ENCLOSURE 2

FR88/074 8

COMPANY	PACIFIC OIL & GAS
RIG	ROCKDRIL RIG 20
WELL	PHILLIP 1
FIELD	WILDCAT
COUNTRY	NORTHERN TERR AUSTRALIA
CO-ORDINATES	22°16' 15"S 135° 16' 15"E

DEPTH LOGGED FROM	128m
TO	586m
DATE LOGGED FROM	25/4/88
TO	16/5/88
ELEVATION: G.L.	421m
R.T.	423.5m

GEARHART PTY. LTD.
Geodata Services
AUSTRALIA
Telephone: (08) 46 6592
No. AH1500100 Telex: AA87137

LOGGING ENGINEERS
1 R STEAR
2 S WILLIAMSON
3
4

CHROMATOGRAPH: SHIMADZU F.I.D.
TOTAL GAS RECORDER: SHIMADZU F.I.D.
H_2S RECORDER:

INSTRUMENTS CHECKED DAILY
24 HRS. LOGGING SERVICE

SCALE 1:500

LITHOLOGY: SANDSTONE, LIMESTONE, LITHIC, GLAUCONITIC, SILTSTONE, DOLOMITE, MICACEOUS, CLAYSTONE, DOLOMITIC, SHALE, CALCAREOUS

ABBREVIATIONS

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

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 lb/100 ft	WL	Water loss	% by volume	
GEL	Gel strength lbs/100 ft	SOL	Solids content	% by volume	
pH			Accumulated volume		
F	Filtrate API ml/30 minutes	GYP	Gypsum content	lb/barrel	

POROSITY (Visable or inferred from texture)

MATRIX POROSITY: slightly porous < 10%; porous 10-30%; Mixed porosity > 10%

VUGULAR POROSITY: isolated vugs < 10%; isolated vugs > 10%; Visibly interconnected vugs < 10%

CASING AND HOLE DATA

BIT SIZE	HOLE DEPTH	CASING SIZE	CASING SHOE
8 1/2"	128m	7"	124.5m
5 7/8"	586m		

STUCK PIPE HOLE PLUGGED & ABANDONED 16/5/88

DRILLING & CORING DATA | DRILLING RATE & DATA (MINS/M, M/HR) | CUTTINGS LITHOLOGY | DEPTH 1:500 | INTERPRETIVE FORMATION LOG | DITCH GAS CHROMATOGRAPHIC ANALYSIS (Methane C1, Ethane C2, Propane C3, Butane C4, Pentane C5; 100 ppm – 1000 ppm) | CUTTINGS GAS (Units) | OIL UV & TRICL Cut | LITHOLOGY DESCRIPTION MUD DATA & REMARKS

NB.1 5 7/8" HI VAREL open mode 41m in 10 hrs — 25/4/88 — 25/4/88 — 25/4/88

WOB 9-12, RPM 70, SPM 60, GPM 110, PP 50

NO GAS

SANDSTONE:wh,clr,f,sb rnd,wl srt,sil cmt,tr arg mtx IF,mod hd,p-mod por,n/s.

NO GAS

SANDSTONE:wh,clr,f,sb rnd,wl srt,sil cmt,rr lit,p-mod por,hd,n/s.

NO GAS

MUD DATA: W 8.7,V 35.

NB.2 5 7/8" VAREL 9537 open mode 201m in 43 Hr.

WOB 18, RPM 65, SPM 90, GPM 90, PP 50

NO GAS

SANDSTONE:clr,pred med sb rnd-rnd,wl srt,sli sil cmt,fri-lse,occ hd,gd por,n/s.

NO GAS

SANDSTONE:clr,vf-f,sb ang-sb rnd,mod srt,sil cmt IF,tr lit,fri-mod hd IF,mod por,n/s.

WOB 12-16, RPM 70, SPM 50, GPM 50, PP 100

CLAYSTONE:brk rd,rd brn,v sft,disp.

SANDSTONE:clr,f,sb rnd, sil cmt,fri,p por,n/s.

NO GAS

CLAYSTONE:brk rd,v sft disp,gy brn IF.

25/4/88 — 26/4/88 — 26/4/88

DS 0°

CARBIDE Peak % in gases

SANDSTONE:clr-lt brn, f,sb rnd,sil cmt,tr arg mtx,v dk gn chas? grs,mod hd,p por,n/s.

MUD DATA:W 9,V40,pH 8.

NO GAS

CLAYSTONE:gy,v sft,disp.

