



KANSAS CORPORATION COMMISSION 1078761  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31725  
Name: Shelby Resources LLC  
Address 1: 2717 Canal Blvd  
Address 2: Suite C  
City: HAYS State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Chris Gottschalk  
Phone: (785) 623-1524  
CONTRACTOR: License # 5142  
Name: Sterling Drilling Company  
Wellsite Geologist: Bruce Ard  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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 #: \_\_\_\_\_

<u>11/15/2011</u>	<u>11/28/2011</u>	<u>11/29/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21657-00-00

Spot Description: \_\_\_\_\_  
SE SW SE NE Sec. 7 Twp. 22 S. R. 16  East  West  
2335 Feet from  North /  South Line of Section  
745 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Pawnee

Lease Name: Eakin Well #: 6-7

Field Name: \_\_\_\_\_

Producing Formation: Arbuckle

Elevation: Ground: 2009 Kelly Bushing: 2020

Total Depth: 4511 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 1038 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: Deanna Gantzer Date: 04/16/2012



1078761

Operator Name: Shelby Resources LLC Lease Name: Eakin Well #: 6-7  
 Sec. 7 Twp. 22 S. R. 16  East  West County: Pawnee

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Topeka</td> <td>3142</td> <td>-1125</td> </tr> <tr> <td>Lansng</td> <td>3538</td> <td>-1521</td> </tr> <tr> <td>Base KC</td> <td>3794</td> <td>-1777</td> </tr> <tr> <td>Marmaton</td> <td>3806</td> <td>-1789</td> </tr> <tr> <td>Arbuckle</td> <td>3880</td> <td>-1863</td> </tr> <tr> <td>Reagan</td> <td>4457</td> <td>-2440</td> </tr> <tr> <td>TD</td> <td>4511</td> <td>-2494</td> </tr> </tbody> </table>	Name	Top	Datum	Topeka	3142	-1125	Lansng	3538	-1521	Base KC	3794	-1777	Marmaton	3806	-1789	Arbuckle	3880	-1863	Reagan	4457	-2440	TD	4511	-2494
Name	Top	Datum																							
Topeka	3142	-1125																							
Lansng	3538	-1521																							
Base KC	3794	-1777																							
Marmaton	3806	-1789																							
Arbuckle	3880	-1863																							
Reagan	4457	-2440																							
TD	4511	-2494																							

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	1038	60/40 Poz	400	2%gel/3%cc

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____	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

# ALLIED CFMENTING CO., LLC. 037314

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>East</u>	WELL# <u>6-7</u>	LOCATION <u>handed to west</u>			COUNTY <u>Rawl</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one): <u>South 1-70</u>							

CONTRACTOR Stearns, Rita  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 3/4 T.D. 4511  
 CASING SIZE DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 3850  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER Captive 11  
 CEMENT AMOUNT ORDERED 210 5x 60/40 + 4% 601  
4.25 flo seal  
 COMMON 136 @ 16.25 2047.50  
 POZMIX 84 @ 8.50 714.00  
 GEL 7 @ 21.25 148.75  
 CHLORIDE @  
 ASC @  
flo seal 52 @ 2.70 140.40  
 HANDLING 219 @ 2.25 492.75  
 MILEAGE 219 x 21 x .11 505.22  
 TOTAL 4049.22

EQUIPMENT  
 PUMP TRUCK CEMENTER Wayne  
 # 366 HELPER Dustin  
 BULK TRUCK  
 # 341 DRIVER Jimmy  
 BULK TRUCK  
 # DRIVER

REMARKS:  
1st Plug 3850 mix 50SX  
2nd Plug 1050 mix 50SX  
3rd Plug 700 mix 40SX  
4th Plug 600 mix 20SX  
5th Plug mouse mix 20SX  
6th Plug Rot mix 20SX

SERVICE  
 DEPTH OF JOB 3850  
 PUMP TRUCK CHARGE 1250.00  
 EXTRA FOOTAGE @  
 MILEAGE Hvm 42 @ 7.00 294.00  
 MANIFOLD @  
Hvm 42 @ 4.00 168.00  
 TOTAL 1712.00

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  
20% 20% 1,152.26  
 DISCOUNT  
 IF PAID IN 30 DAYS  
4,125.09

PRINTED NAME Shane Downs  
 SIGNATURE [Signature]

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 068

Date <u>11-17-11</u>	Sec. <u>7</u>	Twp. <u>22</u>	Range <u>16</u>	County <u>Pawnee</u>	State <u>KS</u>	On Location	Finish <u>9.30am</u>
Lease <u>Bakin</u>		Well No. <u>6-7</u>		Location <u>Lined in 15 wints</u>			
Contractor <u>Sterling Drilling #2</u>				Owner			
Type Job <u>Surface</u>				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.			
Hole Size <u>12 1/4</u>		T.D. <u>1043</u>		Charge To <u>Captiva II</u>			
Csg. <u>8 5/8</u>		Depth <u>1038</u>		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. <u>42.83</u>		Shoe Joint <u>42.83</u>		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <u>63'14 3/4</u>		Cement Amount Ordered <u>400 6 1/4 3 1/2 2 1/2 1</u>			
<b>EQUIPMENT</b>							
Pumptrk <u>1</u>	No.	Cement Helper <u>Eraig</u>		Common <u>240</u>			
Bulktrk	No.	Driver <u>C. SW</u>		Poz. Mix <u>160</u>			
Bulktrk <u>12</u>	No.	Driver <u>Midatt</u>		Gel. <u>8</u>			
<b>JOB SERVICES &amp; REMARKS</b>				Calcium <u>15</u>			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
DN or Port Collar				CFL-117 or CD110 CAF 38			
<u>8 5/8 on bottom EST Circulation.</u>				Sand			
<u>Mix 400 sac, Displace Plug.</u>				Handling <u>423</u>			
<u>Cement Circulated.</u>				Mileage			
<u>Floater Held Plug Land in @</u>				<b>FLOAT EQUIPMENT</b>			
<u>800#.</u>				Guide Shoe <u>8 5/8</u>			
				Centralizer			
				Baskets			
				AFU Inserts <u>1</u>			
				Float Shoe <u>Rubber Plug.</u>			
				Latch Down			
				Pumptrk Charge <u>Long Surface</u>			
				Mileage <u>31</u>			
				Tax			
				Discount			
				Total Charge			

Signature

/



## 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

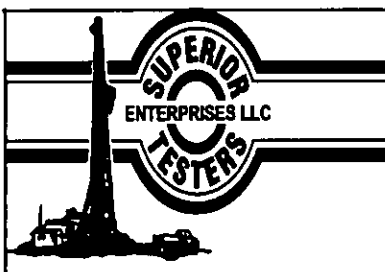
End Date: 2011.11.25 @ 08:45:30

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

Captiva II L.L.C      Eakin #6-7      7-22s-16w Pawnee      DST # 4      Arbuckle      2011.11.25



