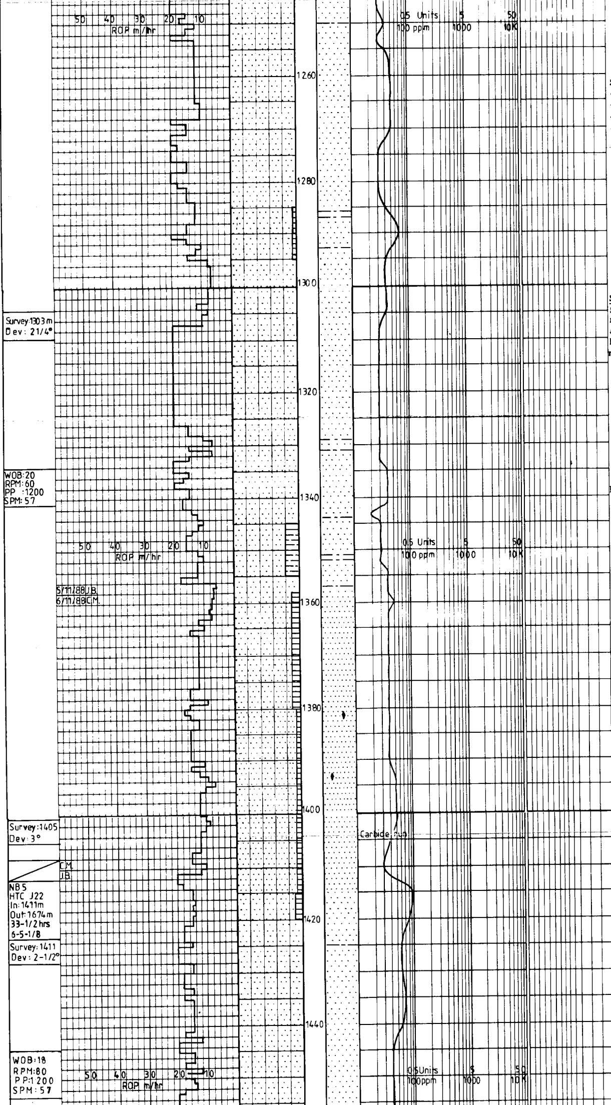
MW:9.6 Vis:40 PV:11
YP:11 Gel:4-15 pH:9
F:8.5 CK:2 Cl:40k

SANDSTONE:trslc-wht, med-crs gr,occ v crs, rr f gr,pr srt,sb ang-wl rnd ,rr sil cmt,com dsp cly mtx,com qtz ovgrths,oncons,gd vis por,no show.

SANDSTONE:med-crs gr, frags f-med sil cmt sst, pr srt,ang-sb rnd,occ rnd,rr sil cmt,tr rock flour,comm frags pyr sltst,comm clay mtx,tr coal,occ glauc,tr calc, uncons,gd vis por,no show.

SANDSTONE:trnsl-wht,med-crs gr,occ f gr,rr v crs gr,pr srt,sb rnd-rnd, occ sb rnd,tr sil cmt, disp cly mtx,occ qtz ovgrth,tr coal,tr glauc, tr slt,com clyst frags uncons,mod vis por,no show.

SILTSTONE:pl-med gy, arg,occ glauc,occ lig.



SANDSTONE:clr-mlky,med-crs gr,wl srt,sb ang-sb rnd,occ f gr cmt aggs,gd vis por,no show.

SANDSTONE:cl-milky,med gr,well std,sb ang-sb rnd unconsol. Rare cg. ang.qtz.& fg cmtd. kaol. aggs. gd vis por, no shows.

COAL:in trace prop. blk,sb vit,fm,blocky. slow strmg bl-wh crush cut.

SANDSTONE:clr-mky,med gr,occ c gr,wl srt,ang-sb ang,crs grs gen ang,occ f gr cmtd,kaol aggs,rr pyr. gd vis por, no shows.

SANDSTONE:trnsl-clr,med-crs gr,mod-wl srt,sb ang-sb rnd,occ rnd,rr sil cmt,cly mtx,tr slt, rr garnet,occ qtz ovgrths uncons,gd vis por,no show.