SANDSTONE:wh-off wh,gy gn,f-med,mod srt,ang-sb ang,strg sil cmt,tr lit,tr glauc,vp por, n/s.

CLAYSTONE:gy,lt gy,sft disp,stky.

NO GAS

SANDSTONE:a/a,;tr ovgths IF,hd,ti,n/s.

WOB 14, RPM 100, SPM 90, GPM 90, PP 100

DOLOMITE:lt brn,xln, v hd,brit.

SANDSTONE:clr-lt brn, vf,slty,sil cmt,dol IF hd,ti,n/s.

NO GAS

SHALE:dk gy gn,phyl, v mic,fiss,mod hd,

CLAYSTONE:lt gy,sft, disp.

SANDSTONE:v lt brn,occ gy gn,vf,sb ang,wl srt, sil cmt,dol IF,tr lit, tr glauc,hd,ti,n/s.

27/4/88 — 28/4/88

NO GAS

MUD DATA:W 9,V 37,pH 8

SANDSTONE:lt brn,f,med -crs IF,ang-sb rnd,p-mod srt,sil cmt,dol IF, tr lit,hd,ti,n/s.

DOLOMITE:lt brn,xln, v hd,sren IP.

NO GAS

SHALE:pred rd brn,sft, sb fiss,occ gy gn,mic, fiss,mod hd.

NB.3 5 7/8" SEC M-81 (5.0°)

WOB 14, RPM 80, SPM 34, GPM 90, PP 100

SANDSTONE:clr,wh,f,sb ang,mod srt,sil cmt, dol cmt IF,v dk gn chamosite? pel & grs, hd,ti,n/s.

NO GAS

CLAYSTONE:gy,lt gy, sft,disp.

SANDSTONE:a/s.

DS 1°

CLAYSTONE:gy,sft,disp.

28/4/88 — 28/4/88

SANDSTONE:lt gy,vf, slty,p srt,sil,dol,hd, ti,n/s.

NO GAS

DOLOMITE:lt brn,v hd, xln.

CLAYSTONE:gy-lt gy,v sft,disp,stky.

SANDSTONE:wh,vf-f,wl srt,sb ang-sb rnd,sil cmt,rg mtx,hd ti,n/s.

NO GAS

CLAYSTONE:lt gy,v sft, disp.

WOB 15, RPM 70, SPM 30, GPM 90, PP 140

MUD DATA: W 9.1,V 37, pH 7.

SANDSTONE:wh,vf-f,sb rnd,wl srt,sil cmt,tr arg mtx,blk chas? good hd,ti,n/s.

CLAYSTONE:gy,sft,v dis

SHALE:rd,dk gn,pk brn, mic,v fiss.

NO GAS

SANDSTONE:clr,lt brn, f,sil/dol cmt,hd,ti, n/s.

CLAYSTONE:lt gy,sft, disp.

SANDSTONE:lt brn,off wh,vf,wl srt,sil cmt, hd,ti,n/s.

DS 2°

CARBIDE Peak % in gases

DOLOMITE:v lt brn,off wh,xln,v hd,sren IP.

NO GAS

SANDSTONE:lt brn,off wh,vf sil cmt,sbrnd, sil cmt,tr arg,tr lit ,mod hd,v pr por,n/s.

DOLOMITE:v lt brn,off wh,xln,v hd,sren ,p.

CLAYSTONE:lt gy,v sft, disp,washes away.

DOLOMITE:a/a

SANDSTONE:lt yel/brn,v f g,wl srt,sbang,sil c-t,tr dol,rr liths. mod hd,n/s.

WOB 10, RPM 70, SPM 80, GPM 80, PP 90

SHALE:dk gn,dk gy/gn, micro-ice,slty I/p,v fi s,frm.

NO GAS

SANDSTONE:pa yell-clr, vf-f g,mod srt,sil/dol cmt,hd,v tight vis po -r.

CLAYSTONE:lt gy,disp, tr gn mic Shale.

SANDSTONE:v lt brn,vf - m g,mod srt,sbang-sbrnd,sil cmt-lt dol, hd,tight vis por,n/s. occ lse-fri.

CLAYSTONE:lt gy,v sft, disp,n/s.

DOLOMITE:lt brn,xln,v hd,rng,sli sren,grding to LIMESTONE,CALCARENITE & DOLARENITE.

LIMESTONE: h,rlky,lt gy,v h,xln,sn ,sren. CALCARENITE & DOLARENITE:wh-lt brn,xln,hd, sren i/p.

