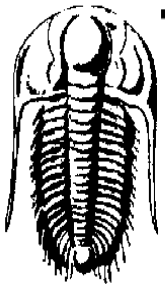


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.02 @ 23:05:41
End Date: 2013.03.03 @ 03:38:26
Job Ticket #: 50540 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.14 @ 11:41:52

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50540 **DST#: 1**

Test Start: 2013.03.02 @ 23:05:41

GENERAL INFORMATION:

Formation: **Compton Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:48:41
Time Test Ended: 03:38:26

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3187.00 ft (KB) To 3243.00 ft (KB) (TVD)
Total Depth: 3243.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

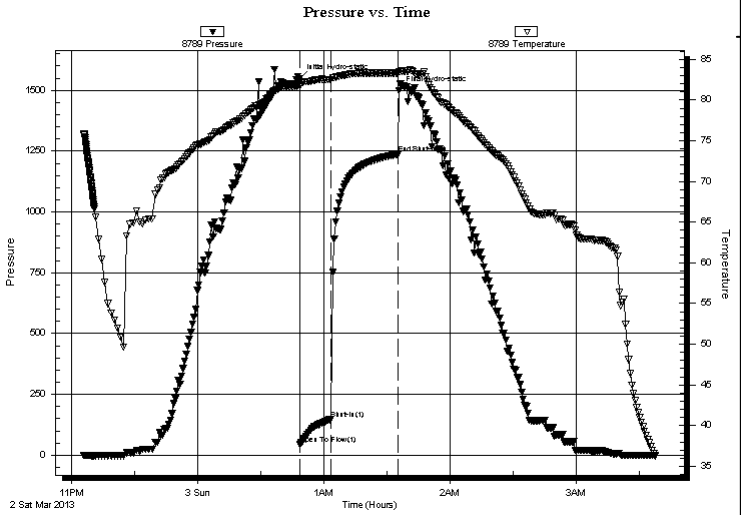
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**

Press@RunDepth: 148.25 psig @ 3225.00 ft (KB)
Start Date: 2013.03.02 End Date: 2013.03.03
Start Time: 23:05:43 End Time: 03:38:26

Capacity: 8000.00 psig
Last Calib.: 2013.03.03
Time On Btm: 2013.03.03 @ 00:48:26
Time Off Btm: 2013.03.03 @ 01:35:41

TEST COMMENT: IFP-Good Blow , BOB in 7 Min.
ISI-Dead,Pull Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.58	82.16	Initial Hydro-static
1	43.98	81.74	Open To Flow (1)
15	148.25	82.55	Shut-In(1)
47	1237.67	83.33	End Shut-In(1)
48	1498.15	83.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Muddy Water-60%W-40%M	1.81

Gas Rates

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

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50540 **DST#: 1**

Test Start: 2013.03.02 @ 23:05:41

GENERAL INFORMATION:

Formation: **Compton Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:48:41
Time Test Ended: 03:38:26

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3187.00 ft (KB) To 3243.00 ft (KB) (TVD)
Total Depth: 3243.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

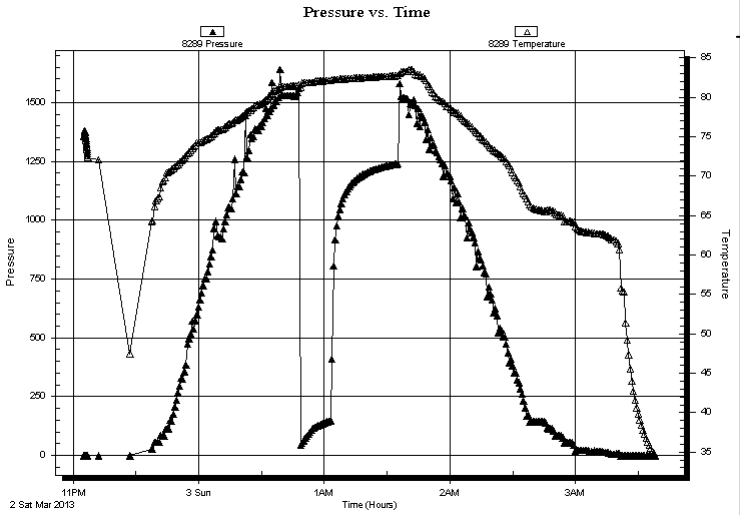
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3225.00 ft (KB)
Start Date: 2013.03.02 End Date: 2013.03.03
Start Time: 23:05:13 End Time: 03:38:41

Capacity: 8000.00 psig
Last Calib.: 2013.03.03
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Good Blow , BOB in 7 Min.
ISI-Dead,Pull Tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Muddy Water-60%W-40%M	1.81

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50540 **DST#: 1**

Test Start: 2013.03.02 @ 23:05:41

Tool Information

Drill Pipe:	Length:	2995.00 ft	Diameter:	3.80	inches	Volume:	42.01	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	186.00 ft	Diameter:	2.25	inches	Volume:	0.91	bbl	
						Total Volume:	42.92	bbl	

Drill Pipe Above KB:	22.00 ft
Depth to Top Packer:	3187.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	56.00 ft
Tool Length:	84.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		55000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	50000.00 lb
	Final	52000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3160.00		
Shut In Tool	5.00			3165.00		
Hydraulic tool	5.00			3170.00		
Jars	5.00			3175.00		
Safety Joint	2.00			3177.00		
Packer	5.00			3182.00	28.00	Bottom Of Top Packer
Packer	5.00			3187.00		
Stubb	1.00			3188.00		
Perforations	3.00			3191.00		
Change Over Sub	1.00			3192.00		
Blank Spacing	32.00			3224.00		
Change Over Sub	1.00			3225.00		
Recorder	0.00	8789	Inside	3225.00		
Recorder	0.00	8289	Outside	3225.00		
Perforations	15.00			3240.00		
Bullnose	3.00			3243.00	56.00	Bottom Packers & Anchor
Total Tool Length:	**84.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50540 **DST#: 1**

Test Start: 2013.03.02 @ 23:05:41

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:	70000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	350.00 ppm				
Filter Cake:	inches				

