



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1078761

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

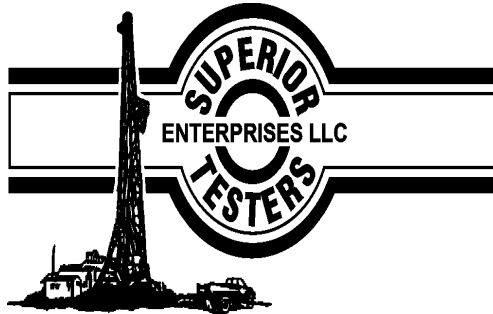
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Eakin 6-7
Doc ID	1078761

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Captiva II L.L.C**

445 Union Blvd Suite 208 Lakewood CO 80228

ATTN: Bruce Ard

7-22s-16w Pawnee

Eakin #6-7

Start Date: 2011.11.25 @ 03:40:00

End Date: 2011.11.25 @ 08:45:30

Job Ticket #: 18662 DST #: 4

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.11.25 @ 08:57:28



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

ATTN: Bruce Ard

Job Ticket: 18662

DST#: 4

Test Start: 2011.11.25 @ 03:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:28:30

Time Test Ended: 08:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3912.00 ft (KB) To 3921.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3921.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419

Press @ RunDepth: 54.41 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.25

End Date: 2011.11.25

Last Calib.: 2011.11.25

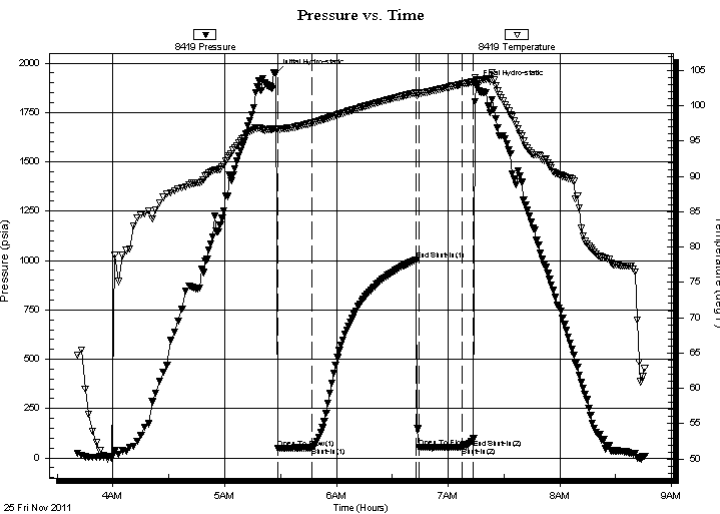
Start Time: 03:40:00

End Time: 08:45:30

Time On Btm: 2011.11.25 @ 05:27:30

Time Off Btm: 2011.11.25 @ 07:15:00

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water in 15 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surface blow died off
 2nd Shut-in 5 Minutes-No blow back



PRESSURE SUMMARY

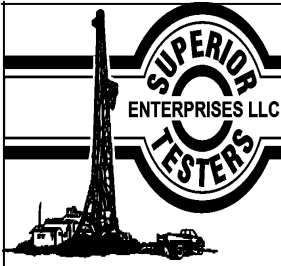
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1948.66	96.76	Initial Hydro-static
1	49.73	96.59	Open To Flow (1)
19	51.47	97.55	Shut-In(1)
76	1004.99	101.85	End Shut-In(1)
77	52.80	101.74	Open To Flow (2)
100	54.41	103.05	Shut-In(2)
106	96.35	103.39	End Shut-In(2)
108	1891.33	103.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

ATTN: Bruce Ard

Job Ticket: 18662

DST#: 4

Test Start: 2011.11.25 @ 03:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:28:30

Time Test Ended: 08:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3912.00 ft (KB) To 3921.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3921.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524

Press @ Run Depth: 97.86 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.25

End Date: 2011.11.25

Last Calib.: 2011.11.25

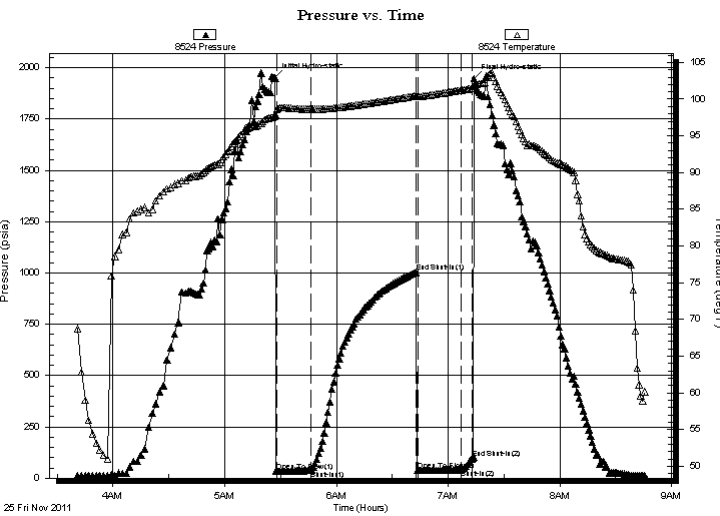
Start Time: 03:40:00

End Time: 08:45:30

Time On Btm: 2011.11.25 @ 05:27:00

Time Off Btm: 2011.11.25 @ 07:14:00

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water in 15 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surface blow died off
 2nd Shut-in 5 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1950.34	97.61	Initial Hydro-static
1	32.91	98.60	Open To Flow (1)
19	36.51	98.64	Shut-In(1)
76	1003.01	100.45	End Shut-In(1)
77	37.96	100.35	Open To Flow (2)
100	41.34	101.22	Shut-In(2)
106	97.86	101.47	End Shut-In(2)
107	1947.75	101.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18662

DST#: 4

ATTN: Bruce Ard

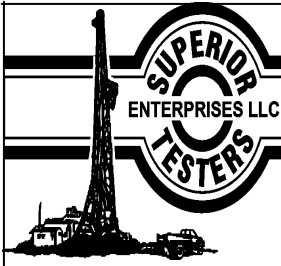
Test Start: 2011.11.25 @ 03:40:00

Tool Information

Drill Pipe:	Length: 3704.00 ft	Diameter: 3.80 inches	Volume: 51.96 bbl	Tool Weight:	1000.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	74000.00 lb
			<u>Total Volume: 52.99 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3912.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3889.00	
Hydraulic Tool	5.00			3894.00	
Jars	6.00			3900.00	
Safety Joint	2.00			3902.00	
Packer	5.00			3907.00	28.00 Bottom Of Top Packer
Packer	5.00			3912.00	
Anchor	4.00			3916.00	
Recorder	1.00	8419	Inside	3917.00	
Recorder	1.00	8524	Outside	3918.00	
Bullnose	3.00			3921.00	9.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18662

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.11.25 @ 03:40:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