25/5/88 — 26/5/88

16/5/88 PLUG AND ABANDON PHILLIP No 1

PetNTcw 3026

ENCLOSURE 2

COMPANY	PACIFIC OIL & GAS	DEPTH LOGGED FROM	Surface
RIG	ROCKDRIL RIG 20	TO	1493.1m
WELL	PHILLIP 2	DATE LOGGED FROM	17/5/88
FIELD	WILDCAT	TO	29/6/88
COUNTRY	NORTHERN TERRITORY AUSTRALIA	ELEVATION G.L.	421m
CO-ORDINATES	22°16' 15"S 135°16' 15"E (12m N of Phillip 1)	R.T.	423.5m

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LITHOLOGY

SANDSTONE, LIMESTONE, LITHIC, GLAUCONITE, SILTSTONE, DOLOMITE, MICACEOUS, PYRITE, CLAYSTONE, DOLARENITE, DOLOMITIC, DOLOSILTITE, DOLOLUTITE, SHALE, CALCARENITE, CALCAREOUS, CALCISILTITE, CALCILUTITE, ANHYDRITE, SILICEOUS, CHERT

LOGGING ENGINEERS
1 S.WILLIAMSON
2
3
4

CHROMATOGRAPH	SHIMADZU F.I.D.
TOTAL GAS RECORDER	SHIMADZU F.I.D.
H_2S RECORDER	GENERAL MONITORS 2170

INSTRUMENTS CHECKED DAILY
24 HRS. LOGGING SERVICE
SCALE 1:500

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		

MUD TYPE Variable details specified in drilling rate column

POROSITY (Visible or inferred from texture)

CASING AND HOLE DATA

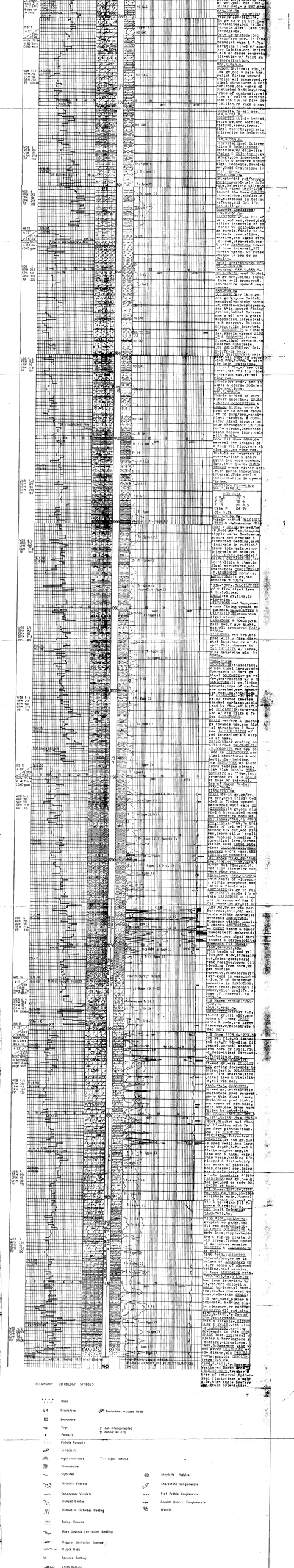
BIT SIZE	HOLE DEPTH	CASING SIZE	CASING SHOE
15.5"	6.5m	13 3/8"	N/A
12.25"	34 m	9 5/8"	N/A
8.5"	89 m	7"	88.14m
6.0"	685 m	5"	682.97m
4.33"	1493.1m		

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	

MATRIX POROSITY: slightly porous < 10%; porous 10-30%; Mixed porosity > 10%

VUGULAR POROSITY: Isolated vugs < 10%; Isolated vugs > 10%; Visibly interconnected vugs < 10%



SECONDARY LITHOLOGY SYMBOLS

Oids

Grainstone — Grainstone, includes Oids

Boundstone

Vugs — Non interconnected; Connected vug

Porosity

Probable Porosity

Intraclasts

Algal structures — Algal laminae

Stromatolite

Stylolites — Anhydrite Nodules

Stylolitic Breccia — Sharpstone Conglomerate

Compressed Veinlets — Flat Pebble Conglomerate

Slumped Bedding — Angular Quartz Conglomerate

Slumped or Disturbed Bedding — Breccia

Fining Upwards

Wavy Upwards Lenticular Bedding

Regular Lenticular laminae

Ripple Beds

Scoured Bedding

Cross Bedding