

DOLPHIN - 1.

FORMATION TESTER RECOVERY DATA

FIT DATA

X

TEST No	1	RECOVERY DATA	TOOL DATA
TEST DEPTH	4074	Gas (Total) 0.10 cuft	Type of tool FIM-A
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot 2 Follower packer
CASED HOLE TEST		Oil - cc	Sample Unit size 20,500 cc
		Water 20,000 cc	Choke size 4 X 0.015
		Mud 500 cc	
		Sand trace cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas - cuft	Rmf 0.51 @ 135 °F
Shut in Time	- min	Oil - cc	Equivalent Cl 6,000 ppm
Sampling	1920 psi	API Gravity - °F	Rw 0.50 @ 135 °F
Sampling Time	73 min	GOR -	Equivalent Cl 10,000 ppm
Final Shut in	1920 psi	Water - cc	REMARKS "REVERSE FIRE"
Shut in Time	12 min	Rrf (Filtered) 0.76 @ 135 °F	
Hydrostatic	2450 psi	Equivalent Cl 4,000 ppm	
Surface Chamber	400 psi		

TEST No	2	RECOVERY DATA	TOOL DATA
TEST DEPTH	4052	Gas (Total) - cuft	Type of tool FIM-A
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot 2 Follower packer
CASED HOLE TEST		Oil - cc	Sample Unit size 20,500 cc
		Water - cc	Choke size 4 X 0.015
		Mud 600 cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas - cuft	Rmf 0.51 @ 135 °F
Shut in Time	- min	Oil - cc	Equivalent Cl 6,000 ppm
Sampling	- psi	API Gravity - °F	Rw ? @ °F
Sampling Time	22 min	GOR -	Equivalent Cl ? ppm
Final Shut in	- psi	Water - cc	REMARKS "REVERSE FIRE"
Shut in Time	4 min	Rrf (Filtered) - °F	Impermeable zone
Hydrostatic	2440 psi	Equivalent Cl - ppm	tested.
Surface Chamber	0 psi		

TEST No	3	RECOVERY DATA *	TOOL DATA
TEST DEPTH	4000	Gas (Total) 12.1 cuft	Type of tool FIM-A
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot 2 Follower packer
CASED HOLE TEST		Oil 11,600 cc	Sample Unit size 20,500 cc
		Water 1,750 cc	Choke size 4 X 0.015
		Mud - cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 12.1 cuft	Rmf 0.51 @ 135 °F
Shut in Time	- min	Oil - cc	Equivalent Cl 6,000 ppm
Sampling	1480 psi	API Gravity 46.8 @ 60 °F	Rw ? @ °F
Sampling Time	63 min	GOR 170	Equivalent Cl ? ppm
Final Shut in	1860 psi	Water - cc	REMARKS Client filled also
Shut in Time	30 min	Rrf (Filtered) - °F	4 liter container
Hydrostatic	2350 psi	Equivalent Cl - ppm	"REVERSE FIRE"
Surface Chamber	200 psi		

TEST No	4	RECOVERY DATA	TOOL DATA
TEST DEPTH	4055	Gas (Total) - cuft	Type of tool FIM-A
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot 2 Follower packer
CASED HOLE TEST		Oil - cc	Sample Unit size 20,500 cc
		Water 12,000 cc	Choke size 4 X 0.015
		Mud 500 cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas - cuft	Rmf 0.51 @ 135 °F
Shut in Time	- min	Oil - cc	Equivalent Cl 6,000 ppm
Sampling	1870 psi	API Gravity - °F	Rw ? @ °F
Sampling Time	88 min	GOR -	Equivalent Cl ? ppm
Final Shut in	1870 psi	Water - cc	REMARKS "REVERSE FIRE"
Shut in Time	10 min	Rrf (Filtered) 2.68 @ 70 °F	
Hydrostatic	2320 psi	Equivalent Cl 2,500 ppm	
Surface Chamber	- psi		

TEST No	ONE	RECOVERY DATA	TOOL DATA
TEST DEPTH	4031	Gas (Total) - cuft	Type of tool FIT
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot -
CASED HOLE TEST		Oil - cc	Sample Unit size 20,500 cc
		Water 20,000 cc	Choke size 4 X 0.015
		Mud 500 cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas - cuft	Rmf @ °F
Shut in Time	- min	Oil - cc	Equivalent Cl ppm
Sampling	1430 to 1420 psi	API Gravity - °F	Rw 0.60 @ 135 °F
Sampling Time	59 min	GOR -	Equivalent NaCl 5100 ppm
Final Shut in	1830 psi	Water - cc	REMARKS Rmf 0.70 @ 72 ° 8000 PPM.
Shut in Time	15 min	Rrf (Filtered) 1.05 @ 63 °F	To Rmf. 1.12 @ 62 ° 6000 PPM.
Hydrostatic	2400 psi	Equivalent NaCl 6500 ppm	K = 3 md Water Production
Surface Chamber	300 psi		

TEST No	TWO	RECOVERY DATA	TOOL DATA
TEST DEPTH	4025	Gas (Total) - cuft	Type of tool FIT
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot Tubefollower.
CASED HOLE TEST		Oil - cc	Sample Unit size 20,500 cc
		Water - cc	Choke size 4 X 0.015
		Mud 2000 cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas - cuft	Rmf @ °F
Shut in Time	- min	Oil - cc	Equivalent Cl ppm
Sampling	0 psi	API Gravity - °F	Rw 0.60 @ 135 °F
Sampling Time	25 min	GOR -	Equivalent NaCl 5100 ppm
Final Shut in	- psi	Water - cc	REMARKS Seal valve failure.
Shut in Time	- min	Rrf (Filtered) ? °F	Rrf Mud.
Hydrostatic	2450 psi	Equivalent Cl ppm	Lack of Sampling Pressure.
Surface Chamber	- psi		

TEST No	THREE	RECOVERY DATA	TOOL DATA
TEST DEPTH	4027	Gas (Total) 6.7 cuft	Type of tool FIT
OPEN HOLE TEST	X	Condensate - cc	Type of Sample shot Tubefollower.
CASED HOLE TEST		Oil 5470 cc	Sample Unit size 20,500 cc
		Water 6750 cc	Choke size 4 X 0.015
		Mud 500 cc	
		Sand - cc	
PRESSURE DATA		RECOVERY ANALYSIS	MUD FILTRATE DATA
Initial Shut in	- psi	Free Gas 6.3 cuft	Rmf @ °F
Shut in Time	- min	Oil - cc	Equivalent Cl ppm
Sampling	1620 psi	API Gravity 48.8 @ 00 °F	Rw 0.60 @ 135 °F
Sampling Time	55.5 min	GOR 190	Equivalent NaCl 5100 ppm
Final Shut in	1790 psi	Water - cc	REMARKS Transferred 6250 CL.
Shut in Time	15.5 min	Rrf (Filtered) 0.99 @ 80 °F	Hydrocarbon. Low watercut.
Hydrostatic	2430 psi	Equivalent NaCl 5200 ppm	K = 9
Surface Chamber	400 psi		5 BOPD/ft.

COMPANY ESSO STANDARD OIL AUST

WELL DOLPHIN A1

FIELD WILDCAT

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