

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

36 14S 19W Ellis KS

Befort #1

Start Date: 2010.07.20 @ 07:45:53
End Date: 2010.07.20 @ 15:08:23
Job Ticket #: 36808 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
MAR 14 2011
KCC WICHITA

Prospect Oil & Gas
Befort #1
36 14S 19W Ellis KS
DST # 1
ARB.
2010.07.20

DRILL STEM TEST REPORT

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36808 **DST#: 1**

Test Start: 2010.07.20 @ 07:45:53

GENERAL INFORMATION:

Formation: **ARB.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:31:53
Time Test Ended: 15:08:23

Test Type: Conventional Straddle
Tester: Brett Dickinson
Unit No: 47

Interval: 3575.00 ft (KB) To 3678.00 ft (KB) (TVD)
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

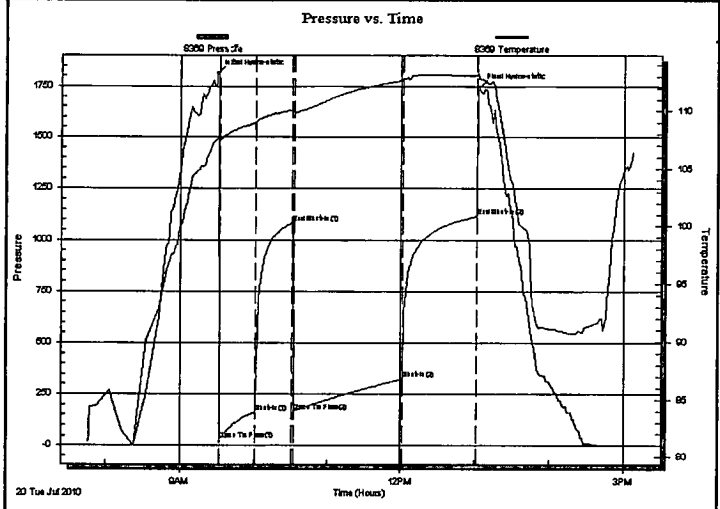
Reference Elevations: 2052.00 ft (KB)
2047.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**

Press@RunDepth: 325.63 psig @ 3576.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 07:45:58 End Time: 15:08:22

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm: 2010.07.20 @ 09:29:53
Time Off Btm: 2010.07.20 @ 13:03:23

TEST COMMENT: IF-1.5in blow died back to .25in blow
ISI-No blow
FF-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1811.62	107.57	Initial Hydro-static
2	27.92	107.38	Open To Flow (1)
32	161.80	109.04	Shut-In(1)
61	1082.53	110.06	End Shut-In(1)
62	167.32	109.82	Open To Flow (2)
152	325.63	112.72	Shut-In(2)
212	1114.73	113.09	End Shut-In(2)
214	1746.30	112.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	MCW 30%M 70%W	2.07
240.00	Oilspotted VSWCM 10%W 90%M	3.37
120.00	Oilscum Mud	1.68
30.00	Free Oil	0.42

Gas Rates

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

DRILL STEM TEST REPORT

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36808 **DST#: 1**

Test Start: 2010.07.20 @ 07:45:53

GENERAL INFORMATION:

Formation: **ARB.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:31:53
Time Test Ended: 15:08:23

Test Type: Conventional Straddle
Tester: Brett Dickinson
Unit No: 47

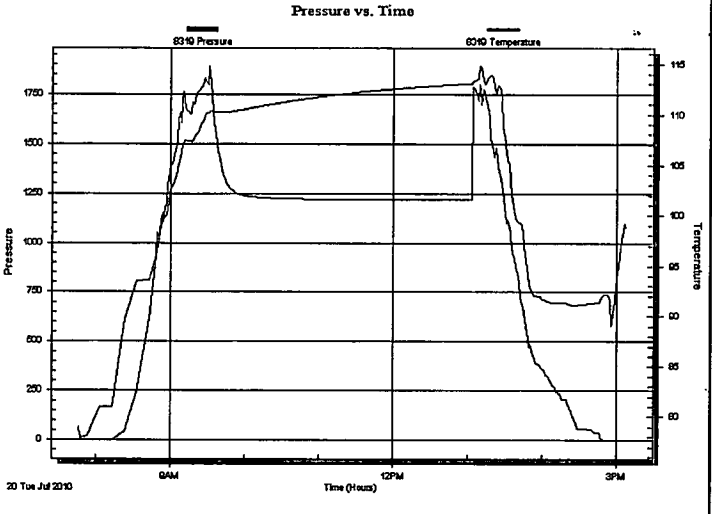
Interval: 3575.00 ft (KB) To 3678.00 ft (KB) (TVD)
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2052.00 ft (KB)
2047.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8319 **Below (Straddle)**
Press@RunDepth: psig @ 3679.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 07:45:55 End Time: 15:07:19

