TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Presco Western LLC**

1775 Sherman ST Suite 2950 Denver CO 80203

GINAL CONFIDENTIAL

KCC

ATTN: Dan Sommer

OCT 0 8 2001

30-30-33 Haskell KS

CONFIDENTIAL

ELS Trust 1-130

Start Date: 2001.07.05 @ 04:34:28

End Date: 2001.07.05 @ 12:51:26

Job Ticket #: 13407 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

53188

DRILL STEM TEST REPORT

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13407 **DST#: 1**

Test Start: 2001.07.05 @ 04:34:28

GENERAL INFORMATION:

Formation: **Lansing " G "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:45:41
Time Test Ended: 12:51:26

Test Type: Conventional Bottom Hole
Tester: Allan Moodie
Unit No: 20

Interval: 4350.00 ft (KB) To 4398.00 ft (KB) (TVD)
Total Depth: 4398.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

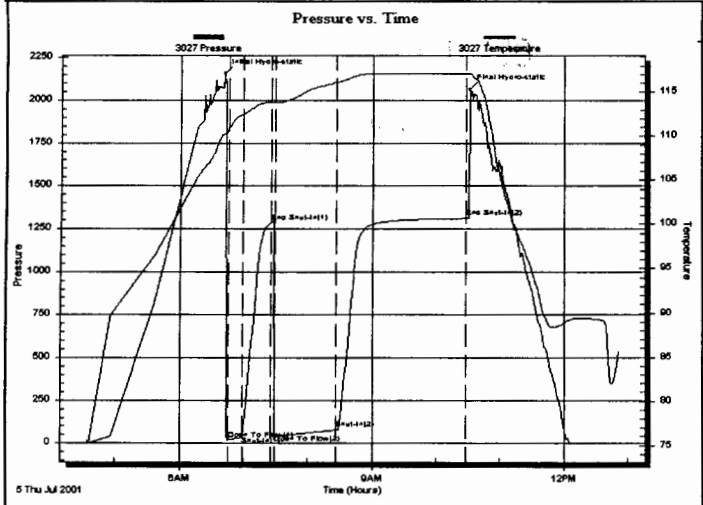
Reference Elevations: 2963.00 ft (KB)
2959.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 3027 **Inside**

Press@RunDepth: 79.22 psig @ 4352.00 ft (KB)
Start Date: 2001.07.05 End Date: 2001.07.05
Start Time: 04:34:28 End Time: 12:51:26

Capacity: 7000.00 psig
Last Calib.: 2001.01.09
Time On Btm: 2001.07.05 @ 06:41:41
Time Off Btm: 2001.07.05 @ 10:31:26

TEST COMMENT: IF- strong blow bob in 30 sec
ISI- no blow back
FF- strong blow asao
FSI- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.15	110.22	Initial Hydro-static
4	19.40	110.71	Open To Flow (1)
18	36.83	112.50	Shut-In(1)
44	1284.76	113.84	End Shut-In(1)
48	44.60	113.88	Open To Flow (2)
105	79.22	116.11	Shut-In(2)
227	1309.02	117.10	End Shut-In(2)
230	2064.78	117.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	10%g 10%w 80%m	0.87
31.00	100% mud	0.43

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13407 **DST#: 1**

Test Start: 2001.07.05 @ 04:34:28

Tool Information

Drill Pipe:	Length:	4332.00 ft	Diameter:	3.80 inches	Volume:	60.77 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	60.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	45000.00 lb
Depth to Top Packer:		4350.00 ft					Final	50000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		47.00 ft						
Tool Length:		74.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

CONFIDENTIAL
KCC
OCT 0 8 2001
CONFIDENTIAL
ORIGINAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4324.00		
S.I. Tool	5.00			4329.00		
HMV	5.00			4334.00		
Jars	5.00			4339.00		
Safety Joint	2.00			4341.00		
Packer	5.00			4346.00	27.00	Bottom Of Top Packer
Packer	4.00			4350.00		
Stubb	1.00			4351.00		
Perforations	1.00			4352.00		
Recorder	0.00	3027	Inside	4352.00		
Perforations	5.00			4357.00		
C.O. Sub	1.00			4358.00		
Blank Spacing	31.00			4389.00		
C.O. Sub	1.00			4390.00		
Perforations	5.00			4395.00		
Recorder	0.00	11019	Outside	4395.00		
Bullnose	2.00			4397.00	47.00	Bottom Packers & Anchor
Total Tool Length:	**74.00**					

53188

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13407 **DST#: 1**

Test Start: 2001.07.05 @ 04:34:28

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:	49000 ppm
Viscosity:	40.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.53 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

