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Completion Systems

DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.03 @ 01:39:20

End Date: 2010.10.03 @ 04:25:26

Job Ticket #: 040904 DST #: 1

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260



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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

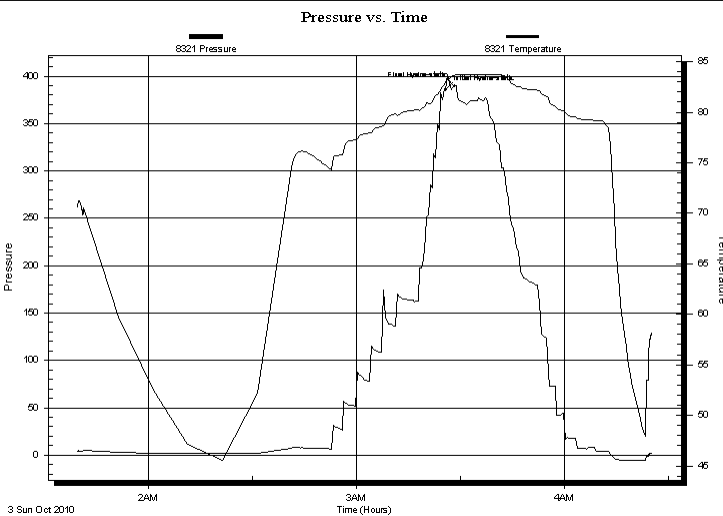
Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040904 **DST#: 1**
Test Start: 2010.10.03 @ 01:39:20

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 04:25:26
Interval: **3032.00 ft (KB) To 3105.00 ft (KB) (TVD)**
Total Depth: 3105.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: psig @ 3036.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.03 End Date: 2010.10.03 Last Calib.: 2010.10.03
Start Time: 01:39:21 End Time: 04:25:26 Time On Btm: 2010.10.03 @ 03:25:50
Time Off Btm: 2010.10.03 @ 03:28:20

TEST COMMENT: MIS-Run



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	385.41	82.99	Initial Hydro-static
3	389.38	83.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040904 **DST#: 1**
Test Start: 2010.10.03 @ 01:39:20

Tool Information

Drill Pipe:	Length: 2677.00 ft	Diameter: 3.34 inches	Volume: 29.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 30.79 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial lb
Depth to Top Packer:	3032.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3005.00	
Shut In Tool	5.00			3010.00	
Hydraulic tool	5.00			3015.00	
Jars	5.00			3020.00	
Safety Joint	3.00			3023.00	
Packer	4.00			3027.00	28.00 Bottom Of Top Packer
Packer	5.00			3032.00	
Stubb	1.00			3033.00	
Perforations	2.00			3035.00	
Change Over Sub	1.00			3036.00	
Recorder	0.00	8321	Inside	3036.00	
Recorder	0.00	8679	Outside	3036.00	
Drill Pipe	62.00			3098.00	
Change Over Sub	1.00			3099.00	
Perforations	3.00			3102.00	
Bullnose	3.00			3105.00	73.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 040904 **DST#: 1**
 Test Start: 2010.10.03 @ 01:39:20