Recovery Information

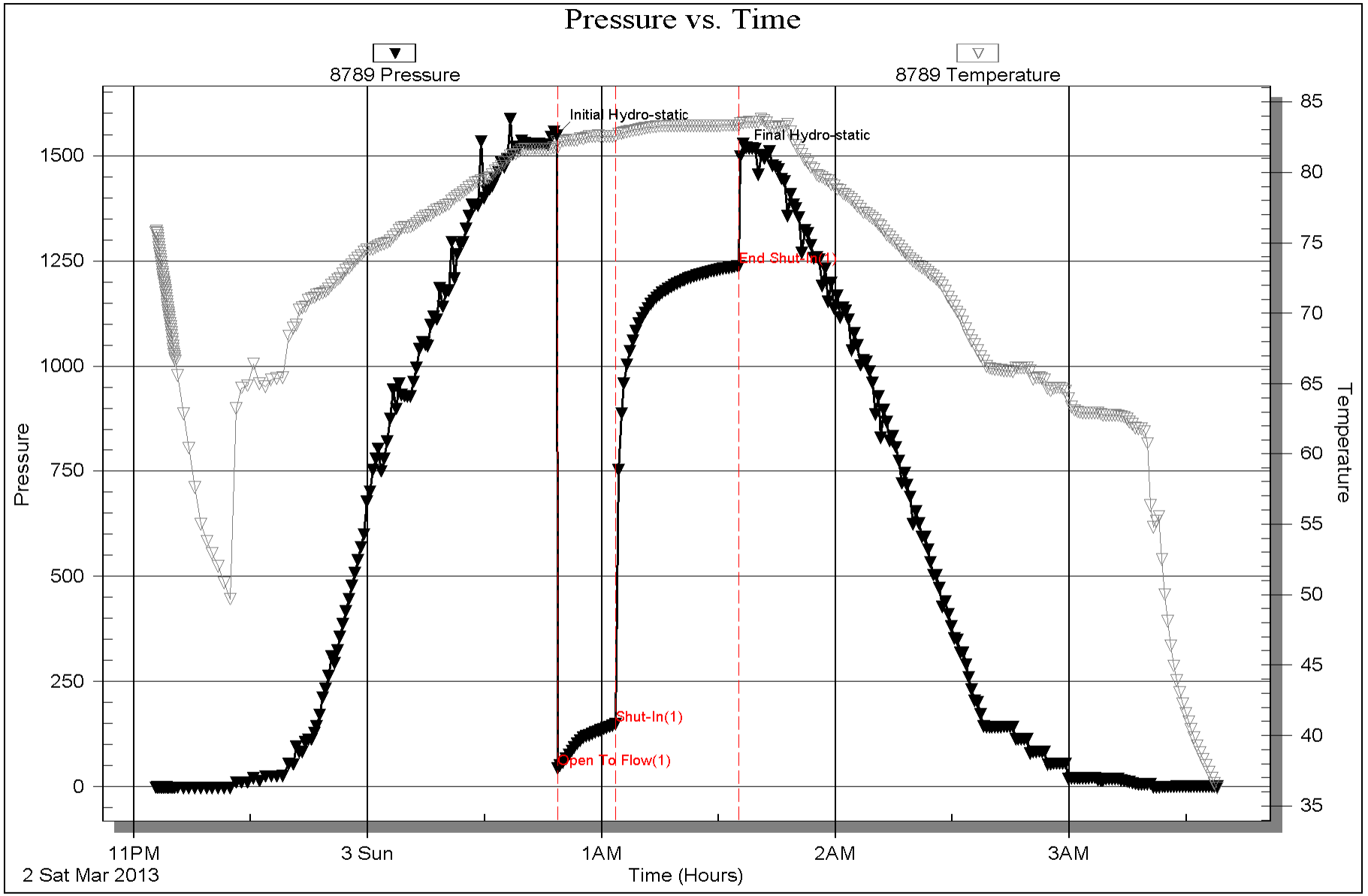
Recovery Table

Length ft	Description	Volume bbl
250.00	Muddy Water-60%W-40%M	1.812

Total Length: 250.00 ft Total Volume: 1.812 bbl

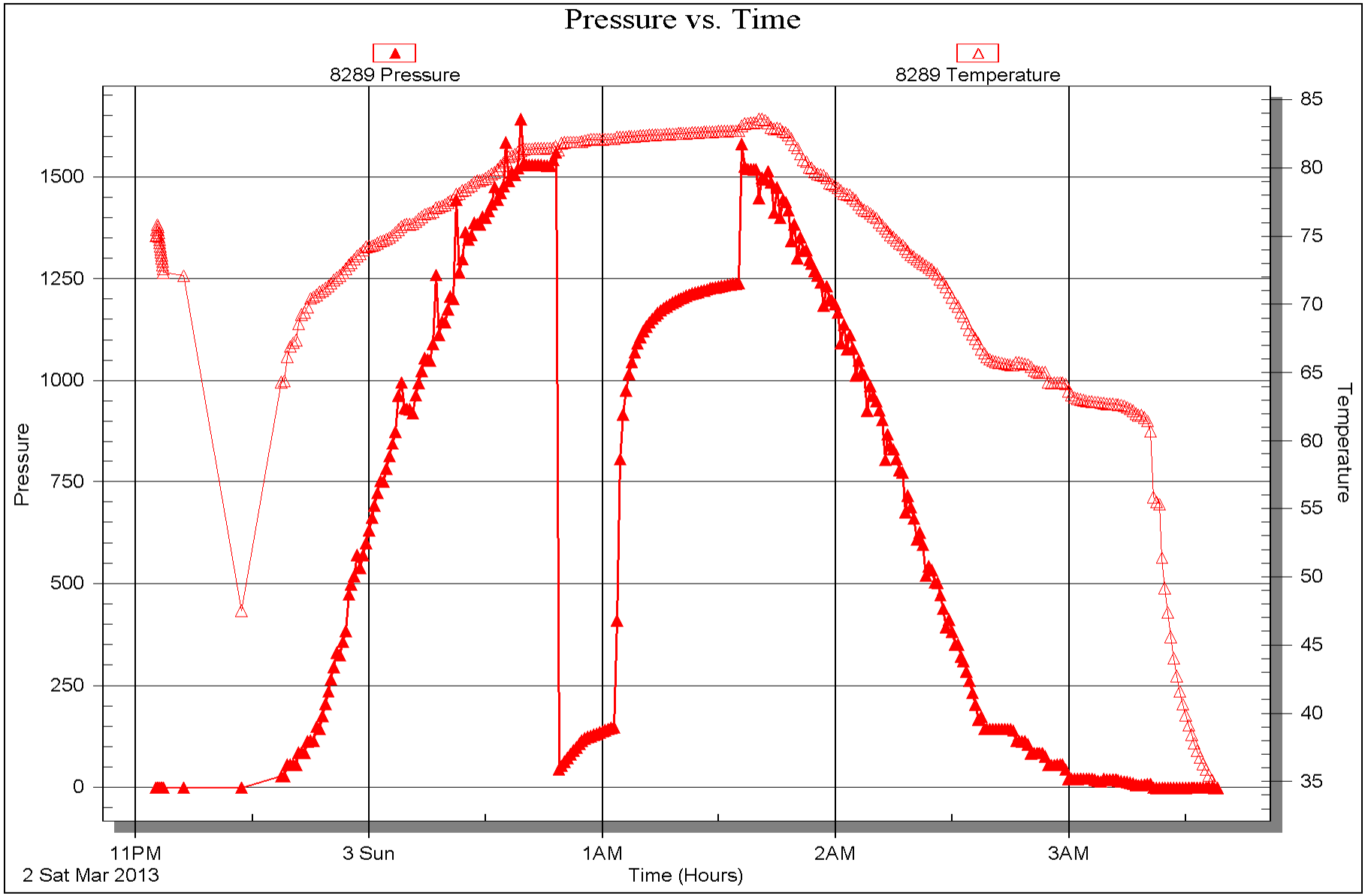
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8789 **Inside** Bach Oil Production #2 LJ Ranch DST Test Number: 1