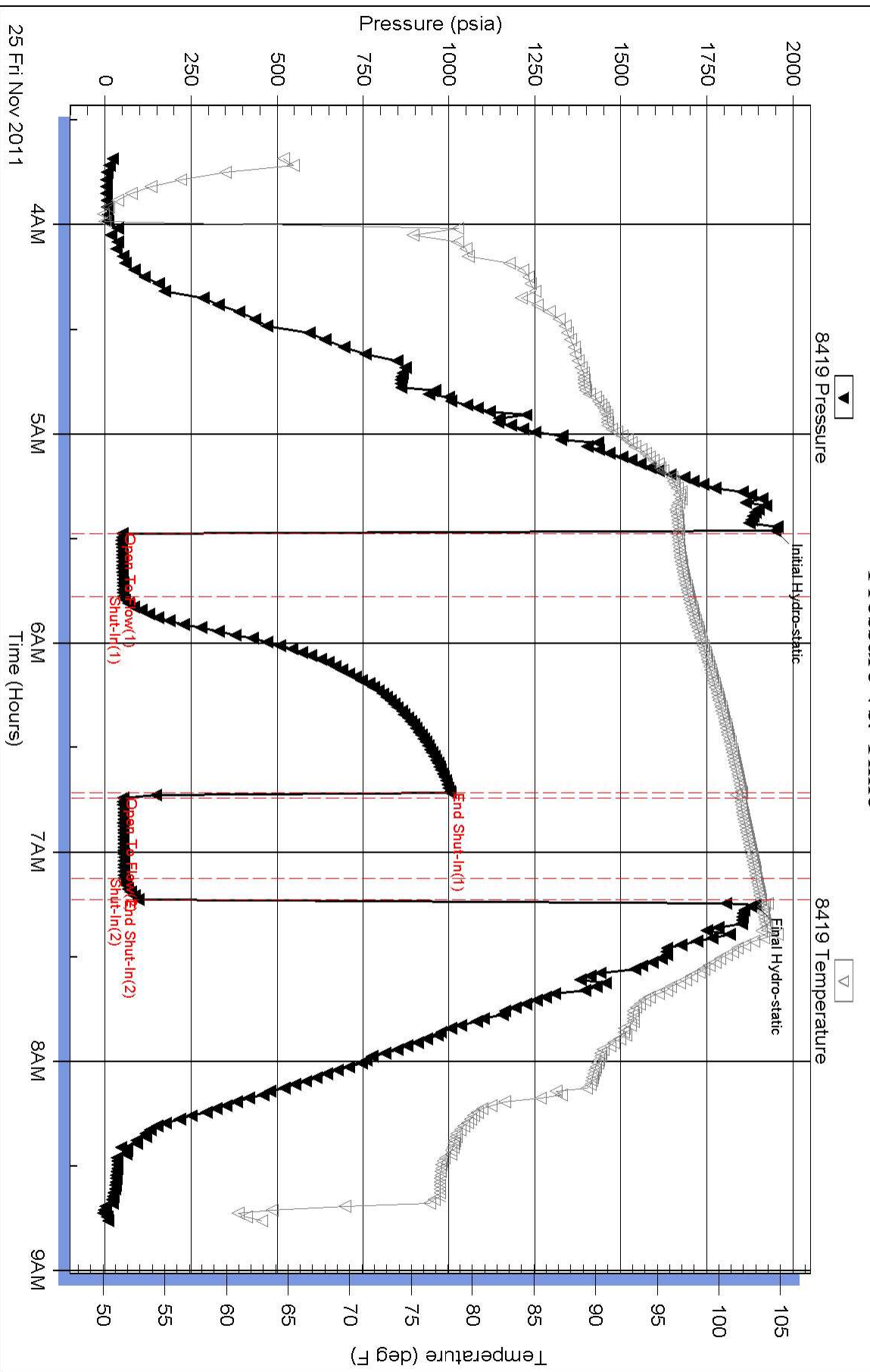
Serial #:

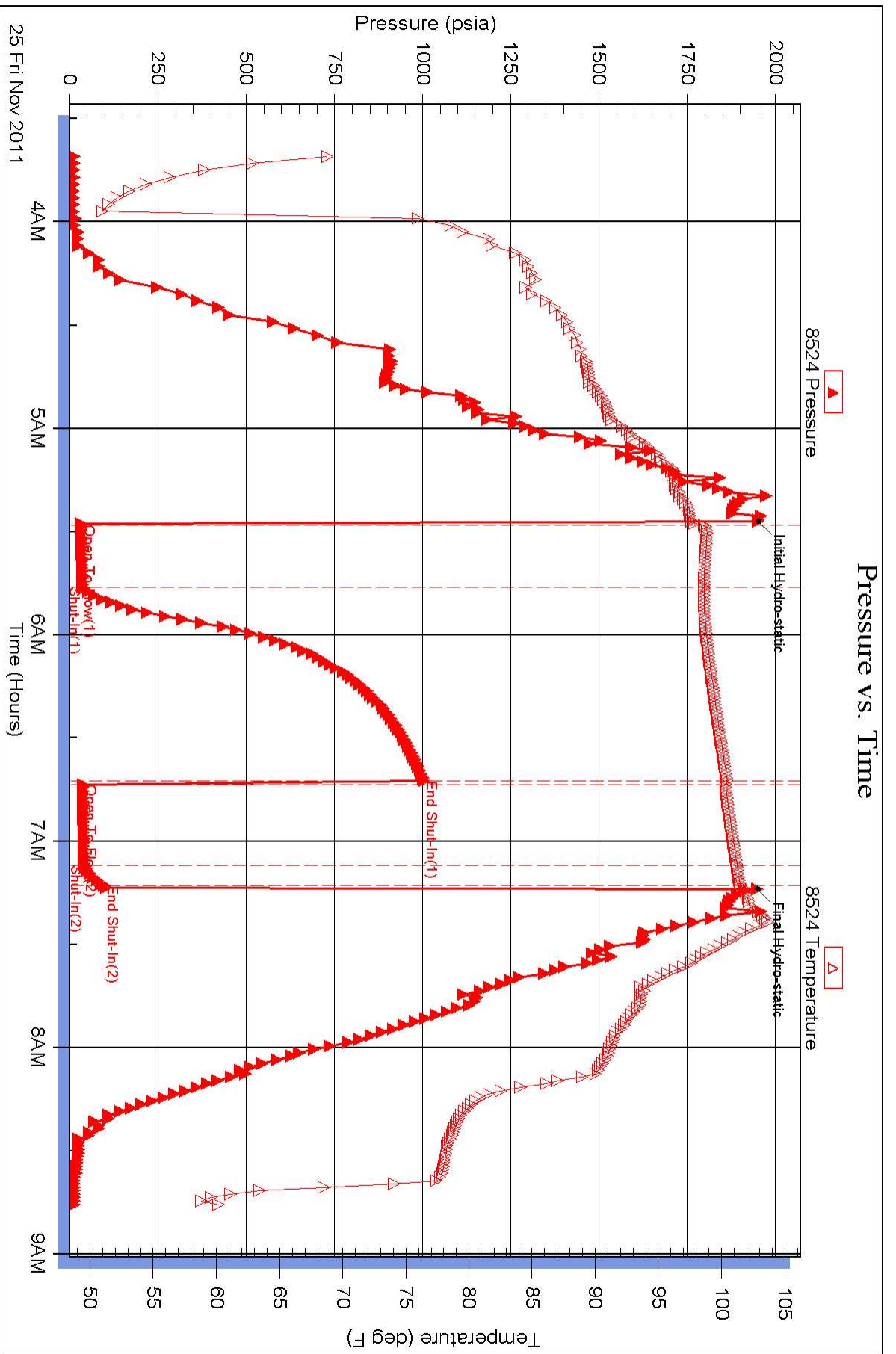
Laboratory Name:

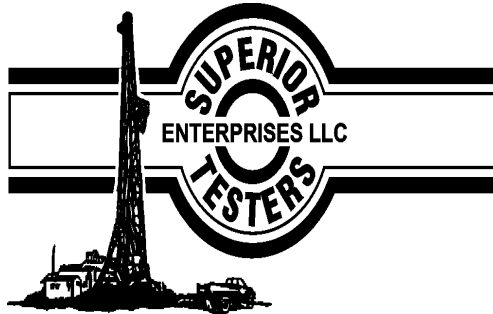
Laboratory Location:

Recovery Comments: Ruined Packer

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Captiva II L.L.C**

445 Union Blvd Suite 208 Lakewood CO 80228

ATTN: Bruce Ard

7-22s-16w Pawnee

Eakin #6-7

Start Date: 2011.11.23 @ 00:50:00

End Date: 2011.11.23 @ 07:45:30

Job Ticket #: 18659 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.11.23 @ 08:05:29



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18659

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 00:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:30

Time Test Ended: 07:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3883.00 ft (KB) To 3905.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419 Inside

Press @ Run Depth: 1819.89 psia @ 3901.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.23

End Date: 2011.11.23

Last Calib.: 2011.11.23

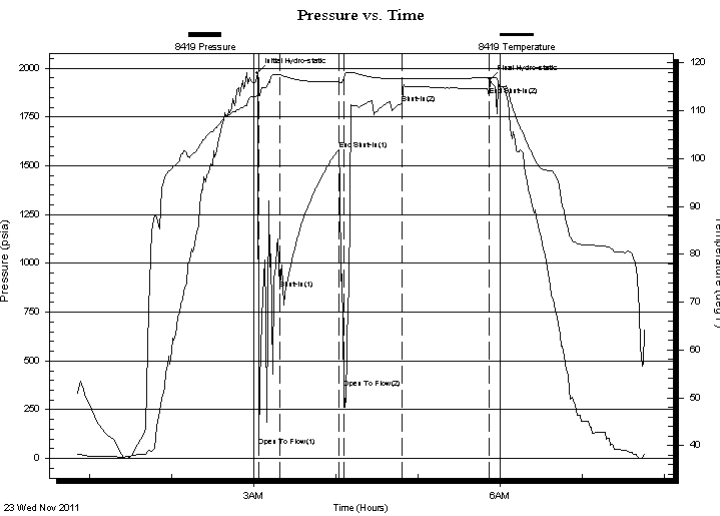
Start Time: 00:50:00

End Time: 07:45:30

Time On Btm: 2011.11.23 @ 03:02:30

Time Off Btm: 2011.11.23 @ 05:52:30

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 6 1/2 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 6 inches into water in 20 minutes blow died off
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1977.00	113.36	Initial Hydro-static
1	62.74	113.12	Open To Flow (1)
16	868.67	117.46	Shut-In(1)
60	1583.35	116.02	End Shut-In(1)
63	361.05	116.75	Open To Flow (2)
106	1819.89	116.63	Shut-In(2)
169	1859.46	116.90	End Shut-In(2)
170	1942.62	116.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Mud	3.14

Gas Rates

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



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18659

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 00:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:30

Time Test Ended: 07:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3883.00 ft (KB) To 3905.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524 Outside

Press @ Run Depth: 1887.12 psia @ 3902.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.23

End Date: 2011.11.23

Last Calib.: 2011.11.23

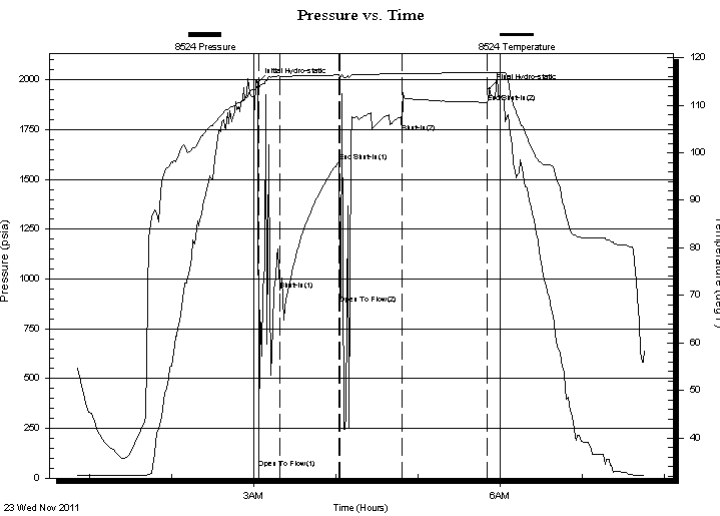
Start Time: 00:50:00

End Time: 07:45:30

Time On Btm: 2011.11.23 @ 03:02:30

Time Off Btm: 2011.11.23 @ 05:52:00

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 6 1/2 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 6 inches into water in 20 minutes blow died off
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

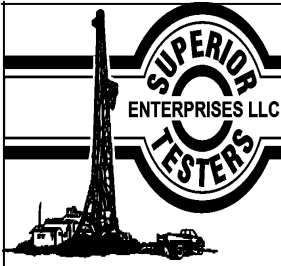
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1987.03	114.10	Initial Hydro-static
1	47.48	113.52	Open To Flow (1)
17	944.59	116.08	Shut-In(1)
60	1588.83	116.37	End Shut-In(1)
60	874.18	116.13	Open To Flow (2)
106	1734.25	116.60	Shut-In(2)
168	1887.12	116.91	End Shut-In(2)
170	1955.67	116.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Mud	3.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18659

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 00:50:00

Tool Information

Drill Pipe:	Length: 3673.00 ft	Diameter: 3.80 inches	Volume: 51.52 bbl	Tool Weight: 1000.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 52.55 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3883.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3860.00	
Hydraulic Tool	5.00			3865.00	
Jars	6.00			3871.00	
Safety Joint	2.00			3873.00	
Packer	5.00			3878.00	28.00 Bottom Of Top Packer
Packer	5.00			3883.00	
Anchor	17.00			3900.00	
Recorder	1.00	8419	Inside	3901.00	
Recorder	1.00	8524	Outside	3902.00	
Bullnose	3.00			3905.00	22.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18659

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 00:50:00

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Mud	3.137

Total Length: 360.00 ft Total Volume: 3.137 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Ruined packer/Had plugging throughout test