# 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

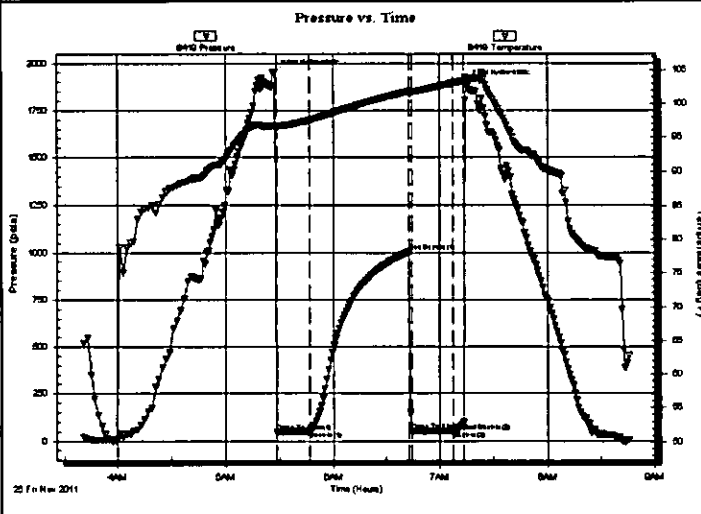
## GENERAL INFORMATION:

**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)  
**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 Shhut-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

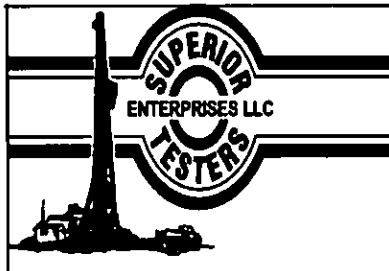
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1948.66	96.76	Initial Hydro-static
1	49.73	96.59	Open To Flow (1)
19	51.47	97.55	Shut-in(1)
76	1004.99	101.85	End Shut-in(1)
77	52.80	101.74	Open To Flow (2)
100	54.41	103.05	Shut-in(2)
106	96.35	103.39	End Shut-in(2)
108	1891.33	103.69	Final Hydro-static

## 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)**

Total Depth: **3921.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2017.00 ft (KB)**

**2006.00 ft (CF)**

KB to GR/CF: **11.00 ft**

## Serial #: 8524

Press@RunDepth: **97.86 psia @ ft (KB)**

Start Date: **2011.11.25**

End Date: **2011.11.25**

Capacity: **5000.00 psia**

Last Calib.: **2011.11.25**

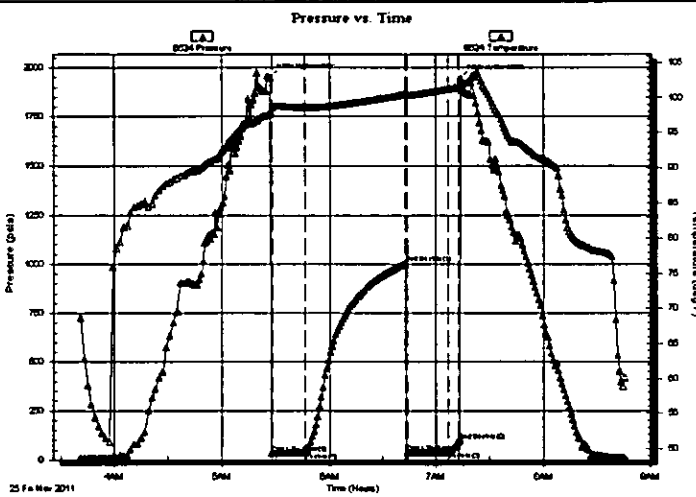
Start Time: **03:40:00**

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

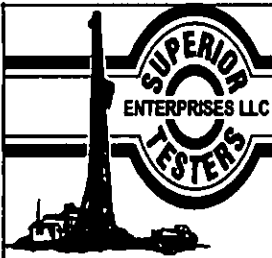
## Recovery

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

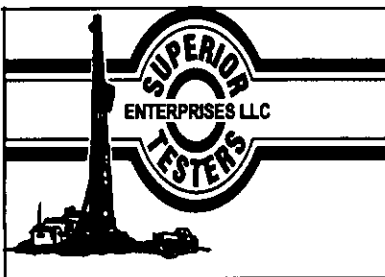
Test Start: 2011.11.25 @ 03:40:00

## 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
<b>Total Tool Length:</b>	<b>37.00</b>				



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Captiva II L.L.C  
 445 Union Blvd Suite 208 Lakewood CO 80228  
 ATTN: Bruce Ard

**Eakin #6-7**  
**7-22s-16w Pawnee**  
 Job Ticket: 18662      **DST#: 4**  
 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: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