Trilobite Testing, Inc Ref. No: 50540 Printed: 2013.03.14 @ 11:41:55

Serial #: 8289 **Outside** Bach Oil Production #2 LJ Ranch DST Test Number: 1



Trilobite Testing, Inc Ref. No: 50540 Printed: 2013.03.14 @ 11:41:55

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.03 @ 15:03:40
End Date: 2013.03.03 @ 23:24:40
Job Ticket #: 50541 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.14 @ 11:41:01

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50541 **DST#: 2**

Test Start: 2013.03.03 @ 15:03:40

GENERAL INFORMATION:

Formation: **C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:50:40
Time Test Ended: 23:24:40

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3355.00 ft (KB) To 3400.00 ft (KB) (TVD)
Total Depth: 3400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

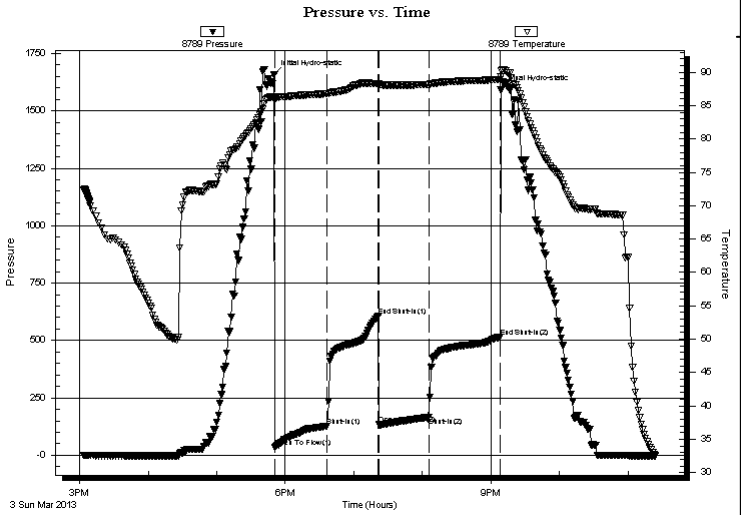
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**

Press@RunDepth: 166.25 psig @ 3392.00 ft (KB)
Start Date: 2013.03.03 End Date: 2013.03.03
Start Time: 15:03:42 End Time: 23:24:40

Capacity: 8000.00 psig
Last Calib.: 2013.03.03
Time On Btm: 2013.03.03 @ 17:50:10
Time Off Btm: 2013.03.03 @ 21:08:25

TEST COMMENT: IFP-Weak Blow , Built to 6"
ISI-Surface Blow back for 18 Min.
FFP-Weak Blow , Built to 4-1/2"
FSI-Surface Blow back for 20 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.16	86.38	Initial Hydro-static
1	33.87	85.73	Open To Flow (1)
47	127.57	86.80	Shut-In(1)
92	605.66	88.30	End Shut-In(1)
92	133.35	88.13	Open To Flow (2)
136	166.25	88.18	Shut-In(2)
198	515.25	88.95	End Shut-In(2)
199	1594.30	89.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water-1%O-89%W-10%M	0.89
70.00	OCWM-15%O-25%W-60%M	0.93
30.00	Free Oil	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50541 **DST#: 2**

Test Start: 2013.03.03 @ 15:03:40

GENERAL INFORMATION:

Formation: **C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:50:40
Time Test Ended: 23:24:40

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3355.00 ft (KB) To 3400.00 ft (KB) (TVD)
Total Depth: 3400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

