



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 17 11 Barton KS

Bradley Unit #1

Start Date: 2008.01.12 @ 07:43:02

End Date: 2008.01.12 @ 13:33:32

Job Ticket #: 30285 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Carmen Schmitt

Bradley Unit #1

36 17 11 Barton KS

DST # 1

Lkc "A"

2008.01.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

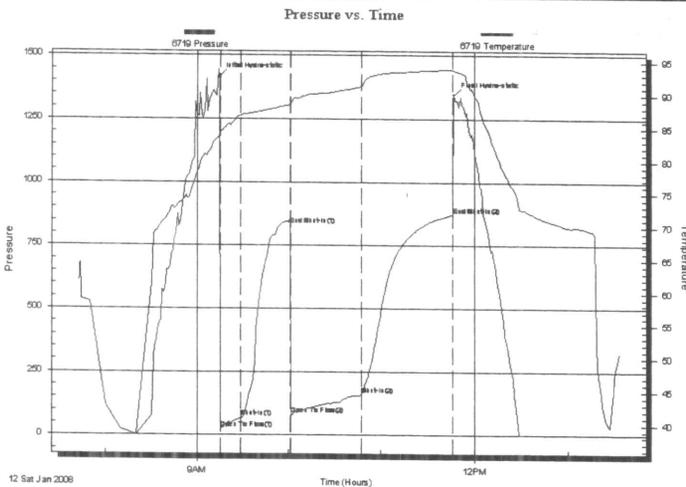
Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30285 **DST#: 1**
Test Start: 2008.01.12 @ 07:43:02

GENERAL INFORMATION:

Formation: **Lkc "A"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 09:15:32
Time Test Ended: 13:33:32
Interval: **2897.00 ft (KB) To 3030.00 ft (KB) (TVD)**
Total Depth: 3030.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1827.00 ft (KB)
1820.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6719 **Inside**
Press@RunDepth: 157.51 psig @ 2901.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.01.12 End Date: 2008.01.12 Last Calib.: 2008.01.12
Start Time: 07:43:04 End Time: 13:33:32 Time On Btm: 2008.01.12 @ 09:14:32
Time Off Btm: 2008.01.12 @ 11:47:02

TEST COMMENT: IF BOB 13 min
ISI Surface
FF BOB 17 min
FSI Surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1414.75	83.87	Initial Hydro-static
1	23.14	84.25	Open To Flow (1)
15	66.83	86.92	Shut-In(1)
47	828.65	88.54	End Shut-In(1)
48	77.93	88.69	Open To Flow (2)
94	157.51	91.32	Shut-In(2)
152	871.73	93.93	End Shut-In(2)
153	1344.79	93.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCW 5%G 55%W 40%M	0.30
250.00	GM 5%G 95%M	1.46

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30285 **DST#: 1**
Test Start: 2008.01.12 @ 07:43:02

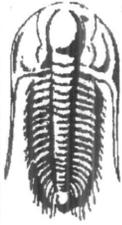
Tool Information

Drill Pipe:	Length: 2604.00 ft	Diameter: 3.82 inches	Volume: 36.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 285.00 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 38.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	2897.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	133.00 ft			
Tool Length:	161.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2870.00	
Shut In Tool	5.00			2875.00	
Hydraulic tool	5.00			2880.00	
Jars	5.00			2885.00	
Safety Joint	2.00			2887.00	
Packer	5.00			2892.00	28.00 Bottom Of Top Packer
Packer	5.00			2897.00	
Stubb	1.00			2898.00	
Perforations	2.00			2900.00	
Change Over Sub	1.00			2901.00	
Recorder	0.00	6719	Inside	2901.00	
Recorder	0.00	8360	Outside	2901.00	
Blank Spacing	124.00			3025.00	
Change Over Sub	1.00			3026.00	
Perforations	1.00			3027.00	
Bullnose	3.00			3030.00	133.00 Bottom Packers & Anchor
Total Tool Length:	161.00				