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

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

Serial #: 8321

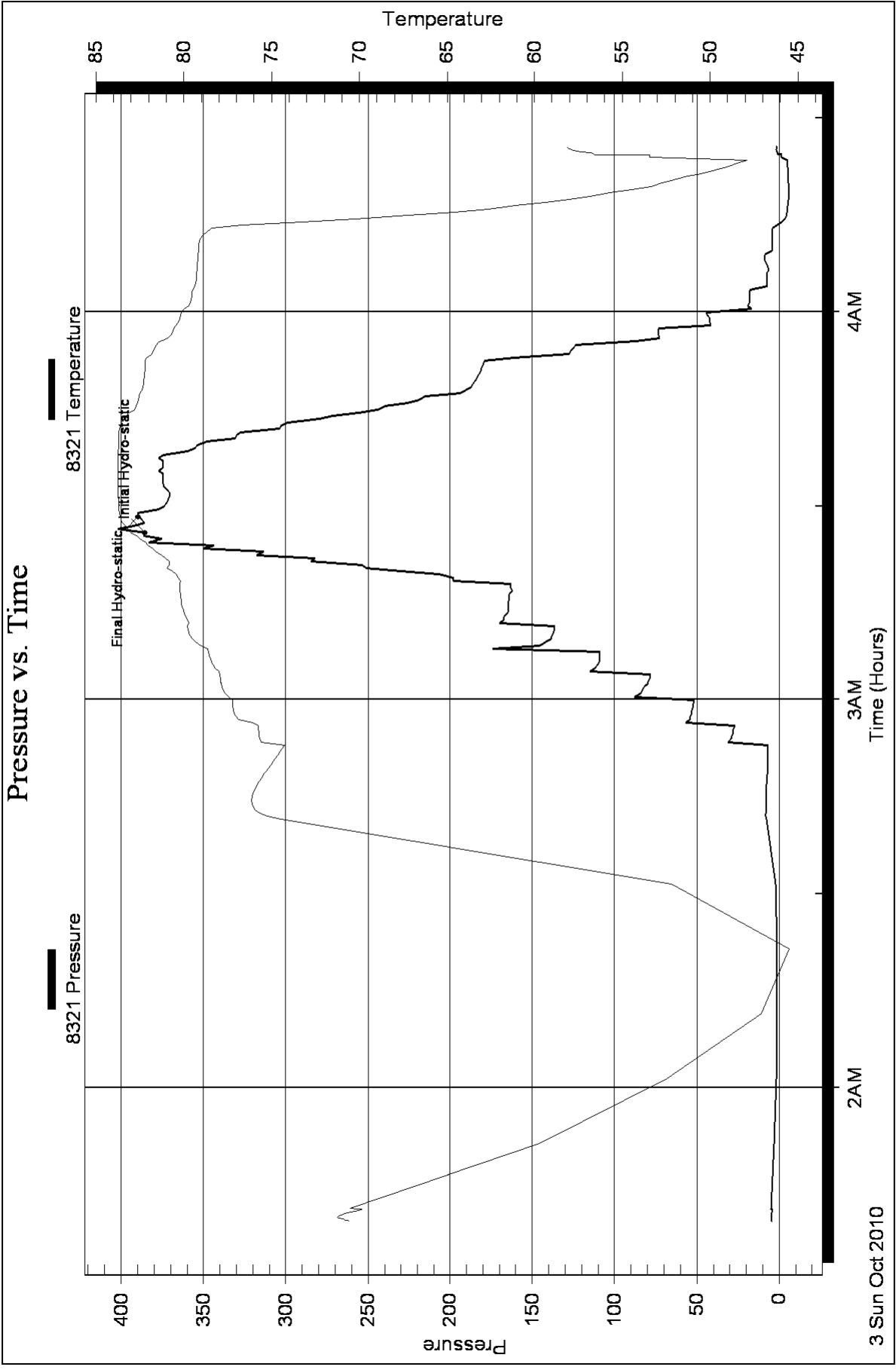
Inside

Berexco LLC

10-11s-19w Ellis,KS

DST Test Number: 1

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.03 @ 12:36:42

End Date: 2010.10.03 @ 20:34:12

Job Ticket #: 040905 DST #: 2

ALPINE OIL SERVICES CORPORATION
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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040905 **DST#: 2**
Test Start: 2010.10.03 @ 12:36:42

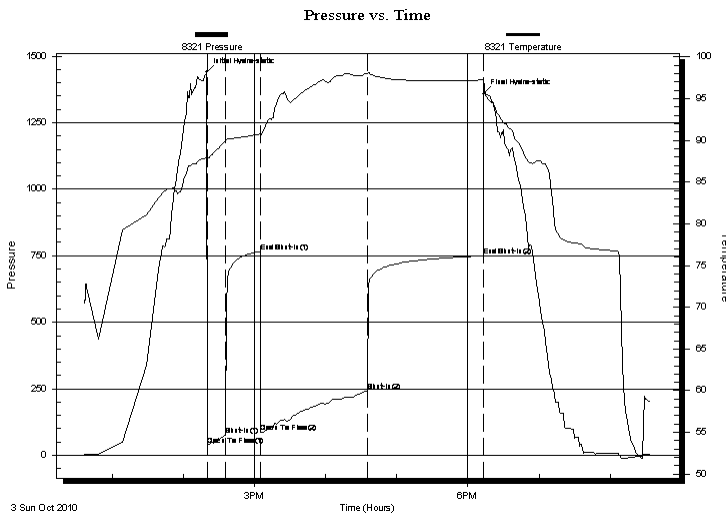
GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:20:12
Time Test Ended: 20:34:12
Interval: **3032.00 ft (KB) To 3105.00 ft (KB) (TVD)**
Total Depth: 3105.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 241.85 psig @ 3036.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.03 End Date: 2010.10.03 Last Calib.: 2010.10.03
Start Time: 12:36:43 End Time: 20:34:12 Time On Btm: 2010.10.03 @ 14:19:42
Time Off Btm: 2010.10.03 @ 18:13:12

TEST COMMENT: IFP-Good blow Built to 10 in
ISI-Dead no blow back
FFP-Good blow BOB in 21 1/2 min
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.86	88.04	Initial Hydro-static
1	39.20	87.78	Open To Flow (1)
16	74.98	89.91	Shut-In(1)
45	765.98	90.78	End Shut-In(1)
46	88.67	90.50	Open To Flow (2)
136	241.85	98.07	Shut-In(2)
233	749.56	97.26	End Shut-In(2)
234	1358.15	97.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
227.00	Mud	1.12
240.00	MW30%M70%W	1.80

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 040905 **DST#: 2**
 Test Start: 2010.10.03 @ 12:36:42

Tool Information

Drill Pipe:	Length: 2677.00 ft	Diameter: 3.34 inches	Volume: 29.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 30.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3032.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3005.00	
Shut In Tool	5.00			3010.00	
Hydraulic tool	5.00			3015.00	
Jars	5.00			3020.00	
Safety Joint	3.00			3023.00	
Packer	4.00			3027.00	28.00 Bottom Of Top Packer
Packer	5.00			3032.00	
Stubb	1.00			3033.00	
Perforations	2.00			3035.00	
Change Over Sub	1.00			3036.00	
Recorder	0.00	8321	Inside	3036.00	
Recorder	0.00	8679	Outside	3036.00	
Drill Pipe	62.00			3098.00	
Change Over Sub	1.00			3099.00	
Perforations	3.00			3102.00	
Bullnose	3.00			3105.00	73.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