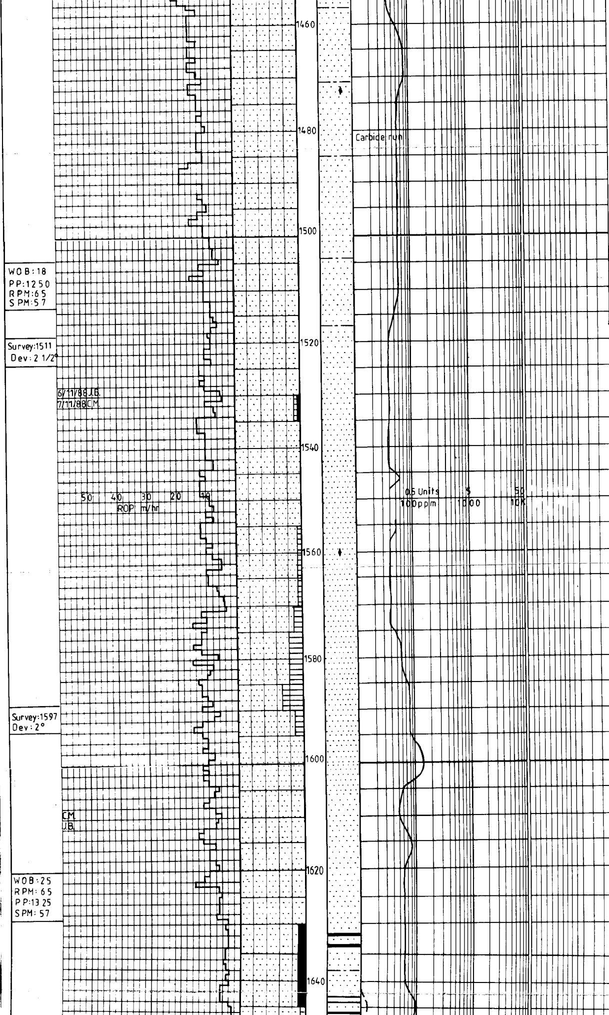
MW:9.5 Vis:34 PV:6
YP:6 Gel:3/5 pH:9
F:7.5 CK:1 Cl:38k

SANDSTONE:trnsl-clr,f-med gr,occ crs gr,ang-sb ang,occ sb rnd,tr sil cmt,rr cly mtx,tr pyr,rr garnet,tr qtz ovgrth,rr coal,occ clyst frags,tr slt,uncons, gd vis por,no show.

MW:9.3 Vis:36 PV:8
YP:8 Gel:3/5 pH:9
F:6.5 CK:1/32 Cl:38k

SANDSTONE:clr-mky,med-crs gr,occ f gr aggs, wl srt,sb ang-sb rnd, rr sil cmt,clay mtx,rr garnet. Good vis por, no shows.

CLAYSTONE: med-dk gy, sft-fm,slty,rr lig.



WOB:18
PP:1250
RPM:65
SPM:57

Survey:1511
Dev: 2 1/2°

6/11/88 J.B.
7/11/88 C.M.

Survey:1597
Dev: 2°

CM
JB

WOB:25
RPM:65
PP:1325
SPM:57

SANDSTONE:clr-mky, med-crs gr wl srt, ang-sb rnd. rr garnet, pyr & lig. Good vis por, no shows.

SANDSTONE:clr-m ky, med gr,com crs gr, wl srt ,sb ang-sb rnd, unconsol,ptly cmtd as aggs w/ kaol mtx. rr pyr, garnet & lig. Good vis por, no shows.

MW:9.3 Vis:36 PV:8
YP:8 Gel:2/5 pH;9
F:6 Ck:1 Cl:42k

SANDSTONE:clr-trnsl, med crs gr,mod-wl srt, ang-sb ang,occ sb rnd, rr sil cmt,occ qtz ovgrths rr garnet,tr cly,tr slt, tr coal,uncons ip. Mod vis por ip, no shows.

