

TXU Underground Gas Storage Pty Ltd

Well Iona-1 8:00 to 11:00 7-Dec-03 Report 1

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
8:00	PTW & JSA	NA	NA	NA
8:03	Install Vam x Bowen X-over			
9:00	RU WL Lubricator - SIWHP 1512psi			
9:30	RIH 2.30" drift			
10:00	Tag @ 4298' KB			
10:30	RD WL			
11:00	Stop SL operations			
	Total	NA	NA	NA

BHA	NA
Notes	
Weather	Fine
Supervisor	Greg Hogan

TXU Underground Gas Storage Pty Ltd

Well Iona-1 15:30 to 18:00 8-Dec-03 Report 2

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
15:30	Arrive on location and commence CT rigup	NA	NA	NA
18:00	Stop operations			
	Total	NA	NA	NA

BHA	NA
Notes	
Weather	Fine
Supervisor	Greg Hogan

TXU Underground Gas Storage Pty Ltd

Well **Iona-1** 7:00 to 18:00 9-Dec-03 Report 3

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
7:00	Arrive on location and continue CT rigup	NA	NA	NA
8:00	Make up connector			
8:40	Pull test connector to 10000 lbf			
9:00	Make up BHA			
9:11	Function test BOPs			
9:14	Stab injector			
10:05	Pressure test flare line and surface lines (500 psi, 3000 psi)			
10:47	Open LMV & UMW. SIWHP 1539 psi. RIH			
11:20	Open WV and flare at 5mmscfd			
11:38	Start pumping N2 @ 300 scfm, surfactant fluid @ 0.25 bpm			
12:13	Stop pumping for dry tag			
12:17	Tag fill @ 4299 ft.			
12:35	Unable to wash past 4308.7'. POOH			
14:46	Tag stripper @ surface then close WV, UMW & LMV			
17:03	Make up Jet Blaster tool			
17:16	Function test Jet Blaster			
18:00	Stop operations - too dark for CT RIH			
	Total	NA	NA	NA

BHA	Wash nozzle		
Notes			
Weather	Cloudy & cool	Supervisor	Greg Hogan

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Well **Iona-1** 7:00 to 19:00 10-Dec-03 Report 4

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
7:00	Arrive on location. Change BHA to Weatherford PDM	NA	NA	NA
8:10	Pull test connector to 10000 lbf			
8:30	Function test PDM. Found not functional			
9:00	Change BHA to Jet Blaster and function test			
9:15	Pressure test (500 psi, 3000 psi)			
9:30	Open UMW & LMV. SIWHP 1509 psi. RIH			
9:45	Open WV and flare at 5mmscfd			
9:50	Start pumping N2 @ 300 scfm, surfactant fluid @ 0.25 bpm			
10:35	Increase rates to 400 scfm and 0.75 bpm			
10:40	Tag fill @ 4311'KB			
11:30	POOH above perms. Stop fluid and lift well with 400 scfm N2			
12:15	Tag stripper @ surface then close WV, UMW & LMV			
12:30	Rig equipment down to move to Iona 2			
19:00	Stop operations			
Total		NA	NA	NA

BHA	JetBlaster rotating head BHA		
Notes	Suspect that PivotGun debris is fouling JetBlaster BHA		
Weather	Fine	Supervisor	Greg Hogan

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Well Iona-1 14:30 to 19:00 17-Dec-03 Report 5

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
14:45	JSA			
15:00	RU WL Lubricator			
15:15	RIH 2.19" drift			
15:30	Tag @ 4308' KB & POOH			
15:45	RD WL & commence RU CT			
19:00	Stop Operations			
	Total	NA	NA	NA