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-1.5in blow died back to .25in blow
ISI-No blow
FF-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
270.00	MCW 30%M 70%W	2.07
240.00	Oilspotted VSWCM 10%W 90%M	3.37
120.00	Oilscum Mud	1.68
30.00	Free Oil	0.42

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36808 **DST#: 1**

Test Start: 2010.07.20 @ 07:45:53

Tool Information

Drill Pipe:	Length:	3328.00 ft	Diameter:	3.80 inches	Volume:	46.68 bbl	
Heavy Wt. Pipe:	Length:	247.00 ft	Diameter:	2.70 inches	Volume:	1.75 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	48.43 bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	3575.00 ft
Depth to Bottom Packer:	3678.00 ft
Interval betw een Packers:	103.00 ft
Tool Length:	206.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	48000.00 lb
Tool Chased	ft
String Weight: Initial	48000.00 lb
Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3556.00		
Shut In Tool	5.00			3561.00		
Hydraulic tool	5.00			3566.00		
Packer	4.00			3570.00	20.00	Bottom Of Top Packer
Packer	5.00			3575.00		
Stubb	1.00			3576.00		
Recorder	0.00	8369	Inside	3576.00		
Perforations	4.00			3580.00		
Change Over Sub	1.00			3581.00		
Drill Pipe	90.00			3671.00		
Change Over Sub	1.00			3672.00		
Perforations	2.00			3674.00		
Recorder	0.00	6719	Inside	3674.00		
Blank Off Sub	1.00			3675.00		
Blank Spacing	3.00			3678.00	103.00	Tool Interval
Packer	0.00			3678.00		
Stubb	1.00			3679.00		
Recorder	0.00	8319	Below	3679.00		
Perforations	2.00			3681.00		
Change Over Sub	1.00			3682.00		
Blank Spacing	60.00			3742.00		
Change Over Sub	1.00			3743.00		
Perforations	15.00			3758.00		
Bullnose	3.00			3761.00	83.00	Bottom Packers & Anchor
Total Tool Length:	**206.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36808 **DST#: 1**

Test Start: 2010.07.20 @ 07:45:53

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	27 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

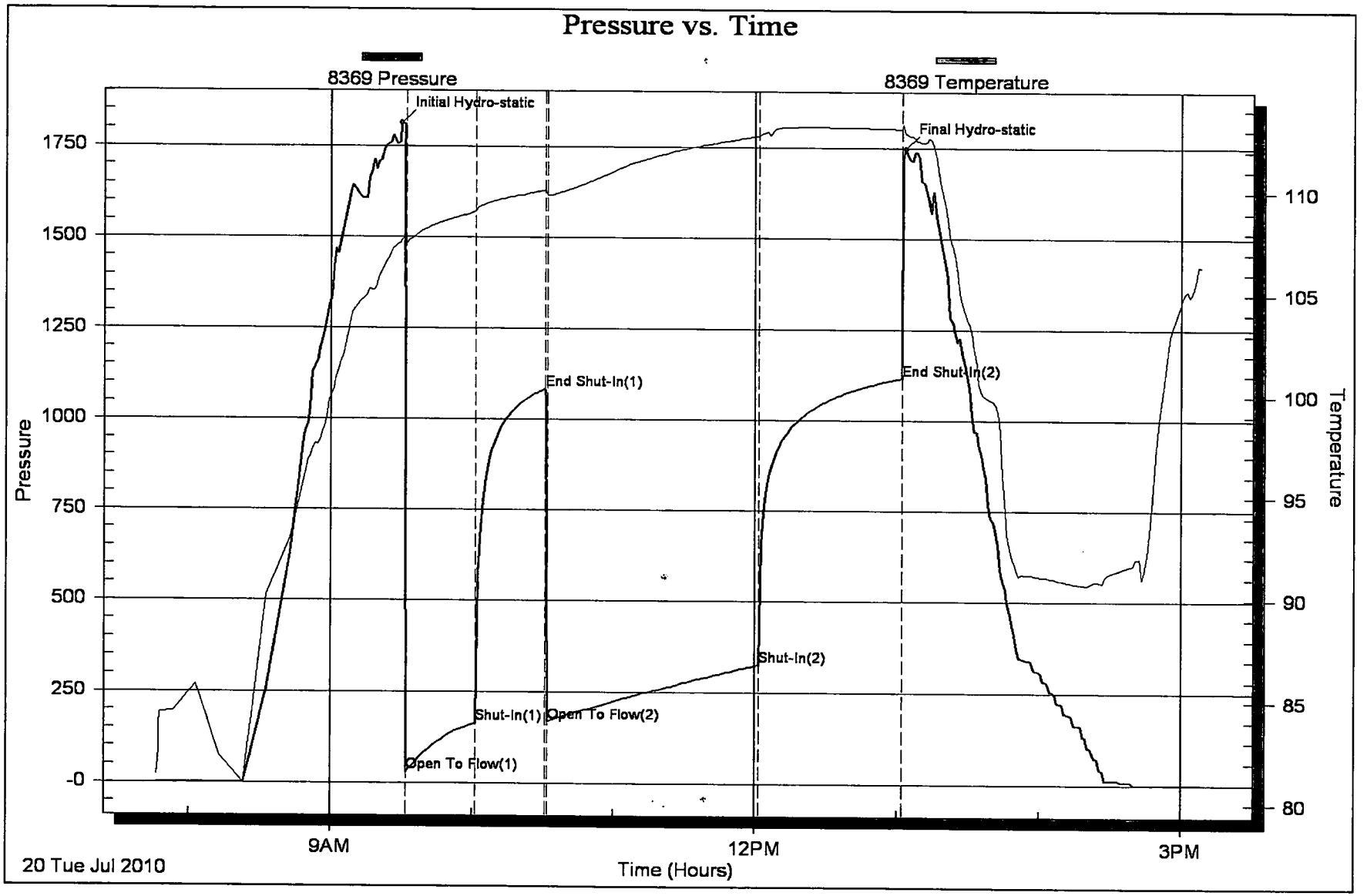
Length ft	Description	Volume bbl
270.00	MCW 30%M 70%W	2.072
240.00	Oilspotted VSWCM 10%W 90%M	3.367
120.00	Oilscum Mud	1.683
30.00	Free Oil	0.421

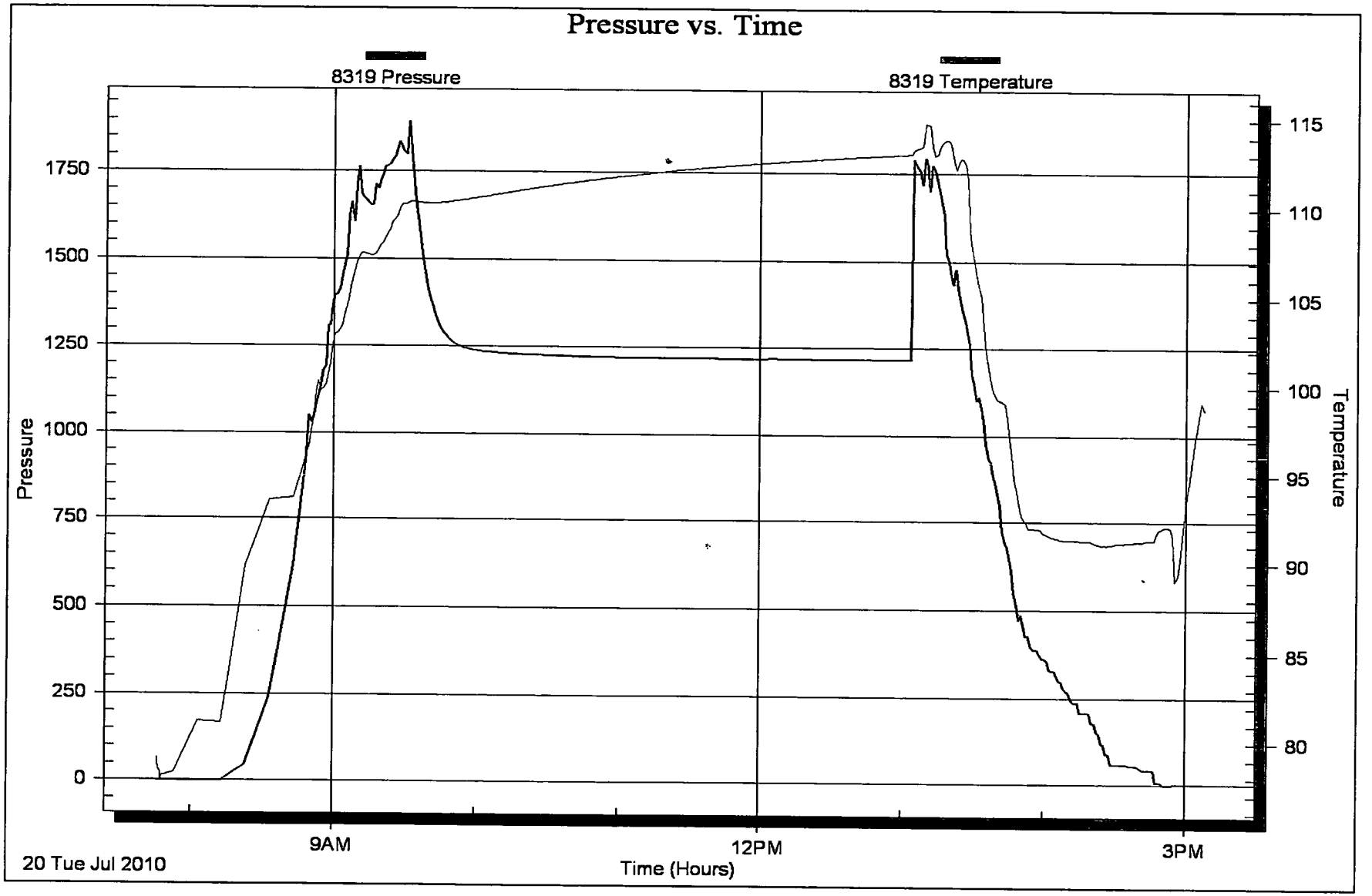
Total Length: 660.00 ft Total Volume: 7.543 bbl

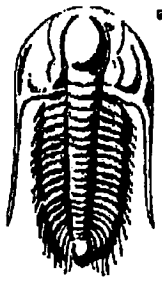
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8369 Pressure
8369 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)
1750
1500
1250
1000
750
500
250
-0
Pressure
110
105
100
95
90
85
80
Temperature
9AM
12PM
3PM
20 Tue Jul 2010
Time (Hours)


Pressure vs. Time
8319 Pressure
8319 Temperature
1750
1500
1250
1000
750
500
250
0
Pressure
115
110
105
100
95
90
85
80
Temperature
9AM
12PM
3PM
20 Tue Jul 2010
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

36 14S 19W Ellis KS

Befort #1

Start Date: 2010.07.20 @ 15:47:40
End Date: 2010.07.20 @ 22:35:10
Job Ticket #: 36809 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36809 **DST#: 2**

Test Start: 2010.07.20 @ 15:47:40

GENERAL INFORMATION:

Formation: **ARB**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:44:40
Time Test Ended: 22:35:10

Test Type: Conventional Straddle
Tester: Brett Dickinson
Unit No: 47

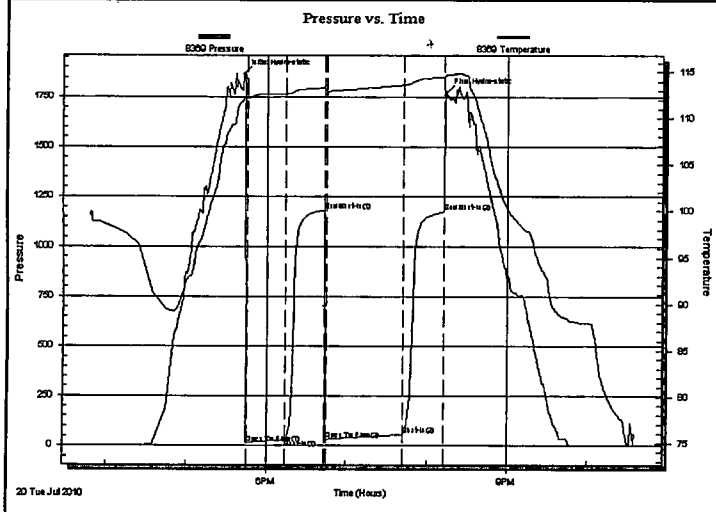
Interval: 3662.00 ft (KB) To 3672.00 ft (KB) (TVD)
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2052.00 ft (KB)
2047.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: 56.29 psig @ 3663.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 15:47:45 End Time: 22:35:09

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm: 2010.07.20 @ 17:42:10
Time Off Btm: 2010.07.20 @ 20:13:39

TEST COMMENT: IF-2in blow
ISI-No Blow
FF-.75in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1867.04	111.99	Initial Hydro-static
3	12.92	112.23	Open To Flow (1)
32	29.53	112.67	Shut-In(1)
61	1181.00	113.34	End Shut-In(1)
63	31.76	113.01	Open To Flow (2)
120	56.29	113.65	Shut-In(2)
151	1172.76	114.45	End Shut-In(2)
152	1776.55	114.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VSoWCM 5%O 40%W 55%M	0.39
50.00	Free Oil	0.35

Gas Rates

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

DRILL STEM TEST REPORT

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36809 **DST#: 2**

Test Start: 2010.07.20 @ 15:47:40

GENERAL INFORMATION:

Formation: **ARB**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:44:40
Time Test Ended: 22:35:10

Test Type: Conventional Straddle
Tester: Brett Dickinson
Unit No: 47

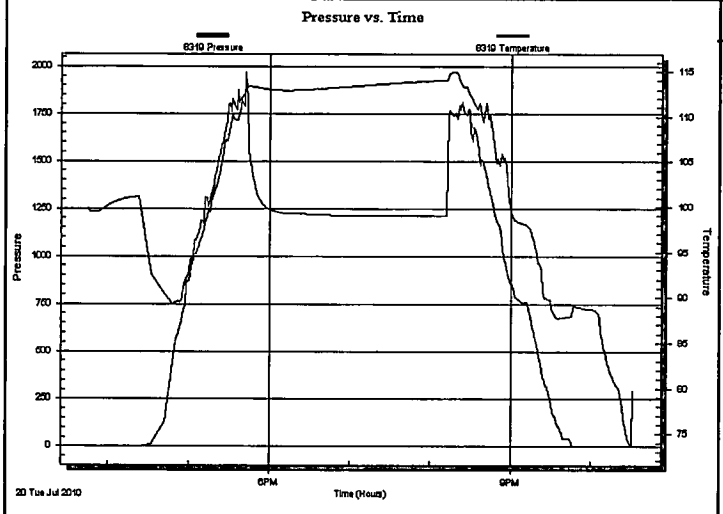
Interval: 3662.00 ft (KB) To 3672.00 ft (KB) (TVD)
Total Depth: 3760.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2052.00 ft (KB)
2047.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8319 **Below (Straddle)**
Press@RunDepth: psig @ 3673.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 15:45:45 End Time: 22:32:09

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-2in blow
ISI-No Blow
FF-.75in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VSoWCM 5%O 40%W 55%M	0.39
50.00	Free Oil	0.35

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36809 **DST#: 2**

Test Start: 2010.07.20 @ 15:47:40

Tool Information

Drill Pipe:	Length:	3420.00 ft	Diameter:	3.80 inches	Volume:	47.97 bbl	
Heavy Wt. Pipe:	Length:	247.00 ft	Diameter:	2.70 inches	Volume:	1.75 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	49.72 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	3662.00 ft
Depth to Bottom Packer:	3672.00 ft
Interval between Packers:	10.00 ft
Tool Length:	119.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	lb
Tool Chased	ft
String Weight: Initial	48000.00 lb
Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3643.00		
Shut In Tool	5.00			3648.00		
Hydraulic tool	5.00			3653.00		
Packer	4.00			3657.00	20.00	Bottom Of Top Packer
Packer	5.00			3662.00		
Stubb	1.00			3663.00		
Recorder	0.00	8369	Inside	3663.00		
Perforations	5.00			3668.00		
Recorder	0.00	6719	Inside	3668.00		
Blank Off Sub	1.00			3669.00		
Blank Spacing	3.00			3672.00	10.00	Tool Interval
Packer	0.00			3672.00		
Stubb	1.00			3673.00		
Recorder	0.00	8319	Below	3673.00		
Perforations	3.00			3676.00		
Change Over Sub	1.00			3677.00		
Blank Spacing	60.00			3737.00		
Change Over Sub	1.00			3738.00		
Perforations	20.00			3758.00		
Bullnose	3.00			3761.00	89.00	Bottom Packers & Anchor
Total Tool Length:	**119.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