Serial #: 8419

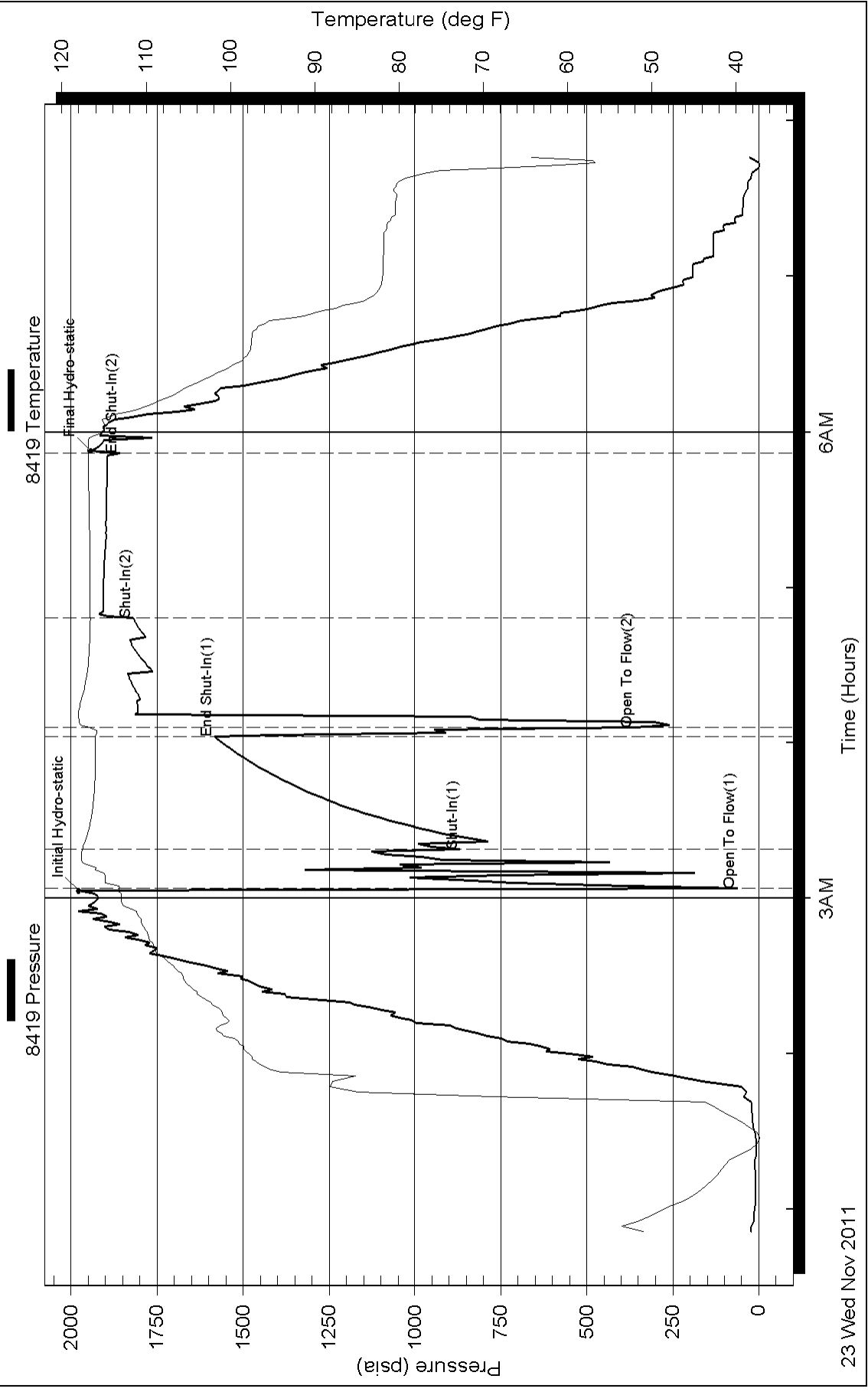
Inside

Captiva II L.L.C

7-22s-16w Pawnee

DST Test Number: 1

Pressure vs. Time



23 Wed Nov 2011

3AM

Time (Hours)