BHA	NA
Notes	
Weather	Fine
Supervisor	Greg Hogan

TXU Underground Gas Storage Pty Ltd

Well Iona-1 6:00 to 19:00 18-Dec-03 Report 6

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
6:00	Arrive on location and continue CT rigup	NA	NA	NA
9:50	Pull test CT connector 24000 lbf			
10:05	MU 2-1/8 PDM & 2.14" 3 blade flat bottom junk mill BHA			
10:30	Pressure test (500 psi, 3000 psi)			
10:47	Open LMV & UMW. SIWHP 1515 psi. RIH			
11:38	Tag @ 4312 ft.			
11:39	Open WV and flare at 5mmscfd			
11:40	Start pump 0.75 bpm fluid and begin milling			
12:23	Max depth 4352.2 ft. Pickup into tailpipe			
12:30	Stop CT. Start N2 300 scfm, 0.5 bpm fluid			
12:57	Stop N2, increase fluid to 0.75 bpm			
13:03	Max depth 4352.8 ft. Wait for fluid to reach bit			
13:42	Pickup from 4390 ft. Drag on bit 10,000lb			
13:46	Cool down N2			
13:57	Pump N2 @ 400 scfm. Fluid @ 0.5 bpm			
13:59	Mill and clean to 4430 ft. Pickup into tailpipe			
14:06	RIH back to 4430 ft., circ bottoms up (30 min)			
14:48	POOH to 4300 ft.			
14:51	Stop pumping fluid, increase N2 to 500 scfm			
14:54	RIH to bottom, pump N2 for 10 mintues on bottom			
15:17	POOH to surface			
15:37	Dry gas returns @ surface, stop pumping N2			
16:00	Tag stripper @ surface then close WV, UMW & LMV			
16:15	Commence RD CT			
16:45	RU WL Lubricator			
17:10	RIH 2.19" drift			
17:25	Tag @ 4462' KB @ POOH			
17:45	RD WL			
19:00	Stop operations			
	Total	NA	NA	NA

BHA	2-1/8 PDM & 2.14" 3 blade flat bottom junk mill
Notes	Mill only made progress against hard fill when pumping fluid. We started milling with fluid then swapped to foam to minimize potential sandface damage as fluid filled the annulus.Foam appeared to deliver insufficient torque to mill PivotGun debris ad we swapped back to fluid to complete the milling. SL tagged 30' lower than lowest CT depth. I suspect that PivotGun debris had bridged sufficiently in several places to prevent the passage of sand. SLB-CT, Expertest & Weatherford were released at the end of the day.
Weather	Fine
Supervisor	Greg Hogan