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FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040905 **DST#: 2**
Test Start: 2010.10.03 @ 12:36:42

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:	31000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 88.90 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
227.00	Mud	1.116
240.00	MW30%M70%W	1.802

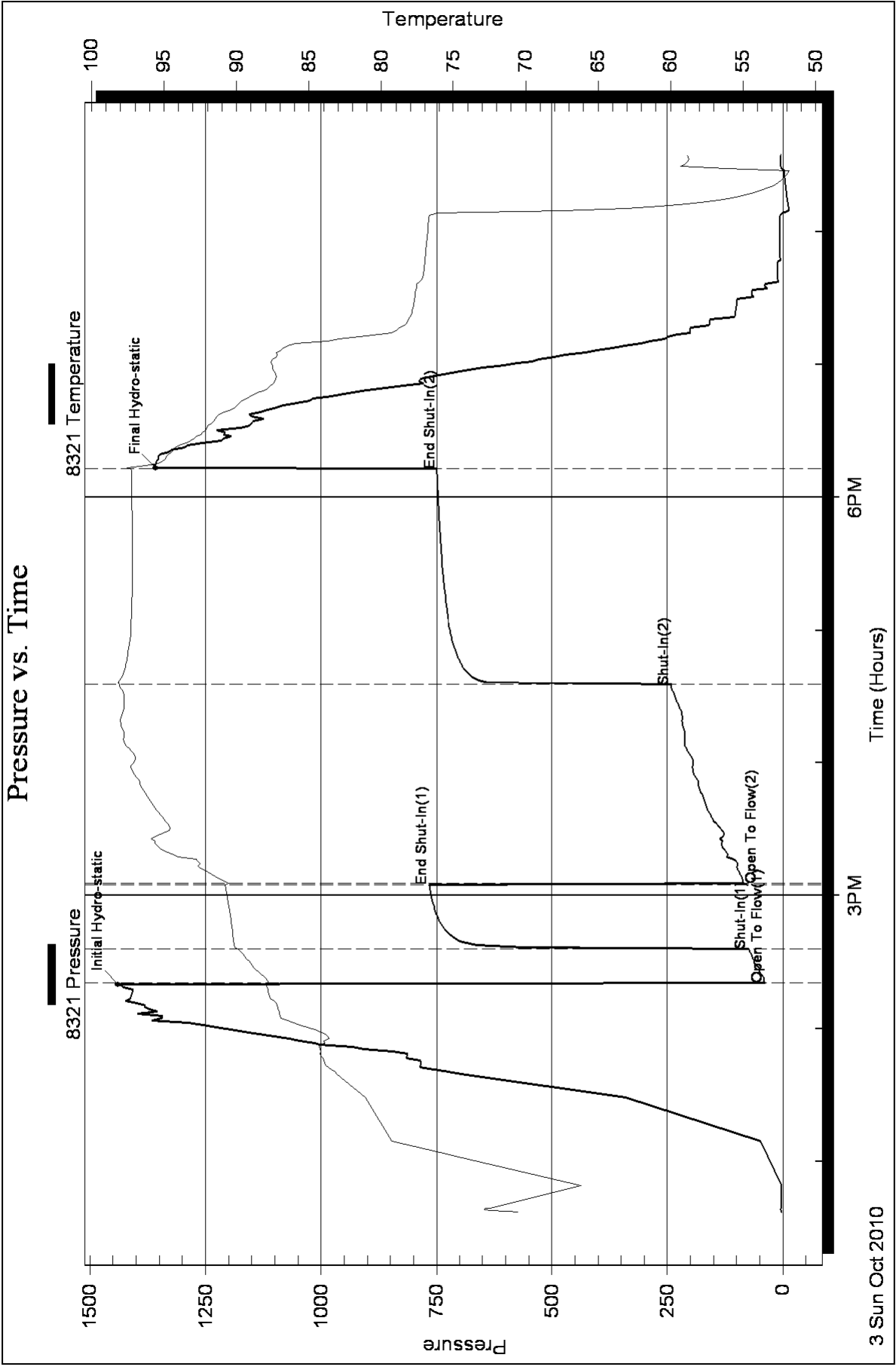
Total Length: 467.00 ft Total Volume: 2.918 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





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2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.04 @ 20:33:43

End Date: 2010.10.05 @ 04:45:13

Job Ticket #: 090406 DST #: 3

ALPINE OIL SERVICES CORPORATION
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ph: 263-7800 fax: 264-7260



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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 090406 **DST#: 3**
Test Start: 2010.10.04 @ 20:33:43

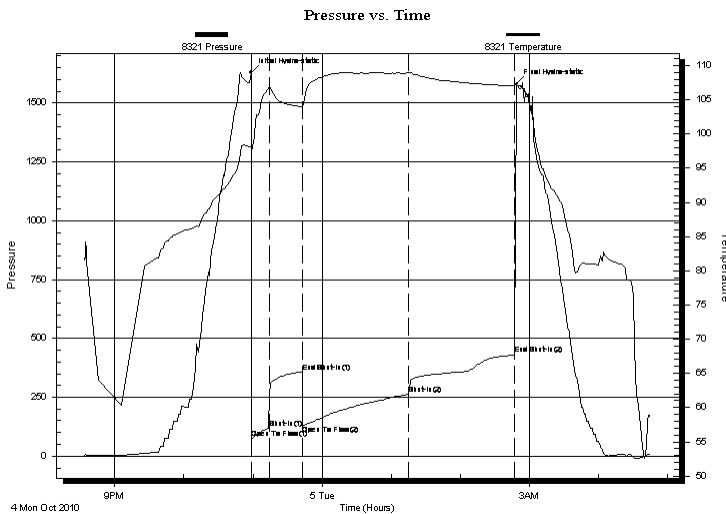
GENERAL INFORMATION:

Formation: **LKC-"B-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:58:43
Time Test Ended: 04:45:13
Interval: **3285.00 ft (KB) To 3365.00 ft (KB) (TVD)**
Total Depth: 3365.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 262.67 psig @ 3289.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.04 End Date: 2010.10.05 Last Calib.: 2010.10.05
Start Time: 20:33:44 End Time: 04:45:13 Time On Btm: 2010.10.04 @ 22:58:13
Time Off Btm: 2010.10.05 @ 02:48:43

TEST COMMENT: IFP-Good blow BOB in 13 min
ISI-Dead no blow back
FFP-Good blow BOB in 26 min
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.38	98.04	Initial Hydro-static
1	77.66	97.47	Open To Flow (1)
16	119.32	106.80	Shut-In(1)
45	357.26	103.96	End Shut-In(1)
45	130.13	103.84	Open To Flow (2)
137	262.67	108.96	Shut-In(2)
229	431.77	107.03	End Shut-In(2)
231	1581.45	107.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
362.00	MW40%M60%W	1.78
82.00	WM40%W60%M	0.89

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 A T T N : Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 090406 **DST#: 3**
 Test Start: 2010.10.04 @ 20:33:43

Tool Information

Drill Pipe:	Length: 2924.00 ft	Diameter: 3.34 inches	Volume: 31.69 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 33.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3285.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3258.00	
Shut In Tool	5.00			3263.00	
Hydraulic tool	5.00			3268.00	
Jars	5.00			3273.00	
Safety Joint	3.00			3276.00	
Packer	4.00			3280.00	28.00 Bottom Of Top Packer
Packer	5.00			3285.00	
Stubb	1.00			3286.00	
Perforations	2.00			3288.00	
Change Over Sub	1.00			3289.00	
Recorder	0.00	8321	Inside	3289.00	
Recorder	0.00	8679	Outside	3289.00	
Drill Pipe	62.00			3351.00	
Change Over Sub	1.00			3352.00	
Perforations	10.00			3362.00	
Bullnose	3.00			3365.00	80.00 Bottom Packers & Anchor
Total Tool Length:	108.00				



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DRILL STEM TEST REPORT

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Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 090406 **DST#: 3**
 Test Start: 2010.10.04 @ 20:33:43

Mud and Cushion Information

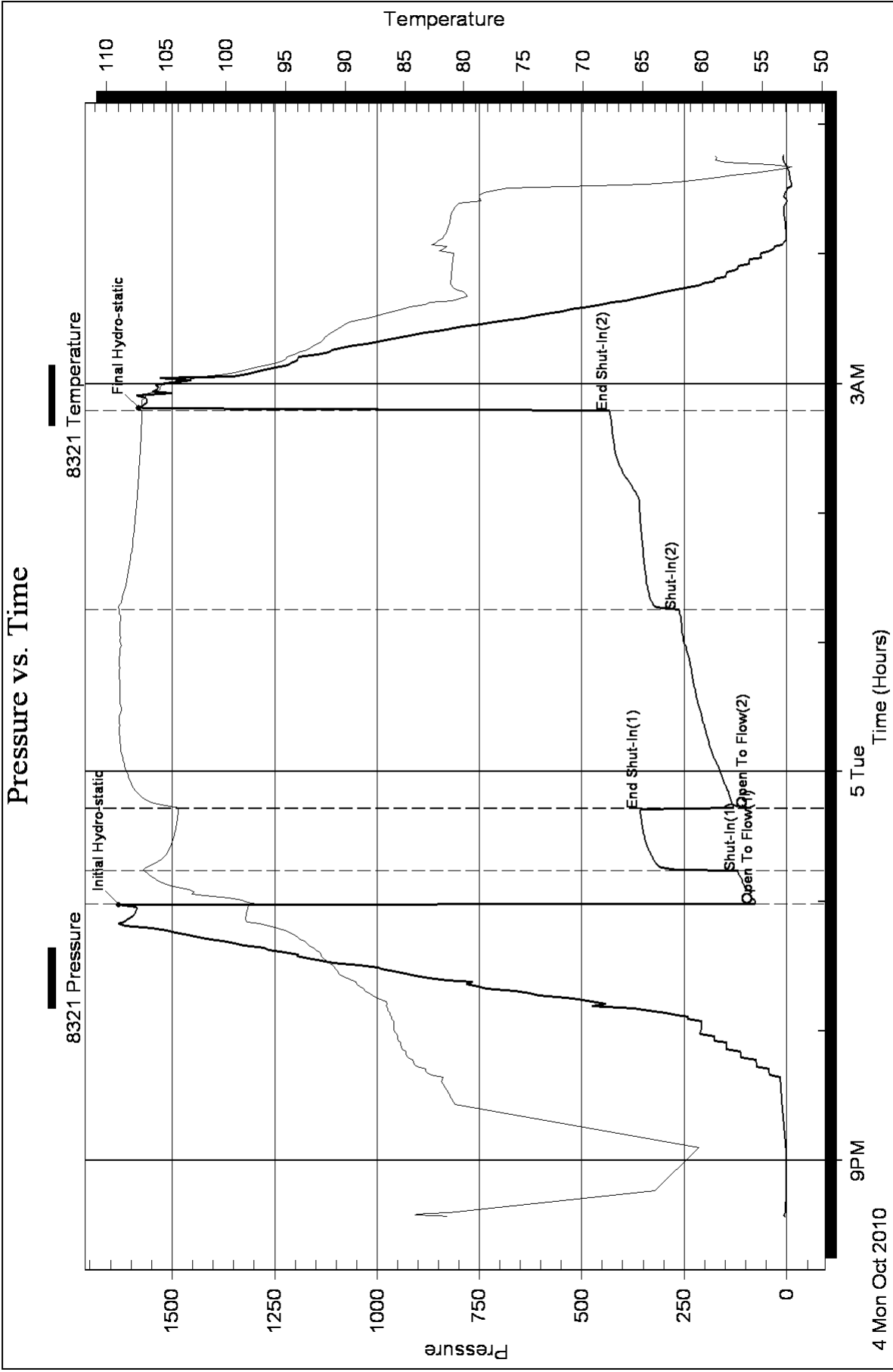
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	80000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
362.00	MW40%M60%W	1.780
82.00	WM40%W60%M	0.889

