

PACIFIC OIL & GAS PTY LIMITED

WELL: ELLIOTT 1

STATUS: Plugged and Abandoned HOLE SIZE: 12 1/4" to 10m, 8 1/2" to 126m, 6" to 595m, 4.35" to 1729.20m CASING & TUBING DETAILS: 9 5/8" to 9.5m, 7" to 125.4m, 5" to 593.7m PERFORATIONS: Nil PLUGS: 1290 - 1245m 700 - 580m 50 - Surface All plugs neat Class "A" slurry.	OPERATOR: Pacific Oil & Gas Pty. Limited PARTICIPANTS: Pacific Oil & Gas Pty. Limited (100%) TENEMENT: EP33, Beetaloo SE5306, 1:250,000 LOCATION: Lat: 170°23'25.191" Long: 133°45'30.601" AMG: N 8 076 830.1 E 368 118.4 BASIN: McArthur Basin ELEVATION: 243.9 AHD (GL); 246.3 AHD (DF) SPUDDED: August 20th, 1991 RIG RELEASED: October 24th, 1991 RIG: Rig 20 DRILLING CONTRACTOR: Rockdril Contractors SEISMIC LINE: MA91-103, SP2100
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STRATIGRAPHY:

AGE	UNIT AND SUB-UNIT	KB (m)	MSL (m)	THICKNESS (m)
Tertiary/ Cretaceous	Undifferentiated	Surface	243.9	119
Cambrian	Jinduckin Formation	119	124.9	204.5
	Tindall Limestone	323.5	-79.6	200.5
Proterozoic	Jamison Sandstone	524	-220.33	140.73
	McMinn Formation - Kyalla Member	664.73	-361.06	657.55
	- Moroak Sandstone Member	1322.28	-1018.61	406.92
Total Depth (Driller)(m)		1729.20		
Total Depth (Logger) (m)		1729.28		

FORMATION TESTS:

CHOKE:

TEST	TIMES (min)				PRESSURES (psi)								RESULT
	PF	FSI	F	SSI	IHH	IPP	FPP	BP	IFP	FFP	FBP	FHH	
DST 1 787.54- 807.50	10	60	120	482	1208	59	31	534	25	35	629	1205	17.2L drilling mud
DST 2 1006.96-1029.30	16	60	60	181	1562	25	32	76	30	33	86	1565	6.0L drilling mud
DST 3 1101.35-1141.05	15	60	91	363	1692	96	90	308	88	100	1425	1682	15mL oil & 98.3L drilling mud
DST 4 1101.35-1141.05	15	60	540	16	-	36	38	144	40	62	-	1644	30.57L drilling mud
DST 5 1330.00-1349.30	15	60	83	420	1992	914	1081	1833	1132	1769	1833	1991	approx. 5200L highly saline formation water

PF: Preflow Period
 FSI: First Sheet In
 F: Flow Period
 SSI: Second Sheet In

IHH: Initial Hydrostatic Head
 IPP: Initial Preflow Pressure
 FPP: Final Preflow Pressure
 BP: Build Up Pressure

IFP: Initial Pressure
 FFP: Final Flow Pressure
 FBP: Final Build Up Pressure
 FHH: Hydrostatic Head

LOGS:

CORES:

TYPE LOG	RUN NO	INTERVAL (m)	DATE	NO	INTERVAL (m)	RECOVERY	NO	INTERVAL (m)	RECOVERY
SP-Dual Resistivity		1729-575	21/10/91		Hole continuously cored from 593.70m to T.D.				
Sonic		1729-575	21/10/91						
Gamma-Density-Neutron		1729-Surface	21/10/91						

CHEMICAL ANALYSIS (water, oil, gas)

Source Rock Analysis: 99 samples throughout cored section of well.

Reservoir Analysis: 82 samples throughout cored section of well.

Water Analysis: Samples from water bore, mud tanks and DST intervals.

