

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmidt
 PO Box 47
 Great Bend, Ks 67530
 ATTN: Jamie Hess

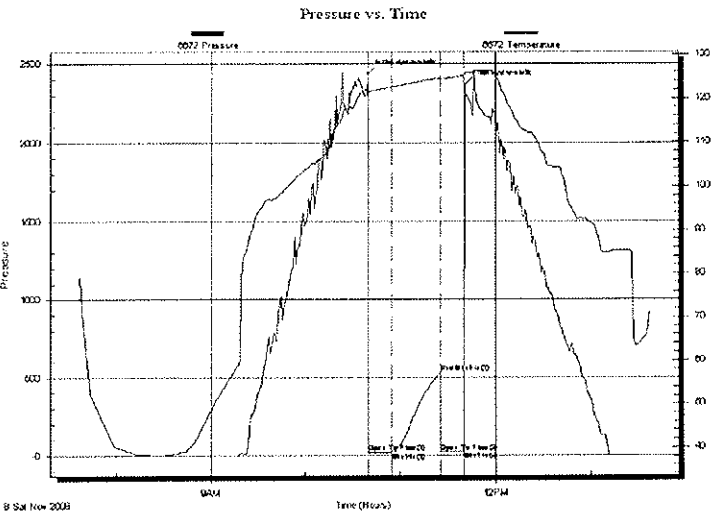
Goebel #2
1-22s-24w/Hodgeman
 Job Ticket: 34706 **DST#: 1**
 Test Start: 2008.11.08 @ 07:36:32

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 10:40:17
 Tester: Tyson Flax
 Time Test Ended: 13:38:17
 Unit No: 44
 Interval: **4636.00 ft (KB) To 4688.00 ft (KB) (TVD)**
 Reference Elevations: 2432.00 ft (KB)
 Total Depth: 4688.00 ft (KB) (TVD)
 2427.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GRVCF: 5.00 ft

Serial #: 6672 Inside
 Press@RunDepth: 21.49 psig @ 4643.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.11.08 End Date: 2008.11.08 Last Calib.: 2008.11.08
 Start Time: 07:36:33 End Time: 13:38:17 Time On Btm: 2008.11.08 @ 10:40:02
 Time Off Btm: 2008.11.08 @ 11:41:02

TEST COMMENT: IFF-Weak surface blow built to 1"
 IS-no blow back
 FFP-Weak surface blow died in 7 min
 FSI-pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2439.98	122.07	Initial Hydro-static
1	18.25	120.95	Open To Flow (1)
16	21.49	122.52	Shut-In(1)
46	529.25	124.61	End Shut-In(1)
46	22.24	124.22	Open To Flow (2)
61	23.08	125.13	Shut-In(2)
61	2365.75	125.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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 Job Ticket: 34706 **DST#: 1**
 Test Start: 2008.11.08 @ 07:36:32