Total Length: 444.00 ft Total Volume: 2.669 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.05 @ 18:41:44

End Date: 2010.10.06 @ 03:07:14

Job Ticket #: 090407 DST #: 4

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260



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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 090407 **DST#: 4**
Test Start: 2010.10.05 @ 18:41:44

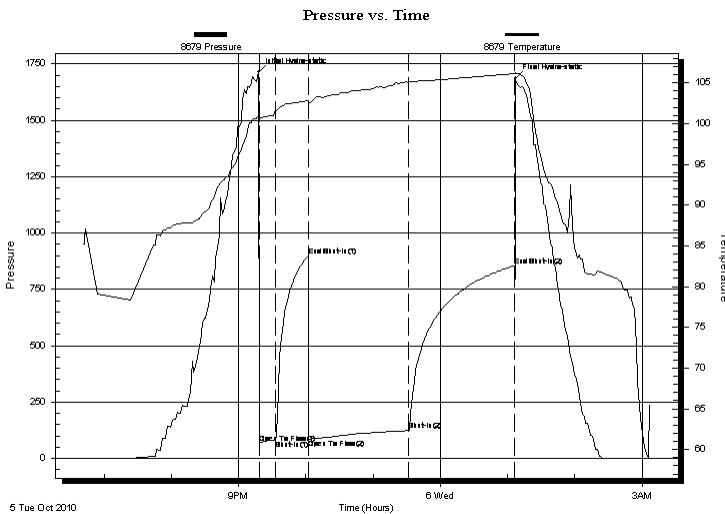
GENERAL INFORMATION:

Formation: **LKC-H-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:18:14
Time Test Ended: 03:07:14
Interval: **3375.00 ft (KB) To 3500.00 ft (KB) (TVD)**
Total Depth: 3500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8679 Outside
Press @ Run Depth: 123.84 psig @ 3472.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.05 End Date: 2010.10.06 Last Calib.: 2010.10.06
Start Time: 18:41:45 End Time: 03:07:14 Time On Btm: 2010.10.05 @ 21:17:44
Time Off Btm: 2010.10.06 @ 01:07:14

TEST COMMENT: IFP-Weak blow built to 3 in
ISI-Dead no blow back
FFP-Fair blow Built to 4 in
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1712.02	100.89	Initial Hydro-static
1	67.77	100.27	Open To Flow (1)
16	82.49	101.58	Shut-In(1)
45	899.07	102.82	End Shut-In(1)
45	84.43	102.43	Open To Flow (2)
134	123.84	105.07	Shut-In(2)
229	855.58	106.13	End Shut-In(2)
230	1686.55	106.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	V SOCM 2% O98%M	0.44

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 090407 **DST#: 4**
 Test Start: 2010.10.05 @ 18:41:44

Tool Information

Drill Pipe:	Length: 3013.00 ft	Diameter: 3.34 inches	Volume: 32.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 2500.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 34.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3375.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	153.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3348.00	
Shut In Tool	5.00			3353.00	
Hydraulic tool	5.00			3358.00	
Jars	5.00			3363.00	
Safety Joint	3.00			3366.00	
Packer	4.00			3370.00	28.00 Bottom Of Top Packer
Packer	5.00			3375.00	
Stubb	1.00			3376.00	
Perforations	2.00			3378.00	
Change Over Sub	1.00			3379.00	
Drill Pipe	92.00			3471.00	
Change Over Sub	1.00			3472.00	
Recorder	0.00	8321	Inside	3472.00	
Recorder	0.00	8679	Outside	3472.00	
Perforations	25.00			3497.00	
Bullnose	3.00			3500.00	125.00 Bottom Packers & Anchor
Total Tool Length:	153.00				



