



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1210662  
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: \_\_\_\_\_

1210662

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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# 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. 4563

Date	10-30-10	Sec.	28	Twp.	14	Range	15	County	Russell	State	KS	On Location		Finish	2:30 PM
Lease	Leas-Ball		Well No.	2		Location Gorham 1E 5S 1/2 E S into									
Contractor	Discovery #2							Owner							
Type Job	Rotary Plug							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	7 7/8		T.D.	3230'											
Csg.	4 1/2 x-hole		Depth	890'											
Tbg. Size			Depth	340'											
Tool			Depth	40'											
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace	Cement Amount Ordered 160 6/40 4 gel 1/4 lb Flo											

### EQUIPMENT

Pumptrk	9	No.	Cementer	Brandon	Common	96
			Helper			
Bulktrk	10	No.	Driver	Steve	Poz. Mix	64
			Driver			
Bulktrk	14	No.	Driver	Doug	Gel.	6
			Driver			

### JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 40#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Mix 25sx @ 890'	Sand
Mix 80sx @ 340'	Handling 166
Mix 10sx @ 40'	Mileage

### FLOAT EQUIPMENT

30sx Rh	Guide Shoe
15sx Mh	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Thank you's

1-8 5/8 dy hole plug

Pumptrk Charge plug

Mileage 13

X Signature *June White*

Tax

Discount

Total Charge



# 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. 4361

Date	10-25-10	Sec. 28	Twp. 14	Range 15	County Russell	State Kansas	On Location	Finish 6:45pm
Lease	Leas-Ball	Well No.	1	Location	Gorham 4S 1/2E S1/4			
Contractor	Discovery Drilling Rig 2			Owner	To Quality Oilwell Cementing, Inc.			
Type Job	Surface			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	12 1/4	T.D.	224	Charge To	Respect Oil & Gas			
Csg.	8 5/8	2316	Depth 223	Street				
Tbg. Size				City	State			
Tool				The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	10-15'		Shoe Joint	Cement Amount Ordered 150 Com 3600 28600				
Meas Line	Displace 134 Bbl							

**EQUIPMENT**

Pumptrk	9	No.	Cementer	Stew	Common	150
			Helper			
Bulktrk	8	No.	Driver	Paul	Poz. Mix	
			Driver			
Bulktrk		No.	Driver	Brian	Gel.	3
			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
	Sand
Cement did Circulate	Handling 158
	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	SWAGE
Pumptrk Charge	Surface
Mileage	13

X Signature	James White	Tax	
		Discount	
		Total Charge	





## DRILL STEM TEST REPORT

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

P O Box 837  
Russell KS 67665

ATTN: Brad Hutchison

**28-14-15 Russell,KS**

**Leas-Ball #1**

Start Date: 2010.10.29 @ 01:21:27

End Date: 2010.10.29 @ 07:04:21

Job Ticket #: 40870                      DST #: 1

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

Printed: 2014.06.17 @ 10:00:54



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

ATTN: Brad Hutchison

Job Ticket: 40870

**DST#: 1**

Test Start: 2010.10.29 @ 01:21:27

## GENERAL INFORMATION:

Formation: **LKC A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:42:22

Time Test Ended: 07:04:21

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

**Interval: 3015.00 ft (KB) To 3090.00 ft (KB) (TVD)**

Reference Elevations: 1814.00 ft (KB)

Total Depth: 3090.00 ft (KB) (TVD)

1806.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press@RunDepth: 52.38 psig @ 3023.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.29 End Date: 2010.10.29

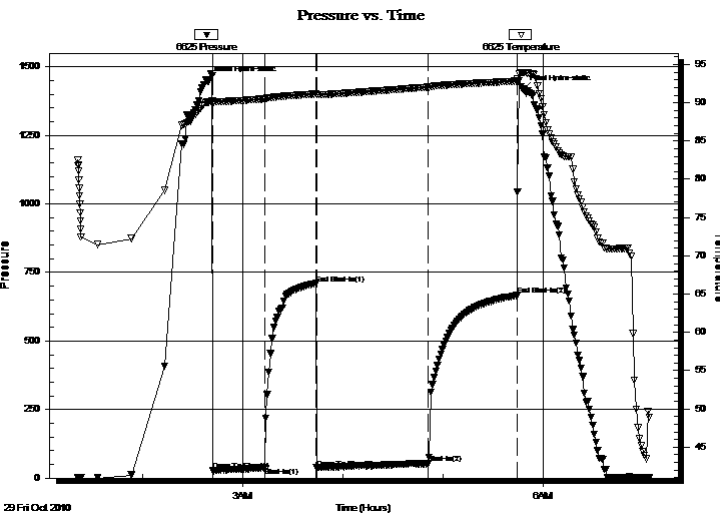
Last Calib.: 2010.10.29

Start Time: 01:21:27 End Time: 07:04:21

Time On Btm: 2010.10.29 @ 02:39:22

Time Off Btm: 2010.10.29 @ 05:48:21

TEST COMMENT: IFP-w k bl 1/2"to 3"bl  
ISIP- no bl bk  
FFP-w k bl 1/4"bl  
FSIP-no bl bk



