

KINGFISH - 3

FORMATION TESTER RECOVERY DATA

FIT DATA

IN W.C.P.

TEST No.	ONE	RECOVERY DATA	TOOL DATA
TEST DEPTH	7617	Gas (Total) — cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>Tube follower</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>20500</u> cc
		Water <u>19300</u> cc	Choke size <u>4 X 0.015</u>
		Mud <u>500</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in — psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time — min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>3175</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>356</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3390</u> psi		Water —	
Shut in Time <u>6.3</u> min		Rrf (Filtered) <u>0.70 @ 77</u> °F	REMARKS <u>Q = 9.3. K = 7 md.</u>
Hydrostatic <u>4430</u> psi		Equivalent Cl <u>7800</u> ppm	<u>8% Formation water</u>
Surface Chamber <u>300</u> psi			<u>Water production Reverse fire</u>

TEST No.	ONE	RECOVERY DATA	TOOL DATA
TEST DEPTH	7617	Gas (Total) — cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>Tube follower</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>2250</u> cc
		Water <u>2250</u> cc	Choke size <u>None</u>
		Mud <u>0</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in — psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time — min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>200</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>24 sec</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3390</u> psi		Water —	
Shut in Time <u>5.5</u> min		Rrf (Filtered) <u>0.43 @ 81</u> °F	REMARKS <u>Q = 9.4 cc/s. K = 4.6</u>
Hydrostatic <u>4430</u> psi		Equivalent Cl <u>13000</u> ppm	<u>22% Formation wa.</u>
Surface Chamber <u>0</u> psi			<u>Water production</u>

TEST No.	TWO	RECOVERY DATA	TOOL DATA
TEST DEPTH	7600	Gas (Total) <u>6.9</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate <u>0</u> cc	Type of Sample shot <u>Tube follower</u>
CASED HOLE TEST		Oil <u>4800</u> cc	Sample Unit size <u>10250</u> cc
		Water + Mud <u>3000</u> cc	Choke size <u>4 X 0.015</u>
		Mud <u>0</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in — psi		Free Gas <u>6.9</u> cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time — min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>3300</u> psi		API Gravity <u>46.8 @ 60</u> °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>19.7</u> min		GOR <u>228</u>	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3410</u> psi		Water —	
Shut in Time <u>4.1</u> min		Rrf (Filtered) <u>1.04 @ 86</u> °F	REMARKS <u>Q = 8.7 cc/s. JFT = 0.029.</u>
Hydrostatic <u>4450</u> psi		Equivalent Cl <u>4600</u> ppm	<u>K = 14.6 md.</u>
Surface Chamber <u>225</u> psi			<u>Oil production Reverse fire.</u>

TEST No.	THREE	RECOVERY DATA	TOOL DATA
TEST DEPTH	7550	Gas (Total) <u>0</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate <u>0</u> cc	Type of Sample shot <u>2 X 1/8"</u>
CASED HOLE TEST		Oil <u>0</u> cc	Sample Unit size <u>20500</u> cc
		Water <u>20500</u> cc	Choke size <u>4 X 0.015</u>
		Mud <u>0</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in <u>3300</u> psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time <u>5</u> min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>2590</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>41</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3290</u> psi		Water —	
Shut in Time <u>9</u> min		Rrf (Filtered) <u>1.27 @ 82</u> °F	REMARKS <u>Q = 8.3 cc/s. JFT = 0.0045.</u>
Hydrostatic <u>4350</u> psi		Equivalent Cl <u>4000</u> ppm	<u>K = 1.9 md.</u>
Surface Chamber <u>400</u> psi			<u>Oil production</u>

TEST No.	FOUR	RECOVERY DATA	TOOL DATA
TEST DEPTH	7576	Gas (Total) <u>0</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate <u>0</u> cc	Type of Sample shot <u>2 X 1/8" SC</u>
CASED HOLE TEST		Oil <u>0</u> cc	Sample Unit size <u>20500</u> cc
		Water <u>0</u> cc	Choke size <u>4 X 0.015</u>
		Mud <u>0</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in <u>3355</u> psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time <u>4</u> min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling — psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time — min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in — psi		Water —	
Shut in Time — min		Rrf (Filtered) — °F	REMARKS <u>Lost packer sect.</u>
Hydrostatic <u>4420</u> psi		Equivalent Cl — ppm	
Surface Chamber <u>0</u> psi			