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FLUID SUMMARY

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 090407 **DST#: 4**
 Test Start: 2010.10.05 @ 18:41:44

Mud and Cushion Information

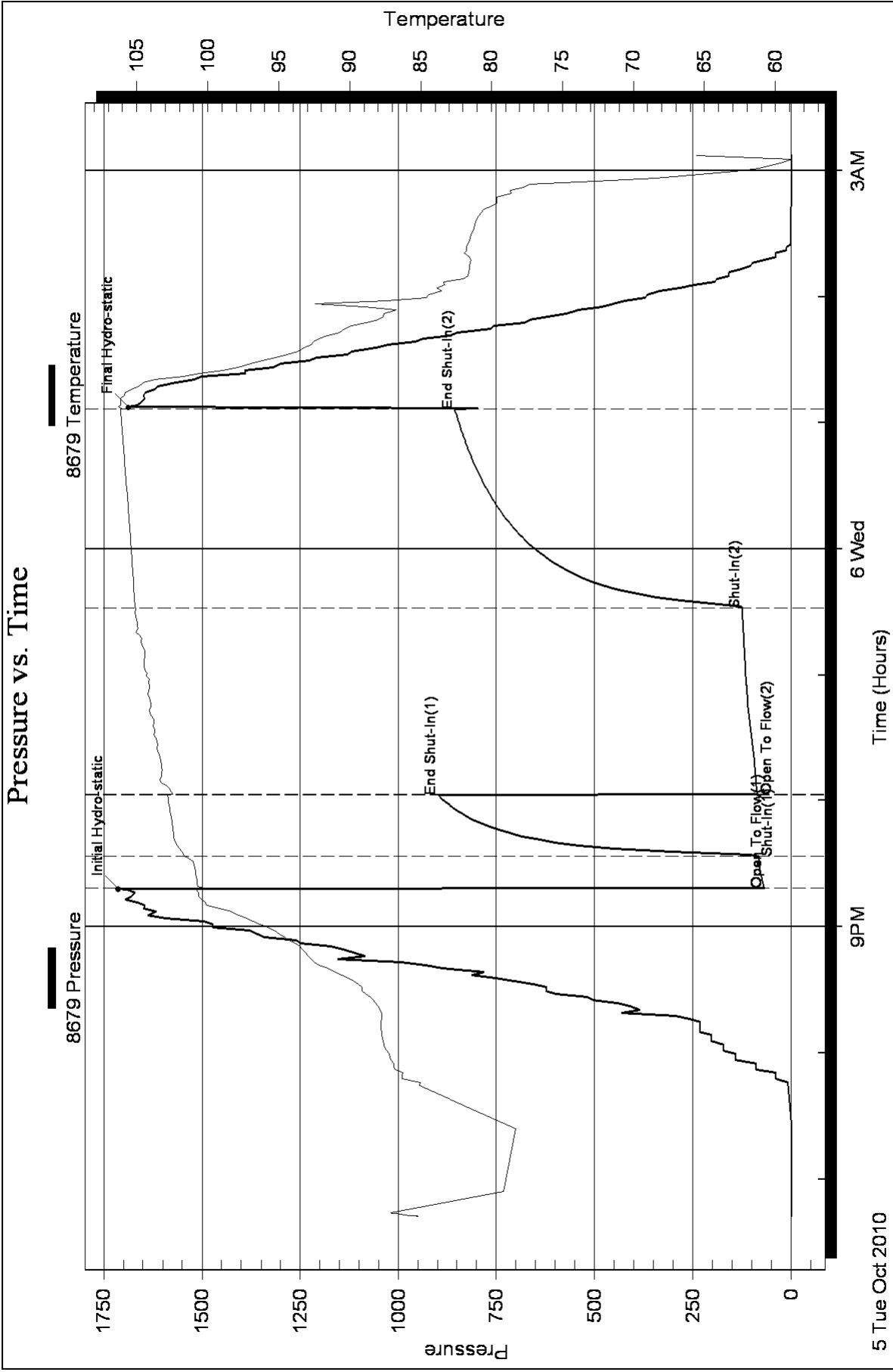
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	VSOCM 2%O98%M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





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Completion Systems

DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.06 @ 13:27:07

End Date: 2010.10.06 @ 21:27:37

Job Ticket #: 040908 DST #: 5

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260



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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

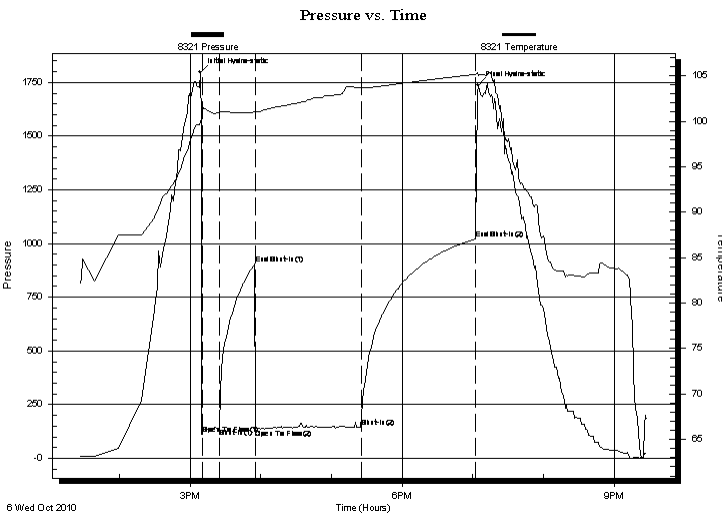
Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040908 **DST#: 5**
Test Start: 2010.10.06 @ 13:27:07