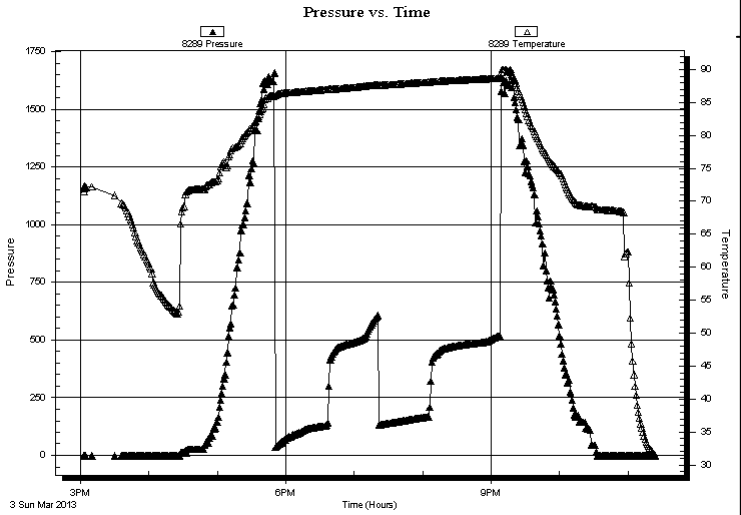
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3392.00 ft (KB)
Start Date: 2013.03.03 End Date: 2013.03.03
Start Time: 15:03:13 End Time: 23:24:41

Capacity: 8000.00 psig
Last Calib.: 2013.03.03
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Blow , Built to 6"
ISI-Surface Blow back for 18 Min.
FFP-Weak Blow , Built to 4-1/2"
FSI-Surface Blow back for 20 Min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water-1%O-89%W-10%M	0.89
70.00	OCWM-15%O-25%W-60%M	0.93
30.00	Free Oil	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50541 **DST#: 2**

Test Start: 2013.03.03 @ 15:03:40

Tool Information

Drill Pipe:	Length:	3157.00 ft	Diameter:	3.80 inches	Volume:	44.28 bbl	Tool Weight:		2000.00 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:	186.00 ft	Diameter:	2.25 inches	Volume:	0.91 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	45.19 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	52000.00 lb
Depth to Top Packer:		3355.00 ft						Final	52000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		45.00 ft							
Tool Length:		73.00 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			3328.00		
Shut In Tool	5.00			3333.00		
Hydraulic tool	5.00			3338.00		
Jars	5.00			3343.00		
Safety Joint	2.00			3345.00		
Packer	5.00			3350.00	28.00	Bottom Of Top Packer
Packer	5.00			3355.00		
Stubb	1.00			3356.00		
Perforations	3.00			3359.00		
Change Over Sub	1.00			3360.00		
Blank Spacing	31.00			3391.00		
Change Over Sub	1.00			3392.00		
Recorder	0.00	8789	Inside	3392.00		
Recorder	0.00	8289	Outside	3392.00		
Perforations	5.00			3397.00		
Bullnose	3.00			3400.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**73.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50541 **DST#: 2**

Test Start: 2013.03.03 @ 15:03:40

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	70000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	inches				

Recovery Information

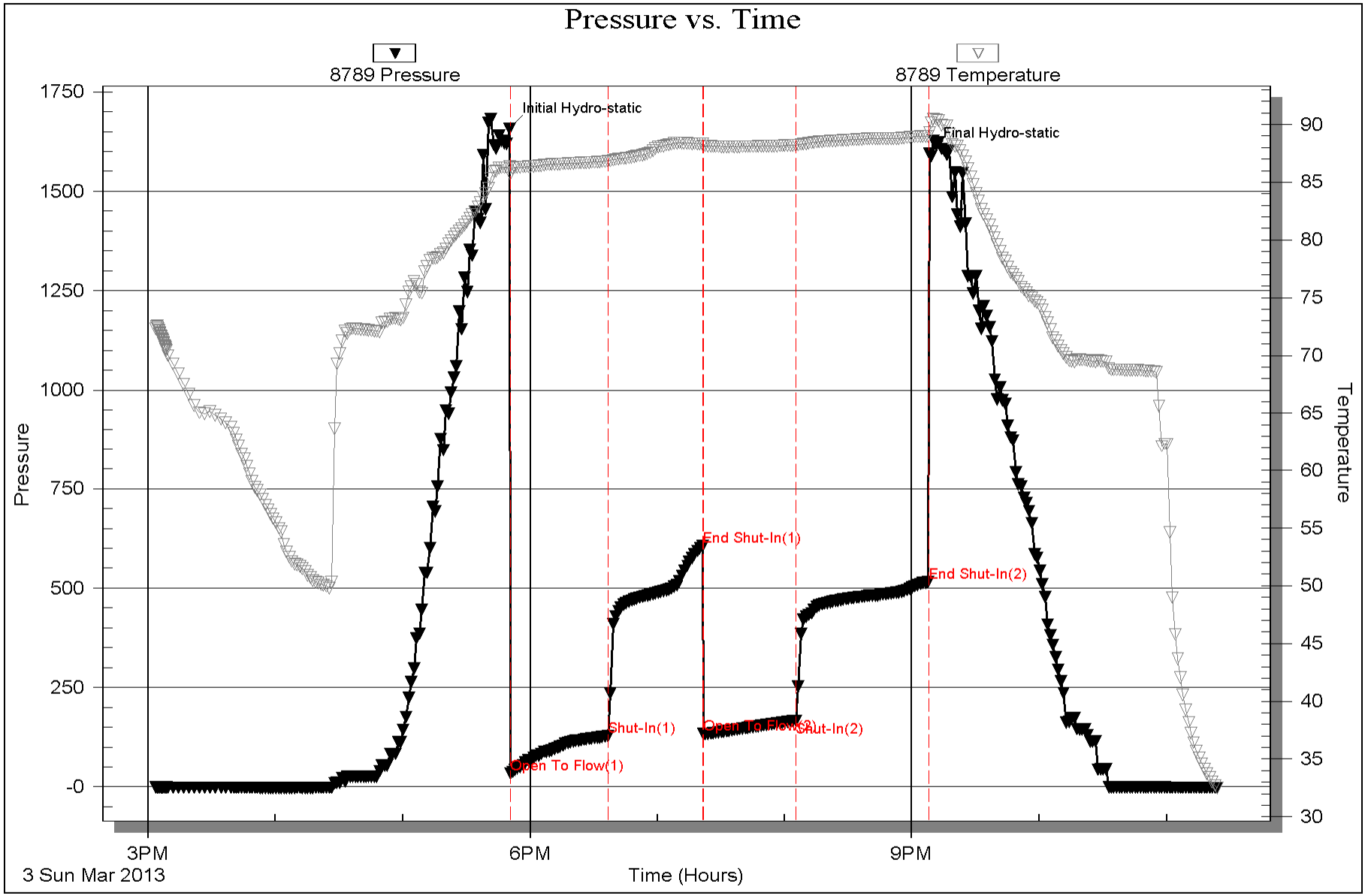
Recovery Table

Length ft	Description	Volume bbl
180.00	Muddy Water-1%O-89%W-10%M	0.885
70.00	OCWM-15%O-25%W-60%M	0.927
30.00	Free Oil	0.421

Total Length: 280.00 ft Total Volume: 2.233 bbl

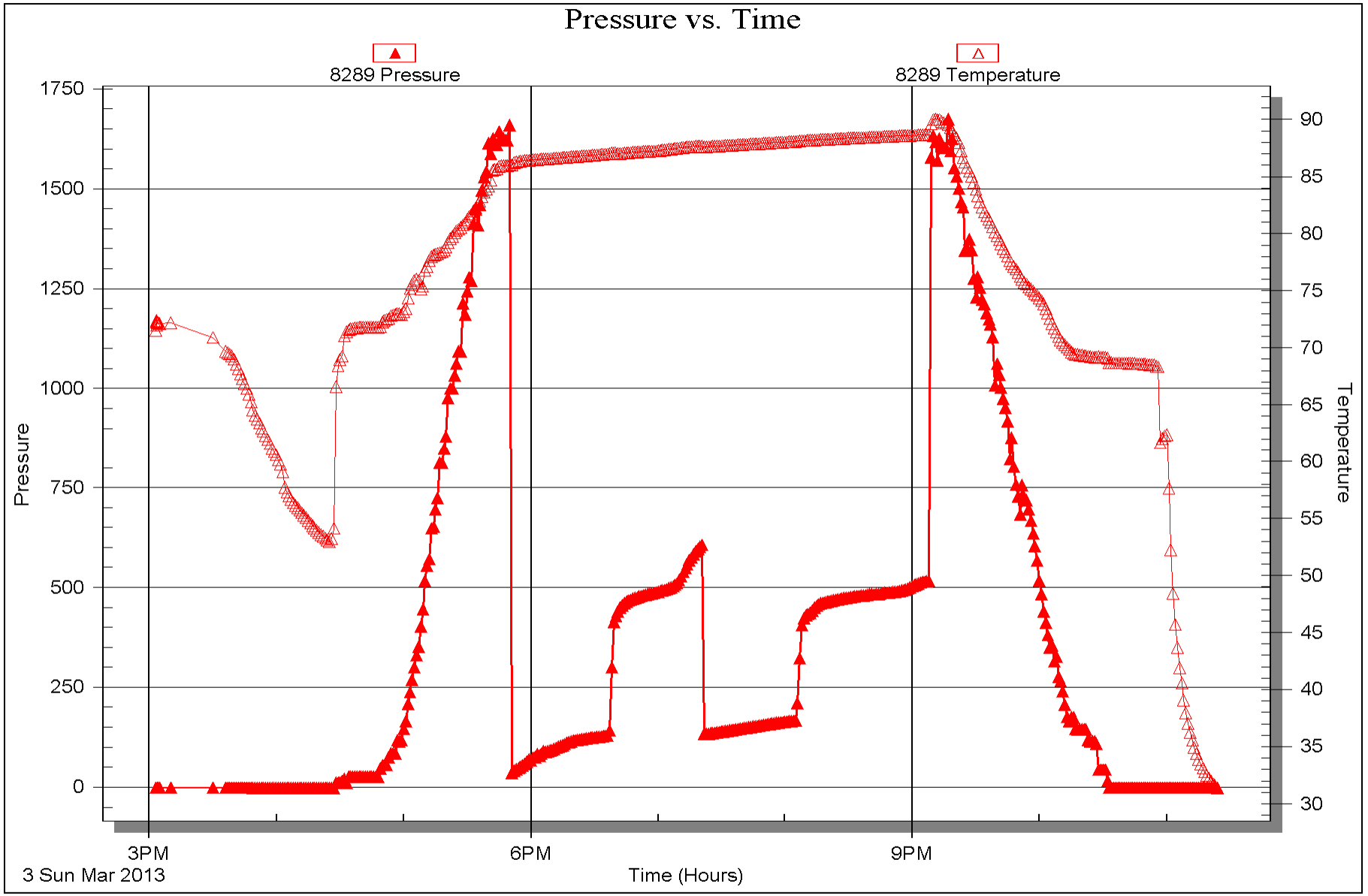
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8789 **Inside** Bach Oil Production #2 LJ Ranch DST Test Number: 2



Trilobite Testing, Inc Ref. No: 50541 Printed: 2013.03.14 @ 11:41:03

Serial #: 8289 **Outside** Bach Oil Production #2 LJ Ranch DST Test Number: 2



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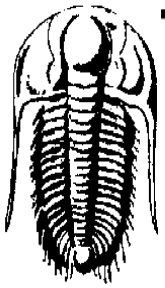


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil Production**

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

#2 LJ Ranch

3-4s-20w Phillips,KS

Start Date: 2013.03.04 @ 08:37:21
End Date: 2013.03.04 @ 14:27:36
Job Ticket #: 50542 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.03.14 @ 11:39:51

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50542 **DST#: 3**

Test Start: 2013.03.04 @ 08:37:21

GENERAL INFORMATION:

Formation: **C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:36:21
Time Test Ended: 14:27:36

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3475.00 ft (KB) To 3510.00 ft (KB) (TVD)
Total Depth: 3510.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

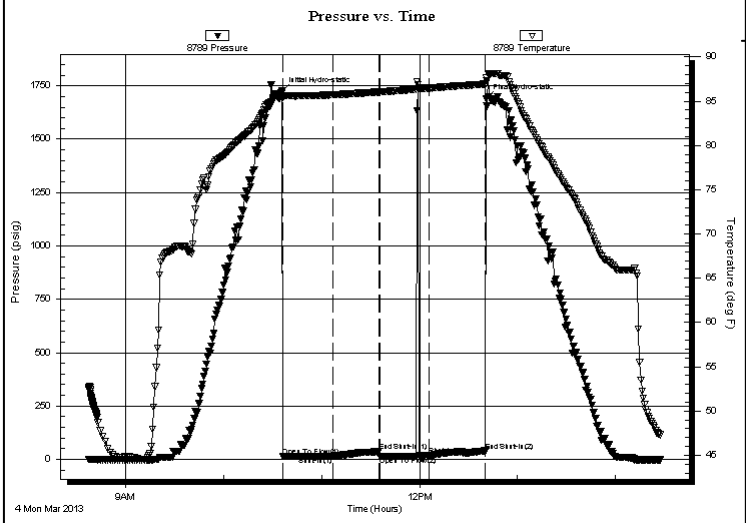
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**

Press@RunDepth: 18.02 psig @ 3477.00 ft (KB)
Start Date: 2013.03.04 End Date: 2013.03.04
Start Time: 08:37:23 End Time: 14:27:36

Capacity: 8000.00 psig
Last Calib.: 2013.03.04
Time On Btm: 2013.03.04 @ 10:35:36
Time Off Btm: 2013.03.04 @ 12:40:51

TEST COMMENT: IFP-Weak Intermittant Surface Blow
ISI-Dead
FFP-Dead, Flush Tool, Still Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.71	85.88	Initial Hydro-static
1	15.48	85.47	Open To Flow (1)
32	15.59	85.73	Shut-In(1)
60	36.79	86.05	End Shut-In(1)
60	14.69	86.04	Open To Flow (2)
90	18.02	86.47	Shut-In(2)
125	39.98	86.95	End Shut-In(2)
126	1691.88	87.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%o 95%m	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50542 **DST#: 3**

Test Start: 2013.03.04 @ 08:37:21

GENERAL INFORMATION:

Formation: **C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:36:21
Time Test Ended: 14:27:36

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3475.00 ft (KB) To 3510.00 ft (KB) (TVD)
Total Depth: 3510.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

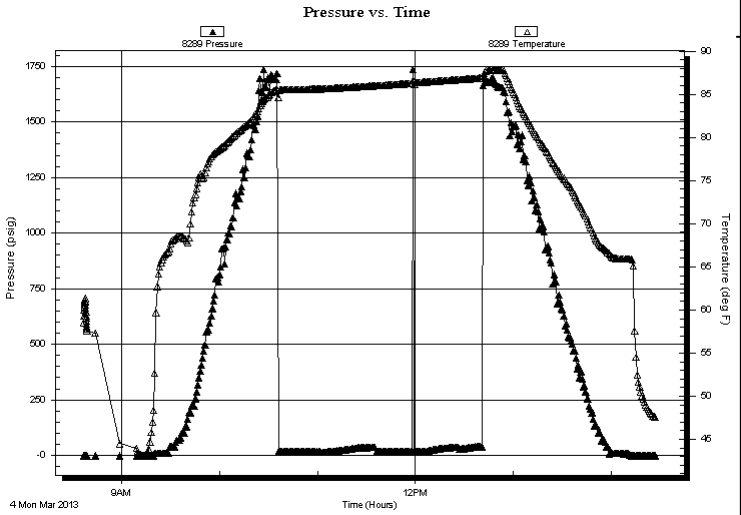
Reference Elevations: 2111.00 ft (KB)
2106.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3477.00 ft (KB)
Start Date: 2013.03.04 End Date: 2013.03.04
Start Time: 08:36:53 End Time: 14:27:36

Capacity: 8000.00 psig
Last Calib.: 2013.03.04
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Intermittant Surface Blow
ISI-Dead
FFP-Dead, Flush Tool, Still Dead
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%o 95%m	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50542 **DST#: 3**

Test Start: 2013.03.04 @ 08:37:21

Tool Information

Drill Pipe:	Length:	3280.00 ft	Diameter:	3.80	inches	Volume:	46.01	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	186.00 ft	Diameter:	2.25	inches	Volume:	0.91	bbl	
						Total Volume:	46.92	bbl	

Drill Pipe Above KB:	19.00 ft
Depth to Top Packer:	3475.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	35.00 ft
Tool Length:	63.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	52000.00 lb
	Final	52000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3448.00		
Shut In Tool	5.00			3453.00		
Hydraulic tool	5.00			3458.00		
Jars	5.00			3463.00		
Safety Joint	2.00			3465.00		
Packer	5.00			3470.00	28.00	Bottom Of Top Packer
Packer	5.00			3475.00		
Stubb	1.00			3476.00		
Perforations	1.00			3477.00		
Recorder	0.00	8789	Inside	3477.00		
Recorder	0.00	8289	Outside	3477.00		
Perforations	30.00			3507.00		
Bullnose	3.00			3510.00	35.00	Bottom Packers & Anchor
Total Tool Length:	**63.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil Production

PO Box 723
Alma, NE 68920

ATTN: Bob Peterson

3-4s-20w Phillips,KS

#2 LJ Ranch

Job Ticket: 50542 **DST#: 3**

Test Start: 2013.03.04 @ 08:37:21

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	inches				

Recovery Information

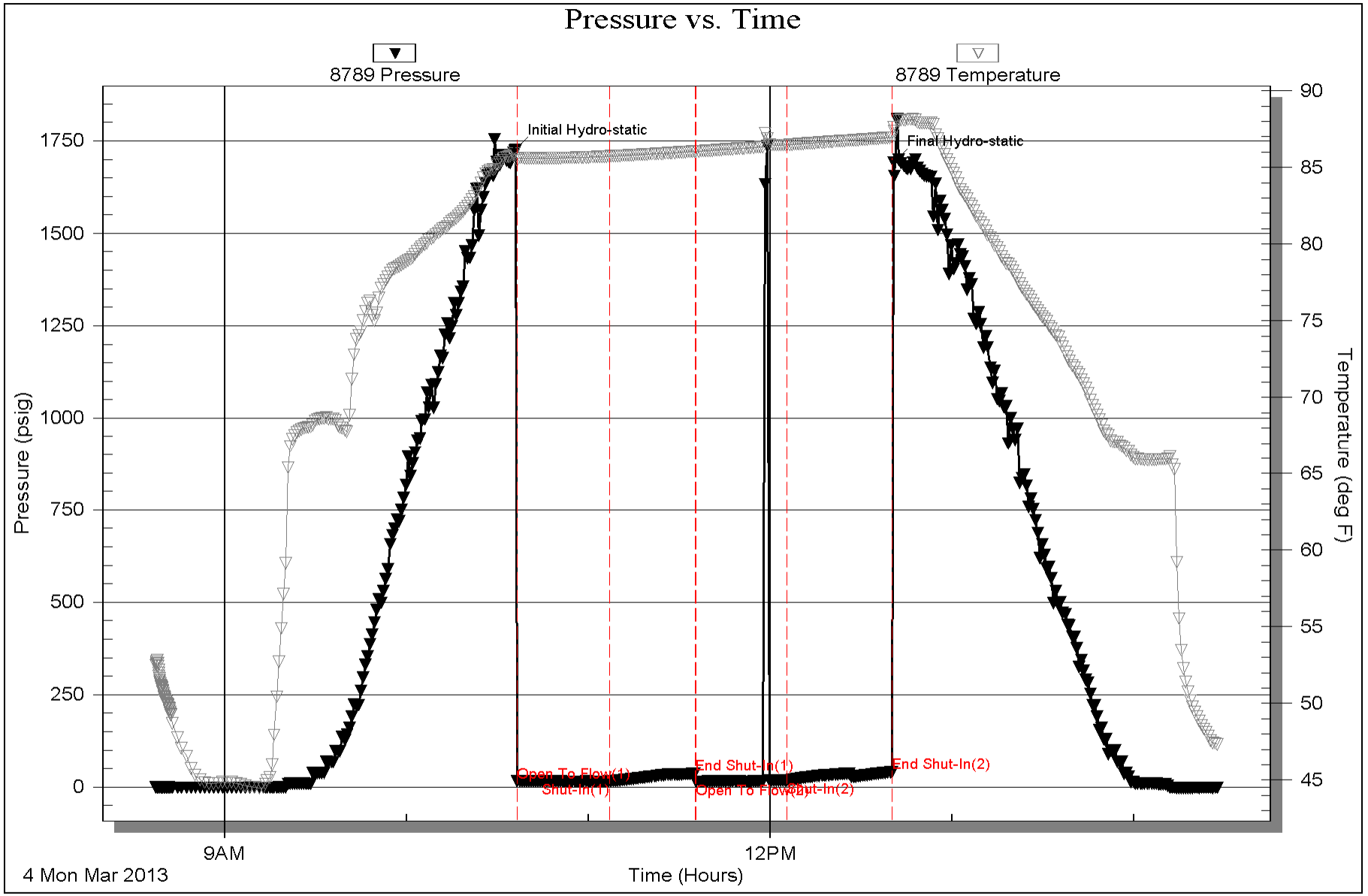
Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 5%o 95%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

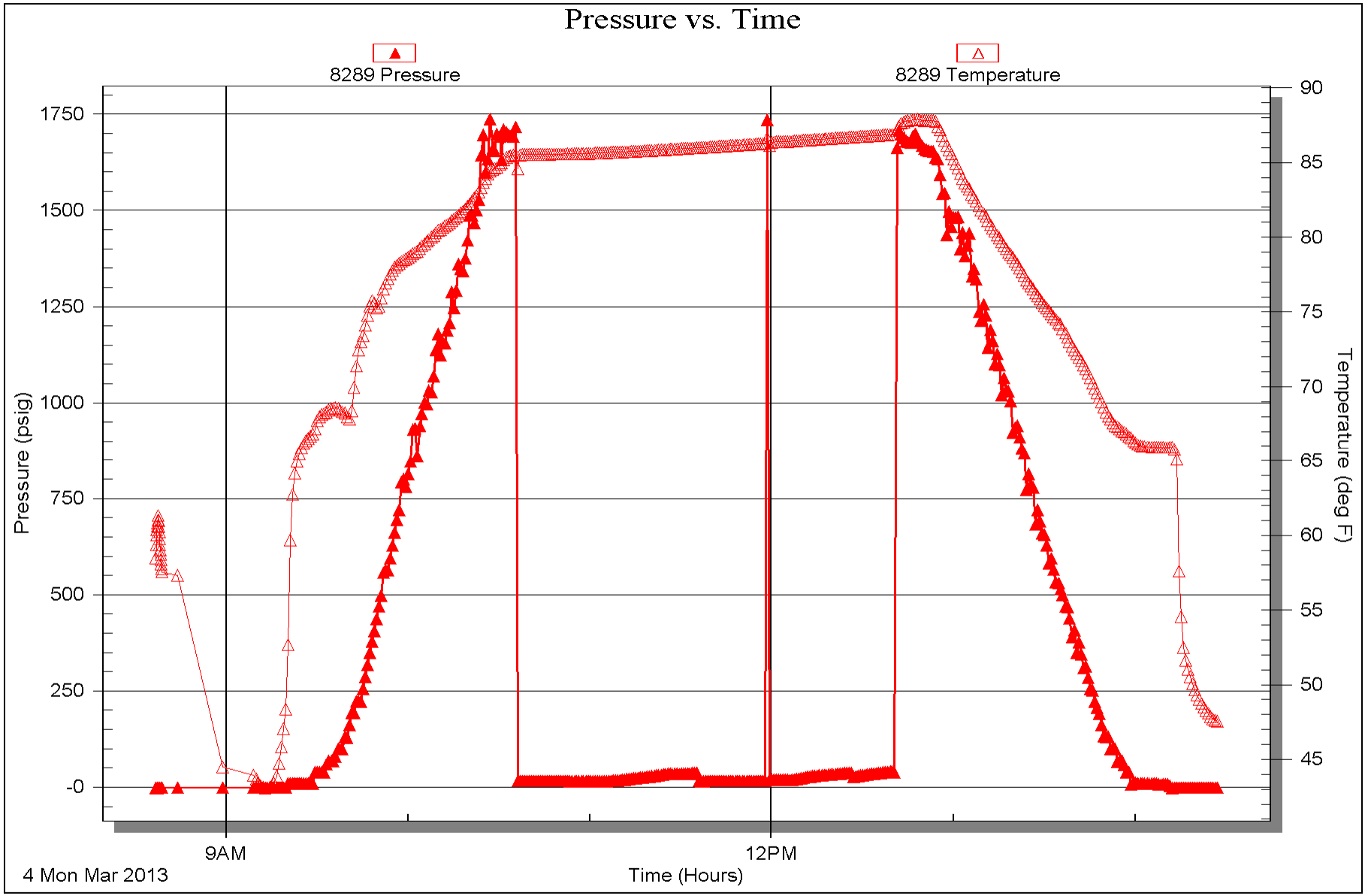
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8789 **Inside** Bach Oil Production #2 LJ Ranch DST Test Number: 3



Trilobite Testing, Inc Ref. No: 50542 Printed: 2013.03.14 @ 11:39:54

Serial #: 8289 **Outside** Bach Oil Production #2 LJ Ranch DST Test Number: 3



Trilobite Testing, Inc Ref. No: 50542 Printed: 2013.03.14 @ 11:39:54

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 50540

Well Name & No. #2 LJ Ranch Test No. 1 Date 3-3-13

Company Bath Oil Production Elevation 2111 KB 2106 GL

Address PO Box 723, Alma, NE, 68920

Co. Rep / Geo. Bob Peterson Rig Murfin #8

Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State Ks

Interval Tested 3187-3243 Zone Tested Compton Sand

Anchor Length 56 Drill Pipe Run 2995 Mud Wt. 8.7

Top Packer Depth 3182 Drill Collars Run 186 Vis 53

Bottom Packer Depth 3187 Wt. Pipe Run 0 WL 6.4

Total Depth 3243 Chlorides 350 ppm System LCM 2#

Blow Description IFP - Good Blow, BOB in 7 min.
ISI - Dead, Pull Tool

Rec 250	Feet of Muddy Water	%gas	%oil 60	%water 40	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 250 BHT Gravity API RW .206 @ 37 °F Chlorides 70,000 ppm

(A) Initial Hydrostatic 1548
(B) First Initial Flow 414
(C) First Final Flow 148
(D) Initial Shut-In 1238
(E) Second Initial Flow
(F) Second Final Flow
(G) Final Shut-In
(H) Final Hydrostatic 1498

Initial Open 15
Initial Shut-In 30
Final Flow
Final Shut-In

- ☑ Test 1150
- ☑ Jars 250
- ☑ Safety Joint 75
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 148rt 229.40
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1704.40

T-On Location 2210
T-Started 23:03
T-Open 24:48
T-Pulled 1:33
T-Out 3:37

Comments

- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0
Total 1704.40
MP/DST Disc't

Approved By Our Representative Jason McLemore Thank You

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 50541

Well Name & No. #2 LJ Ranch Test No. 2 Date 3-4-13

Company Bach Oil Production Elevation 2111 KB 2106 GL

Address PO Box 723, Alma, NE., 68920

Co. Rep / Geo. Bob Peterson Rig Murfin #8

Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State KS

Interval Tested 3355-3400 Zone Tested C-D

Anchor Length 45' Drill Pipe Run 3157 Mud Wt. 9.0

Top Packer Depth 3350 Drill Collars Run 186 Vis 54

Bottom Packer Depth 3355 Wt. Pipe Run 0 WL 6.4

Total Depth 3400 Chlorides 800 ppm System LCM 2#

Blow Description IFP- Weak Blow, Built to 6"

ISI- Surface Blowback for 18 min

FFP- Weak Blow, Built to 4½"

FSI- Surface Blowback for 20 min

Rec 30	Feet of Free Oil	%gas	%oil	%water	%mud	
Rec 70	Feet of OCMW	%gas 15	%oil 25	%water 60	%mud	
Rec 180	Feet of VSOCMW	%gas 1	%oil 89	%water 10	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 280 BHT Gravity API RW @ °F Chlorides 70,000 ppm

(A) Initial Hydrostatic 1657

(B) First Initial Flow 34

(C) First Final Flow 128

(D) Initial Shut-In 606

(E) Second Initial Flow 134

(F) Second Final Flow 166

(G) Final Shut-In 515

(H) Final Hydrostatic 1594

Initial Open 45

Initial Shut-In 45

Final Flow 45

Final Shut-In 60

- ☑ Test 1150
- ☑ Jars 250
- ☑ Safety Joint 75
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 229.40
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1704.40

T-On Location 14:43

T-Started 15:01

T-Open 17:48

T-Pulled 21:03

T-Out 23:19

Comments

- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1704.40

MP/DST Disc't

Approved By Our Representative Jason McLowry Thank you

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 50542

Well Name & No. #2 LJ Ranch Test No. 3 Date 3-4-13

Company Bach Oil Production Elevation 2111 KB 2106 GL

Address PO Box 723, Alma, NE, 68920

Co. Rep / Geo. Bob Peterson Rig Murfin #8

Location: Sec. 3 Twp. 4s Rge. 20w Co. Phillips State KS

Interval Tested 3475-3510 Zone Tested I-J

Anchor Length 35' Drill Pipe Run 3280 Mud Wt. 9.1

Top Packer Depth 3470 Drill Collars Run 186 Vis 58

Bottom Packer Depth 3475 Wt. Pipe Run 0 WL 7.6

Total Depth 3510 Chlorides 1,000 ppm System LCM 2#

Blow Description IFP- Weak Intermittant Surface Blow

ISI - Dead

FFP - Dead. Flush Tool, still Dead

FSI - Dead

Rec 5	Feet of SOCM	%gas 5	%oil	%water 95	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1724

(B) First Initial Flow 15

(C) First Final Flow 16

(D) Initial Shut-In 37

(E) Second Initial Flow 15

(F) Second Final Flow 18

(G) Final Shut-In 40

(H) Final Hydrostatic 1692

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

- [x] Test 1150
- [x] Jars 250
- [x] Safety Joint 75
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 229.40
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total 1704.40

T-On Location 8:26

T-Started 8:35

T-Open 10:48

T-Pulled 12:48

T-Out 14:30

Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total 0

Total 1704.40

MP/DST Disc't

Approved By Our Representative