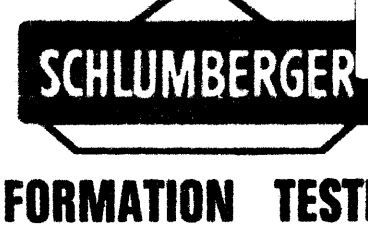
TEST No.	FIVE	RECOVERY DATA	TOOL DATA
TEST DEPTH	7481	Gas (Total) <u>0.33</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>2 X 1/8" SC</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>20500</u> cc
		Water <u>290</u> cc	Choke size <u>4 X 0.015</u>
		Mud — cc	
		Sand — cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in <u>3390</u> psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time <u>30</u> min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>220</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>20</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>150</u> psi		Water —	
Shut in Time <u>16.5</u> min		Rrf (Filtered) <u>0.90 @ 74</u> °F	REMARKS <u>Q = 0.24 JFT = 0.00003</u>
Hydrostatic <u>4430</u> psi		Equivalent Cl <u>6500</u> ppm	<u>K = 0.0018 md.</u>
Surface Chamber <u>0</u> psi			<u>Tight.</u>

TEST No.	FIVE	RECOVERY DATA	TOOL DATA
TEST DEPTH	7481	Gas (Total) <u>0</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>2 X 1/8" SC</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>2250</u> cc
		Water <u>100</u> cc	Choke size <u>None</u>
		Mud — cc	
		Sand — cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in — psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time — min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>90</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>15</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>150</u> psi		Water —	
Shut in Time <u>16.5</u> min		Rrf (Filtered) <u>0.64 @ 74</u> °F	REMARKS <u>Q = 0.11. JFT = 0.000013.</u>
Hydrostatic <u>4430</u> psi		Equivalent Cl <u>9000</u> ppm	<u>K = 0.0055.</u>
Surface Chamber <u>0</u> psi			<u>Tight.</u>

TEST No.	SIX	RECOVERY DATA	TOOL DATA
TEST DEPTH	7574	Gas (Total) <u>0.55</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>2 X 1/8" SC</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>20500</u> cc
		Water <u>20500</u> cc	Choke size <u>4 X 0.015</u>
		Mud <u>0</u> cc	
		Sand <u>0</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in <u>3360</u> psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time <u>1.5</u> min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling <u>3340</u> psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>3.7</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3350</u> psi		Water —	
Shut in Time — min		Rrf (Filtered) <u>1.25 @ 77</u> °F	REMARKS <u>Q = 9.25. JFT = 106.</u>
Hydrostatic <u>4320</u> psi		Equivalent Cl <u>4400</u> ppm	<u>K = 50 md.</u>
Surface Chamber <u>200</u> psi			<u>Oil production.</u>

TEST No.	SIX	RECOVERY DATA	TOOL DATA
TEST DEPTH	7574	Gas (Total) <u>0.13</u> cuft	Type of tool <u>FIT</u>
OPEN HOLE TEST	x	Condensate — cc	Type of Sample shot <u>2 X 1/8" SC</u>
CASED HOLE TEST		Oil — cc	Sample Unit size <u>2250</u> cc
		Water <u>1950</u> cc	Choke size <u>None</u>
		Mud <u>0</u> cc	
		Sand <u>300</u> cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in — psi		Free Gas — cuft	Rmf <u>0.52 @ 175</u> °F
Shut in Time — min		Oil — cc	Equivalent Cl <u>4600</u> ppm
Sampling — psi		API Gravity — °F	Rw <u>0.07 @ 175</u> °F
Sampling Time <u>4 sec</u> min		GOR —	Equivalent Cl <u>42000</u> ppm
Final Shut in <u>3350</u> psi		Water —	
Shut in Time <u>3</u> min		Rrf (Filtered) <u>1.28 @ 78</u> °F	REMARKS <u>Q = 4.88. JFT = 0.57. K = 25.</u>
Hydrostatic <u>4320</u> psi		Equivalent Cl <u>4100</u> ppm	<u>Oil production.</u>
Surface Chamber <u>400</u> psi			

COMPANY ESSO STANDARD Oil Aust.
 WELL KINGFISH C1
 FIELD WILDCAT
 COUNTRY Australia STATE Victoria (Offshore)



FORMATION TESTER