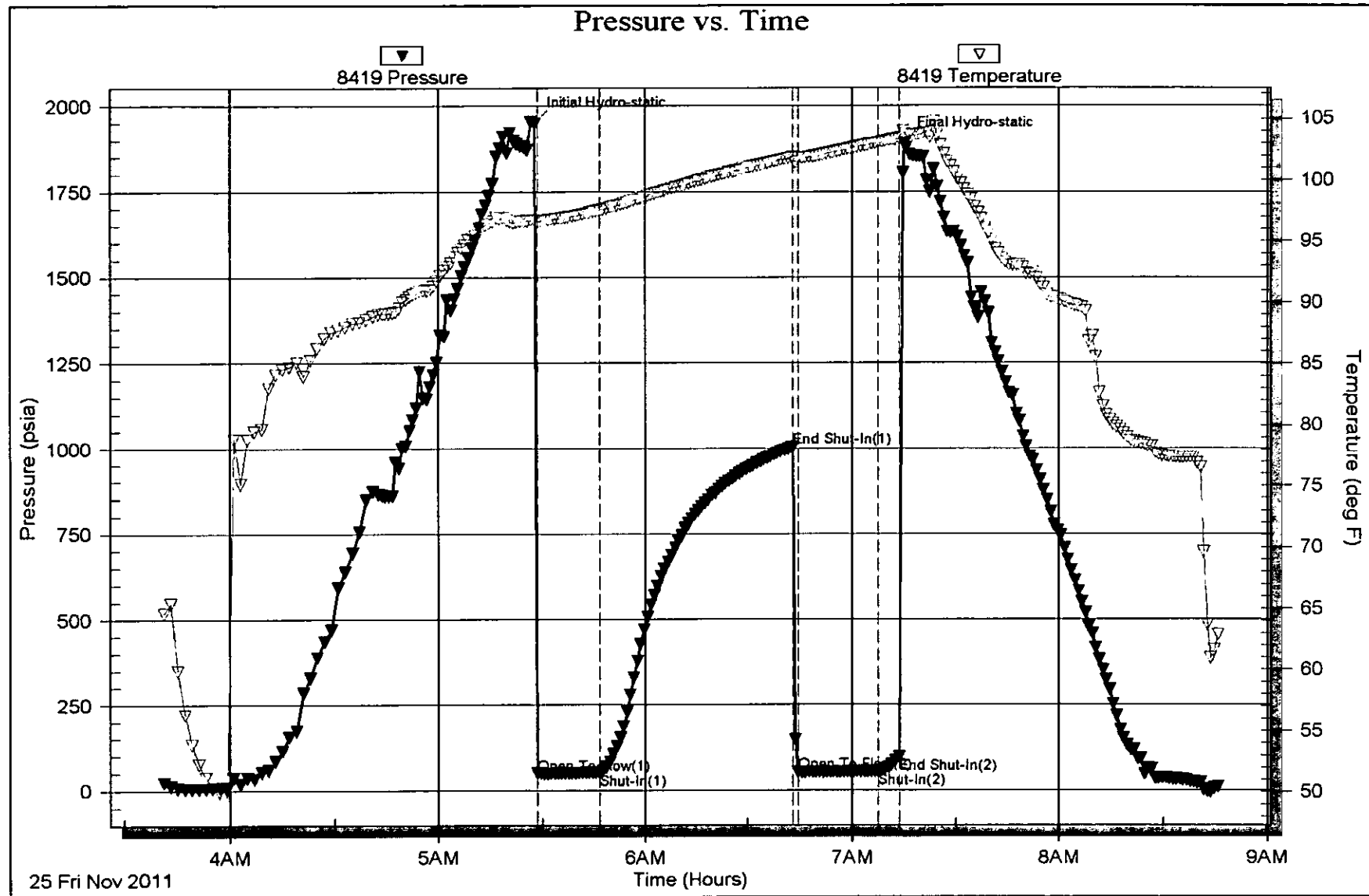
Length ft	Description	Volume bbl
5.00	Mud	0.025

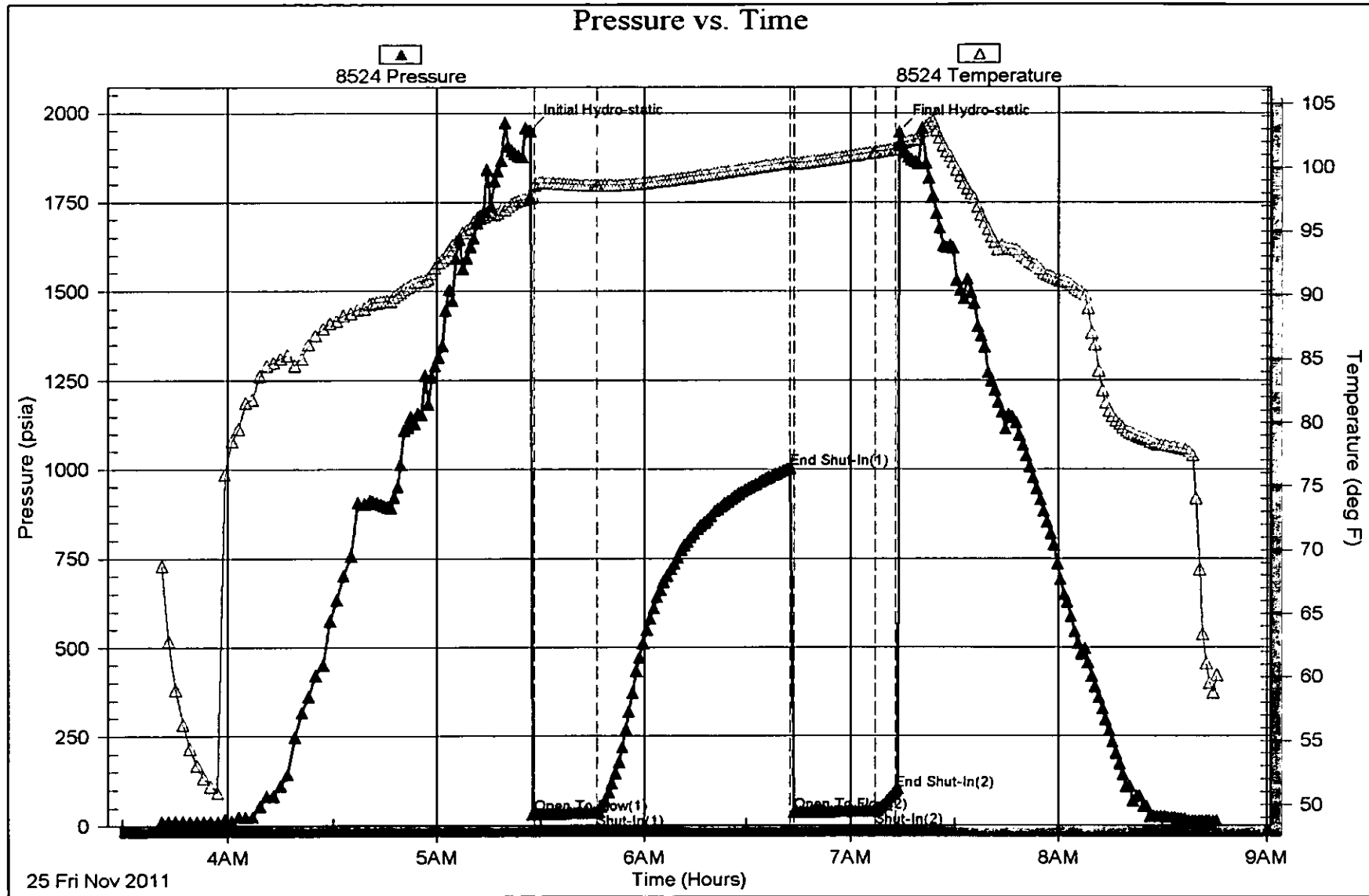
Total Length: 5.00 ft      Total Volume: 0.025 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Ruined Packer







## 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

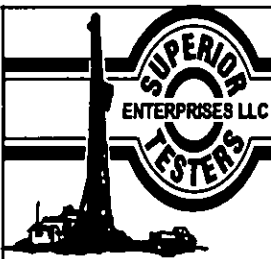
End Date: 2011.11.23 @ 07:45:30

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

Captiva II L.L.C  
Eakin #6-7  
7-22s-16w Pawnee  
DST # 1  
Arbuckle  
2011.11.23



# DRILL STEM TEST REPORT

Captiva II L.L.C  
 445 Union Blvd Suite 208 Lakewood CO 80228  
 ATTN: Bruce Ard