6AM

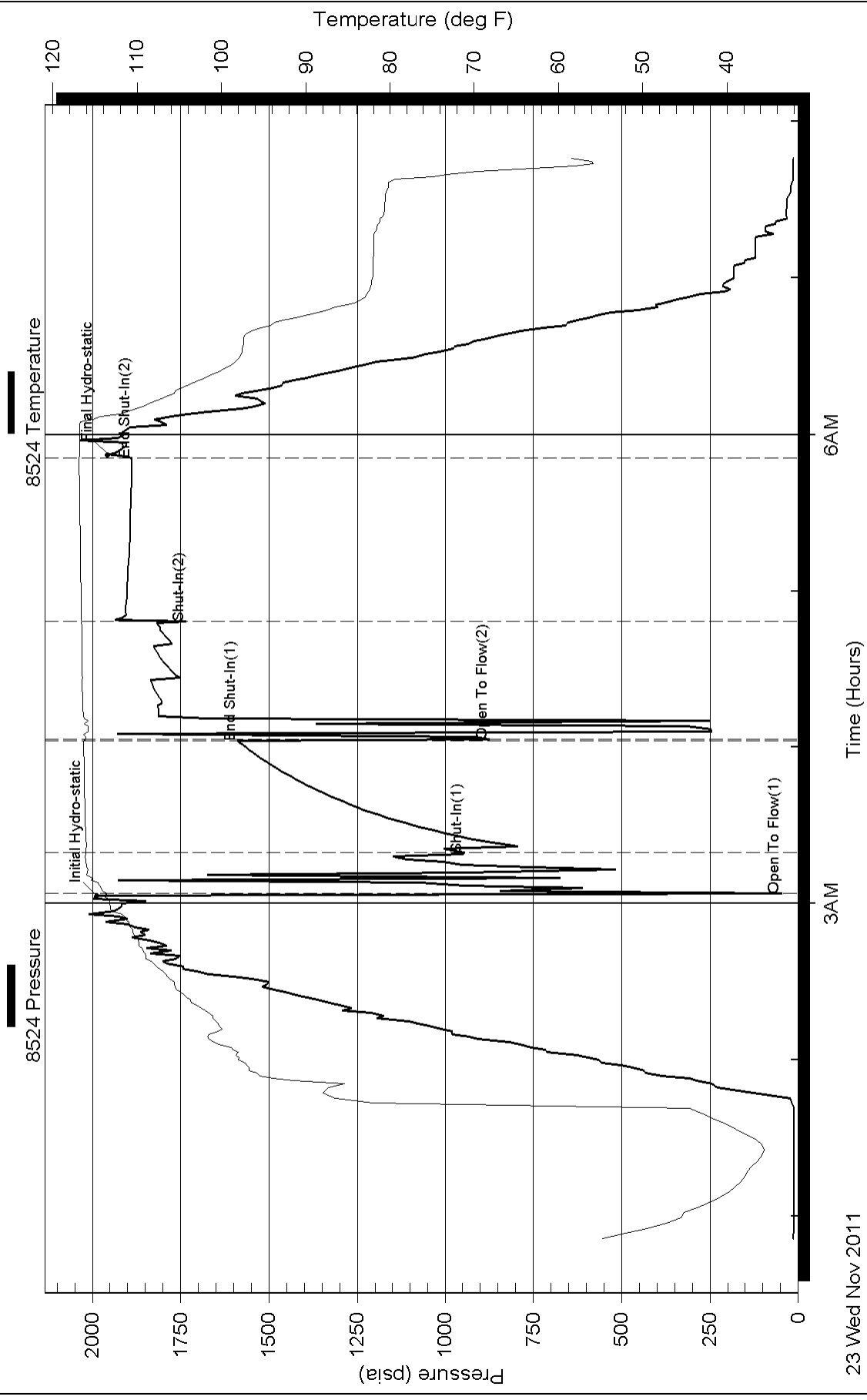
Serial #: 8524

Outside Captiva II L.L.C

7-22s-16w Pawnee

DST Test Number: 1

Pressure vs. Time

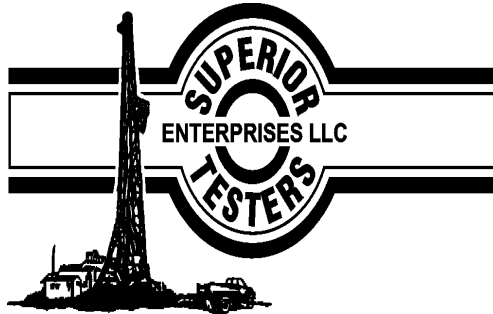


23 Wed Nov 2011

Superior Testers Enterprises LLC

Ref. No: 18659

Printed: 2011.11.23 @ 08:05:30



DRILL STEM TEST REPORT

Prepared For: **Captiva II L.L.C**

445 Union Blvd Suite 208 Lakewood CO 80228

ATTN: Bruce Ard

7-22s-16w Pawnee

Eakin #6-7

Start Date: 2011.11.23 @ 19:10:00

End Date: 2011.11.24 @ 02:05:30

Job Ticket #: 18660 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.11.24 @ 02:28:21



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

ATTN: Bruce Ard

Job Ticket: 18660

DST#: 2

Test Start: 2011.11.23 @ 19:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:30

Time Test Ended: 02:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3824.00 ft (KB) To 3907.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3907.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419

Press @ RunDepth: 104.50 psia @ 3907.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.23

End Date:

2011.11.24

Last Calib.:

2011.11.24

Start Time: 19:10:00

End Time:

02:05:30

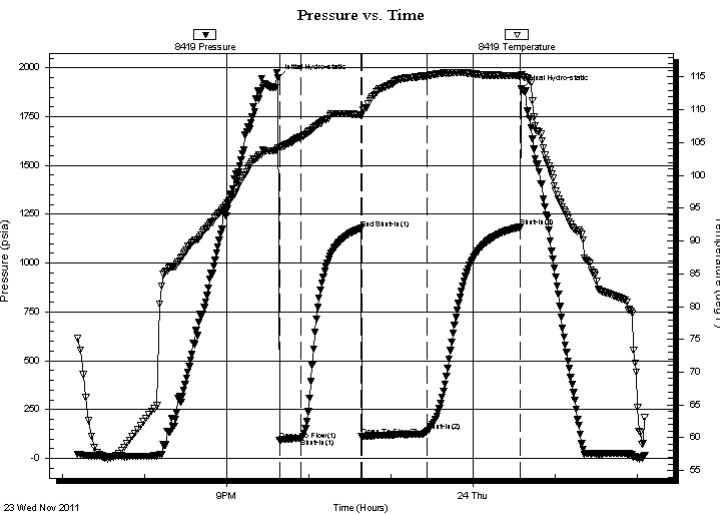
Time On Btm:

2011.11.23 @ 21:37:30

Time Off Btm:

2011.11.24 @ 00:35:30

TEST COMMENT: 1st Opening 15 Minutes-Weak building blow built 2 1/2 inches into water in 15 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak building blow built 3 inches into water in 45 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1947.10	104.27	Initial Hydro-static
1	93.83	104.27	Open To Flow (1)
17	104.50	105.85	Shut-In(1)
61	1177.94	109.30	End Shut-In(1)
61	111.00	109.31	Open To Flow (2)
109	138.54	115.19	Shut-In(2)
177	1183.70	115.17	Shut-In(3)
178	1890.69	115.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	muddy oil 15%oil 85%mud	0.34

Gas Rates

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



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18660

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 19:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:30

Time Test Ended: 02:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3824.00 ft (KB) To 3907.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3907.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524

Press @ RunDepth: 1180.98 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.23

End Date:

2011.11.24

Last Calib.:

2011.11.24

Start Time: 19:10:00

End Time:

02:05:00

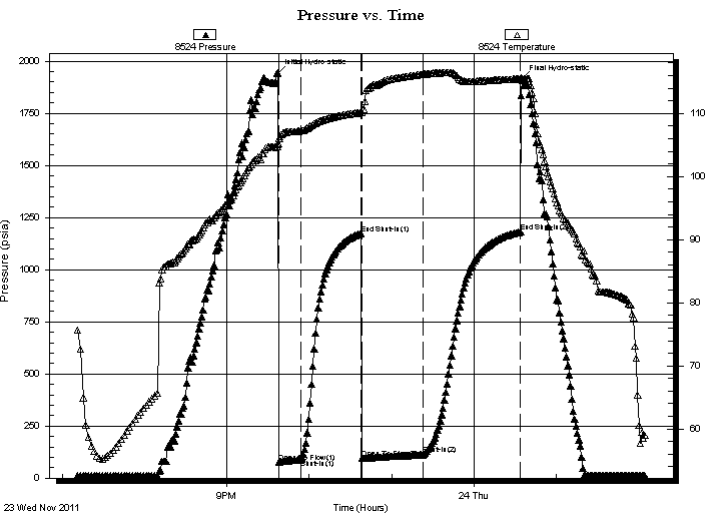
Time On Btm:

2011.11.23 @ 21:37:00

Time Off Btm:

2011.11.24 @ 00:35:00

TEST COMMENT: 1st Opening 15 Minutes-Weak building blow built 2 1/2 inches into water in 15 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak building blow built 3 inches into water in 45 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1942.33	105.02	Initial Hydro-static
1	77.00	106.02	Open To Flow (1)
17	90.25	107.24	Shut-In(1)
61	1173.94	110.16	End Shut-In(1)
62	94.90	110.19	Open To Flow (2)
106	112.32	116.22	Shut-In(2)
177	1180.98	115.48	End Shut-In(2)
178	1913.91	115.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	muddy oil 15%oil 85%mud	0.34

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18660

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 19:10:00

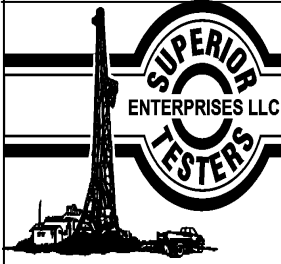
Tool Information

Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight: 1000.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 51.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3824.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3801.00	
Hydraulic Tool	5.00			3806.00	
Jars	6.00			3812.00	
Safety Joint	2.00			3814.00	
Packer	5.00			3819.00	28.00 Bottom Of Top Packer
Packer	5.00			3824.00	
Anchor	0.00			3824.00	
Change Over Sub	0.75			3824.75	
Drill Pipe	64.50		Outside	3889.25	
Change Over Sub	0.75		Outside	3890.00	
Anchor	12.00			3902.00	
Recorder	1.00	8419	Inside	3903.00	
Recorder	1.00	8524	Outside	3904.00	
Bullnose	3.00			3907.00	83.00 Bottom Packers & Anchor

Total Tool Length: 111.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18660

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.11.23 @ 19:10:00

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: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	muddy oil 15%oil 85%mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