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

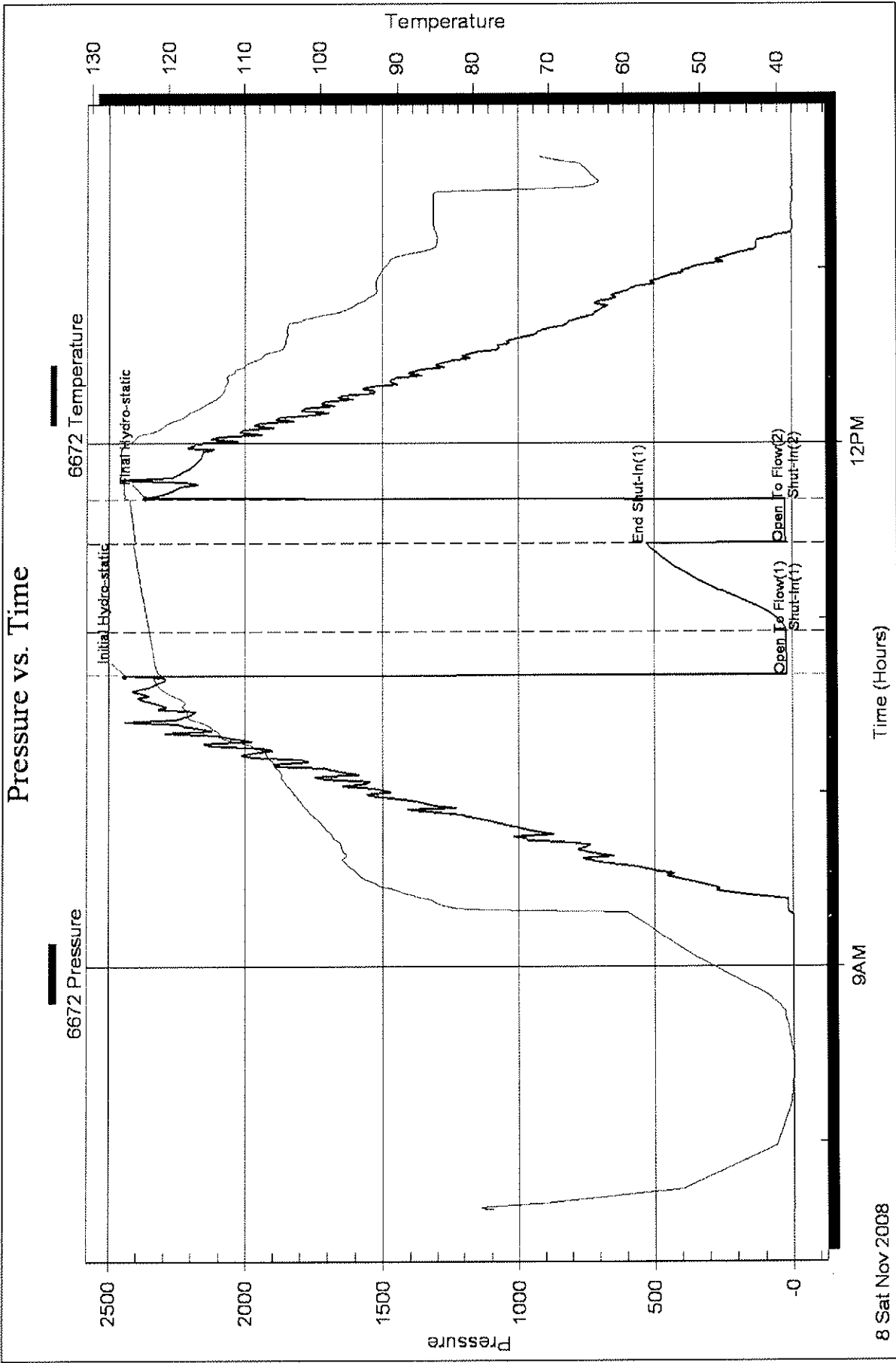
Recovery Information

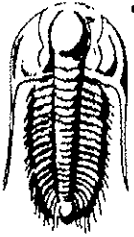
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





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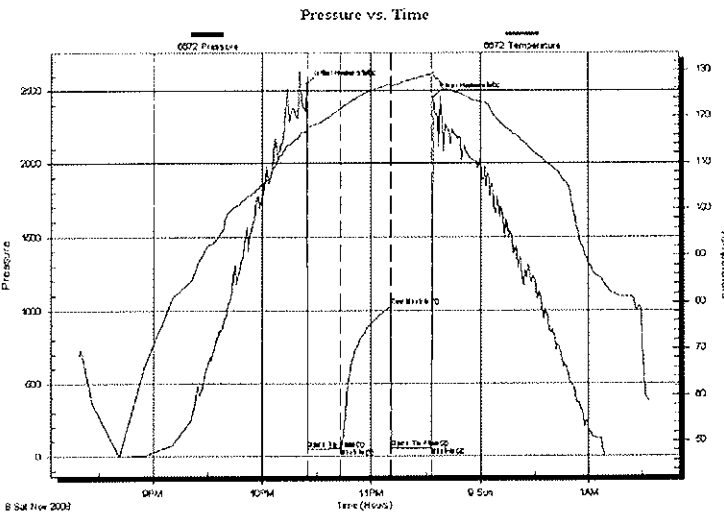
Goebel #2
1-22s-24w/Hodgeman
 Job Ticket: 34707 **DST#: 2**
 Test Start: 2008.11.08 @ 20:18:40

GENERAL INFORMATION:

Formation: **MISS**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 22:25:25 Tester: Tyson Flax
 Time Test Ended: 01:34:25 Unit No: 44
 Interval: **4685.00 ft (KB) To 4695.00 ft (KB) (TVD)** Reference Elevations: 2432.00 ft (KB)
 Total Depth: 4695.00 ft (KB) (TVD) 2427.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6672 Inside
 Press@RunDepth: 1022.71 psig @ 4686.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.11.08 End Date: 2008.11.09 Last Calib.: 2008.11.09
 Start Time: 20:18:41 End Time: 01:34:25 Time On Btm: 2008.11.08 @ 22:24:40
 Time Off Btm: 2008.11.08 @ 23:33:40