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FLUID SUMMARY

Carmen Schmitt
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30285 **DST#: 1**
Test Start: 2008.01.12 @ 07:43:02

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:	30000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

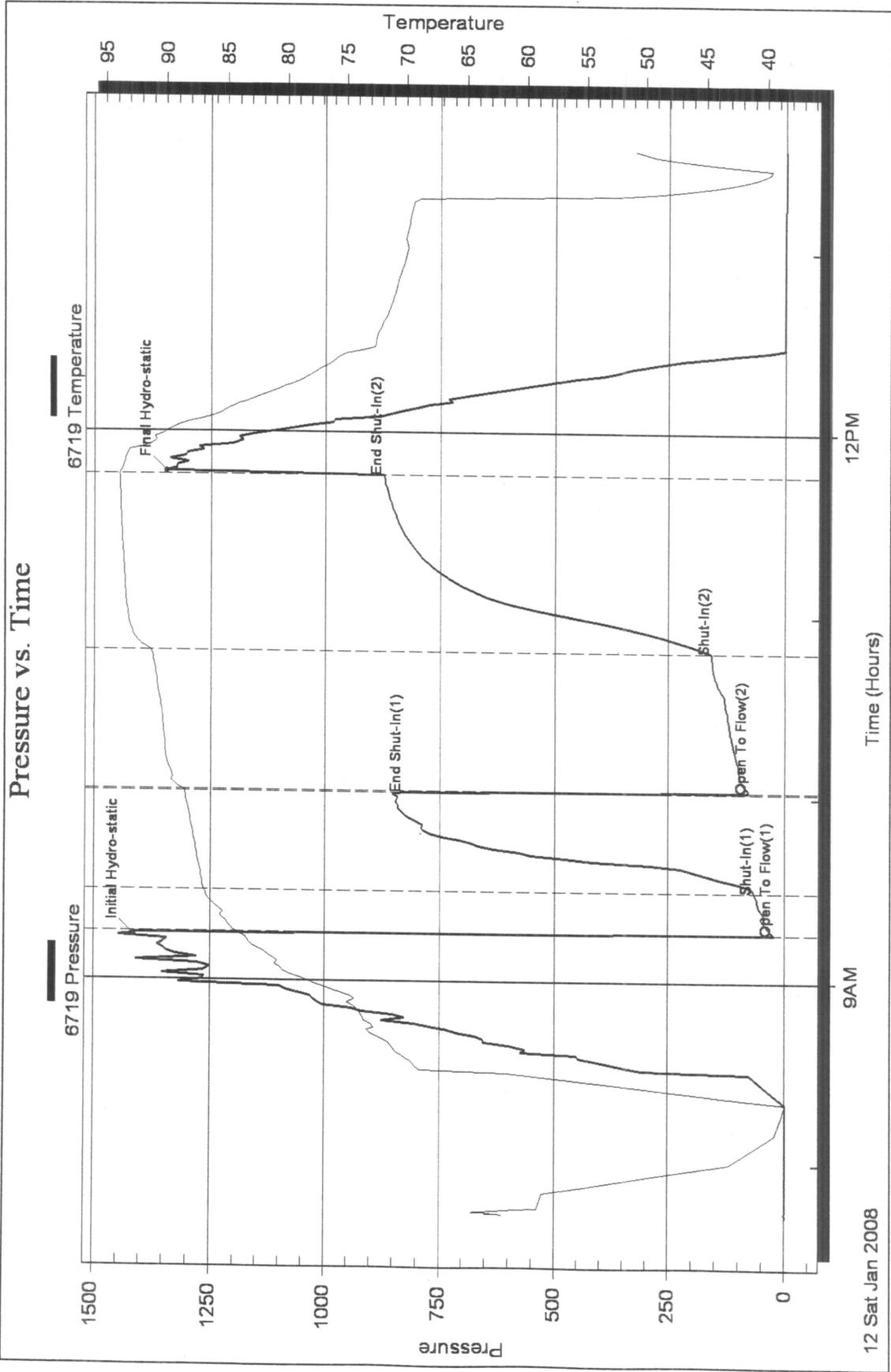
Recovery Information

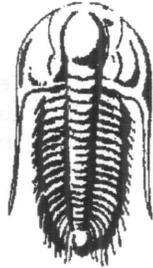
Recovery Table

Length ft	Description	Volume bbl
60.00	GMCW 5%G 55%W 40%M	0.295
250.00	GM 5%G 95%M	1.461