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:10:07
Time Test Ended: 21:27:37
Interval: **3507.00 ft (KB) To 3595.00 ft (KB) (TVD)**
Total Depth: 3595.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 145.85 psig @ 3574.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.06 End Date: 2010.10.06 Last Calib.: 2010.10.06
Start Time: 13:27:08 End Time: 21:27:37 Time On Btm: 2010.10.06 @ 15:08:37
Time Off Btm: 2010.10.06 @ 19:04:37

TEST COMMENT: IFP-Strong blow BOB in 1 min
ISI-Dead no blow back
FFP-Weak surface blow died in 20 min
FSI-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.59	99.85	Initial Hydro-static
2	111.48	100.74	Open To Flow (1)
17	139.86	100.94	Shut-In(1)
47	904.84	101.02	End Shut-In(1)
47	137.02	101.10	Open To Flow (2)
137	145.85	103.64	Shut-In(2)
234	1021.31	105.16	End Shut-In(2)
236	1737.18	105.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud	0.89

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040908 **DST#: 5**
Test Start: 2010.10.06 @ 13:27:07

Tool Information

Drill Pipe:	Length: 3133.00 ft	Diameter: 3.34 inches	Volume: 33.95 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 35.73 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3507.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3480.00	
Shut In Tool	5.00			3485.00	
Hydraulic tool	5.00			3490.00	
Jars	5.00			3495.00	
Safety Joint	3.00			3498.00	
Packer	4.00			3502.00	28.00 Bottom Of Top Packer
Packer	5.00			3507.00	
Stubb	1.00			3508.00	
Perforations	2.00			3510.00	
Change Over Sub	1.00			3511.00	
Drill Pipe	62.00			3573.00	
Change Over Sub	1.00			3574.00	
Recorder	0.00	8321	Inside	3574.00	
Recorder	0.00	8679	Outside	3574.00	
Perforations	18.00			3592.00	
Bullnose	3.00			3595.00	88.00 Bottom Packers & Anchor
Total Tool Length:	116.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 040908 **DST#: 5**
 Test Start: 2010.10.06 @ 13:27:07

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

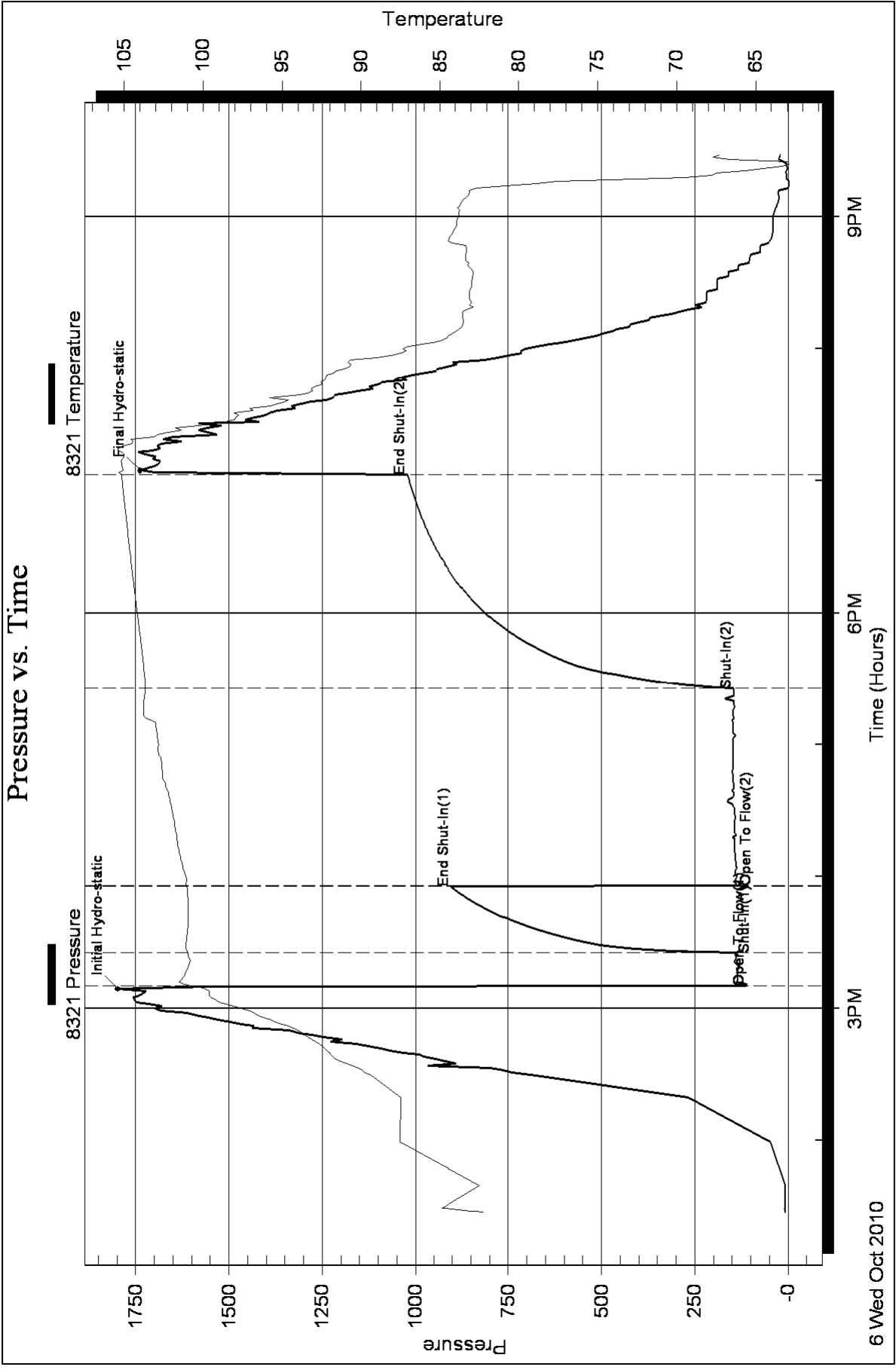
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Mud	0.885