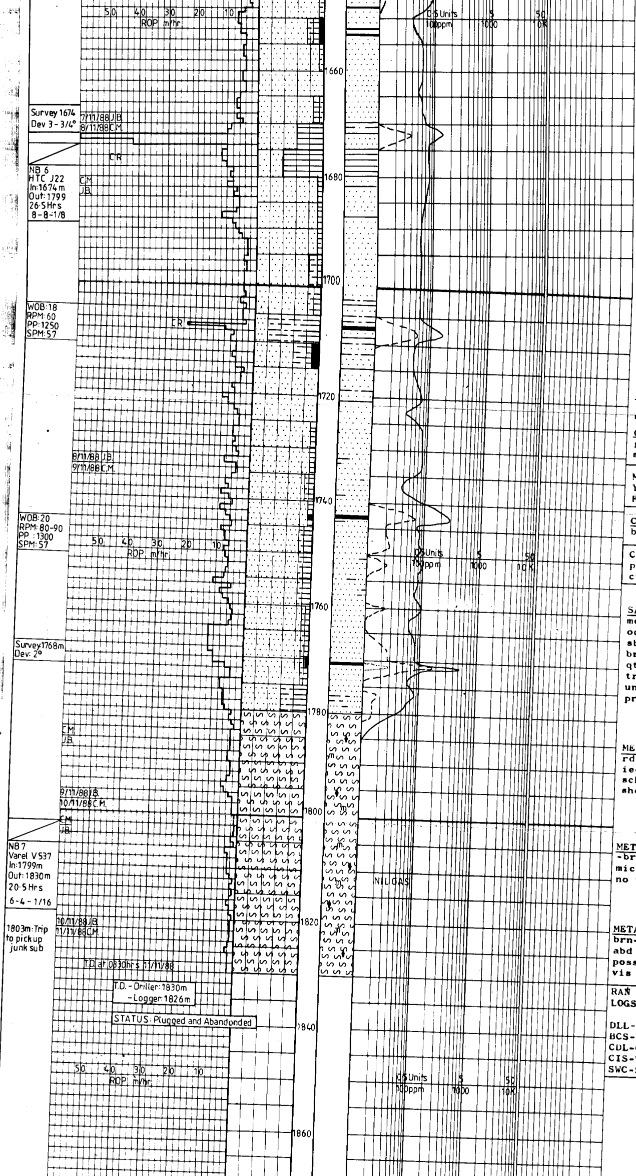
CLAYSTONE:med gy-grnsh gy, occ carb flecks, sft, non calc.

SANDSTONE:clr-trnsl, med-crs gr,occ f gr, mod srt,sb ang-sb rnd, occ ang,occ qtz ovgrths, rr sil cmt,rr amber, tr coal·Mod vis por, no shows.

SANDSTONE:cl-mky,med-crs gr,sb ang-sb rnd, occ crs ang grs, mod-wl srt, com frags wh kaol mtx mat,rr garnet Mod vis por,no shows

MW:9.4 Vis:35 PV:7
YP:7 Gel:2/5 pH:9
F:6 CK:1 Cl:40K

SANDSTONE:cl-mky,f-crs gr, ang-sb ang, pr srt uncons ip & ptly as f gr cmt aggs w/ Kao mtx, rr garnet,smokey



qtz & brn dol.
Pr vis por, no shows.

SILTSTONE: pl-dk gy & gn/gy, arg, fm-sft, com carb.

COAL: bl, sbvit, mod fm, blocky, gives slow bl/wh crush cut

CLAYSTONE: pl-dk gy & gn gy, com carb, slty sft-fm, blky.

SANDSTONE: clr-mlky & pl gy, med-crs gr, uncons, f gr cmt Aggs w kao mtx, pr srt, sb ang-sb rnd, com v crs ang gr, wh kao mtx mat, pr vis por, no show.

SILTSTONE: pl brn-pl gy f sndy-arg, com carb mat, fm.

CLAYSTONE: pl-dk gy-gy grn, com slt, com carb mat, fm-sft, blky.

MW: 9.4 Vis: 36 PV: 7
YP: 7 Gel: 2/5 pH: 9
F: 6.4 CK: 1 Cl: 40k

COAL: blk, dull, sft-fm, blky.

Coal has slow radiating pale blue-white crush cut.

SANDSTONE: clr-trnsl, med-crs gr, occ f gr, occ v crs gr, sb ang-sb rnd, occ ang, occ dk brnsh gy-blk mtx, occ qtz ovgrth, tr glauc, tr coal, com sil cmt, uncons ip, mod hd-hd, pr vis por, no show.

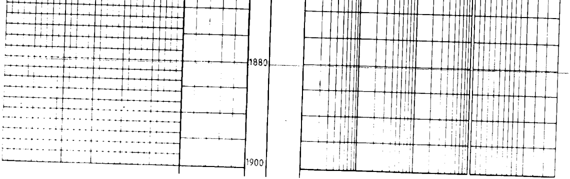
METASEDIMENT: clr-pl rd-brn, rexlzd, silicified, mic (Biot), pyr, poss sch ip, no vis por, no show.

METASEDIMENT: clr-pl rd-brn, rexlzd, silicified mic (Biot), pyr, poss sch no vis por.

METASEDIMENT: pl rdsh brn-dk rdsh brn, occ clr, abd py, abd mic (Biot), poss sch as above, no vis por.

RAN GEARHART WIRELINE LOGS

DLL-MSFL-GR-SP-CAL
BCS-GR
CDL-CNS-GR
CIS-WSS
SWC-SP



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