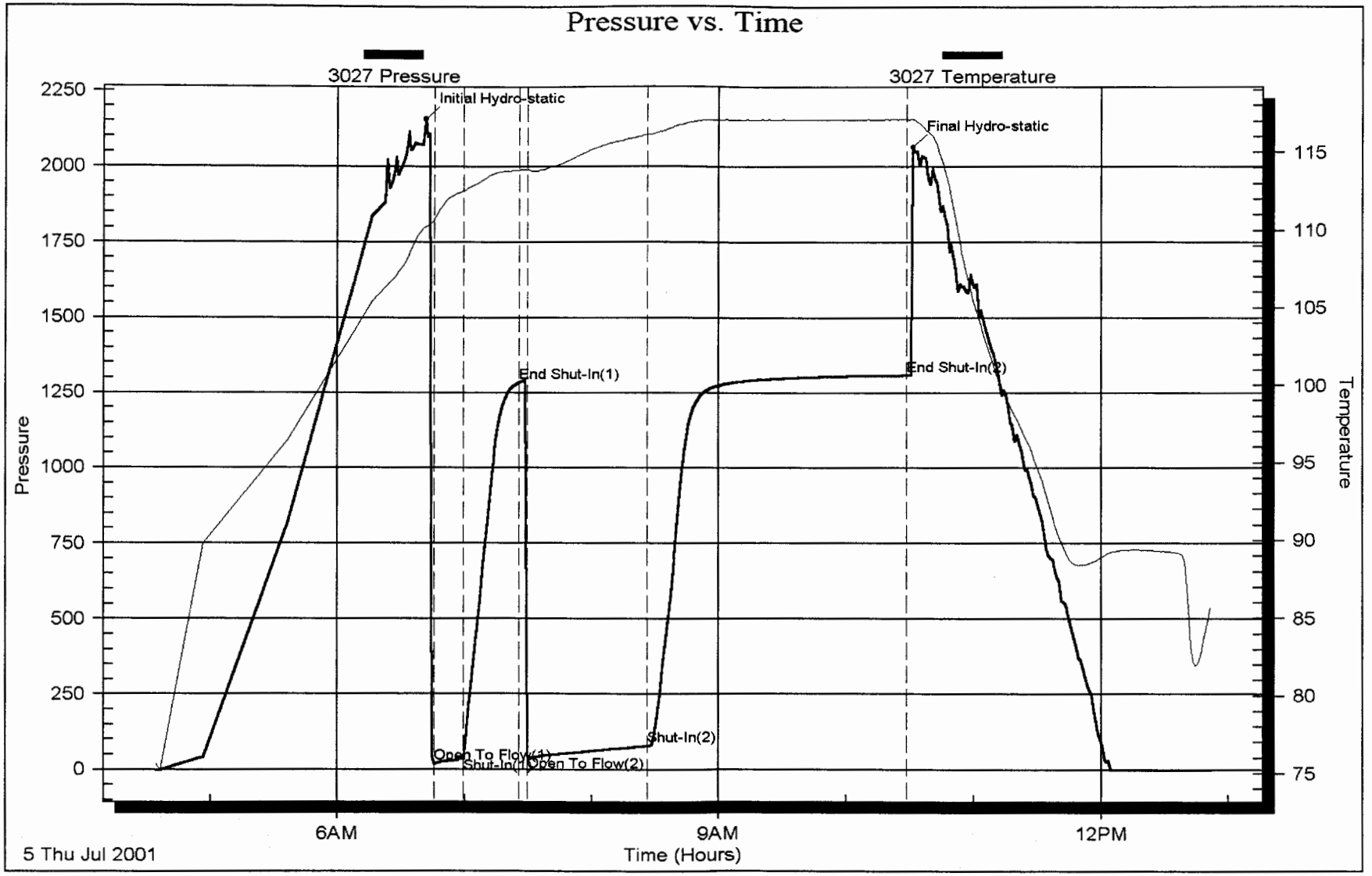
Length ft	Description	Volume bbl
62.00	10%g 10%w 80%m	0.870
31.00	100% mud	0.435

Total Length: 93.00 ft Total Volume: 1.305 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .118 @ 96 deg Chlorides = 49000


Pressure vs. Time
3027 Pressure
3027 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
115
110
105
100
95
90
85
80
75
6AM
9AM
12PM
5 Thu Jul 2001
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Presco Western LLC**

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

30-30-33 Haskell KS

ELS Trust 1-130

Start Date: 2001.07.06 @ 03:19:41

End Date: 2001.07.06 @ 12:50:54

Job Ticket #: 13408 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

53188

DRILL STEM TEST REPORT

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13408 **DST#: 2**

Test Start: 2001.07.06 @ 03:19:41

GENERAL INFORMATION:

Formation: **Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:46:24
Time Test Ended: 12:50:54

Test Type: Conventional Straddle
Tester: Allan Moodie
Unit No: 20

Interval: 4526.00 ft (KB) To 4576.00 ft (KB) (TVD)
Total Depth: 4603.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

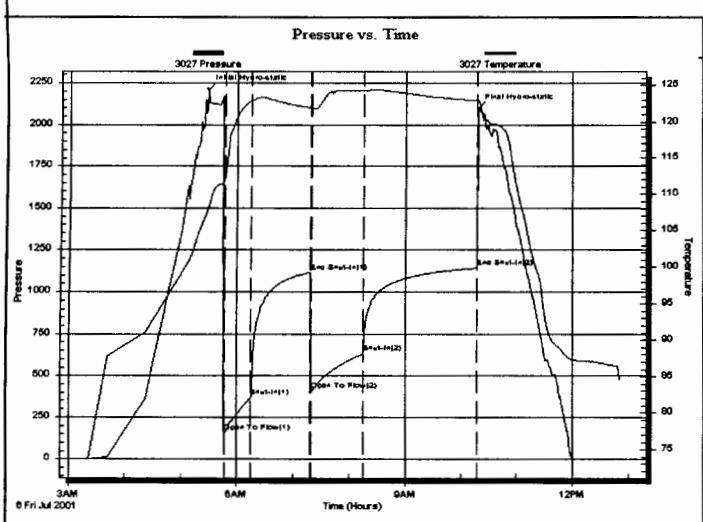
Reference Elevations: 2963.00 ft (KB)
2959.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 3027 **Inside**

Press@RunDepth: 631.84 psig @ 4533.00 ft (KB)
Start Date: 2001.07.06 End Date: 2001.07.06
Start Time: 03:19:41 End Time: 12:50:54

Capacity: 7000.00 psig
Last Calib.: 2001.01.09
Time On Btm: 2001.07.06 @ 05:28:39
Time Off Btm: 2001.07.06 @ 10:18:09

TEST COMMENT: IF- strong blow BOB in 45 sec gas surfaced in 15 min
ISI-surface blow back
FF-strong blow BOB 2 min
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.84	108.09	Initial Hydro-static
18	159.23	112.28	Open To Flow (1)
47	368.02	122.87	Shut-In(1)
110	1116.84	121.89	End Shut-In(1)
112	406.91	121.88	Open To Flow (2)
167	631.84	124.28	Shut-In(2)
289	1142.51	122.92	End Shut-In(2)
290	2094.02	122.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1302.00	100% salt w ater	15.53

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13408 **DST#: 2**

Test Start: 2001.07.06 @ 03:19:41

Tool Information

Drill Pipe:	Length:	4208.00 ft	Diameter:	3.80 inches	Volume:	59.03 bbl	Tool Weight:		1800.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	300.00 ft	Diameter:	2.25 inches	Volume:	1.48 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	60.51 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4526.00 ft						Final	66000.00 lb
Depth to Bottom Packer:		4566.00 ft							
Interval betw een Packers:		40.00 ft							
Tool Length:		98.00 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4500.00		
S.I. Tool	5.00			4505.00		
HMV	5.00			4510.00		
Jars	5.00			4515.00		
Safety Joint	2.00			4517.00		
Packer	5.00			4522.00	27.00	Bottom Of Top Packer
Packer	4.00			4526.00		
Stubb	1.00			4527.00		
Perforations	5.00			4532.00		
C.O. Sub	1.00			4533.00		
Recorder	0.00	3027	Inside	4533.00		
Blank Spacing	31.00			4564.00		
C.O. Sub	1.00			4565.00		
Recorder	0.00	13278	Outside	4565.00		
Blank Off Sub	1.00			4566.00	40.00	Tool Interval
Packer	4.00			4570.00		
Stubb	1.00			4571.00		
P.O. Sub	5.00			4576.00		
Perforations	19.00			4595.00		
Recorder	0.00	5495	Outside	4595.00		
Bullnose	2.00			4597.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**98.00**					

53188

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13408 **DST#: 2**

Test Start: 2001.07.06 @ 03:19:41

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:	115000 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