Total Length: 180.00 ft Total Volume: 0.885 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





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Completion Systems

DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N. Bramblewood
Wichita KS 67206-1094

ATTN: Bruce Meyer

10-11s-19w Ellis,KS

Armbrister Unit #1

Start Date: 2010.10.07 @ 05:39:47

End Date: 2010.10.07 @ 14:00:47

Job Ticket #: 040909 DST #: 6

ALPINE OIL SERVICES CORPORATION
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DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040909 **DST#: 6**
Test Start: 2010.10.07 @ 05:39:47

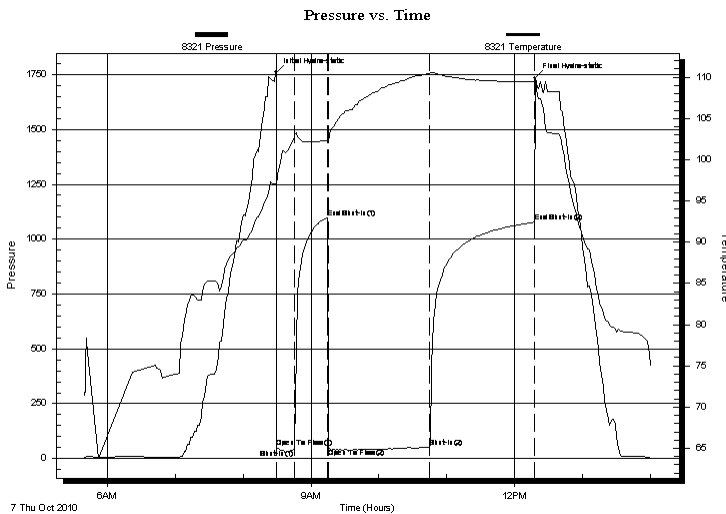
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:29:47
Time Test Ended: 14:00:47
Interval: **3593.00 ft (KB) To 3600.00 ft (KB) (TVD)**
Total Depth: 3600.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2074.00 ft (KB)
2069.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 51.30 psig @ 3594.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.10.07 End Date: 2010.10.07 Last Calib.: 2010.10.07
Start Time: 05:39:48 End Time: 14:00:47 Time On Btm: 2010.10.07 @ 08:29:17
Time Off Btm: 2010.10.07 @ 12:18:17

TEST COMMENT: IFP-Weak blow built to 1in
ISI-Dead no blow back
FFP-Weak blow built to 1 1/4 in
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.57	97.09	Initial Hydro-static
1	51.08	96.84	Open To Flow (1)
17	42.56	102.97	Shut-In(1)
46	1099.25	102.33	End Shut-In(1)
46	46.39	102.21	Open To Flow (2)
136	51.30	110.48	Shut-In(2)
228	1077.18	109.40	End Shut-In(2)
229	1734.63	109.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	WM with a oil spots 5%W95%M	0.02
60.00	MW 40%M60%W	0.30

Gas Rates

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



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Completion Systems

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206-1094
 ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
 Job Ticket: 040909 **DST#: 6**
 Test Start: 2010.10.07 @ 05:39:47

Tool Information

Drill Pipe:	Length: 3226.00 ft	Diameter: 3.34 inches	Volume: 34.96 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 36.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3593.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3565.00	
Shut In Tool	5.00			3570.00	
Hydraulic tool	5.00			3575.00	
Jars	5.00			3580.00	
Safety Joint	3.00			3583.00	
Change Over Sub	1.00			3584.00	
Packer - Shale	4.00			3588.00	
Packer	5.00			3593.00	29.00 Bottom Of Top Packer
Stubb	1.00			3594.00	
Recorder	0.00	8321	Inside	3594.00	
Recorder	0.00	8679	Outside	3594.00	
Perforations	3.00			3597.00	
Bullnose	3.00			3600.00	7.00 Anchor Tool

Total Tool Length: 36.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206-1094
ATTN: Bruce Meyer

Armbrister Unit #1
10-11s-19w Ellis,KS
Job Ticket: 040909 **DST#: 6**
Test Start: 2010.10.07 @ 05:39:47

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	WM with a oil spots 5%W95%M	0.025
60.00	MW 40%M60%W	0.295

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:

