



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1188791  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1188791

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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## DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas Corp**

PO Box 837  
Russell KS 67665-0837

ATTN: Brad Hutchison

### **Saline Breaks #3**

#### **14 13s 14w Russell,KS**

Start Date: 2013.11.03 @ 01:38:00

End Date: 2013.11.03 @ 10:21:00

Job Ticket #: 55779                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.06 @ 14:15:05



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp  
 PO Box 837  
 Russell KS 67665-0837  
 ATTN: Brad Hutchison

**14 13s 14w Russell, KS**

**Saline Breaks #3**

Job Ticket: 55779

**DST#: 1**

Test Start: 2013.11.03 @ 01:38:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 06:20:00  
 Tester: Jim Svaty  
 Time Test Ended: 10:21:00  
 Unit No: 54  
 Interval: **3235.00 ft (KB) To 3294.00 ft (KB) (TVD)**  
 Reference Elevations: 1818.00 ft (KB)  
 Total Depth: 3294.00 ft (KB) (TVD)  
 1814.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 4.00 ft

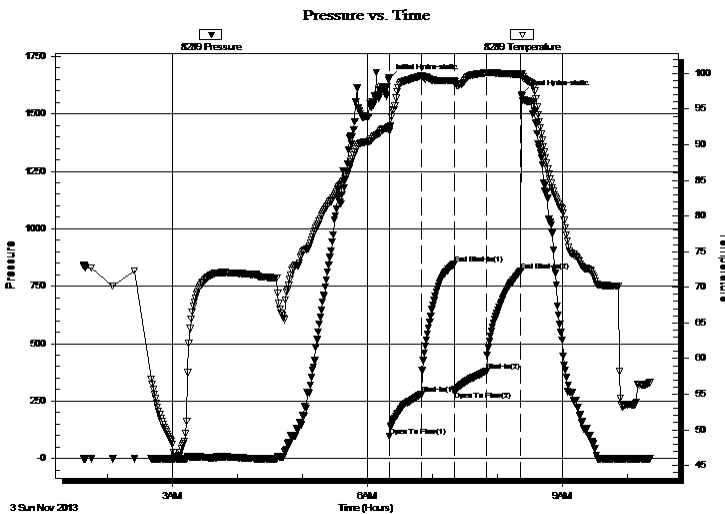
## Serial #: 8289

**Outside**

Press @ Run Depth: 379.70 psig @ 3236.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.03 End Date: 2013.11.03 Last Calib.: 2013.11.03  
 Start Time: 01:38:02 End Time: 10:21:00 Time On Btm: 2013.11.03 @ 06:19:45  
 Time Off Btm: 2013.11.03 @ 08:21:45

**TEST COMMENT:** 30-IFP- BOB in 2 min.  
 30-ISIP- No Blow  
 30-FFP- BOB in 4 min.  
 30-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.29	92.45	Initial Hydro-static
1	98.11	91.90	Open To Flow (1)
30	279.07	99.61	Shut-In(1)
60	847.15	98.97	End Shut-In(1)
61	293.40	98.82	Open To Flow (2)
90	379.70	100.10	Shut-In(2)
122	815.59	99.81	End Shut-In(2)
122	1584.74	99.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
466.00	OMCW 5%o 20%m 75%w	3.42
248.00	OMCW 20%o 35%m 45%w	3.48
62.00	Oil Speck Mud 100%	0.87
19.00	OWCM 15%o 35%w 50%m	0.27
1.00	MWCO 10%w 10%m 80%o	0.01

## Gas Rates

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



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Prospect Oil & Gas Corp  
 PO Box 837  
 Russell KS 67665-0837  
 ATTN: Brad Hutchison

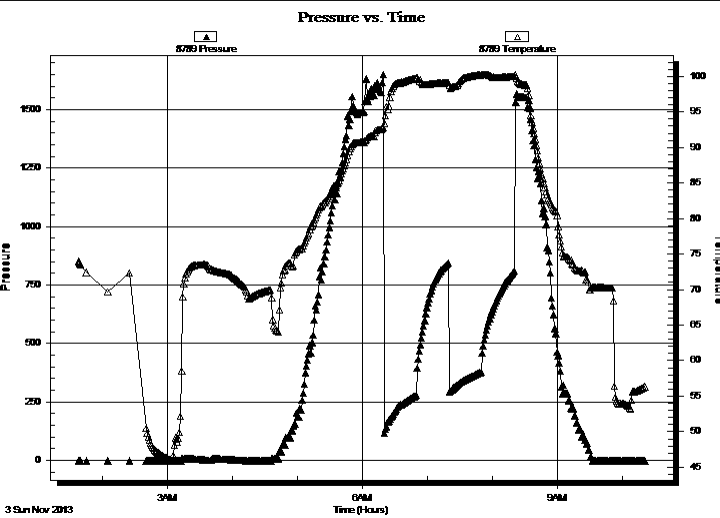
**14 13s 14w Russell, KS**  
**Saline Breaks #3**  
 Job Ticket: 55779 **DST#: 1**  
 Test Start: 2013.11.03 @ 01:38:00

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 06:20:00 Tester: Jim Svaty  
 Time Test Ended: 10:21:00 Unit No: 54  
 Interval: **3235.00 ft (KB) To 3294.00 ft (KB) (TVD)** Reference Elevations: 1818.00 ft (KB)  
 Total Depth: 3294.00 ft (KB) (TVD) 1814.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 4.00 ft

**Serial #: 8789 Inside**  
 Press@RunDepth: psig @ 3236.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.03 End Date: 2013.11.03 Last Calib.: 2013.11.03  
 Start Time: 01:38:02 End Time: 10:20:45 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30-IFP- BOB in 2 min.  
 30-ISIP- No Blow  
 30-FFP- BOB in 4 min.  
 30-FSIP- No Blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
466.00	OMCW 5%o 20%m 75%w	3.42
248.00	OMCW 20%o 35%m 45%w	3.48
62.00	Oil Speck Mud 100%	0.87
19.00	OWCM 15%o 35%w 50%m	0.27
1.00	MWCO 10%w 10%m 80%o	0.01

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas Corp

**14 13s 14w Russell, KS**

PO Box 837  
Russell KS 67665-0837

**Saline Breaks #3**

Job Ticket: 55779

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2013.11.03 @ 01:38:00

## Tool Information

Drill Pipe:	Length: 2772.00 ft	Diameter: 3.80 inches	Volume: 38.88 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 466.00 ft	Diameter: 2.75 inches	Volume: 3.42 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 42.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3235.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3215.00	
Shut In Tool	5.00			3220.00	
Hydraulic tool	5.00			3225.00	
Packer	5.00			3230.00	21.00 Bottom Of Top Packer
Packer	5.00			3235.00	
Stubb	1.00			3236.00	
Recorder	0.00	8789	Inside	3236.00	
Recorder	0.00	8289	Outside	3236.00	
Blank Spacing	22.00			3258.00	
Change Over Sub	1.00			3259.00	
Blank Spacing	31.00			3290.00	
Change Over Sub	1.00			3291.00	
Bullnose	3.00			3294.00	59.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp  
 PO Box 837  
 Russell KS 67665-0837  
 ATTN: Brad Hutchison

**14 13s 14w Russell,KS**  
**Saline Breaks #3**  
 Job Ticket: 55779      **DST#: 1**  
 Test Start: 2013.11.03 @ 01:38:00

## 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:	15000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: inches			

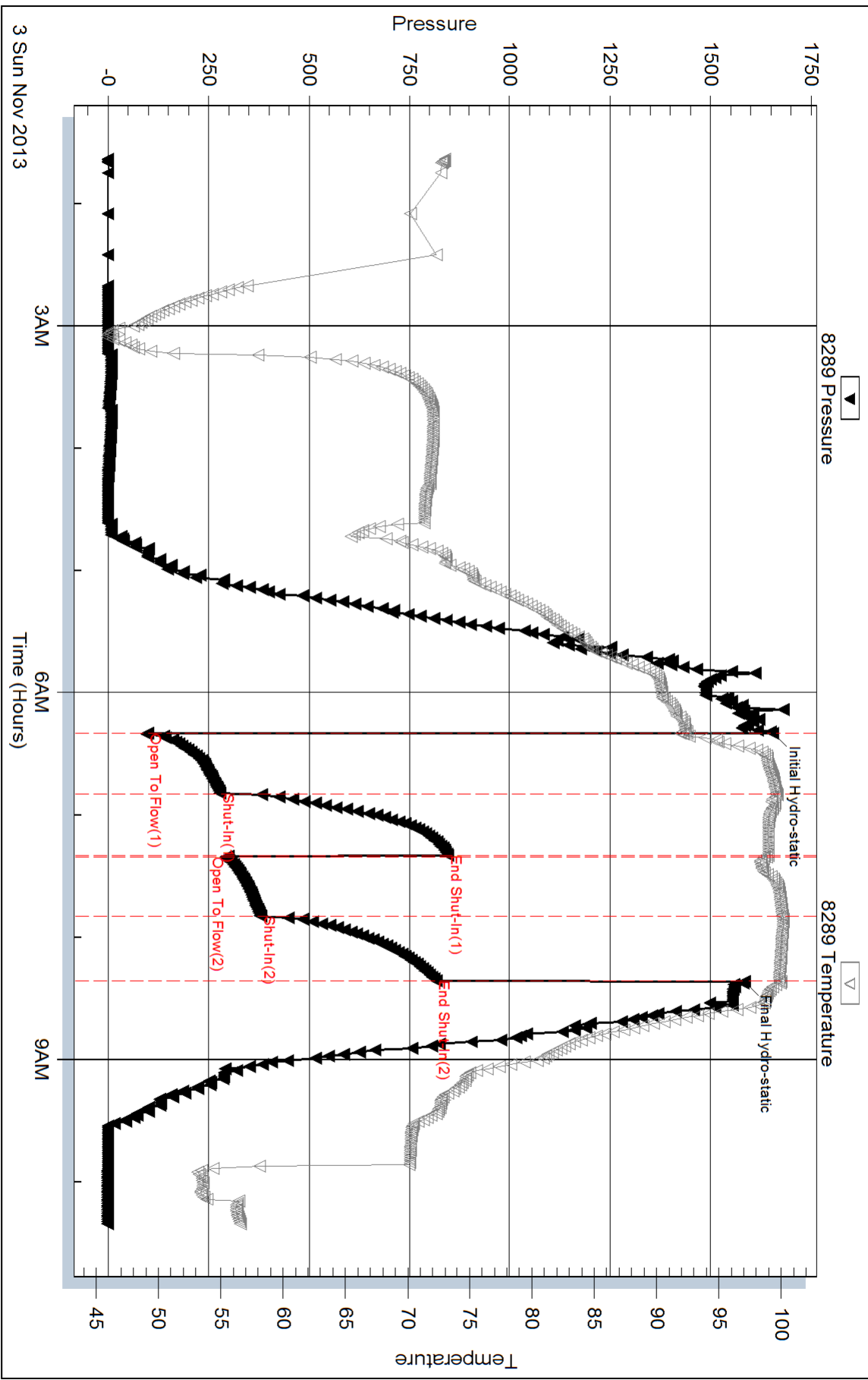
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
466.00	OMCW 5%o 20%m 75%w	3.423
248.00	OMCW 20%o 35%m 45%w	3.479
62.00	Oil Speck Mud 100%	0.870
19.00	OWCM 15%o 35%w 50%m	0.267
1.00	MWCO 10%w 10%m 80%o	0.014

Total Length: 796.00 ft      Total Volume: 8.053 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: .553 @ 53

### Pressure vs. Time





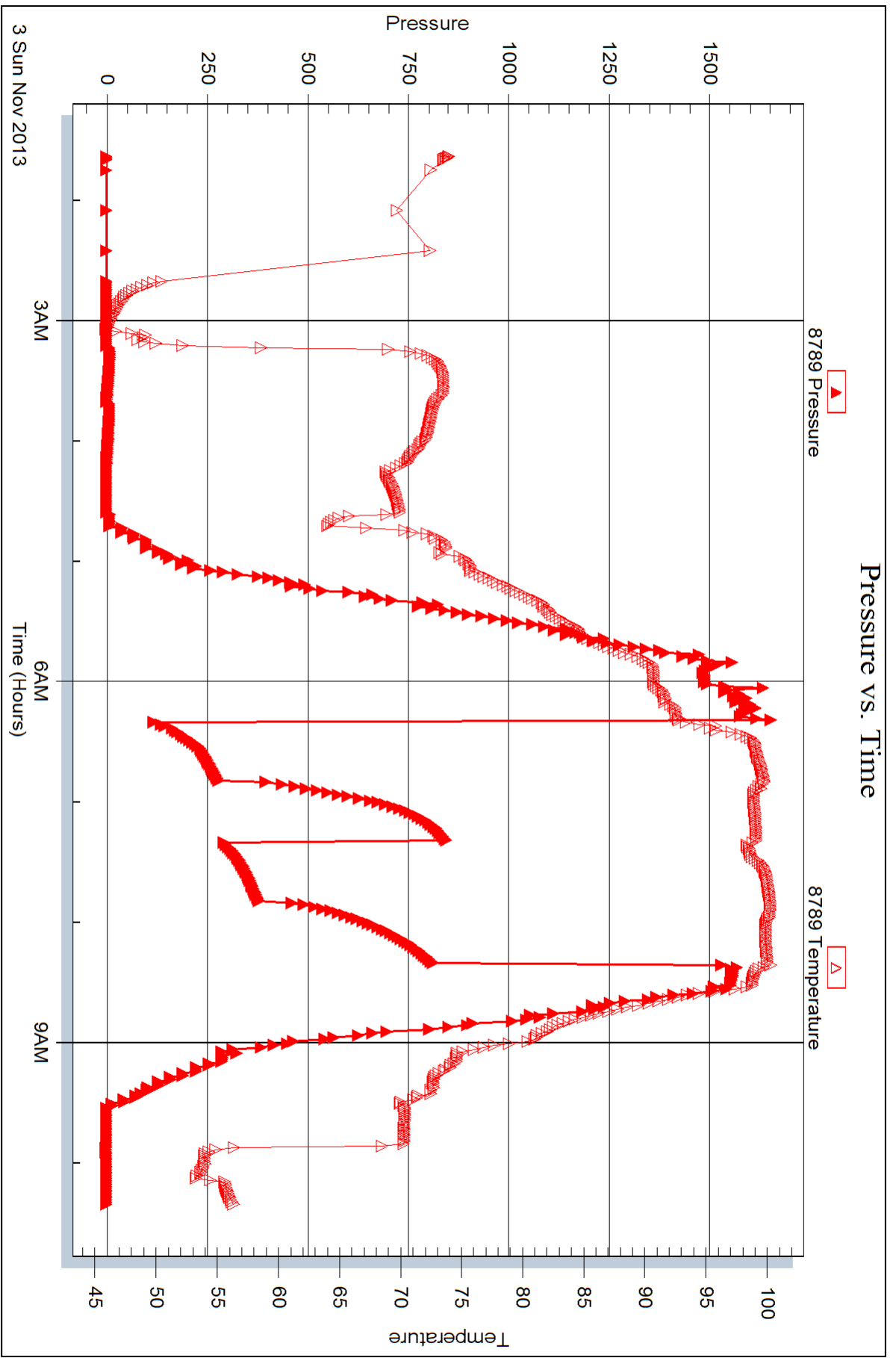
Serial #: 8789

Inside

Prospect Oil & Gas Corp

Saline Breaks #3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55779

Printed: 2013.11.06 @ 14:15:07



## DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas Corp**

PO Box 837  
Russell KS 67665-0837

ATTN: Brad Hutchison

### **Saline Breaks #3**

#### **14 13s 14w Russell,KS**

Start Date: 2013.11.03 @ 22:08:00

End Date: 2013.11.04 @ 07:37:00

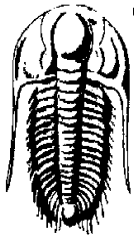
Job Ticket #: 55780                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.06 @ 14:13:16



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

**14 13s 14w Russell, KS**

PO Box 837  
Russell KS 67665-0837

**Saline Breaks #3**

Job Ticket: 55780

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2013.11.03 @ 22:08:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:07:15

Time Test Ended: 07:37:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3264.00 ft (KB) To 3288.00 ft (KB) (TVD)**

Reference Elevations: 1818.00 ft (KB)

Total Depth: 3361.00 ft (KB) (TVD)

1814.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8289 Outside**

Press @ Run Depth: 132.03 psig @ 3265.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.03

End Date:

2013.11.04

Last Calib.:

2013.11.04

Start Time: 22:08:02

End Time:

07:36:45

Time On Btm:

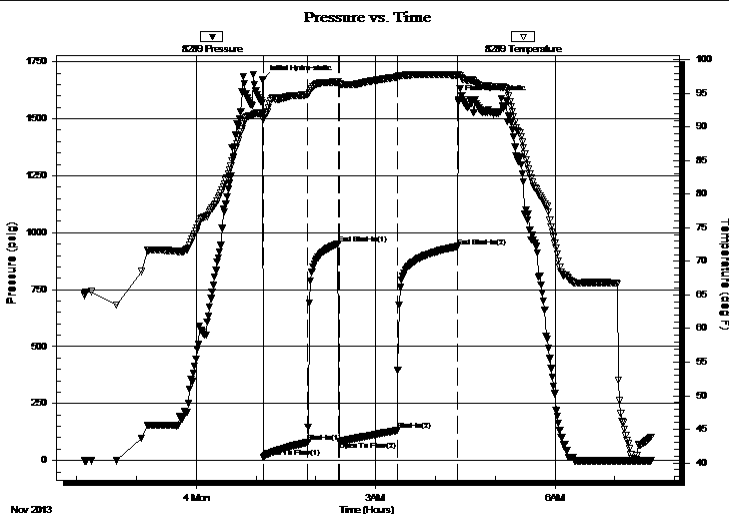
2013.11.04 @ 01:07:00

Time Off Btm:

2013.11.04 @ 04:23:15

**TEST COMMENT:** 45-IFP- Surface Blow Building to 10"  
30-ISIP- No Blow  
60-FFP- Surface Blow Building to 7"  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.20	92.02	Initial Hydro-static
1	14.38	91.06	Open To Flow (1)
45	80.40	94.81	Shut-In(1)
76	950.54	96.66	End Shut-In(1)
77	83.82	96.45	Open To Flow (2)
135	132.03	97.42	Shut-In(2)
196	939.68	97.71	End Shut-In(2)
197	1582.70	97.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OMCW 5%o 40%m 55%w	0.22
154.00	WMCO 20%w 35%m 45%o	1.13
45.00	OCM 25%o 75%m	0.33
25.00	CO 100%	0.18

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp  
 PO Box 837  
 Russell KS 67665-0837  
 ATTN: Brad Hutchison

**14 13s 14w Russell, KS**  
**Saline Breaks #3**  
 Job Ticket: 55780 **DST#: 2**  
 Test Start: 2013.11.03 @ 22:08:00

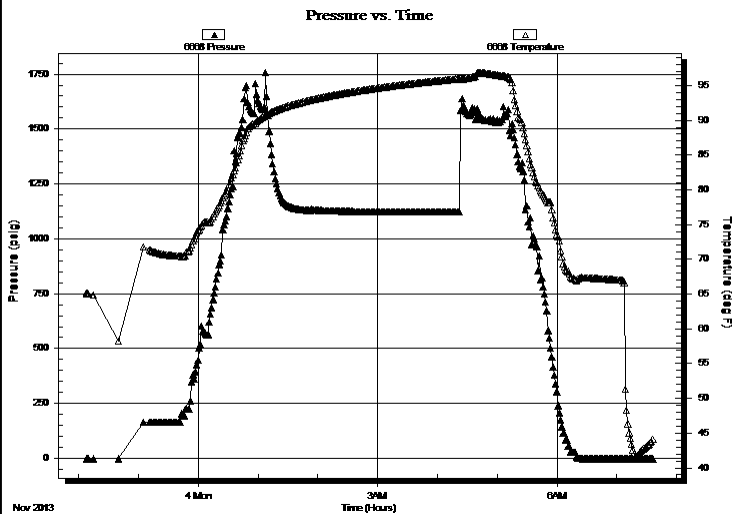
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:07:15  
 Time Test Ended: 07:37:00  
 Interval: **3264.00 ft (KB) To 3288.00 ft (KB) (TVD)**  
 Total Depth: 3361.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Jim Svaty  
 Unit No: 54  
 Reference Elevations: 1818.00 ft (KB)  
 1814.00 ft (CF)  
 KB to GR/CF: 4.00 ft

## Serial #: 6668 Below (Straddle)

Press @ Run Depth: psig @ 3293.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.03 End Date: 2013.11.04 Last Calib.: 2013.11.04  
 Start Time: 22:08:02 End Time: 07:36:45 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 10"  
 30-ISIP- No Blow  
 60-FFP- Surface Blow Building to 7"  
 60-FSIP- No Blow



## PRESSURE SUMMARY

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

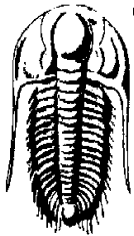
## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OMCW 5%o 40%m 55%w	0.22
154.00	WMCO 20%w 35%m 45%o	1.13
45.00	OCM 25%o 75%m	0.33
25.00	CO 100%	0.18

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

**14 13s 14w Russell, KS**

PO Box 837  
Russell KS 67665-0837

**Saline Breaks #3**

Job Ticket: 55780

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2013.11.03 @ 22:08:00

### GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)

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Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3264.00 ft (KB) To 3288.00 ft (KB) (TVD)**

Reference Elevations: 1818.00 ft (KB)

Total Depth: 3361.00 ft (KB) (TVD)

1814.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8789 Inside**

Press @ Run Depth: psig @ 3265.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.03

End Date:

2013.11.04

Last Calib.:

2013.11.04

Start Time: 22:08:02

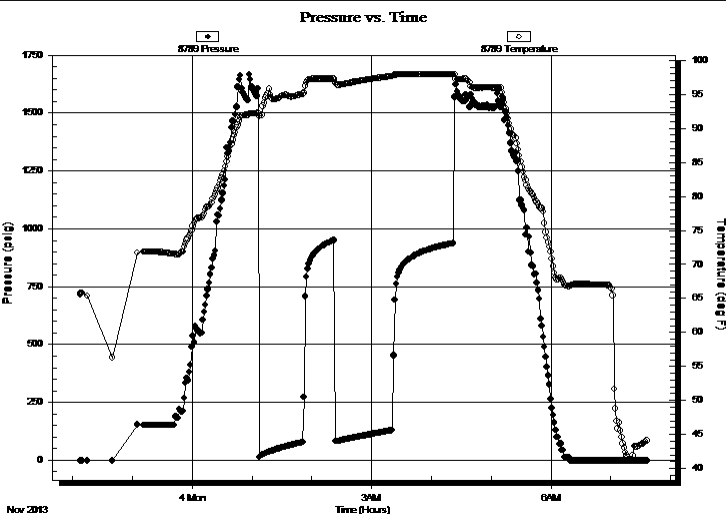
End Time:

07:36:45

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 45-IFP- Surface Blow Building to 10"  
30-ISIP- No Blow  
60-FFP- Surface Blow Building to 7"  
60-FSIP- No Blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	OMCW 5%o 40%m 55%w	0.22
154.00	WMCO 20%w 35%m 45%o	1.13
45.00	OCM 25%o 75%m	0.33
25.00	CO 100%	0.18

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas Corp

**14 13s 14w Russell, KS**

PO Box 837  
Russell KS 67665-0837

**Saline Breaks #3**

Job Ticket: 55780

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2013.11.03 @ 22:08:00

## Tool Information

Drill Pipe:	Length: 2803.00 ft	Diameter: 3.80 inches	Volume: 39.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 466.00 ft	Diameter: 2.75 inches	Volume: 3.42 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 42.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3264.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	3288.00 ft			
Interval between Packers:	24.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3244.00	
Shut In Tool	5.00			3249.00	
Hydraulic tool	5.00			3254.00	
Packer	5.00			3259.00	21.00 Bottom Of Top Packer
Packer	5.00			3264.00	
Stubb	1.00			3265.00	
Recorder	0.00	8789	Inside	3265.00	
Recorder	0.00	8289	Outside	3265.00	
Perforations	19.00			3284.00	
Blank Off Sub	1.00			3285.00	
Blank Spacing	3.00			3288.00	24.00 Tool Interval
Packer	1.00			3289.00	
Perforations	3.00			3292.00	
Change Over Sub	1.00			3293.00	
Recorder	0.00	6668	Below	3293.00	
Blank Spacing	63.00			3356.00	
Change Over Sub	1.00			3357.00	
Bullnose	3.00			3360.00	72.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>117.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp

**14 13s 14w Russell,KS**

PO Box 837  
Russell KS 67665-0837

**Saline Breaks #3**

Job Ticket: 55780

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2013.11.03 @ 22:08:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15500 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	OMCW 5%o 40%m 55%w	0.220
154.00	WMCO 20%w 35%m 45%o	1.131
45.00	OCM 25%o 75%m	0.331
25.00	CO 100%	0.184

Total Length: 254.00 ft

Total Volume: 1.866 bbl

Num Fluid Samples: 0

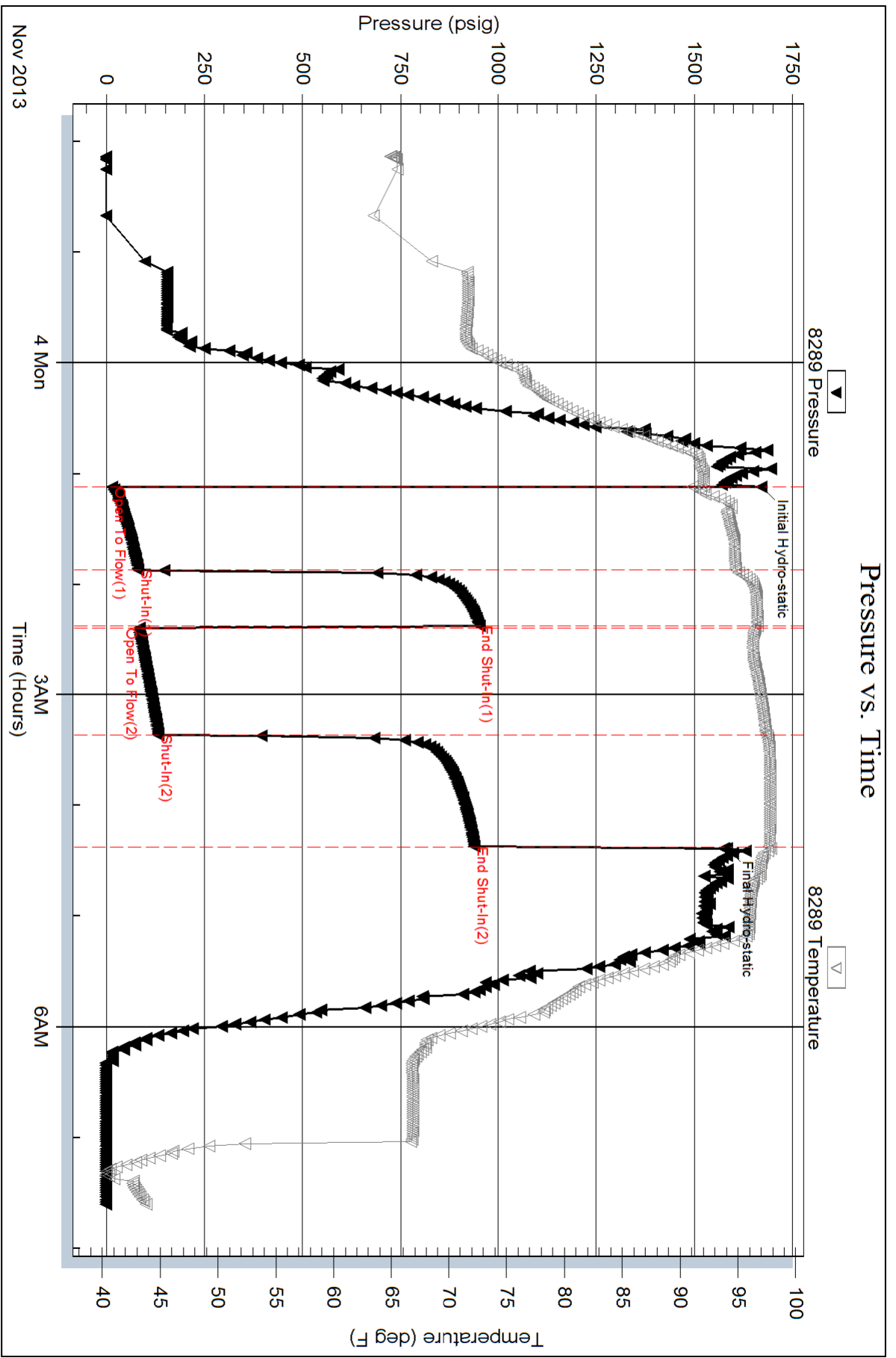
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .682 @ 43



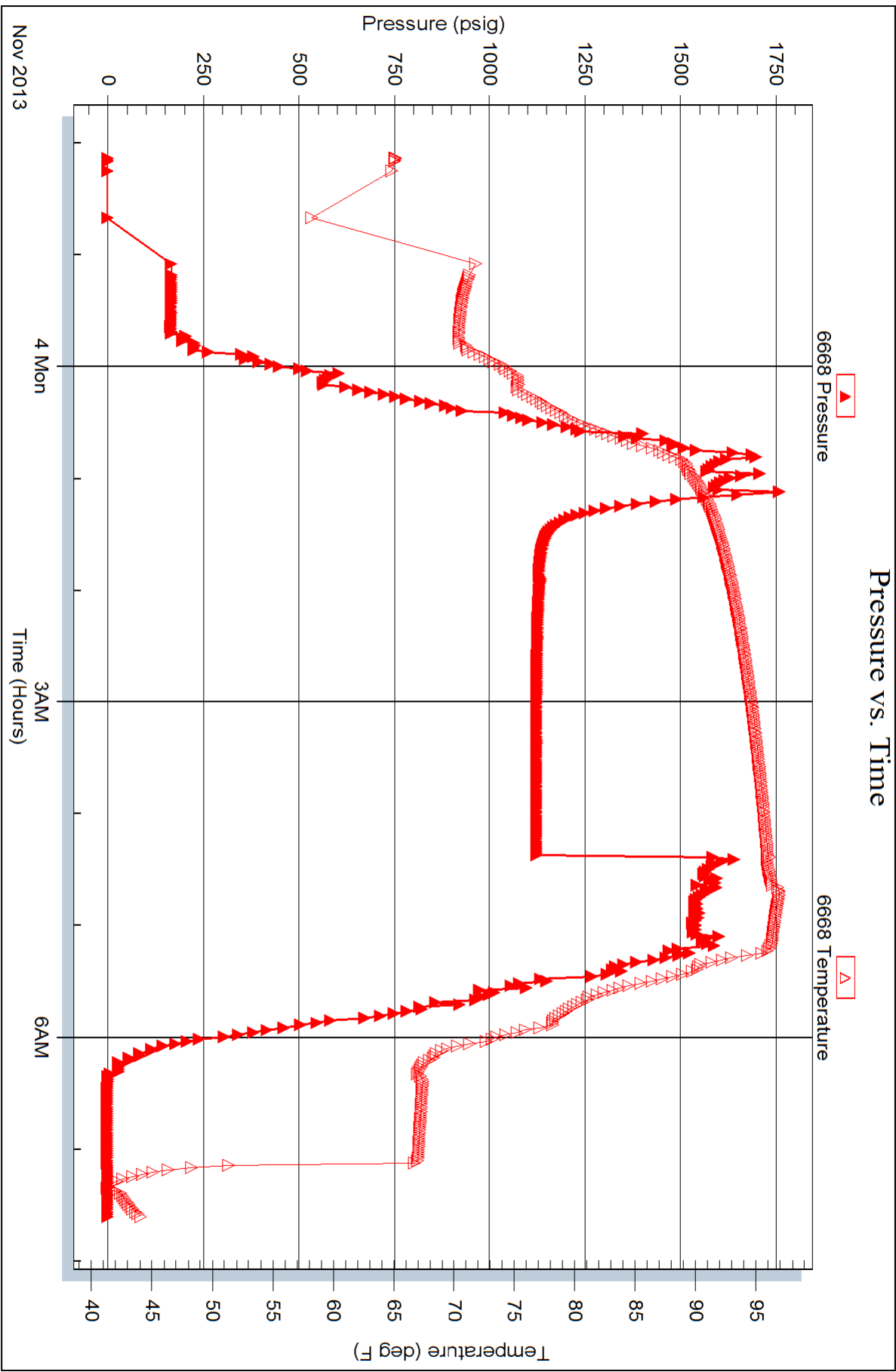


Serial #: 6668

Below (Strat) Spect Oil & Gas Corp

Saline Breaks #3

DST Test Number: 2



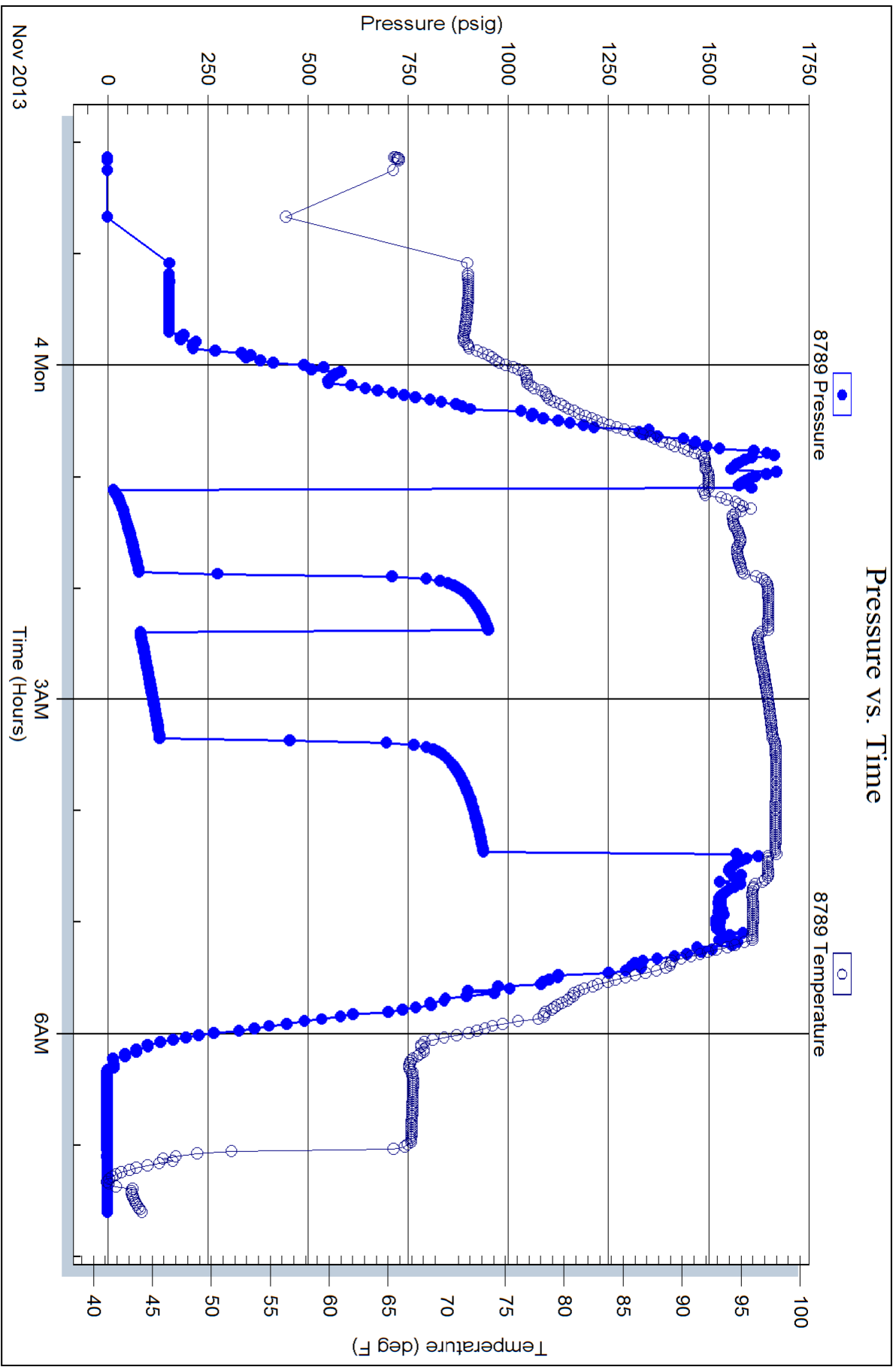
Serial #: 8789

Inside

Prospect Oil & Gas Corp

Saline Breaks #3

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55779

Well Name & No. Saline Breaks #3 Test No. 1 Date 11-2-13  
 Company Prospect Oil & Gas Corp Elevation 1818 KB 1814 GL  
 Address P.O. Box 837 Russell KS 67665-0837  
 Co. Rep / Geo. Brad Hutchison Rig Sheilds  
 Location: Sec. 14 Twp. 13 S Rge. 14 W Co. Russell State KS

Interval Tested 3235-3294 Zone Tested Arbuckle  
 Anchor Length 59 Drill Pipe Run 2772 Mud Wt. 9.1  
 Top Packer Depth 3230 Drill Collars Run 0 Vis 46  
 Bottom Packer Depth 3235 Wt. Pipe Run 466 WL 7.2  
 Total Depth 3294 Chlorides 3900 ppm System LCM TR

Blow Description IFP - BOB in 2min.  
ISIP - No Blow  
FFP - BOB in 4min.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>466</u>	<u>0mcw</u>	<u>5</u>	<u>75</u>	<u>20</u>	
<u>248</u>	<u>0mcw</u>	<u>20</u>	<u>45</u>	<u>35</u>	
<u>62</u>	<u>Oil Speck Mud.</u>			<u>100</u>	
<u>19</u>	<u>0wcm</u>	<u>15</u>	<u>35</u>	<u>50</u>	
<u>1</u>	<u>mwco</u>	<u>80</u>	<u>10</u>	<u>10</u>	