Total Length: 310.00 ft Total Volume: 1.756 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .3 @ 58 deg

Pressure vs. Time





**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 17 11 Barton KS

Bradley Unit #1

Start Date: 2008.01.13 @ 00:26:17

End Date: 2008.01.13 @ 08:00:47

Job Ticket #: 30286 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Carmen Schmitt

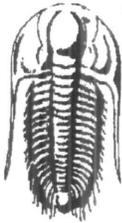
Bradley Unit #1

36 17 11 Barton KS

DST # 2

LKC "D-H"

2008.01.13



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TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

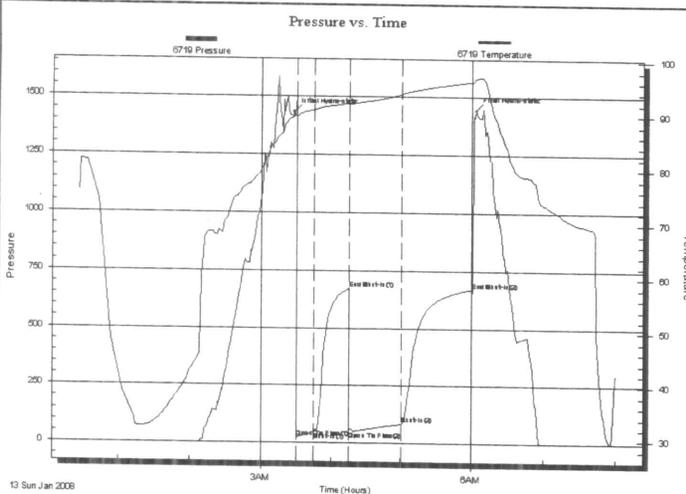
Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30286 **DST#: 2**
Test Start: 2008.01.13 @ 00:26:17

GENERAL INFORMATION:

Formation: **LKC "D-H"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:30:47
Time Test Ended: 08:00:47
Interval: **3045.00 ft (KB) To 3112.00 ft (KB) (TVD)**
Total Depth: 3112.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Kyle Kinderknecht
Unit No: 32
Reference Elevations: 1827.00 ft (KB)
1820.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6719 Inside
Press@RunDepth: 82.61 psig @ 3049.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.01.13 End Date: 2008.01.13 Last Calib.: 2008.01.13
Start Time: 00:26:19 End Time: 08:00:47 Time On Btm: 2008.01.13 @ 03:27:47
Time Off Btm: 2008.01.13 @ 06:03:17

TEST COMMENT: IF 2 1/2"
ISI No blow
FF 1 "
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1433.82	89.75	Initial Hydro-static
3	23.01	89.85	Open To Flow (1)
18	46.91	91.04	Shut-In(1)
48	670.99	92.18	End Shut-In(1)
48	48.83	92.09	Open To Flow (2)
93	82.61	94.02	Shut-In(2)
152	668.45	96.24	End Shut-In(2)
156	1444.32	96.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	DM	0.74

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30286 DST#: 2
Test Start: 2008.01.13 @ 00:26:17

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.18 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