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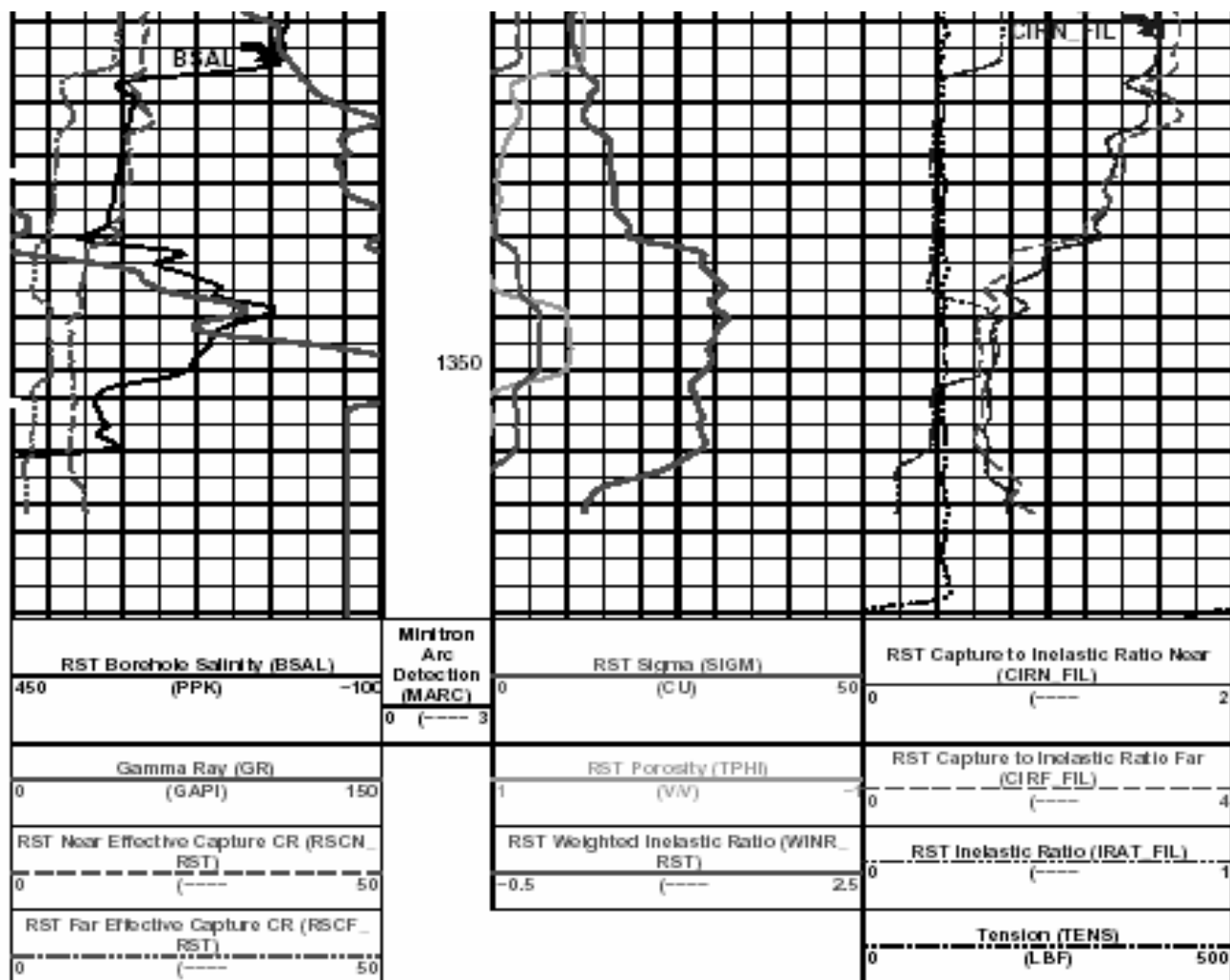
Well Iona-1 7:00 to 19:00 19-Dec-03 Report 7

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
7:00	RU SLB-Logging unit			
09:45	MU RST-Quartz Gauge logging tool			
10:00	Pressure test lubricator to 2000psi			
10:15	RIH			
11:45	Correlate against open hole logs & tag @ 1358.3mm (4456.3')			
14:00	POOH			
14:30	RD SLB-Logging unit & continue RD CT			
19:00	Stop operations			
	Total	NA	NA	NA

BHA	NA
Notes	Estimate fluid top at 1339m (4393') from RST log which is well below the lowest perforations. RST log quality deemed acceptable as character is very similar to previous RST log. SLB-logging were released at the end of the day.
Weather	Cloudy & cool
Supervisor	Greg Hogan

Static	1340m	1310m	1297m	1275m	1250m	1000m	500m	Lub
Gradient	1724.2psi	1703.9psi	1700.7psi	1697.7psi	1694.7psi	1662.6psi	1596.9psi	1525.7psi



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Well Iona-1 7:00 to 18:00 20-Dec-03 Report 8

Depth Ref Tbg Spool 16.1' KB 3.2808'/m \$0.74/A\$

Time	Operation	Costs	Daily	Cumulative
7:00	Continue to RD CT & SLB-logging	NA	NA	NA
10:00	Demob x-overs and other TXU equipment to drilling container			
18:00	Stop operations			
	Total	NA	NA	NA

BHA	NA
Notes	
Weather	Fine
Supervisor	Greg Hogan