PO Box 837
Russell Ks 67665

ATTN: Brad Hutchison

Befort #1

36 14S 19W Ellis KS

Job Ticket: 36809 **DST#: 2**

Test Start: 2010.07.20 @ 15:47:40

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	27 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

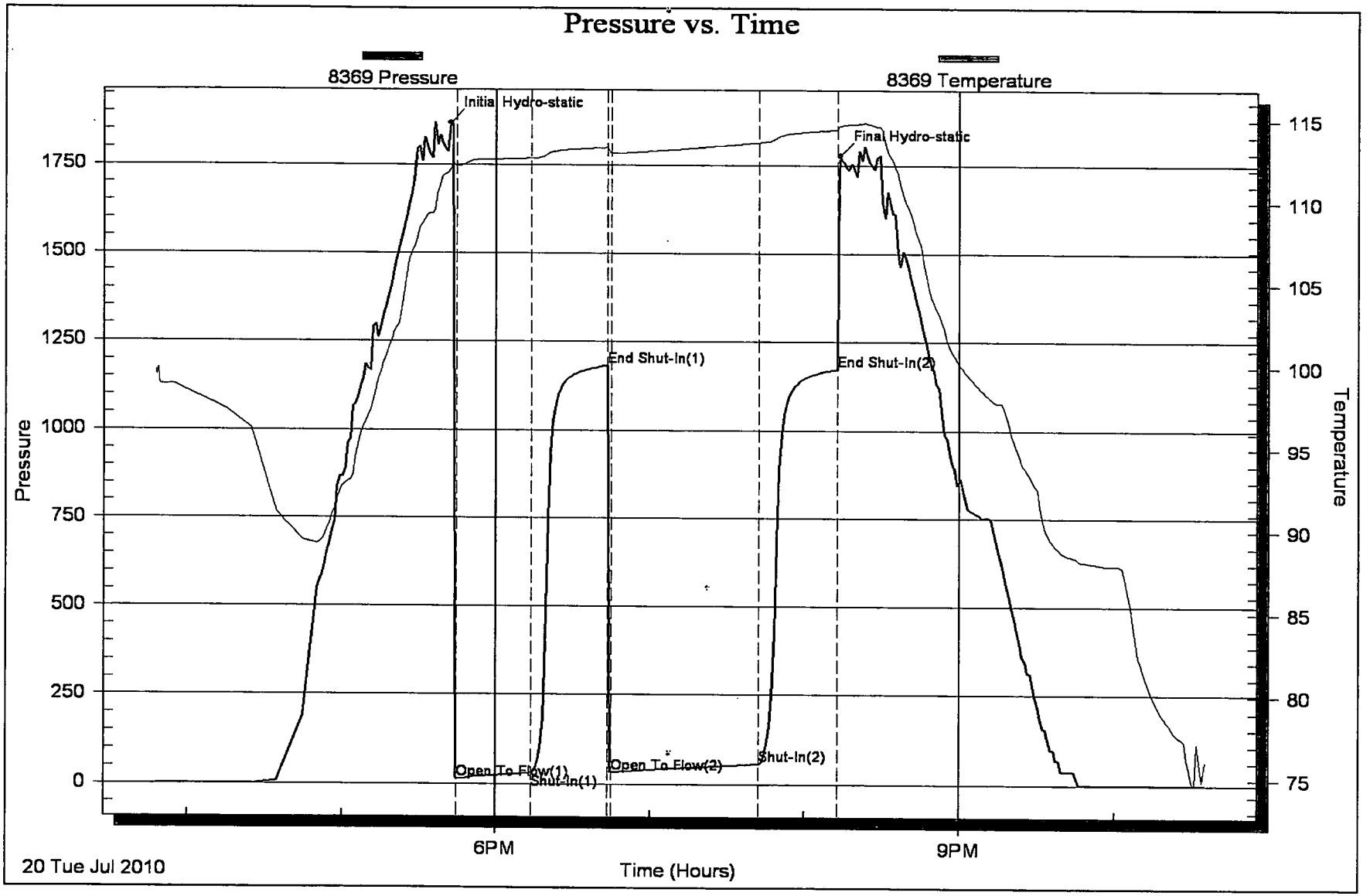
Length ft	Description	Volume bbl
55.00	VSoWCM 5%O 40%W 55%M	0.389
50.00	Free Oil	0.354