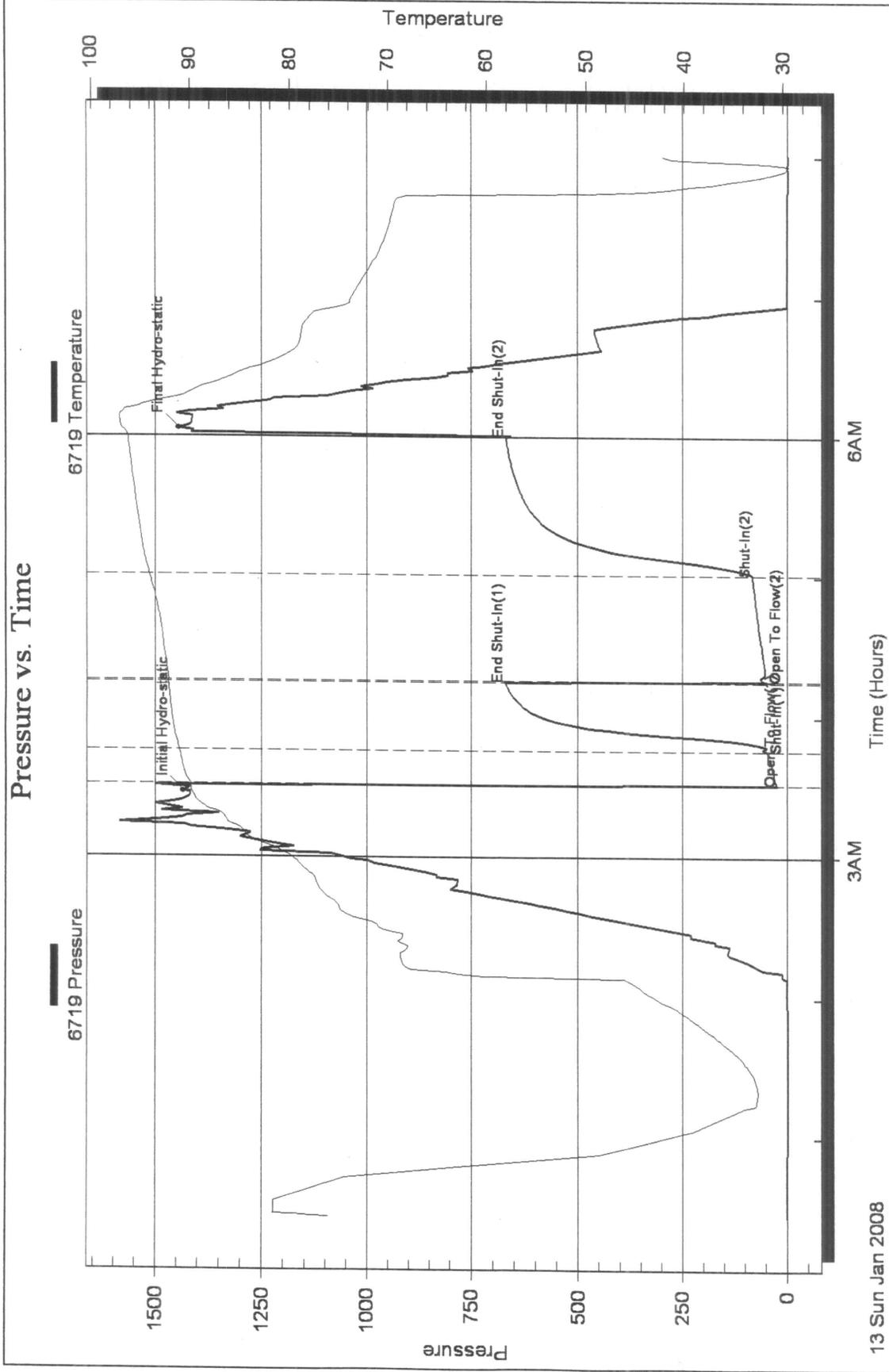
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	DM	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



13 Sun Jan 2008

3AM

6AM

Time (Hours)



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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 17 11 Barton KS

Bradley Unit #1

Start Date: 2008.01.14 @ 04:35:05
End Date: 2008.01.14 @ 08:46:45
Job Ticket #: 30246 DST #: 3