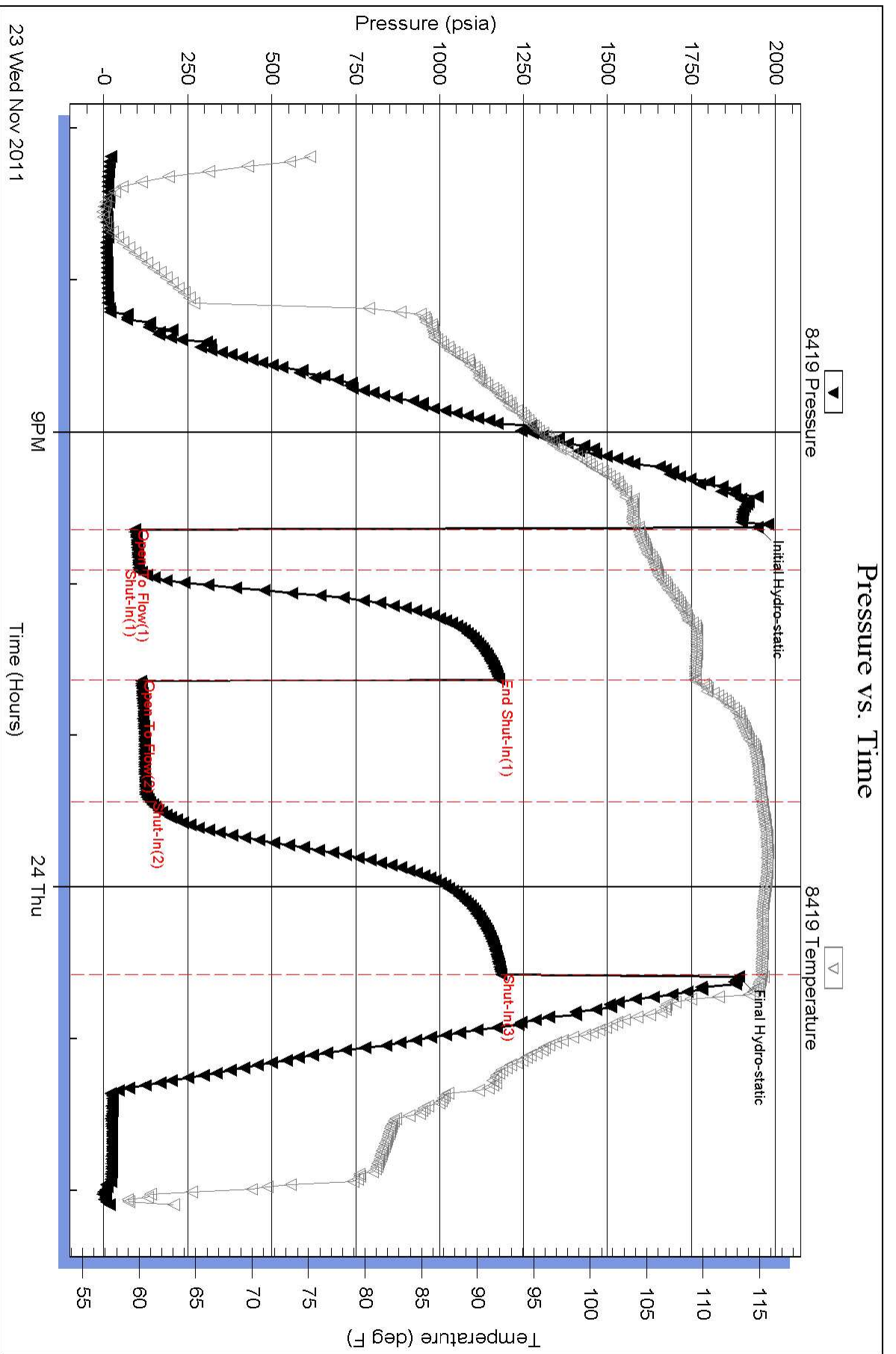
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Captiva II L.L.C**

445 Union Blvd Suite 208 Lakewood CO 80228

ATTN: Bruce Ard

7-22s-16w Pawnee

Eakin #6-7

Start Date: 2011.11.24 @ 10:37:00

End Date: 2011.11.24 @ 17:48:00

Job Ticket #: 18661 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.11.24 @ 18:05:48



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18661

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.11.24 @ 10:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:05:30

Time Test Ended: 17:48:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3905.00 ft (KB) To 3915.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3915.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419

Press @ Run Depth: 86.89 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.24

End Date: 2011.11.24

Last Calib.: 2011.11.24

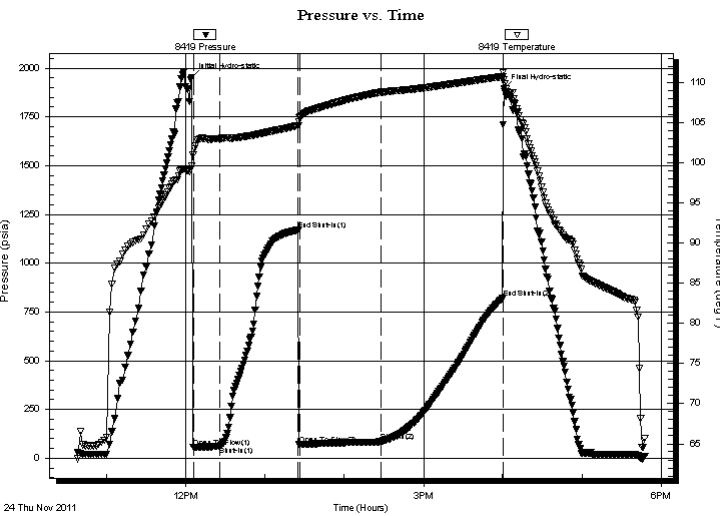
Start Time: 10:37:00

End Time: 17:48:00

Time On Btm: 2011.11.24 @ 12:04:30

Time Off Btm: 2011.11.24 @ 16:01:00

TEST COMMENT: 1st Opening 20 Minutes-Weak building blow built 2 inches into water in 20 minutes
 1st Shut-in 60 Minutes-Very weak surface blow
 2nd Opening 60 Minutes-Weak building blow built 4 inches into water in 60 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.69	99.58	Initial Hydro-static
1	54.98	101.03	Open To Flow (1)
21	61.36	103.03	Shut-In(1)
81	1168.95	104.63	End Shut-In(1)
82	70.53	105.55	Open To Flow (2)
144	86.89	108.78	Shut-In(2)
236	821.37	110.75	End Shut-In(2)
237	1894.52	110.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	clean oil	0.01
70.00	muddy oil 30%oil 70%mud	0.34

Gas Rates

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



DRILL STEM TEST REPORT

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18661

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.11.24 @ 10:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:05:30

Time Test Ended: 17:48:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-60

Interval: 3905.00 ft (KB) To 3915.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3915.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524

Press @ Run Depth: 824.49 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.24

End Date:

2011.11.24

Last Calib.:

2011.11.24

Start Time: 10:37:00

End Time:

17:48:00

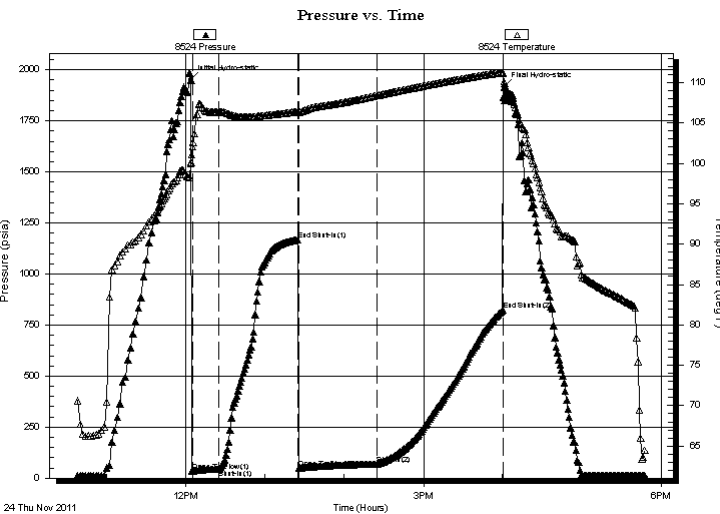
Time On Btm:

2011.11.24 @ 12:04:00

Time Off Btm:

2011.11.24 @ 16:01:00

TEST COMMENT: 1st Opening 20 Minutes-Weak building blow built 2 inches into water in 20 minutes
 1st Shut-in 60 Minutes-Very weak surface blow
 2nd Opening 60 Minutes-Weak building blow built 4 inches into water in 60 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1950.00	100.12	Initial Hydro-static
1	35.29	102.02	Open To Flow (1)
21	45.00	106.39	Shut-In(1)
81	1167.07	106.40	End Shut-In(1)
82	50.22	106.25	Open To Flow (2)
141	68.48	108.41	Shut-In(2)
236	824.49	111.26	End Shut-In(2)
237	1915.13	110.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	clean oil	0.01
70.00	muddy oil 30%oil 70%mud	0.34

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18661

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.11.24 @ 10:37:00

Tool Information

Drill Pipe:	Length: 3673.00 ft	Diameter: 3.80 inches	Volume: 51.52 bbl	Tool Weight:	1000.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	78000.00 lb
			<u>Total Volume: 52.55 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3905.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	38.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3882.00	
Hydraulic Tool	5.00			3887.00	
Jars	6.00			3893.00	
Safety Joint	2.00			3895.00	
Packer	5.00			3900.00	28.00 Bottom Of Top Packer
Packer	5.00			3905.00	
Anchor	5.00			3910.00	
Recorder	1.00	8419	Inside	3911.00	
Recorder	1.00	8524	Outside	3912.00	
Bullnose	3.00			3915.00	10.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva II L.L.C

Eakin #6-7

445 Union Blvd Suite 208 Lakewood CO 80228

7-22s-16w Pawnee

Job Ticket: 18661

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.11.24 @ 10:37:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	clean oil	0.015
70.00	muddy oil 30%oil 70%mud	0.344

Total Length: 73.00 ft Total Volume: 0.359 bbl

Num Fluid Samples: 0

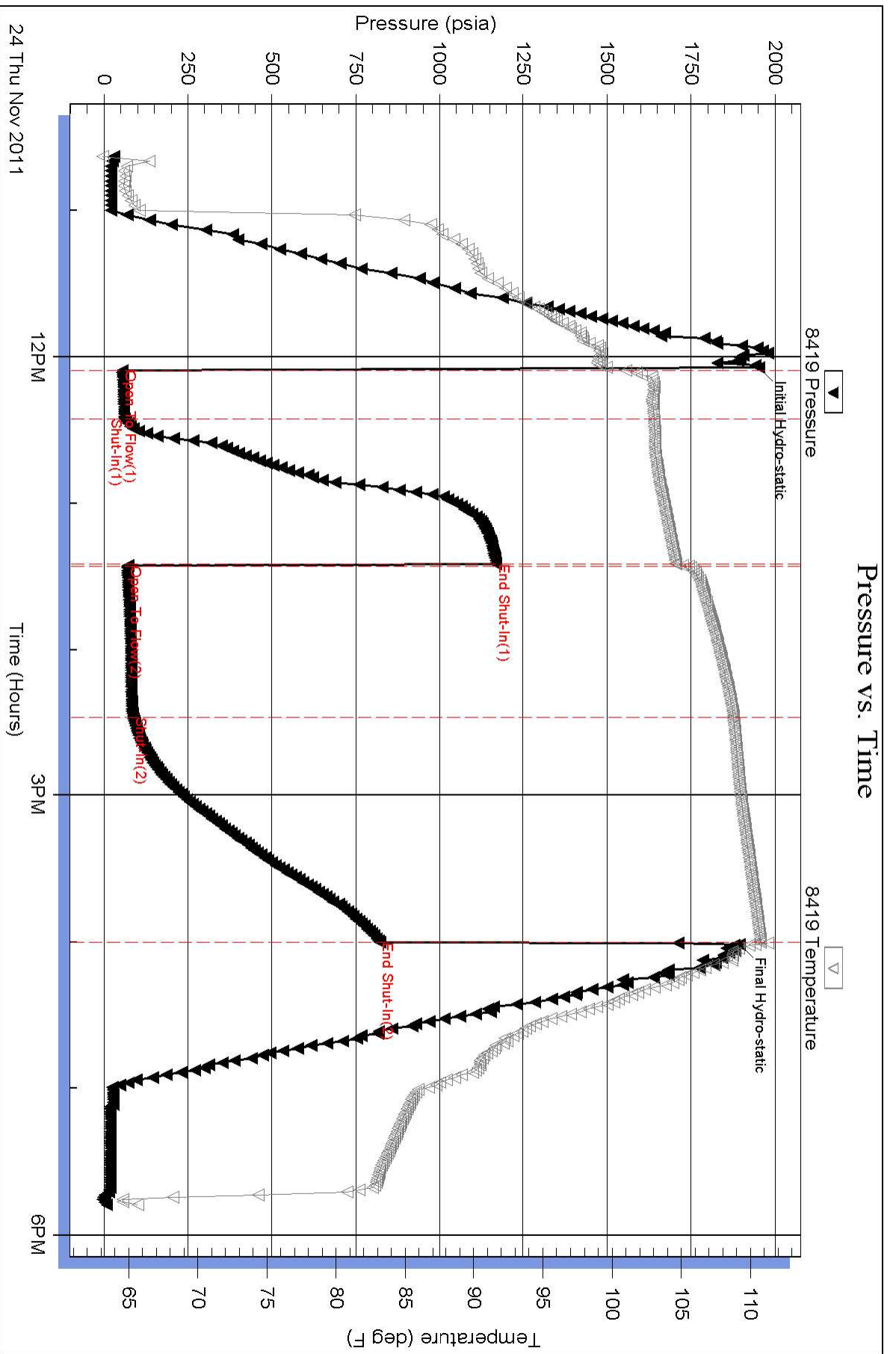
Num Gas Bombs: 0

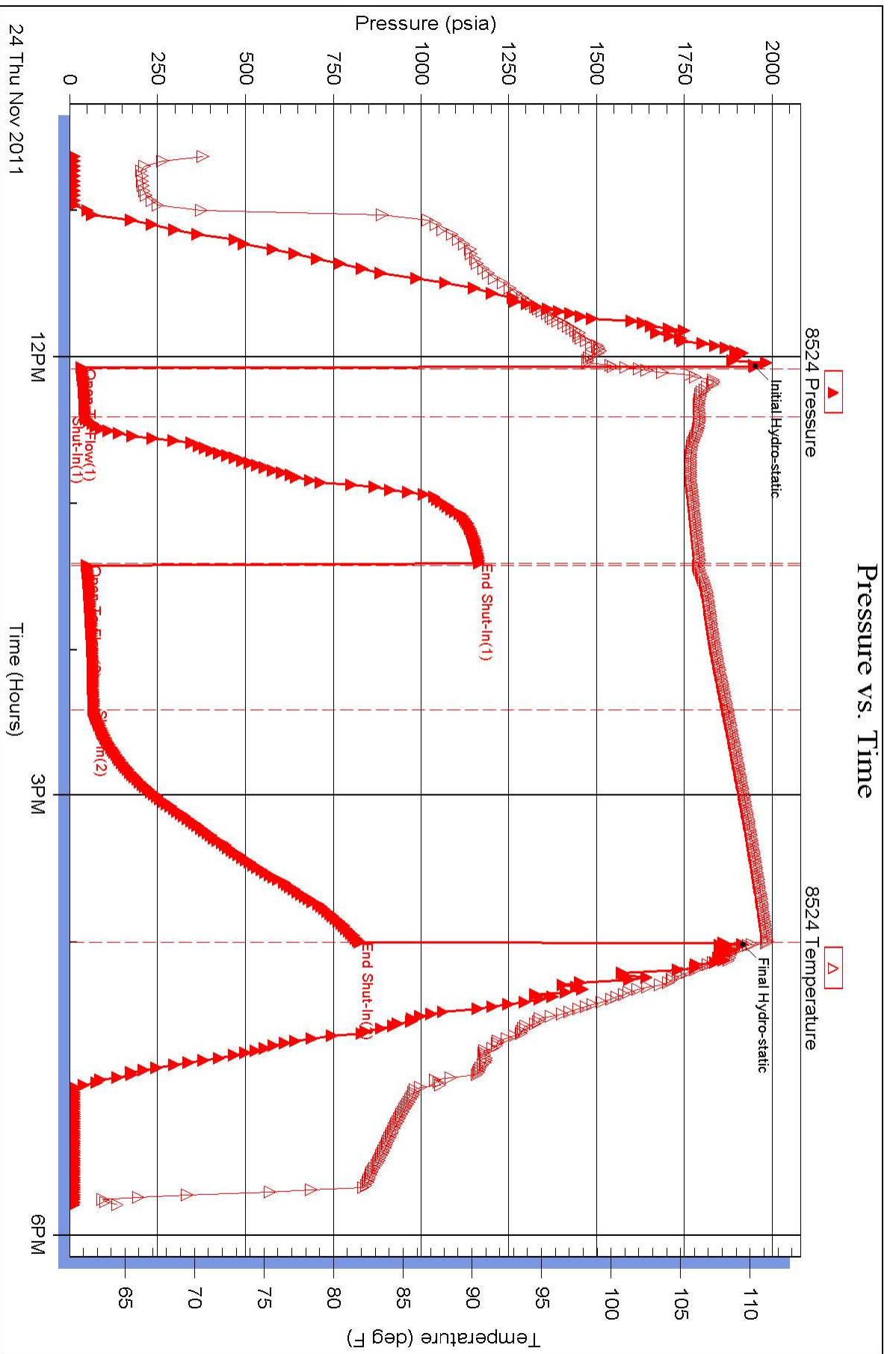
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Ruined packer





ALLIED CEMENTING CO., LLC. 037314

Federal Tax I.D.# 20-5975804

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <u>11-28-11</u>	SEC. <u>7</u>	TWP. <u>22S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>EAMW</u>	WELL# <u>6-7</u>	LOCATION <u>hanned US 1 west</u>		COUNTY <u>Rawl</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one):		<u>South into</u>					

CONTRACTOR <u>Starling Rig 2</u>	OWNER <u>Captive II</u>
TYPE OF JOB <u>Rotary Plug</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4511</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>3850</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	AMOUNT ORDERED	<u>210 5x 60/40 + 4% Gel</u>
		<u>+ .25 flo seal</u>
COMMON	<u>126</u>	@ <u>16.25</u> <u>2047.50</u>
POZMIX	<u>84</u>	@ <u>8.50</u> <u>714.00</u>
GEL	<u>7</u>	@ <u>21.25</u> <u>148.75</u>
CHLORIDE		@
ASC		@
<u>flo seal</u>	<u>52</u>	@ <u>2.70</u> <u>140.40</u>
		@
		@
		@
		@
		@
		@
HANDLING	<u>219</u>	@ <u>2.25</u> <u>492.75</u>
MILEAGE	<u>219 & 214.11</u>	<u>505.82</u>
		TOTAL <u>4049.22</u>

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Wayne</u>
# <u>366</u>	HELPER <u>Dustin</u>
BULK TRUCK	
# <u>391</u>	DRIVER <u>Jimmy</u>
BULK TRUCK	
#	DRIVER

REMARKS:

<u>1st Plug 3850 mix 50SX</u>
<u>2nd Plug 1050 mix 50SX</u>
<u>3rd Plug 400 mix 40SX</u>
<u>4th Plug 60 mix 20SX</u>
<u>5th Plug mouse mix 20SX</u>
<u>6th Plug Rat mix 20SX</u>

SERVICE	
DEPTH OF JOB	<u>3850</u>
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>Hum</u>	<u>42</u> @ <u>7.00</u> <u>294.00</u>
MANIFOLD	@
<u>Hum</u>	<u>42</u> @ <u>4.00</u> <u>168.00</u>
	@
TOTAL <u>1712.00</u>	

CHARGE TO: Captive
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL _____	

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
TOTAL CHARGES 5,761.29
10% 20% 1,636.20
DISCOUNT _____ IF PAID IN 30 DAYS
4,125.09

PRINTED NAME Shane Downs
SIGNATURE [Signature]

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 068

Date	11-17-11	Sec.	7	Twp.	22	Range	16	County	Pawnee	State	KS	On Location		Finish	9:30am	
Lease	Eakin			Well No.	6-7			Location	Landed 1w 1s Winto							
Contractor	Sterling Drilling #2							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface							Hole Size	12 1/4	T.D.	1043					
Csg.	8 5/8							Depth	1038							
Tbg. Size								Depth								
Tool								Depth								
Cement Left in Csg.	42.83							Shoe Joint	42.83							
Meas Line								Displace	63 1/4 BCL							
								Cement Amount Ordered	400 60/40 30/60 20/60							

EQUIPMENT

Pumptrk	1	No.	Cementer	Craig	Common	240
			Helper			
Bulktrk		No.	Driver	C.300	Poz. Mix	160
			Driver			
Bulktrk	12	No.	Driver	Michael	Gel.	8
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

8 5/8 on bottom Est. Circulation.
Mix 400 SCL Displace Plug.
Cement Circulated.
Float Held Plug Landed @
800#.

FLOAT EQUIPMENT

Guide Shoe	8 5/8
Centralizer	
Baskets	
AFU Inserts	1 Rubber Plug
Float Shoe	
Latch Down	

Pumptrk Charge	Long Surface
Mileage	31

Tax	
Discount	
Total Charge	

X Signature

/