

MACKEREL - 2

FORMATION TESTER RECOVERY DATA

FIT DATA

TEST No	1	RECOVERY DATA	TOOL DATA
TEST DEPTH	7892	Gas (Total) 7.8 cuft Condensate 0 cc Oil 5300 cc Water 14450 cc Mud 0 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.030</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 7.8 cuft	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 12500 ppm
Sampling	1060 psi	API Gravity 45.3 @ 60 °F	Rw @ °F
Sampling Time	11.5 min	GOR 2.34	Equivalent Cl ppm
Final Shut in	3500 psi	Water	REMARKS
Shut in Time	3.5 min	Rrf (Filtered) 0.394 @ 79 °F	<i>Seg #21</i>
Hydrostatic	4320 psi	Equivalent Cl 14000 ppm	
Surface Chamber	0 psi		

TEST No	2	RECOVERY DATA <i>Seg Main chamber</i>	TOOL DATA
TEST DEPTH	7905	Gas (Total) - cuft Condensate - cc Oil <i>Trace Trace</i> cc Water 2200 22000 cc Mud 0 0 cc Sand <i>Trace</i> cc	Type of tool <i>EIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.030</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 12500 ppm
Sampling	3500 psi	API Gravity @ °F	Rw @ °F
Sampling Time	57.8 min	GOR	Equivalent Cl ppm
Final Shut in	3500 psi	Water	REMARKS
Shut in Time	57.7 min	Rrf (Filtered) 0.352 @ 79 °F	
Hydrostatic	4310 psi	Equivalent Cl 14500 ppm	
Surface Chamber	0 psi		

TEST No	3	RECOVERY DATA	TOOL DATA
TEST DEPTH	7878	Gas (Total) - cuft Condensate - cc Oil - cc Water - cc Mud 18000 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.030</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 0 cuft	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	4200 psi	API Gravity @ °F	Rw @ °F
Sampling Time	3.8 min	GOR	Equivalent Cl ppm
Final Shut in	4190 psi	Water	REMARKS
Shut in Time	0.2 min	Rrf (Filtered) @ °F	<i>Mud Run</i>
Hydrostatic	4210 psi	Equivalent Cl	
Surface Chamber	0 psi		

TEST No	4	RECOVERY DATA	TOOL DATA
TEST DEPTH	7880	Gas (Total) 0 cuft Condensate 0 cc Oil 0 cc Water 0 cc Mud <i>did not measure</i> Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.030</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	4350 psi	API Gravity @ °F	Rw @ °F
Sampling Time	4 min	GOR	Equivalent Cl ppm
Final Shut in	- psi	Water	REMARKS
Shut in Time	- min	Rrf (Filtered) @ °F	<i>Mud Run</i>
Hydrostatic	4470 psi	Equivalent Cl	
Surface Chamber	0 psi		

TEST No	5	RECOVERY DATA	TOOL DATA
TEST DEPTH	7778	Gas (Total) 0 cuft Condensate 0 cc Oil 0 cc Water 0 cc Mud <i>Did not measure</i> Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	4070 psi	API Gravity @ °F	Rw @ °F
Sampling Time	2.5 min	GOR	Equivalent Cl ppm
Final Shut in	- psi	Water	REMARKS
Shut in Time	- min	Rrf (Filtered) @ °F	<i>Mud Run</i>
Hydrostatic	4170 psi	Equivalent Cl	
Surface Chamber	0 psi		

TEST No	6	RECOVERY DATA <i>Seg Main chamber</i>	TOOL DATA
TEST DEPTH	7592	Gas (Total) <i>seg</i> 0.5 2.7 cuft Condensate 0 0 cc Oil 310 2500 cc Water 210 4000 cc Mud 0 0 cc Sand 0 0 cc	Type of tool <i>EIT Combo</i> Type of Sample shot <i>HTF + 7" SC</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 2.7 cuft	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	300 psi	API Gravity 49.5 @ 60 °F	Rw @ °F
Sampling Time	3.6 min	GOR 1.63	Equivalent Cl ppm
Final Shut in	3340 psi	Water	REMARKS
Shut in Time	8.3 min	Rrf (Filtered) 0.6 @ 60 °F	<i>Seg #24</i>
Hydrostatic	4070 psi	Equivalent Cl 12000 ppm	
Surface Chamber	0 psi		

TEST No	7	RECOVERY DATA	TOOL DATA
TEST DEPTH	7842	Gas (Total) 7.4 cuft Condensate 0 cc Oil 4250 cc Water 16500 cc Mud 0 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 7.4 cuft	Rmf 0.443 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	3600 psi	API Gravity 45.6 @ 60 °F	Rw @ °F
Sampling Time	57.13 min	GOR 2.75	Equivalent Cl ppm
Final Shut in	3600 psi	Water	REMARKS
Shut in Time	57.7 min	Rrf (Filtered) 0.63 @ 61 °F	<i>Lost seal before Seg was sealed. Seg #27</i>
Hydrostatic	4510 psi	Equivalent Cl 11000 ppm	
Surface Chamber	175 psi		

TEST No	8	RECOVERY DATA	TOOL DATA
TEST DEPTH	7758	Gas (Total) 17.4 cuft Condensate 0 cc Oil 13250 cc Water 5750 cc Mud 0 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HFE</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas	Rmf 0.44 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	2680 psi	API Gravity 48.5 @ 60 °F	Rw @ °F
Sampling Time	1.6 min	GOR 2.00	Equivalent Cl ppm
Final Shut in	3330 psi	Water	REMARKS
Shut in Time	6.5 min	Rrf (Filtered) 0.59 @ 59 °F	<i>#15</i>
Hydrostatic	4130 psi	Equivalent Cl 18000 ppm	
Surface Chamber	200 psi		

TEST No	9	RECOVERY DATA	TOOL DATA
TEST DEPTH	7627	Gas (Total) 22.1 cuft Condensate 0 cc Oil 19000 cc Water 750 cc Mud 0 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas	Rmf 0.44 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl 14500 ppm
Sampling	3410 psi	API Gravity 50 @ 60 °F	Rw @ °F
Sampling Time	14.5 min	GOR 1.85	Equivalent Cl ppm
Final Shut in	3600 psi	Water	REMARKS
Shut in Time	6 min	Rrf (Filtered) 1.3 @ 60 °F	<i>#26</i>
Hydrostatic	4400 psi	Equivalent Cl 5500 ppm	
Surface Chamber	200 psi		

TEST No	10	RECOVERY DATA	TOOL DATA
TEST DEPTH	7860	Gas (Total) 0.7 cuft Condensate 0 cc Oil 250 cc Water 17500 cc Mud 0 cc Sand 0 cc	Type of tool <i>FIT Combo</i> Type of Sample shot <i>HTF + 7" SC</i> Sample Unit size <i>22165</i> cc Choke size <i>0.020</i>
OPEN HOLE TEST	X		
CASED HOLE TEST			
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 0.6 cuft	Rmf 0.44 @ B3 °F
Shut in Time	- min	Oil	Equivalent Cl ppm
Sampling	440 psi	API Gravity 43.6 @ 60 °F	Rw @ °F
Sampling Time	4.5 min	GOR	Equivalent Cl ppm
Final Shut in	3850 psi	Water	REMARKS
Shut in Time	3.5 min	Rrf (Filtered) 0.51 @ 58 °F	
Hydrostatic	4380 psi	Equivalent Cl 14100 ppm	
Surface Chamber	180 psi		

COMPANY *ESSO Australia Ltd*
 WELL *Mackerel #2*
 FIELD *Mackerel*
 COUNTRY *Australia STATE Victoria*

SCHLUMBERGER
FORMATION TESTER
 DEPT. NAT. RES. & ENV. PE904979