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



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DRILL STEM TEST REPORT

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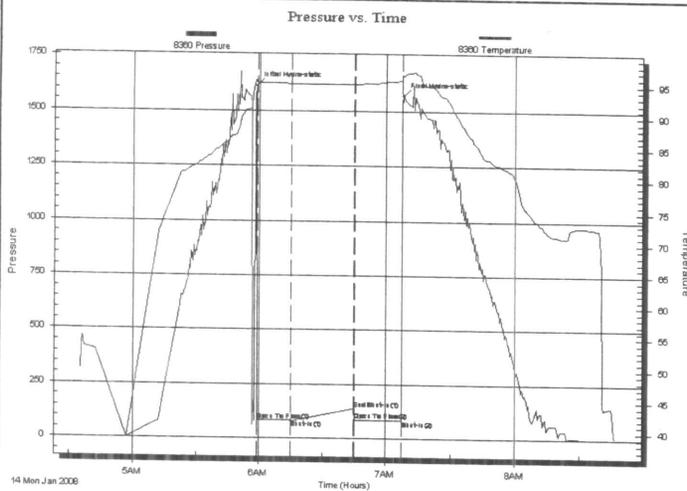
Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30246 DST#: 3
Test Start: 2008.01.14 @ 04:35:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:59:05
Time Test Ended: 08:46:45
Interval: **3259.00 ft (KB) To 3263.00 ft (KB) (TVD)**
Total Depth: 3263.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Kyle Kinderknecht
Unit No: 32
Reference Elevations: 1827.00 ft (KB)
1820.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8360 **Outside**
Press@RunDepth: 82.48 psig @ 3260.00 ft (KB)
Start Date: 2008.01.14 End Date: 2008.01.14
Start Time: 04:35:10 End Time: 08:46:45
Capacity: 7000.00 psig
Last Calib.: 2008.01.14
Time On Btm: 2008.01.14 @ 05:58:45
Time Off Btm: 2008.01.14 @ 07:08:05

TEST COMMENT: IF Weak Surface
ISI No blow
FF No blow flushed tool surge then no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.84	95.64	Initial Hydro-static
1	81.73	95.07	Open To Flow (1)
17	82.48	95.15	Shut-In(1)
46	138.24	95.14	End Shut-In(1)
47	83.12	95.12	Open To Flow (2)
69	85.72	95.66	Shut-In(2)
70	1568.67	96.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Mud	0.49

Gas Rates

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



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TOOL DIAGRAM

Carmen Schmitt
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30246 **DST#: 3**
Test Start: 2008.01.14 @ 04:35:05

Tool Information

Drill Pipe:	Length: 2973.00 ft	Diameter: 3.82 inches	Volume: 42.14 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 285.00 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 43.54 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3259.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	4.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3232.00	
Shut In Tool	5.00			3237.00	
Hydraulic tool	5.00			3242.00	
Jars	5.00			3247.00	
Safety Joint	2.00			3249.00	
Packer	5.00			3254.00	28.00 Bottom Of Top Packer
Packer	5.00			3259.00	
Stubb	1.00			3260.00	
Recorder	0.00	6719	Inside	3260.00	
Recorder	0.00	8360	Outside	3260.00	
Bullnose	3.00			3263.00	4.00 Bottom Packers & Anchor

Total Tool Length: 32.00



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Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30246 **DST#: 3**
Test Start: 2008.01.14 @ 04:35:05

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Mud	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

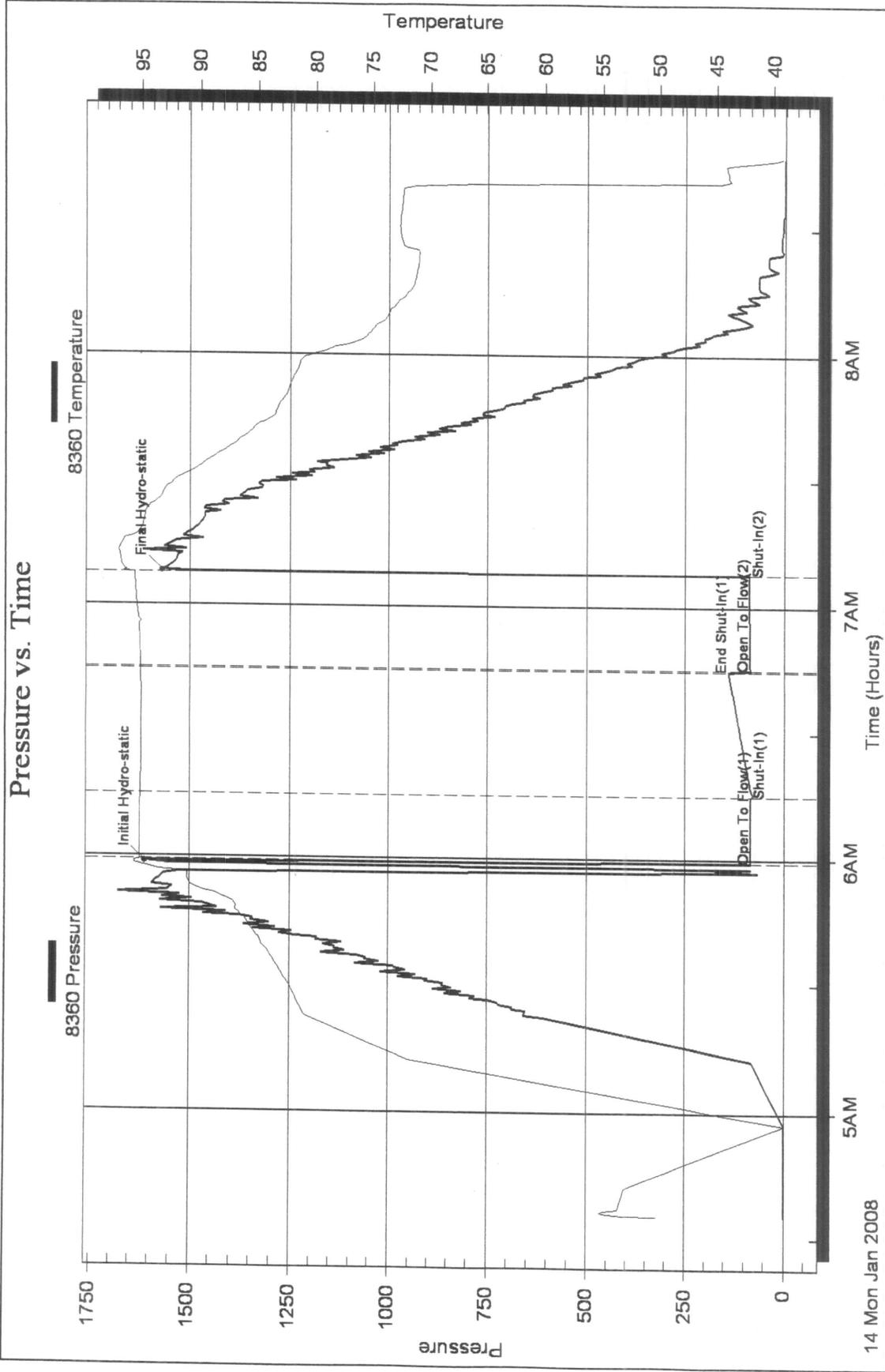
Serial #: 8360

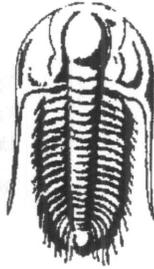
Outside

Carmen Schmitt

36 17 11 Barton KS

DST Test Number: 3





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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 17 11 Barton KS