TEST COMMENT: IFP-Weak surface blow built to 1"
 ISI-nio blow back
 FFP-Weak surface blow throughout
 FSI-pulled test



PRESSURE SUMMARY

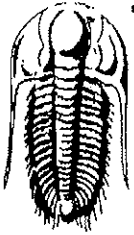
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2545.26	117.03	Initial Hydro-static
1	49.71	117.36	Open To Flow (1)
19	52.96	121.58	Shut-In(1)
46	1022.71	127.09	End Shut-In(1)
46	56.43	126.38	Open To Flow (2)
69	60.15	129.27	Shut-In(2)
69	2452.68	129.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.30
5.00	OCM 10%O,90%M	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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ATTN: Jamie Hess

Goebel #2
1-22s-24w/Hodgeman
Job Ticket: 34707 **DST#: 2**
Test Start: 2008.11.08 @ 20:18:40

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud	0.295
5.00	OCM 10%O,90%M	0.025

Total Length: 65.00 ft Total Volume: 0.320 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 64

Serial #: 6672

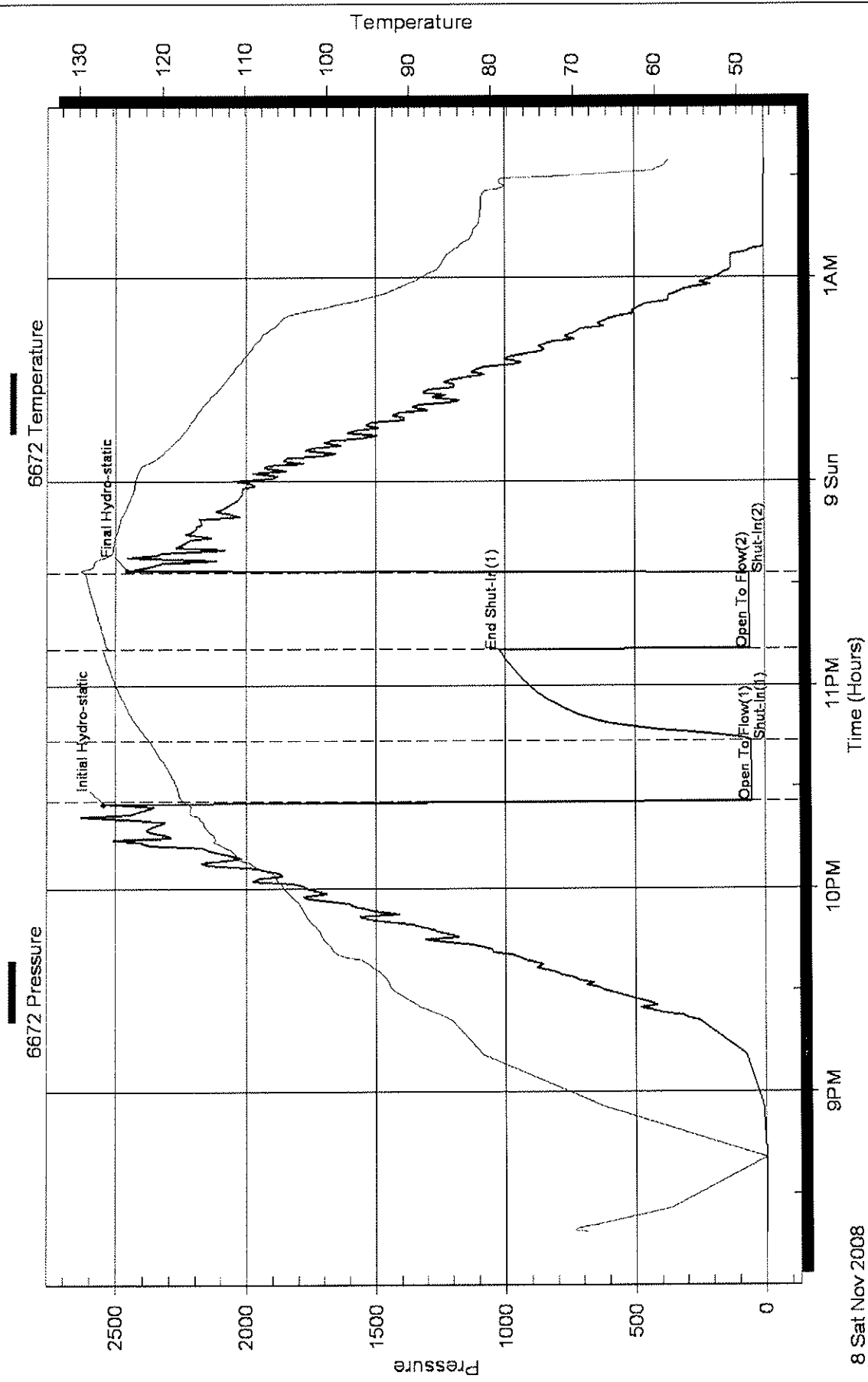
Inside

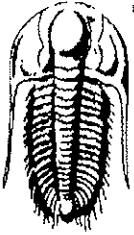
Carmen Schmidt

1-22s-24w /Hodgeman

DST Test Number: 2

Pressure vs. Time





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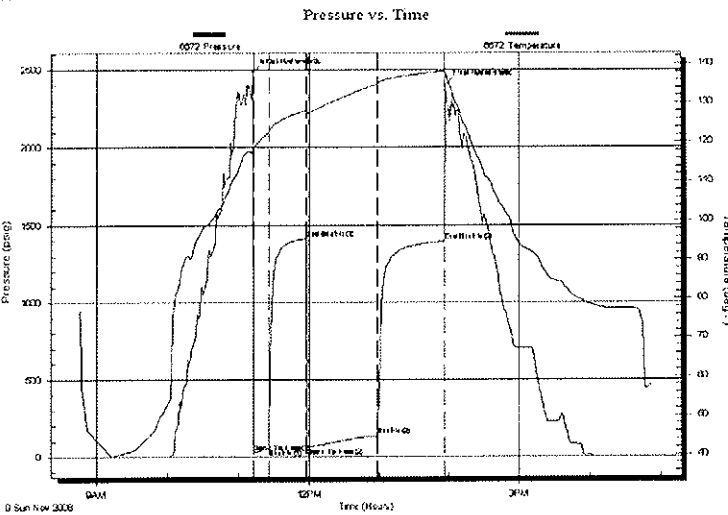
Goebel #2
1-22s-24w/Hodgeman
 Job Ticket: 34708 **DST#: 3**
 Test Start: 2008.11.09 @ 08:45:41

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 11:12:26 Tester: Tyson Flax
 Time Test Ended: 16:53:11 Unit No: 44
 Interval: **4685.00 ft (KB) To 4700.00 ft (KB) (TVD)** Reference Elevations: 2432.00 ft (KB)
 Total Depth: 4700.00 ft (KB) (TVD) 2427.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6672 Inside
 Press@RunDepth: 134.94 psig @ 4686.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.11.09 End Date: 2008.11.09 Last Calib.: 2008.11.09
 Start Time: 08:45:42 End Time: 16:53:11 Time On Btm: 2008.11.09 @ 11:12:11
 Time Off Btm: 2008.11.09 @ 13:56:56

TEST COMMENT: IFP-Weak surface blow built to 2.5"
 IS-no blow back for 20min then very weak surface blow back
 FFP-Weak surface blow built to 7"
 FSI-Weak surface blow back throughout



PRESSURE SUMMARY

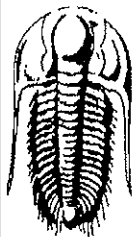
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2480.49	118.92	Initial Hydro-static
1	28.36	117.87	Open To Flow (1)
14	50.82	122.64	Shut-In(1)
46	1412.79	128.04	End Shut-In(1)
46	57.79	127.44	Open To Flow (2)
107	134.94	134.84	Shut-In(2)
164	1395.40	138.05	End Shut-In(2)
165	2401.76	137.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	VSOCMMW 2%O,68%W,30%M	0.32
120.00	OCWM 10%O,10%W,80%M	0.59
30.00	MCO 60%O,40%M	0.15
45.00	CO	0.35

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Job Ticket: 34708 **DST#: 3**
Test Start: 2008.11.09 @ 08:45:41

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	20000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.80 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	VSOCMW 2%O,68%W,30%M	0.320
120.00	OCWM 10%O,10%W,80%M	0.590
30.00	MCO 60%O,40%M	0.148
45.00	CO	0.351

Total Length: 260.00 ft Total Volume: 1.409 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