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1448.61	90.09	Initial Hydro-static
3	27.78	90.03	Open To Flow (1)
34	38.82	90.51	Shut-In(1)
65	709.70	91.16	End Shut-In(1)
65	37.24	91.03	Open To Flow (2)
132	52.38	92.04	Shut-In(2)
185	666.72	92.84	End Shut-In(2)
189	1417.88	93.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	GCM 10%G90%Mw /show of oil	0.91

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

Job Ticket: 40870

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2010.10.29 @ 01:21:27

## Tool Information

Drill Pipe:	Length: 3014.00 ft	Diameter: 3.80 inches	Volume: 42.28 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 42.28 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3015.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	96.00 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			2995.00	
Shut In Tool	5.00			3000.00	
Hydraulic tool	5.00			3005.00	
Packer	5.00			3010.00	21.00 Bottom Of Top Packer
Packer	5.00			3015.00	
Stubb	1.00			3016.00	
Perforations	7.00			3023.00	
Recorder	0.00	6625	Inside	3023.00	
Recorder	0.00	8652	Outside	3023.00	
Blank Spacing	64.00			3087.00	
Bullnose	3.00			3090.00	75.00 Bottom Packers & Anchor

**Total Tool Length: 96.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

Job Ticket: 40870

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2010.10.29 @ 01:21:27

## 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	GCM 10%G90%M w/show of oil	0.912

Total Length: 65.00 ft      Total Volume: 0.912 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

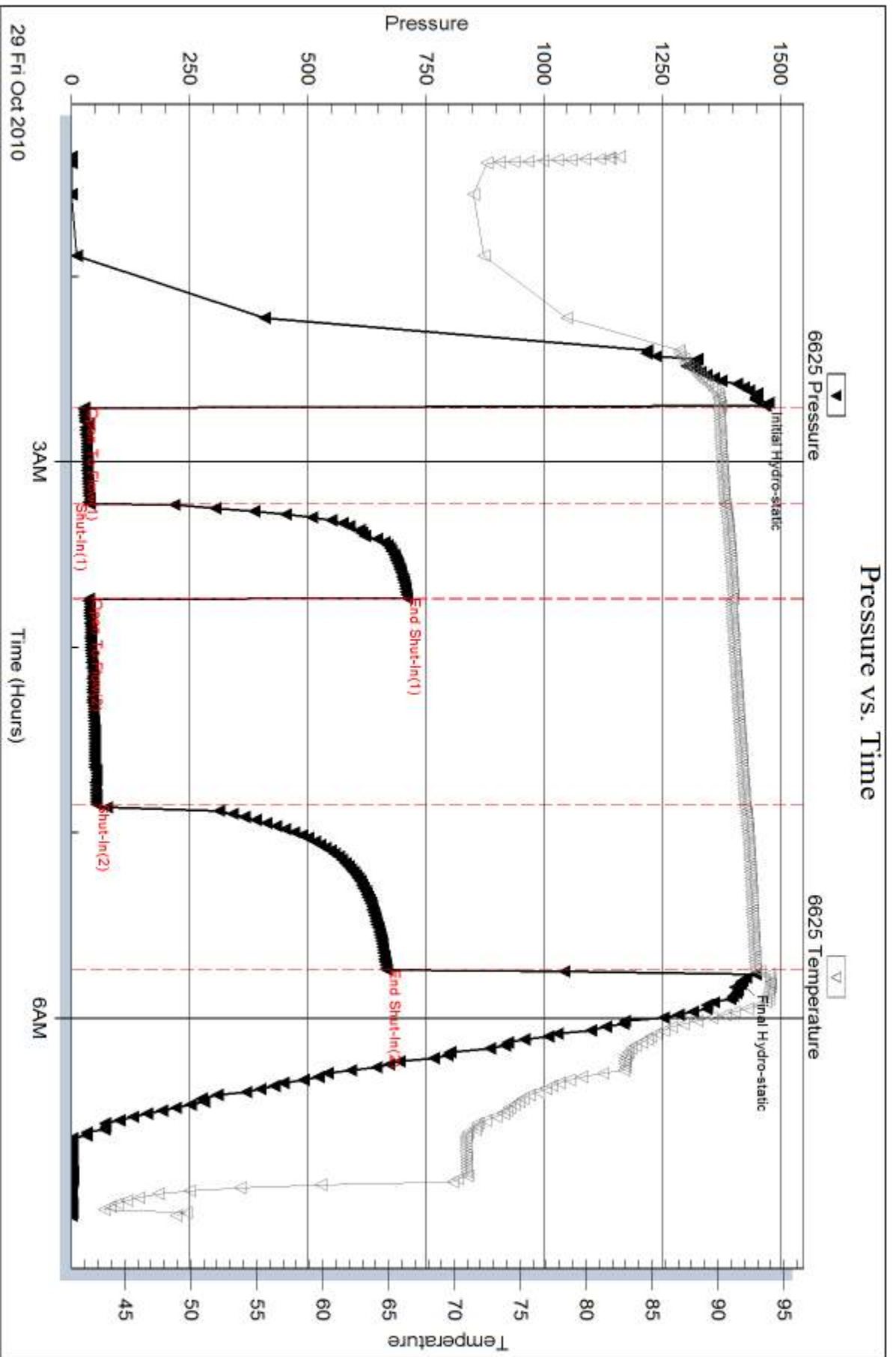
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