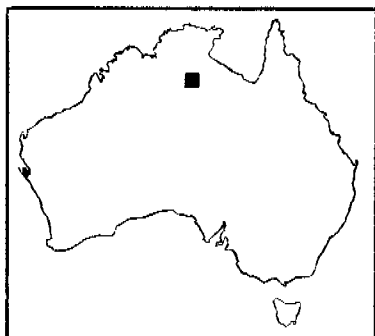
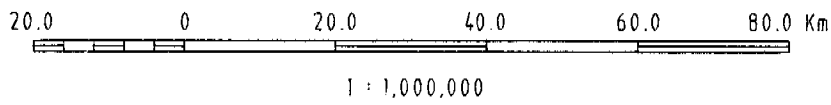
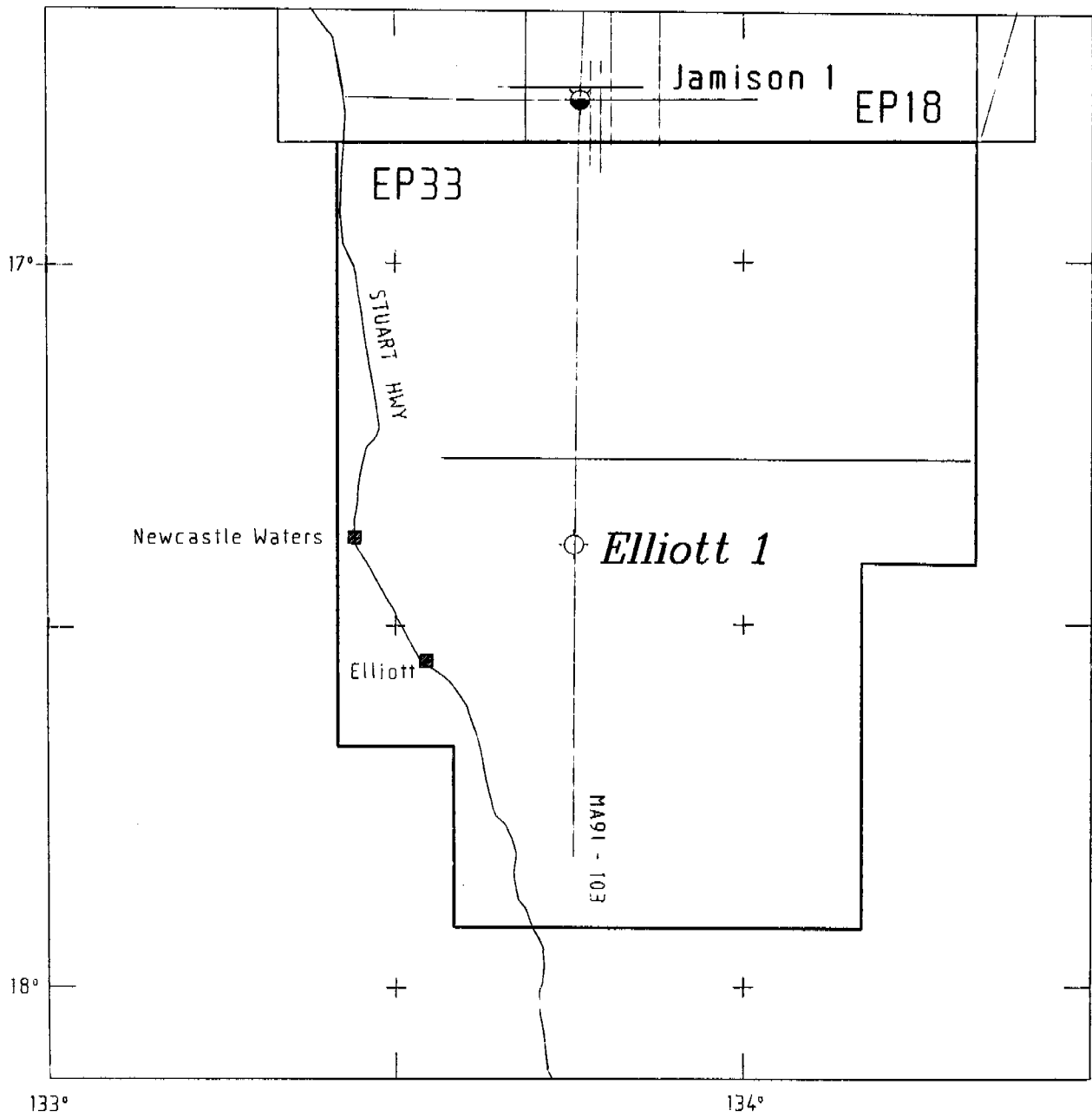
Gas Analysis: Samples from DST's 1, 2, 3, 4 and 5.

Oil Analysis: Samples extracted from DST liquids and from core samples.

SUMMARY & CONCLUSIONS:

After spudding in undifferentiated, Tertiary/Cretaceous sediments the Elliott 1 stratigraphic well penetrated a Cambrian section comprising the thick interval interbedded clastics and carbonates of the Jinduckin Formation and the massive carbonate of the Tindall Limestone. The Nutwood Downs Volcanics, Cox Formation and Bukalara Sandstone, were not present. These subdivisions are based on ROP changes during drilling and subsequent interpretation of downhole geophysical logs, as many zones of lost circulation were encountered. Proterozoic sediments were reached at 524m and current interpretation of this section is: Jamison Sandstone from 524-664.73m, a fine to very fine light grey sandstone with a basal conglomerate exhibiting a sharp planar basal contact. This overlies a 657.55m thick Kyalla Member of the McMinn Formation predominantly comprising grey to black silty mudstone with variable proportions of siltstone and fine sandstone interbeds. The proportion of these sandstone interbeds increases gradually from 1310m, providing a gradual transition to the underlying Moroak Sandstone Member. Below about 1428m, sub-intervals with thin silty mudstone interbeds start to appear, suggesting a possible very gradual transition to the "Upper" Velkerri Formation, and continuing until TD of 1729.20m. However due to the lack of an unequivocal point at which this transition could be said to terminate it was decided to include all of this section within the Moroak Sandstone Member. Elliott 1 confirmed the southward extension of the Roper Group section beneath the Phanerozoic cover. It identified a Cambrian section in which the basal volcanics appear to be absent and the Tindall Limestone is of similar thickness to that in Jamison 1, with a thicker overlying Jinduckin Formation. It confirmed the suitability of the Kyalla Member as a source rock in this area, and provided the thickest and coarsest Moroak Sandstone Member encountered yet. It has proven that the oil and gas reservoirs in Proterozoic sediments can be sufficiently sealed and preserved to warrant exploration targets.

WELLSITE Kevin Lanigan John Torkington GEOLOGIST: Shane Hibbird	CARD PREPARED BY: Lisa S. Ingram	APPROVED BY:	DATE:
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Pacific Oil & Gas Pty Limited			
McARTHUR BASIN			
EP33			
ELLIOTT 1			
WELL LOCATION MAP			
REF.	SD53,SE53	CHECKED	K.L.
SCALE	1:1000000	DRAFTING	C.H.
AUTHOR	K.P.L.	REPORT	304484
DATE	APRIL 92	PLAN No.	PetNTcw4581