Rec Total 796 BHT 100 Gravity API RW.553 @ 53 °F Chlorides 15000 ppm

(A) Initial Hydrostatic 1655  Test 1150 T-On Location 00:10  
 (B) First Initial Flow 98  Jars T-Started 01:38  
 (C) First Final Flow 279  Safety Joint T-Open 06:20  
 (D) Initial Shut-In 847  Circ Sub T-Pulled 08:20  
 (E) Second Initial Flow 293  Hourly Standby T-Out 11:21  
 (F) Second Final Flow 379  Mileage 56 RT 86.80  
 (G) Final Shut-In 815  Sampler  
 (H) Final Hydrostatic 1584  Straddle  Ruined Shale Packer

Initial Open 30  Shale Packer  Ruined Packer  
 Initial Shut-In 30  Extra Packer  Extra Copies  
 Final Flow 30  Extra Recorder Sub Total 0  
 Final Shut-In 30  Day Standby Total 1236.80  
 Accessibility MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55780

Well Name & No. Saline Breaks #3 Test No. 2 Date 11-3-13  
 Company Prospect Oil & Gas Corp. Elevation 1818 KB 1814 GL  
 Address P.O. Box 837 Russell KS. 67665-0837  
 Co. Rep / Geo. Brad Hutchison Rig Sheilds  
 Location: Sec. 14 Twp. 13<sup>s</sup> Rge. 14<sup>w</sup> Co. Russell State KS

Interval Tested 3264-3288 Zone Tested Archbuckle  
 Anchor Length 24 (73TP) Drill Pipe Run 2803 Mud Wt. 9.2  
 Top Packer Depth 3264 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 3288 Wt. Pipe Run 466 WL 7.8  
 Total Depth 3360 (TD Log) Chlorides 4200 ppm System LCM TR

Blow Description IFP - Surface Blow Building to 10 in.  
FSIP - No Blow  
FFP - Surface Blow Building to 7 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>0m CW</u>	<u>5</u>	<u>55</u>	<u>40</u>	
<u>154</u>	<u>WmCO</u>	<u>45</u>	<u>20</u>	<u>35</u>	
<u>45</u>	<u>OCM</u>	<u>25</u>		<u>75</u>	
<u>25</u>	<u>CO</u>	<u>100</u>			

Rec Total 254 BHT 97 Gravity 25 API RW 182 @ 43 °F Chlorides 15500 ppm  
 Test 1150 T-On Location 21:25  
 Jars \_\_\_\_\_ T-Started 22:08  
 Safety Joint \_\_\_\_\_ T-Open 01:07  
 Circ Sub \_\_\_\_\_ T-Pulled 04:22  
 Hourly Standby \_\_\_\_\_ T-Out 07:37  
 Mileage 86.80 Comments \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1836.80  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1836.80

Initial Open 45  
 Initial Shut-In 30  
 Final Flow 60  
 Final Shut-In 60

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 10/29/2013  
 Invoice # 7895

P.O.#:

Due Date: 11/28/2013

Division: Russell

# Invoice

**Contact:**

Prospect Oil & Gas Corp  
**Address/Job Location:**  
 Prospect Oil & Gas Corp  
 P.O. Box 837  
 Russell Ks 67665

**Reference:**

SALINE BROOKS 3

**Description of Work:**

SURFACE JOB

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	150	\$ 2,514.71	Yes				
Bulk Truck Matl-Material Service Charge	158	\$ 353.18	No				
Calcium Chloride	5	\$ 266.34	Yes				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				
Pump Truck Mileage-Job to Nearest Camp	3	\$ 33.46	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	3	\$ 19.58	No				

*pd*

**Invoice Terms:**

Net 30

SubTotal: \$ 4,262.39

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (639.36)

SubTotal for Taxable Items: \$ 2,410.28

SubTotal for Non-Taxable Items: \$ 1,212.75

Total: \$ 3,623.03

Tax: \$ 196.44

8.15% Russell County Sales Tax

**Amount Due: \$ 3,819.47**

**Applied Payments:**

**Balance Due: \$ 3,819.47**

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 11/4/2013  
 Invoice # 7003

P.O.#:  
 Due Date: 12/4/2013  
 Division: Russell

# Invoice

**Contact:**  
 Prospect Oil & Gas Corp  
**Address/Job Location:**  
 Prospect Oil & Gas Corp  
 P.O. Box 837  
 Russell Ks 67665

**Reference:**  
 SALINE BREAKS 3

**Description of Work:**  
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No	Baffle Plate Aluminum, 8 5/8"	1	\$100.59	Yes
Common-Class A	180	\$ 3,017.65	Yes	KCL	2	\$66.75	Yes
Cement Port Collar, 5 1/2"	1	\$ 2,794.12	Yes	Pump Truck Mileage-Job to Nearest Camp	3	\$33.46	No
Gilsonite	900	\$ 1,508.82	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	3	\$19.58	No
5 1/2" Basket	2	\$ 768.94	Yes				
5 1/2" Turbolizer	9	\$ 583.41	Yes				
Bulk Truck Matl-Material Service Charge	204	\$ 456.00	No				
Mud Clear	500	\$ 413.53	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 342.00	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 250.35	Yes				
Salt (Fine)	15	\$ 234.04	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 11,609.78  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,741.47)

SubTotal for Taxable Items: \$ 8,568.16  
 SubTotal for Non-Taxable Items: \$ 1,300.15

Total: \$ 9,868.31  
 Tax: \$ 698.31

8.15% Russell County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 10,566.62**  
**Applied Payments:**  
**Balance Due: \$ 10,566.62**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.

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