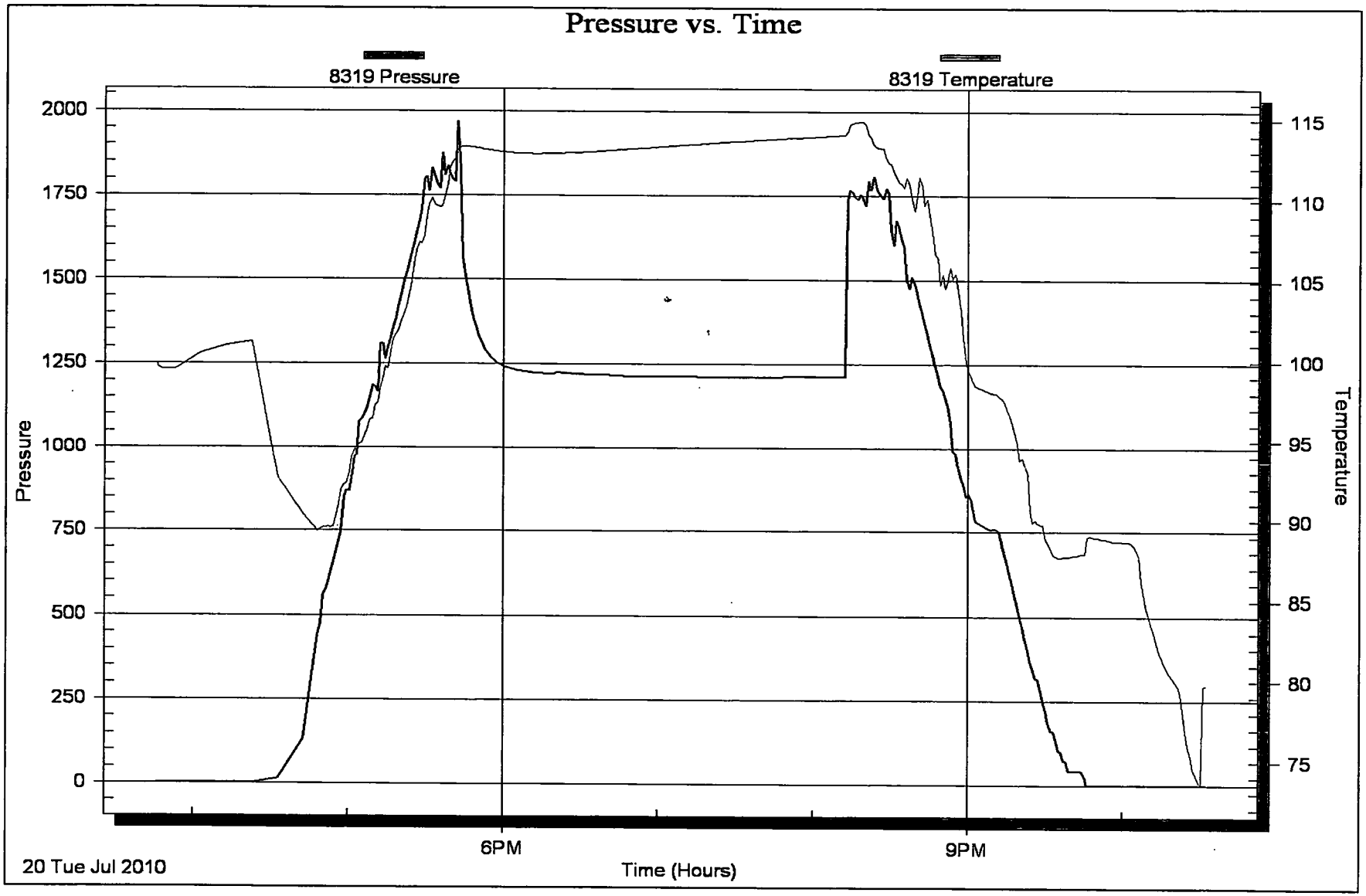
Total Length: 105.00 ft Total Volume: 0.743 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8369 Pressure
8369 Temperature
Initia 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
1750
1500
1250
1000
750
500
250
0
115
110
105
100
95
90
85
80
75
6PM
9PM
Time (Hours)
20 Tue Jul 2010


Pressure vs. Time
8319 Pressure
8319 Temperature
2000
1750
1500
1250
1000
750
500
250
0
Pressure
115
110
105
100
95
90
85
80
75
Temperature
6PM
9PM
Time (Hours)
20 Tue Jul 2010