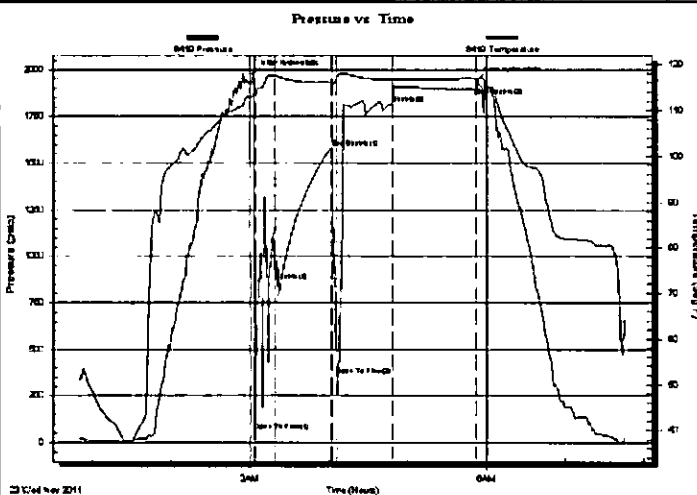
**Eakin #6-7**  
**7-22s-16w Pawnee**  
 Job Ticket: 18659      **DST#: 1**  
 Test Start: 2011.11.23 @ 00:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:03:30  
 Time Test Ended: 07:45:30  
 Interval: **3883.00 ft (KB) To 3905.00 ft (KB) (TVD)**  
 Total Depth: 3905.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-GB-60  
 Reference Elevations: 2017.00 ft (KB)  
 2006.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8419**      **Inside**  
 Press@RunDepth: 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

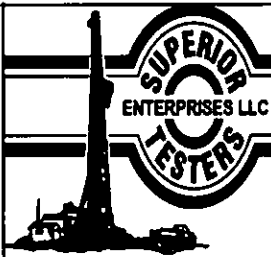
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1977.00	113.36	Initial Hydro-static
1	62.74	113.12	Open To Flow (1)
16	868.67	117.46	Shut-in(1)
60	1583.35	116.02	End Shut-in(1)
63	361.05	116.75	Open To Flow (2)
106	1819.89	116.63	Shut-in(2)
169	1859.46	116.90	End Shut-in(2)
170	1942.62	116.91	Final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

ATTN: Bruce Ard

Job Ticket: 18659

DST#: 1

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@RunDepth: 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

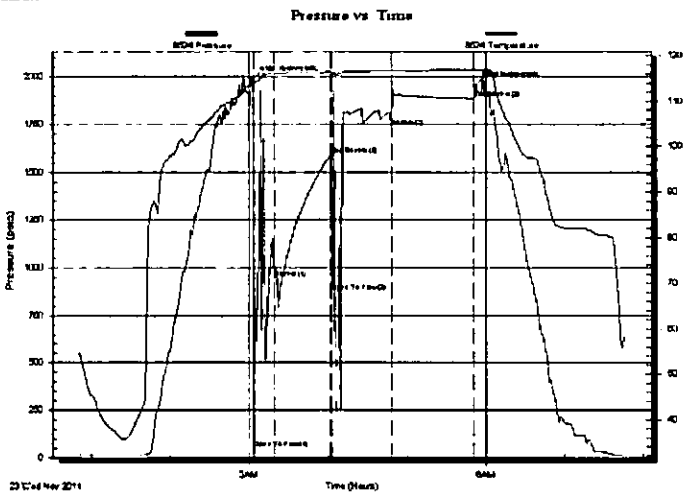
Start Time: 00:50:00

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

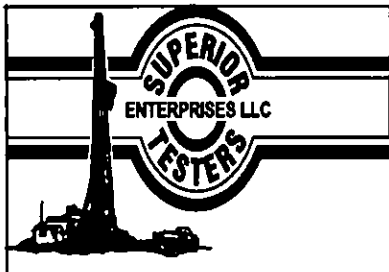
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1987.03	114.10	Initial Hydro-static
1	47.48	113.52	Open To Flow (1)
17	944.59	116.08	Shut-in(1)
60	1588.83	116.37	End Shut-in(1)
60	874.18	116.13	Open To Flow (2)
106	1734.25	116.60	Shut-in(2)
168	1887.12	116.91	End Shut-in(2)
170	1955.67	116.85	Final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

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
<b>Total Tool Length:</b>	<b>50.00</b>				





# 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**

ATTN: Bruce Ard

Job Ticket: 18659

**DST#: 1**

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:

bbbl

Water Loss: 7.20 in<sup>3</sup>

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

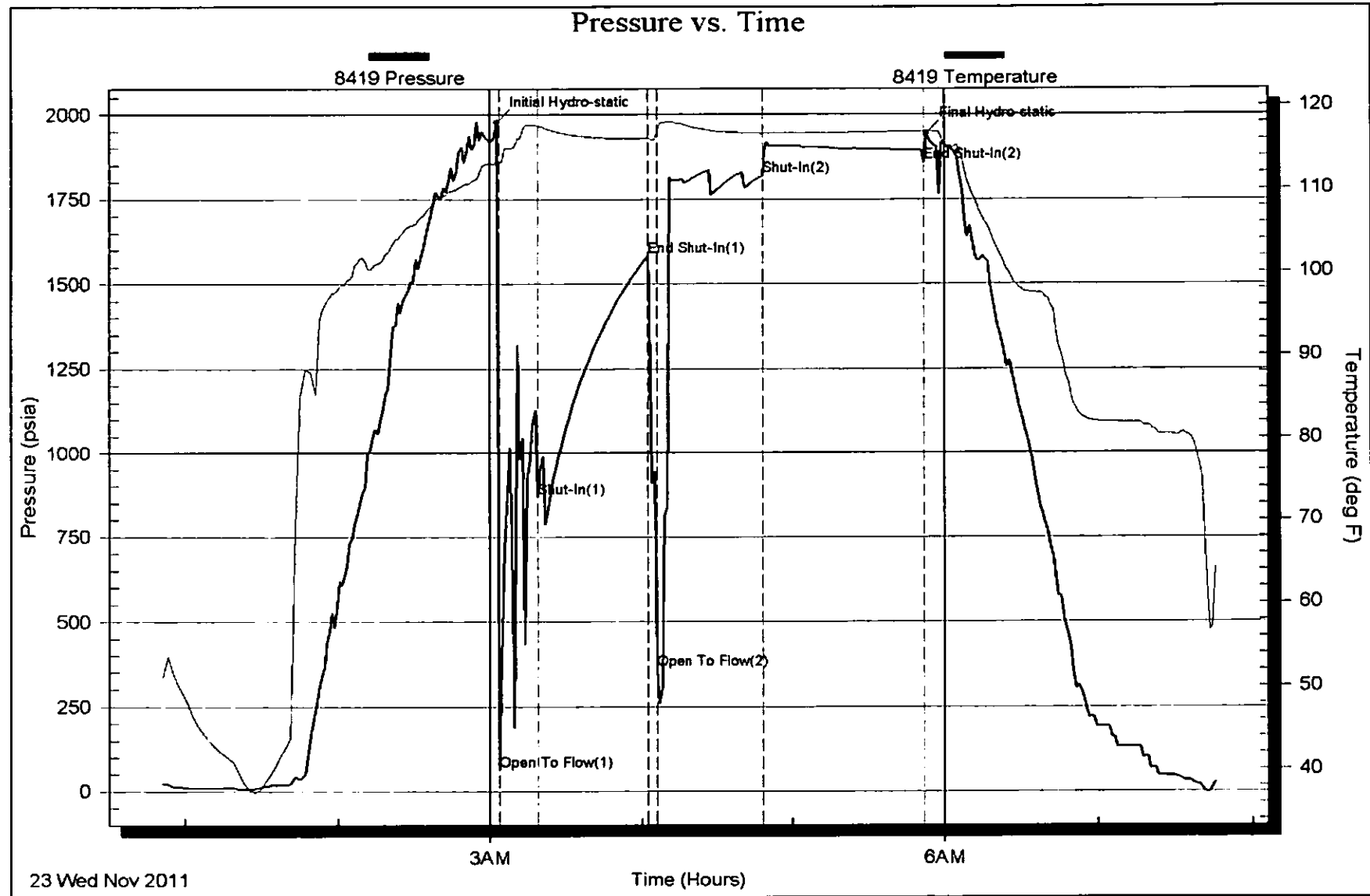
Num Gas Bombs: 0

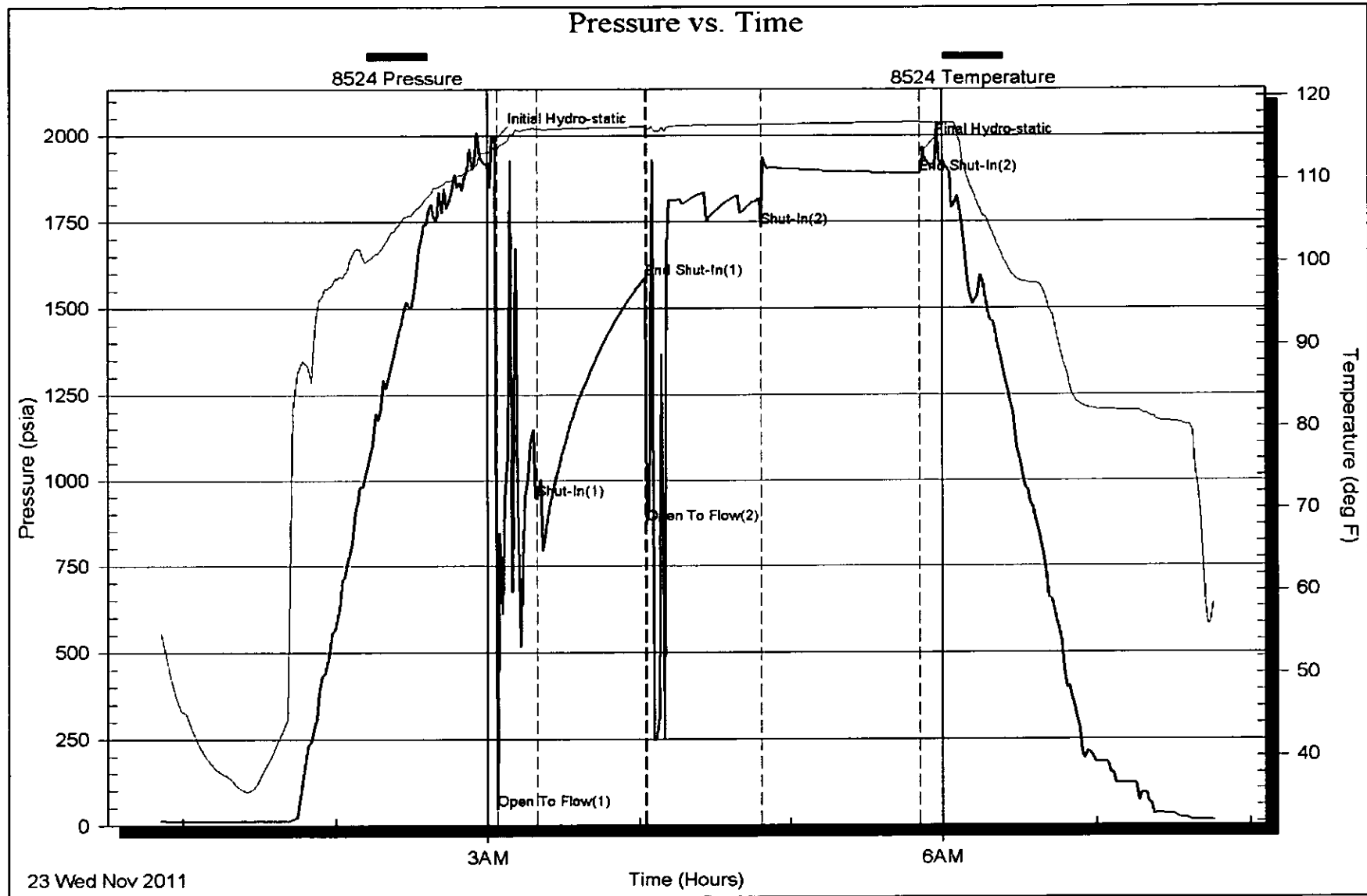
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Ruined packer/Had plugging throughout test





23 Wed Nov 2011



## 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

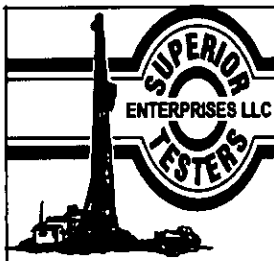
End Date: 2011.11.24 @ 02:05:30

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

Captiva II L.L.C    Eakin #6-7    7-22s-16w Pawnee    DST # 2    Arduckle    2011.11.23



# DRILL STEM TEST REPORT

Captiva II L.L.C  
 445 Union Blvd Suite 208 Lakewood CO 80228  
 ATTN: Bruce Ard