Bradley Unit #1

Start Date: 2008.01.14 @ 12:58:55

End Date: 2008.01.14 @ 21:02:55

Job Ticket #: 30247 DST #: 4

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PO Box 362 Hays, KS 67601

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

Carmen Schmitt

Bradley Unit #1

36 17 11 Barton KS

DST # 4

Arbuckle

2008.01.14



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ATTN: Jacob Porter

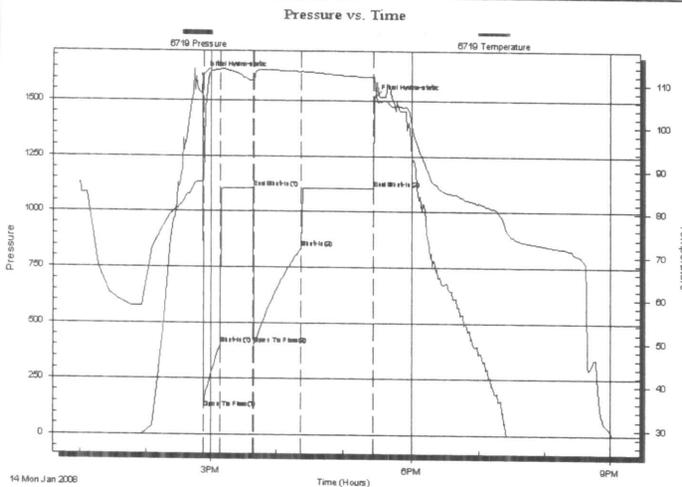
Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30247 **DST#: 4**
Test Start: 2008.01.14 @ 12:58:55

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:53:25
Time Test Ended: 21:02:55
Interval: **3260.00 ft (KB) To 3268.00 ft (KB) (TVD)**
Total Depth: 3268.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32
Reference Elevations: 1827.00 ft (KB)
1820.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6719 Inside
Press@RunDepth: 834.13 psig @ 3262.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.01.14 End Date: 2008.01.14 Last Calib.: 2008.01.14
Start Time: 12:58:57 End Time: 21:02:55 Time On Btm: 2008.01.14 @ 14:52:25
Time Off Btm: 2008.01.14 @ 17:26:55

TEST COMMENT: IFP Strong Blow BOB in 1-3/4 Min.
ISI Dead
FFP Strong Blow BOB in 2 Min.
FSI Blow back Built to 1 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.32	87.43	Initial Hydro-static
1	118.19	87.79	Open To Flow (1)
16	399.57	113.30	Shut-In (1)
47	1105.62	110.77	End Shut-In(1)
47	402.72	110.47	Open To Flow (2)
90	834.13	112.89	Shut-In(2)
154	1105.99	111.61	End Shut-In(2)
155	1513.13	111.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
855.00	Muddy Water 95%W-5%M	9.48
240.00	VSOCMW-5%O-9%W-5%M	3.40
480.00	SOCMW 15%O 80%W 5%M	6.80
240.00	HOCMW 40%O 55%W 5%M	3.40
90.00	Free Oil	1.28
0.00	30' GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30247 **DST#: 4**
Test Start: 2008.01.14 @ 12:58:55

Tool Information

Drill Pipe:	Length: 2981.00 ft	Diameter: 3.82 inches	Volume: 42.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 285.00 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 43.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3260.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	29.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3240.00	
Shut In Tool	5.00			3245.00	
Hydraulic tool	5.00			3250.00	
Packer	5.00			3255.00	21.00 Bottom Of Top Packer
Packer	5.00			3260.00	
Stubb	1.00			3261.00	
Perforations	1.00			3262.00	
Recorder	0.00	6719	Inside	3262.00	
Perforations	3.00			3265.00	
Recorder	0.00	8360	Outside	3265.00	
Bullnose	3.00			3268.00	8.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



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FLUID SUMMARY

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ATTN: Jacob Porter

Bradley Unit #1
36 17 11 Barton KS
Job Ticket: 30247 **DST#: 4**
Test Start: 2008.01.14 @ 12:58:55

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 20000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 12000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
855.00	Muddy Water 95%W-5%M	9.482
240.00	VSOCMW-5%O-9%W-5%M	3.402
480.00	SOCMW 15%O 80%W 5%M	6.804
240.00	HOCMW 40%O 55%W 5%M	3.402
90.00	Free Oil	1.276
0.00	30' GIP	0.000

Total Length: 1905.00 ft Total Volume: 24.366 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6719

Inside

Carmen Schmitt

36 17 11 Barton KS

DST Test Number: 4