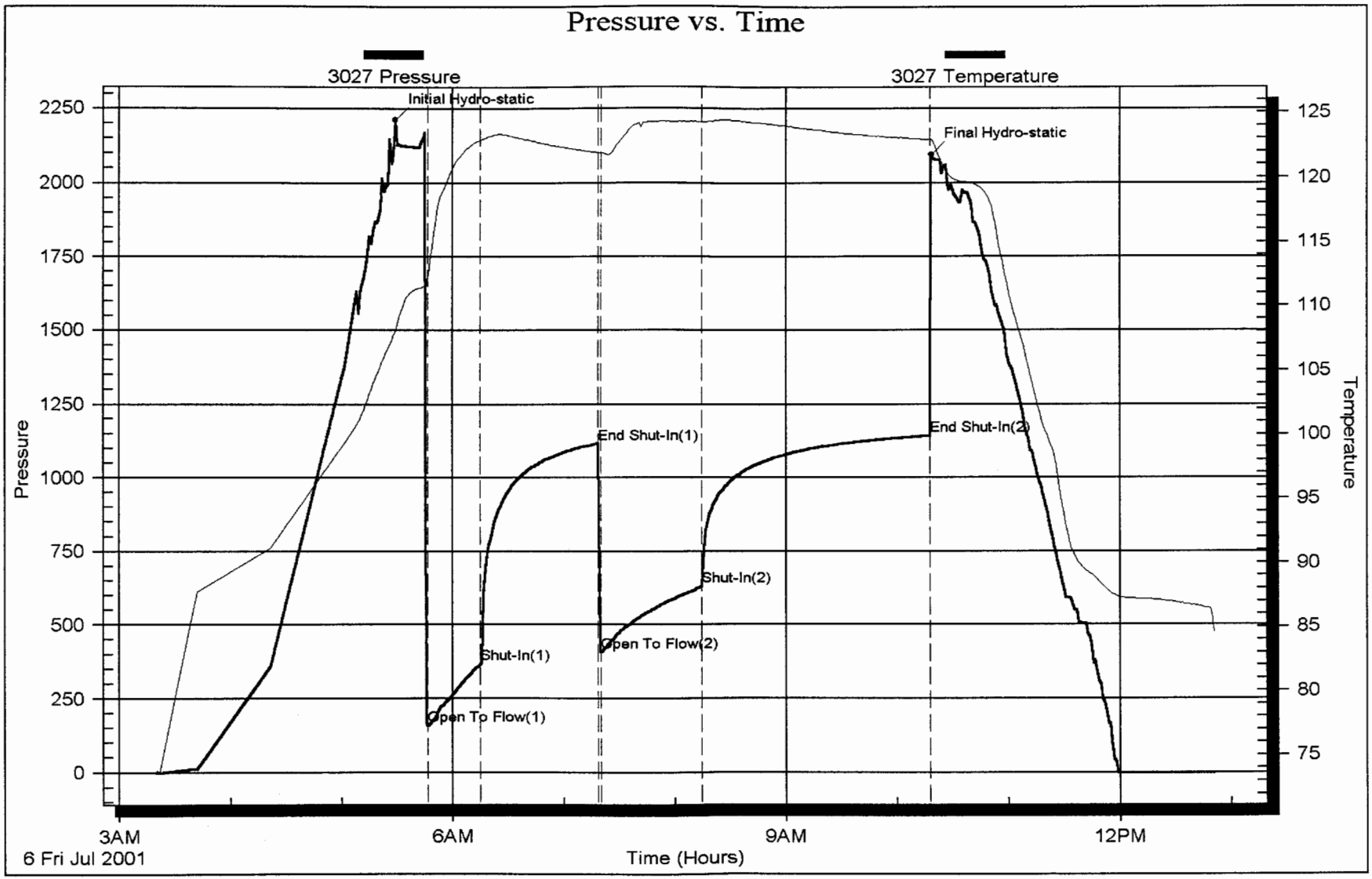
Length ft	Description	Volume bbl
1302.00	100% salt w ater	15.531

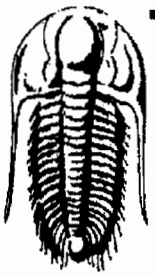
Total Length: 1302.00 ft Total Volume: 15.531 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:

Laboratory Name: Caraw ay Laboratory Location: Liberal KS

Recovery Comments: RW= .051 @ 99 deg chlorides = 115000


Pressure vs. Time
3027 Pressure
3027 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75
3AM
6AM
9AM
12PM
6 Fri Jul 2001
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Presco Western LLC**

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

30-30-33 Haskell KS

ELS Trust 1-130

Start Date: 2001.07.07 @ 02:59:08

End Date: 2001.07.07 @ 11:54:06

Job Ticket #: 13409 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

53188

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13409 **DST#: 3**

Test Start: 2001.07.07 @ 02:59:08

GENERAL INFORMATION:

Formation: **Marmington B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:04:51
Time Test Ended: 11:54:06

Test Type: Conventional Bottom Hole
Tester: Blake Wallace
Unit No: 20

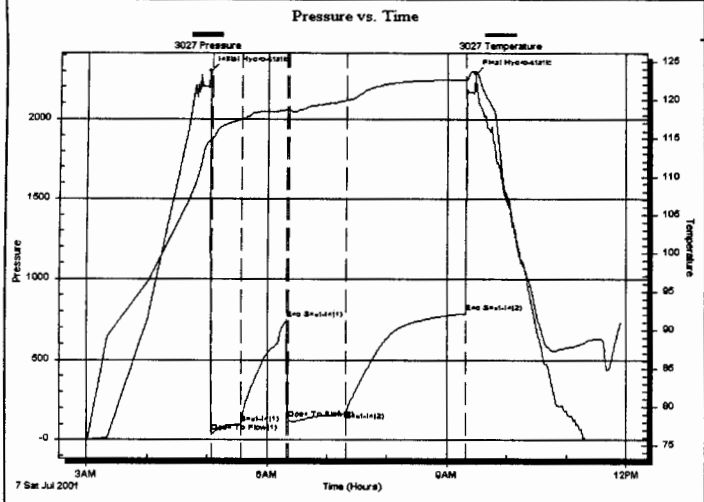
Interval: 4716.00 ft (KB) To 4776.00 ft (KB) (TVD)
Total Depth: 4776.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2963.00 ft (KB)
2959.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 3027 **Inside**
Press@RunDepth: 169.87 psig @ 4718.00 ft (KB)
Start Date: 2001.07.07 End Date: 2001.07.07
Start Time: 02:59:08 End Time: 11:54:06

Capacity: 7000.00 psig
Last Calib.: 2001.01.09
Time On Btm: 2001.07.07 @ 05:02:21
Time Off Btm: 2001.07.07 @ 09:28:06

TEST COMMENT: IF-strong blow BOB in 2 min
ISI-surface blow back
FF-strong blow BOB as soon as open gas to surface as soon as open
FSI-blow back built to 5.5 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2299.54	114.66	Initial Hydro-static
3	42.97	115.06	Open To Flow (1)
32	98.47	117.53	Shut-In(1)
77	749.46	118.81	End Shut-In(1)
79	125.13	118.81	Open To Flow (2)
137	169.87	120.02	Shut-In(2)
257	786.63	122.71	End Shut-In(2)
266	2281.12	123.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	10% G 90%M	0.30
124.00	10%G 20% O 70% M	0.61
310.00	20% G 40%o 40% M	3.31

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.68
Last Gas Rate	0.13	7.00	7.89
Max. Gas Rate	0.13	7.00	7.89

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13409 **DST#: 3**

Test Start: 2001.07.07 @ 02:59:08

Tool Information

Drill Pipe:	Length:	4394.00 ft	Diameter:	3.80 inches	Volume:	61.64 bbl	Tool Weight:		1800.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	300.00 ft	Diameter:	2.25 inches	Volume:	1.48 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	63.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4716.00 ft						Final	63000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		60.00 ft							
Tool Length:		87.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4690.00		
S.I. Tool	5.00			4695.00		
HMV	5.00			4700.00		
Jars	5.00			4705.00		
Safety Joint	2.00			4707.00		
Packer	5.00			4712.00	27.00	Bottom Of Top Packer
Packer	4.00			4716.00		
Stubb	1.00			4717.00		
Perforations	1.00			4718.00		
Recorder	0.00	3027	Inside	4718.00		
Perforations	13.00			4731.00		
C.O. Sub	1.00			4732.00		
Blank Spacing	31.00			4763.00		
C.O. Sub	1.00			4764.00		
Perforations	10.00			4774.00		
Recorder	0.00	11019	Outside	4774.00		
Bullnose	2.00			4776.00	60.00	Bottom Packers & Anchor
Total Tool Length:	**87.00**					

53188

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13409 **DST#: 3**

Test Start: 2001.07.07 @ 02:59:08

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	10% G 90%M	0.305
124.00	10%G 20% O 70% M	0.610
310.00	20% G 40%o 40% M	3.310

Total Length: 496.00 ft Total Volume: 4.225 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:

Laboratory Name: Caraw ay Laboratory Location: Liberal KS

Recovery Comments:

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 13409 **DST#: 3**

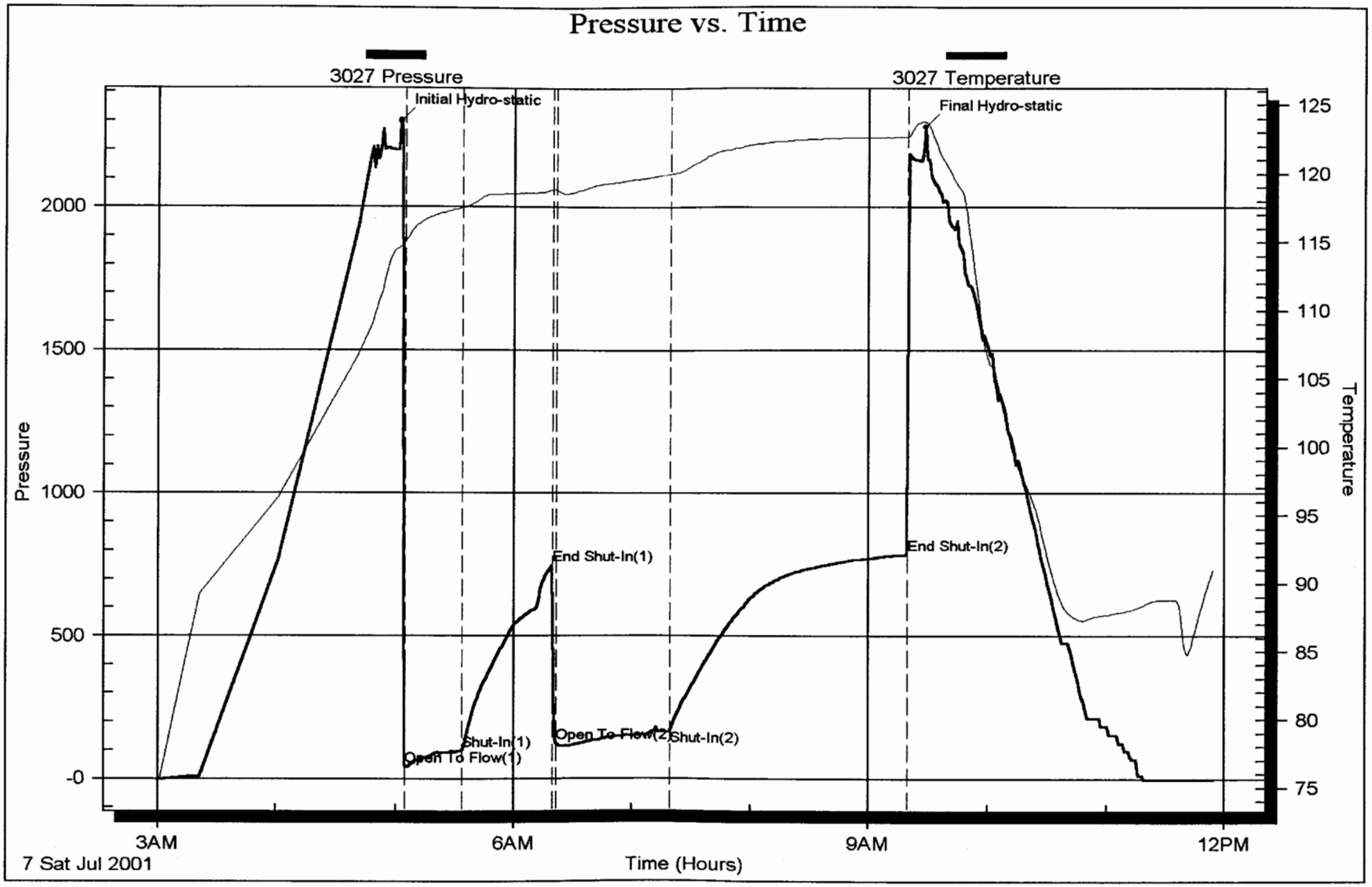
Test Start: 2001.07.07 @ 02:59:08

Gas Rates Information

Temperature: 75 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m^3/d)
2	5	0.13	1.00	5.68
2	10	0.13	3.00	6.41
2	20	0.13	5.00	7.15
2	30	0.13	6.00	7.52
2	40	0.13	7.00	7.89
2	50	0.13	7.00	7.89
2	60	0.13	7.00	7.89


Pressure vs. Time
3027 Pressure
3027 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1500
1000
500
-0
125
120
115
110
105
100
95
90
85
80
75
3AM
6AM
9AM
12PM
7 Sat Jul 2001
Time (Hours)

5382



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Presco Western LLC**

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

30-30-33 Haskell KS

ELS Trust 1-130

Start Date: 2001.07.11 @ 02:42:31

End Date: 2001.07.11 @ 14:49:31

Job Ticket #: 15402 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

53188

DRILL STEM TEST REPORT

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 15402 **DST#: 4**

Test Start: 2001.07.11 @ 02:42:31

GENERAL INFORMATION:

Formation: **ST. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:04:01
Time Test Ended: 14:49:31

Test Type: Conventional Straddle
Tester: Allan Moodie
Unit No: 12

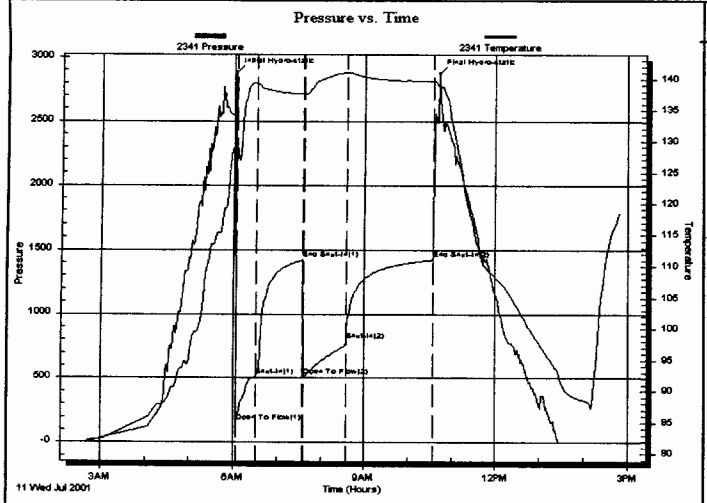
Interval: 5485.00 ft (KB) To 5595.00 ft (KB) (TVD)
Total Depth: 5750.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2963.00 ft (KB)
2959.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 2341 **Inside**
Press@RunDepth: 786.61 psig @ 5487.00 ft (KB)
Start Date: 2001.07.11 End Date: 2001.07.11
Start Time: 02:42:32 End Time: 14:49:31

Capacity: 7000.00 psig
Last Calib.: 2001.01.16
Time On Btm: 2001.07.11 @ 06:02:01
Time Off Btm: 2001.07.11 @ 10:42:31

TEST COMMENT: IF- strong blow BOB in 3 min
ISI- no blow back
FF- strong blow BOB in 7 min
FSI- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2880.98	130.05	Initial Hydro-static
2	148.51	129.90	Open To Flow (1)
29	511.44	139.36	Shut-In(1)
93	1419.13	137.68	End Shut-In(1)
94	513.12	137.68	Open To Flow (2)
153	786.61	141.06	Shut-In(2)
273	1420.26	139.68	End Shut-In(2)
281	2872.21	138.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GC Water 20%g 5%o 20%w 55%m	0.89
480.00	G&Ocut W 10%g 5%o 20%w 65%m	3.58
600.00	G C mud W/ traces of O 10% G 5% W	8.42
390.00	GC mud 100% mud	5.47
360.00	GIP	5.05

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 15402 **DST#: 4**

Test Start: 2001.07.11 @ 02:42:31

Tool Information

Drill Pipe:	Length:	5099.00 ft	Diameter:	3.80 inches	Volume:	71.53 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length:	526.00 ft	Diameter:	2.25 inches	Volume:	2.59 bbl	Weight to Pull Loose:	100000.0 lb
					Total Volume:	74.12 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		167.00 ft					String Weight: Initial	65000.00 lb
Depth to Top Packer:		5485.00 ft					Final	80000.00 lb
Depth to Bottom Packer:		5595.00 ft						
Interval betw een Packers:		110.00 ft						
Tool Length:		298.00 ft						
Number of Packers:		3	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			5463.00		
HMV	5.00			5468.00		
Jars	5.00			5473.00		
Safety Joint	2.00			5475.00		
Packer	5.00			5480.00	27.00	Bottom Of Top Packer
Packer	5.00			5485.00		
Stubb	1.00			5486.00		
Perforations	1.00			5487.00		
Recorder	0.00	2341	Inside	5487.00		
Perforations	13.00			5500.00		
C.O. Sub	1.00			5501.00		
Blank Spacing	92.00			5593.00		
C.O. Sub	1.00			5594.00		
Recorder	0.00	13275	Outside	5594.00		
Blank Off Sub	1.00			5595.00	110.00	Tool Interval
Packer	5.00			5600.00		
C.O. Sub	1.00			5601.00		
Blank Spacing	124.00			5725.00		
C.O. Sub	1.00			5726.00		
Perforations	27.00			5753.00		
Recorder	0.00			5753.00		
Bullnose	3.00			5756.00	161.00	Bottom Packers & Anchor
Total Tool Length:	**298.00**					

53188

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western LLC

1775 Sherman ST Suite 2950 Denver CO 80203

ATTN: Dan Sommer

ELS Trust 1-130

30-30-33 Haskell KS

Job Ticket: 15402 **DST#: 4**

Test Start: 2001.07.11 @ 02:42:31

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

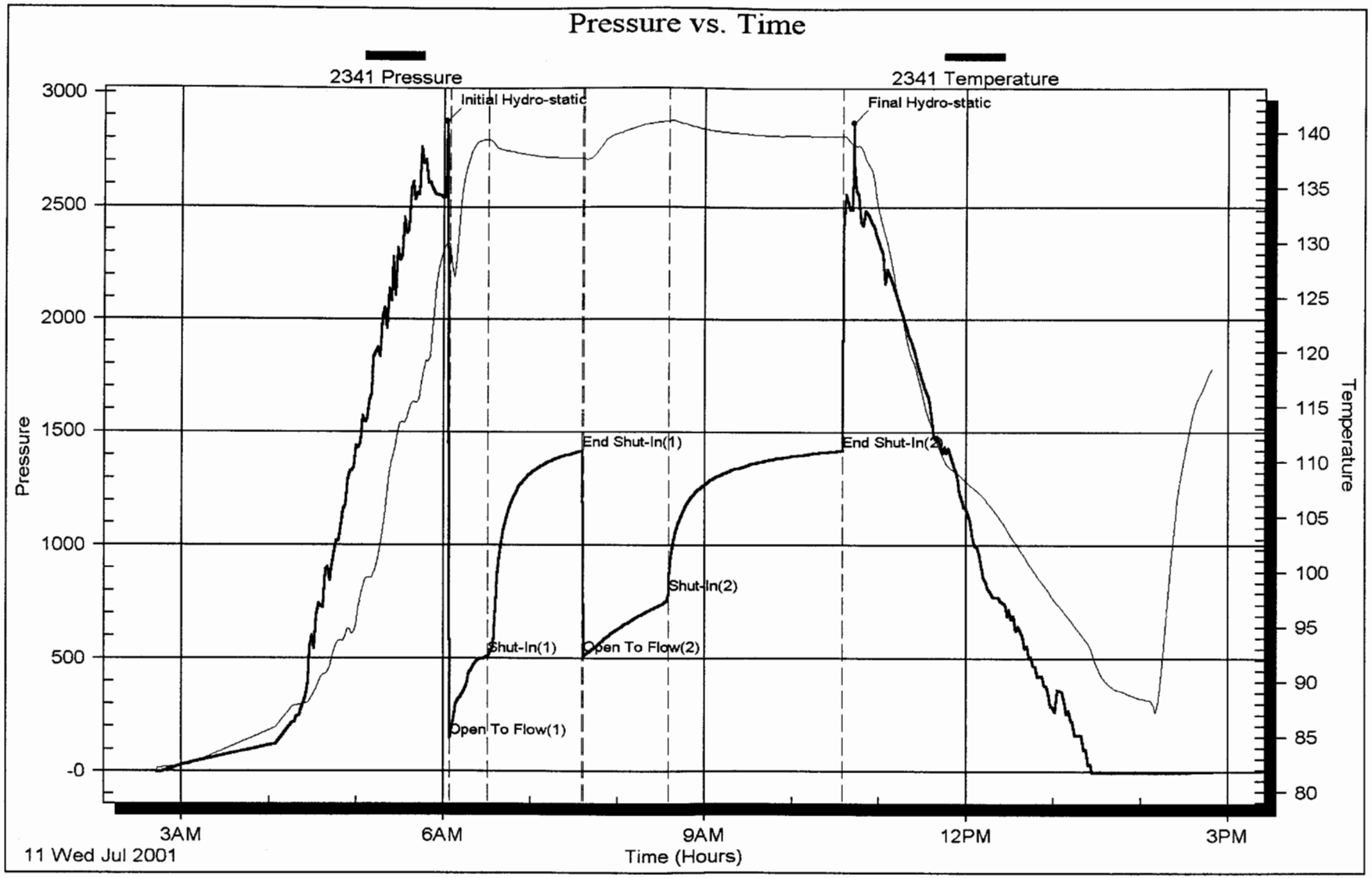
Length ft	Description	Volume bbl
180.00	GC Water 20%g 5%o 20%w 55%m	0.885
480.00	G&Ocut W 10%g 5%o 20%w 65%m	3.581
600.00	G C mud W/ traces of O 10% G 5% W 85%W	8.416
390.00	GC mud 100% mud	5.471
360.00	GIP	5.050

Total Length: 2010.00 ft Total Volume: 23.403 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
2341 Pressure
2341 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
3000
2500
2000
1500
1000
500
-0
140
135
130
125
120
115
110
105
100
95
90
85
80
3AM
6AM
9AM
12PM
3PM
11 Wed Jul 2001
Time (Hours)