**Eakin #6-7**  
**7-22s-16w Pawnee**  
 Job Ticket: 18660      **DST#: 2**  
 Test Start: 2011.11.23 @ 19:10:00

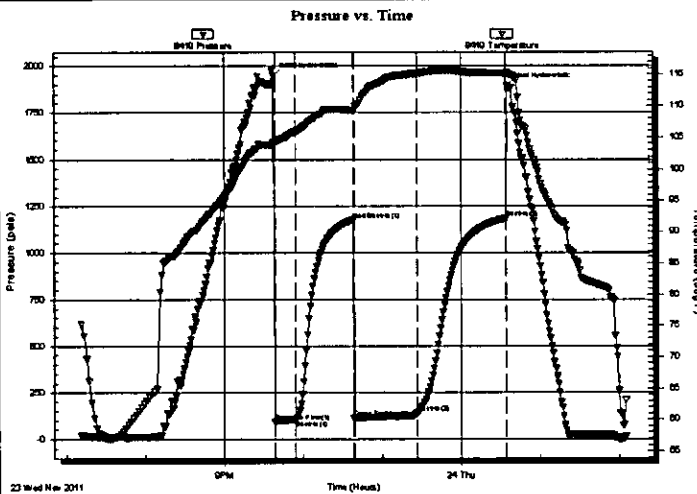
### GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: **21:38:30**  
 Time Test Ended: **02:05:30**  
 Interval: **3824.00 ft (KB) To 3907.00 ft (KB) (TVD)**  
 Total Depth: **3907.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Jared Scheck**  
 Unit No: **3320-GB-60**  
 Reference Elevations: **2017.00 ft (KB)**  
**2006.00 ft (CF)**  
**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

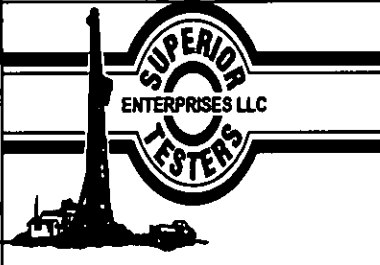
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1947.10	104.27	Initial Hydro-static
1	93.83	104.27	Open To Flow (1)
17	104.50	105.85	Shut-in(1)
61	1177.94	109.30	End Shut-in(1)
61	111.00	109.31	Open To Flow (2)
109	138.54	115.19	Shut-in(2)
177	1183.70	115.17	Shut-in(3)
178	1890.69	115.35	Final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

ATTN: Bruce Ard

Job Ticket: 18660

DST#: 2

Test Start: 2011.11.23 @ 19:10:00

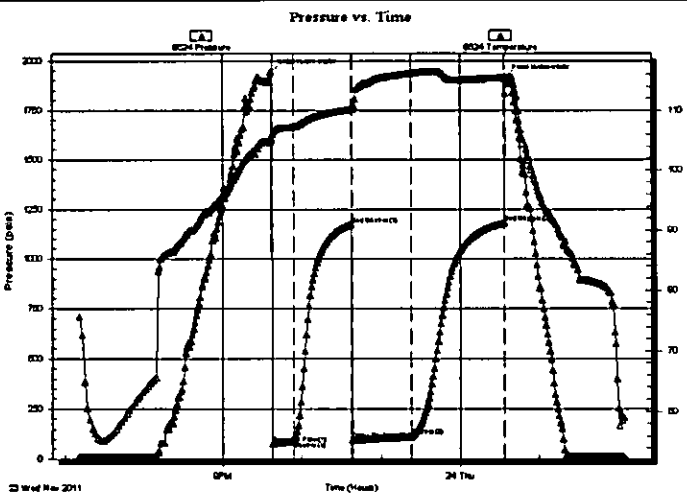
## GENERAL INFORMATION:

**Formation:** Arbuckle  
**Deviated:** No **Whipstock:** ft (KB)  
**Time Tool Opened:** 21:38:30  
**Time Test Ended:** 02:05:30  
**Interval:** 3824.00 ft (KB) To 3907.00 ft (KB) (TVD)  
**Total Depth:** 3907.00 ft (KB) (TVD)  
**Hole Diameter:** 7.88 inches **Hole Condition:** Fair  
**Test Type:** Conventional Bottom Hole (Initial)  
**Tester:** Jared Scheck  
**Unit No:** 3320-GB-60  
**Reference Elevations:** 2017.00 ft (KB)  
 2006.00 ft (CF)  
**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

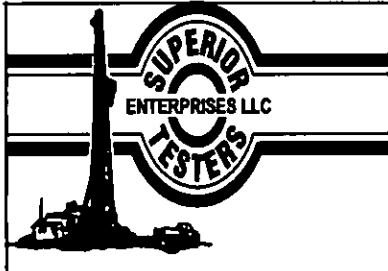
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1942.33	105.02	Initial Hydro-static
1	77.00	106.02	Open To Flow (1)
17	90.25	107.24	Shut-in(1)
61	1173.94	110.16	End Shut-in(1)
62	94.90	110.19	Open To Flow (2)
106	112.32	116.22	Shut-in(2)
177	1180.98	115.48	End Shut-in(2)
178	1913.91	115.59	Final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

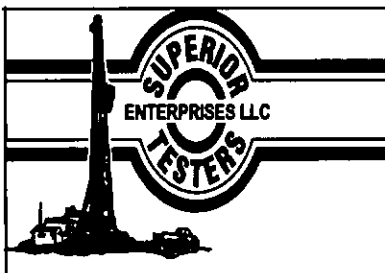
## Tool Information

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
			Total Volume: 51.63 bbl	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	
Hydrolic 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 in<sup>3</sup>

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

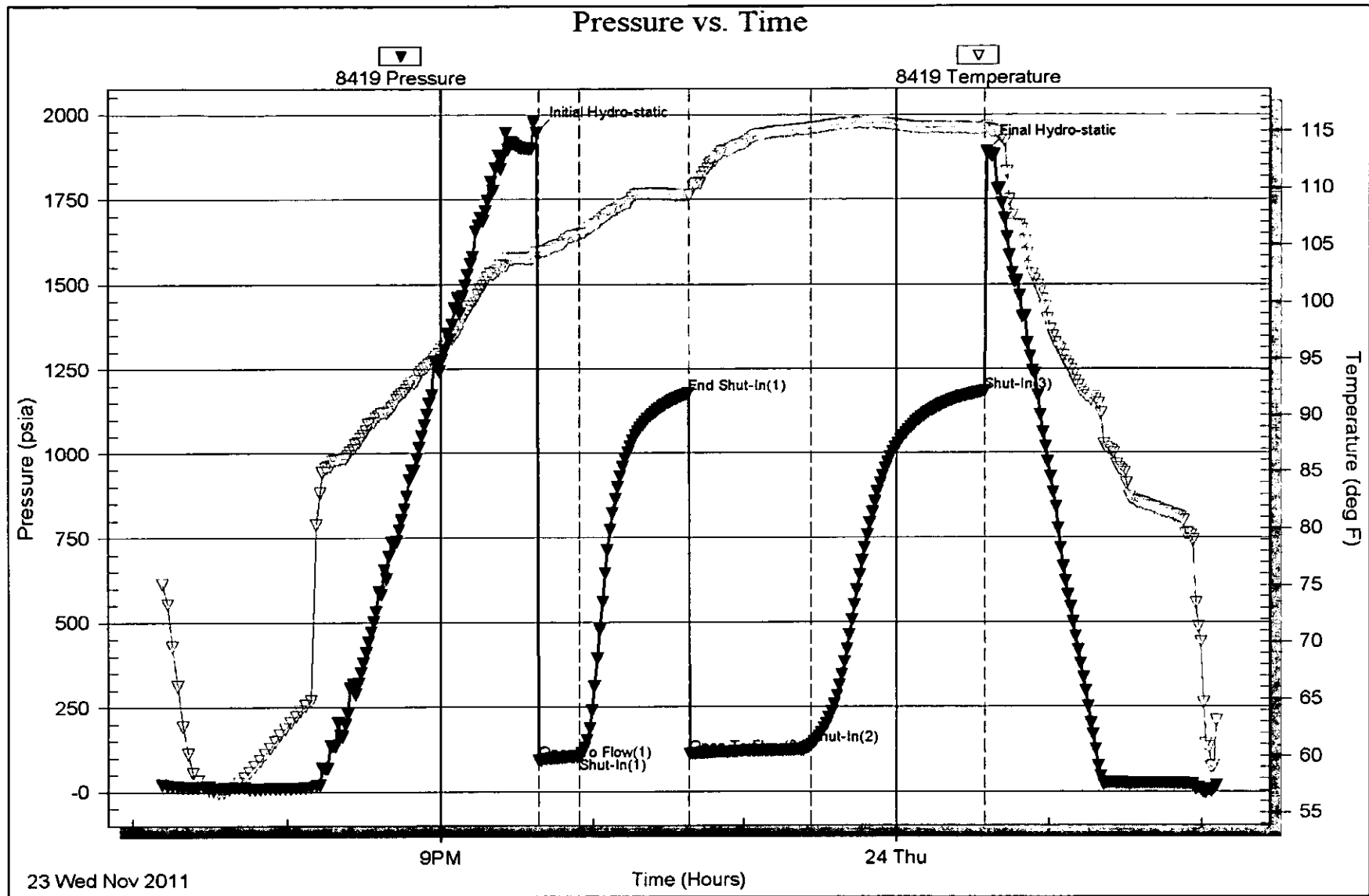
Serial #:

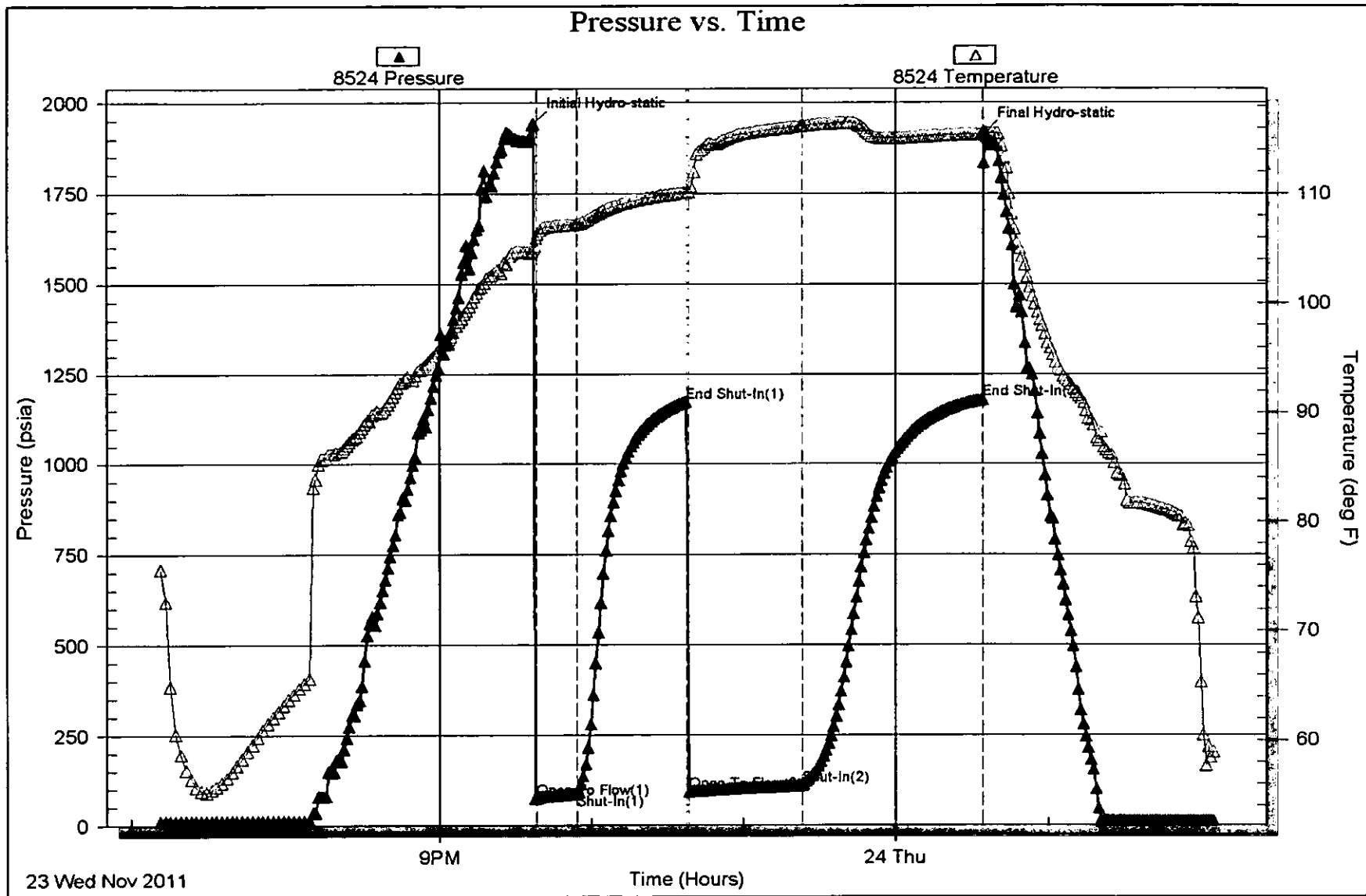
Laboratory Name:

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

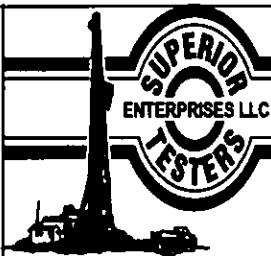
End Date: 2011.11.24 @ 17:48:00

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

Captiva II L.L.C      Eakin #6-7      7-22s-16w Pawnee      DST # 3      Arbuckle      2011.11.24



# 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: 18661

DST#: 3

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)**

Total Depth: **3915.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2017.00 ft (KB)**

**2006.00 ft (CF)**

KB to GR/CF: **11.00 ft**

## Serial #: 8419

Press@RunDepth: **86.89 psia @ ft (KB)**

Start Date: **2011.11.24**

Start Time: **10:37:00**

End Date: **2011.11.24**

End Time: **17:48:00**

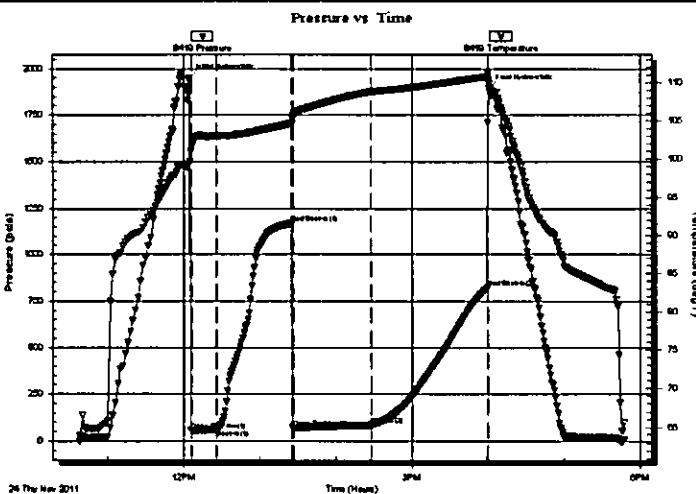
Capacity: **5000.00 psia**

Last Calib.: **2011.11.24**

Time On Btrn: **2011.11.24 @ 12:04:30**

Time Off Btrn: **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

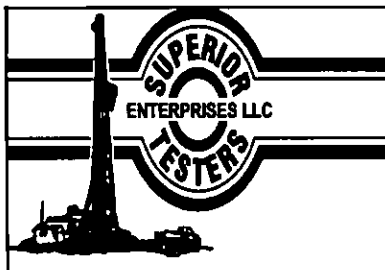
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.69	99.58	Initial Hydro-static
1	54.98	101.03	Open To Flow (1)
21	61.36	103.03	Shut-in(1)
81	1168.95	104.63	End Shut-in(1)
82	70.53	105.55	Open To Flow (2)
144	86.89	108.78	Shut-in(2)
236	821.37	110.75	End Shut-in(2)
237	1894.52	110.35	Final Hydro-static

## 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  
 445 Union Blvd Suite 208 Lakewood CO 80228  
 ATTN: Bruce Ard

**Eakin #6-7**  
**7-22s-16w Pawnee**  
 Job Ticket: 18661      **DST#: 3**  
 Test Start: 2011.11.24 @ 10:37:00

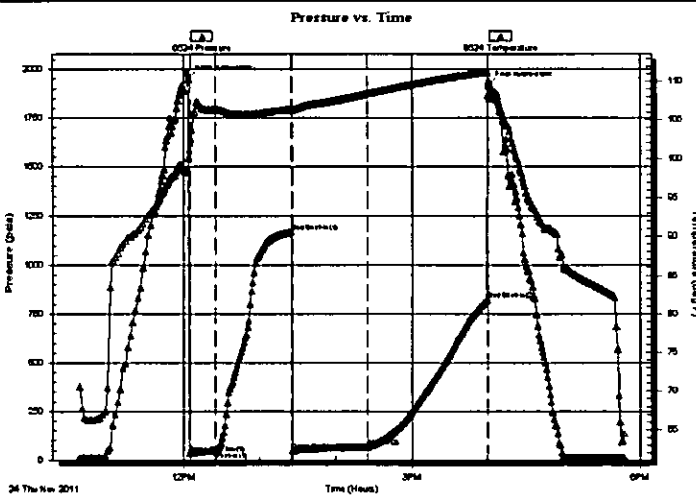
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: **12:05:30**  
 Time Test Ended: **17:48:00**  
 Interval: **3905.00 ft (KB) To 3915.00 ft (KB) (TVD)**  
 Total Depth: **3915.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Jared Scheck**  
 Unit No: **3320-GB-60**  
 Reference Elevations: **2017.00 ft (KB)**  
**2006.00 ft (CF)**  
**KB to GR/CF: 11.00 ft**

## Serial #: 8524

Press@RunDepth: **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 Btrr: **2011.11.24 @ 12:04:00**  
 Time Off Btrr: **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

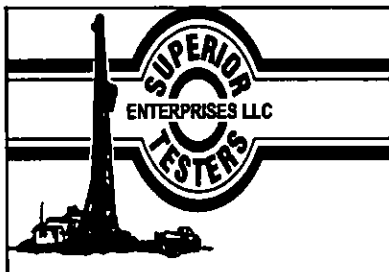
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1950.00	100.12	Initial Hydro-static
1	35.29	102.02	Open To Flow (1)
21	45.00	106.39	Shut-in(1)
81	1167.07	106.40	End Shut-in(1)
82	50.22	106.25	Open To Flow (2)
141	68.48	108.41	Shut-in(2)
236	824.49	111.26	End Shut-in(2)
237	1915.13	110.16	Final Hydro-static

## 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 (Mc/d)



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva II L.L.C  
 445 Union Blvd Suite 208 Lakewood CO 80228  
 ATTN: Bruce Ard

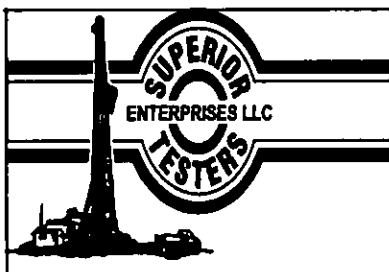
**Eakin #6-7**  
**7-22s-16w Pawnee**  
 Job Ticket: 18661      **DST#: 3**  
 Test Start: 2011.11.24 @ 10:37:00

### 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
<b>Total Tool Length:</b>	<b>38.00</b>				



# 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

ATTN: Bruce Ard

Job Ticket: 18661

DST#: 3

Test Start: 2011.11.24 @ 10:37:00

### Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 55.00 sec/qt  
 Water Loss: 7.20 in<sup>3</sup>  
 Resistivity: ohm.m  
 Salinity: 7200.00 ppm  
 Filter Cake: 1.00 inches

Cushion Type:  
 Cushion Length: ft  
 Cushion Volume: bbl  
 Gas Cushion Type:  
 Gas Cushion Pressure: psia

Oil API: deg API  
 Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
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