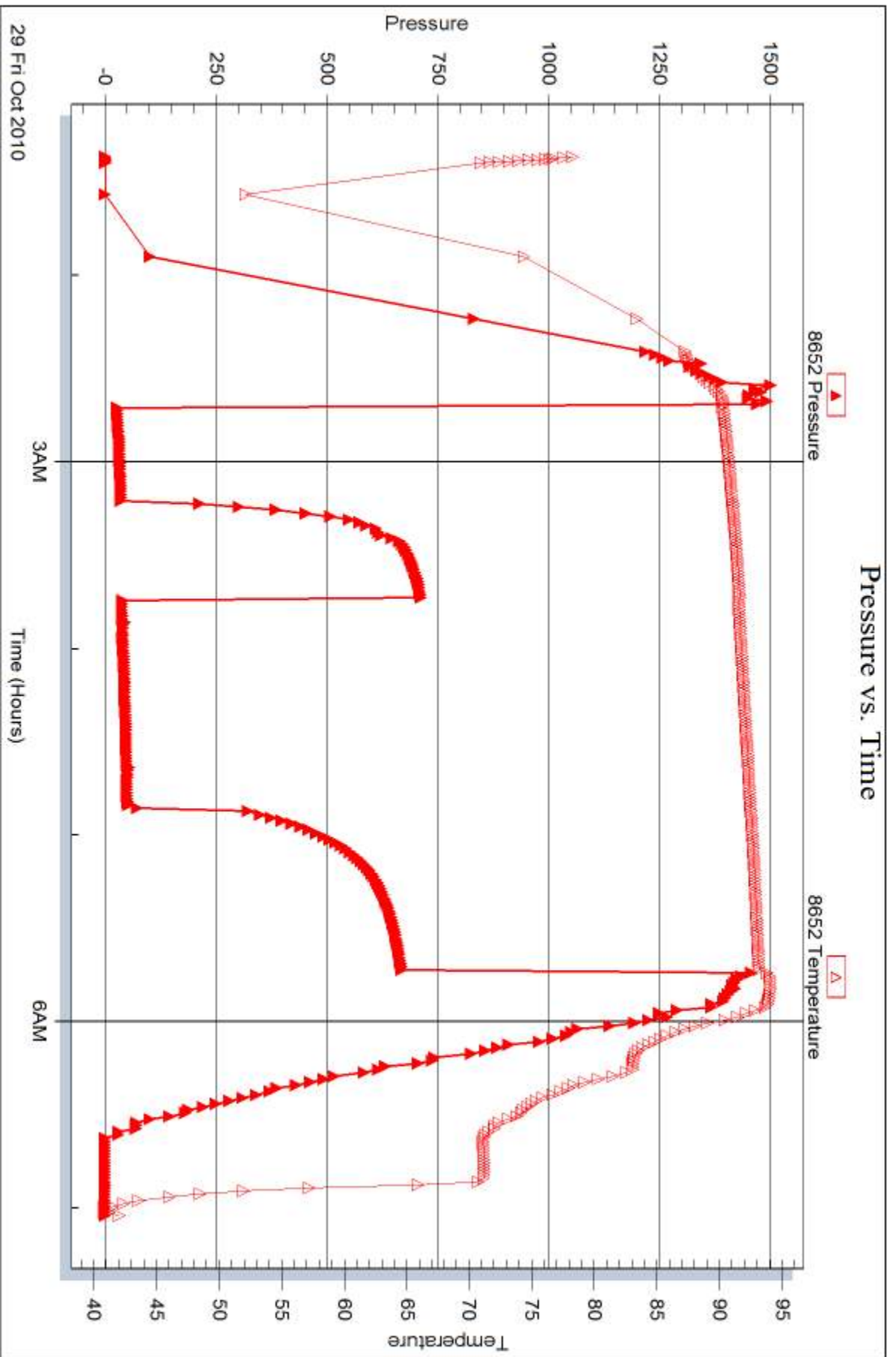


Serial #: 8652

Outside Prospect Oil & Gas Corp

28-14-15 Russell, KS

DST Test Number: 1







## DRILL STEM TEST REPORT

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

P O Box 837  
Russell KS 67665

ATTN: Brad Hutchison

**28-14-15 Russell,KS**

**Leas-Ball #1**

Start Date: 2010.10.29 @ 12:52:35

End Date: 2010.10.29 @ 16:48:30

Job Ticket #: 40871                      DST #: 2

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

Printed: 2014.06.17 @ 10:00:29





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

ATTN: Brad Hutchison

Job Ticket: 40871

**DST#: 2**

Test Start: 2010.10.29 @ 12:52:35

## GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:30:30

Time Test Ended: 16:48:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3090.00 ft (KB) To 3125.00 ft (KB) (TVD)**

Reference Elevations: 1814.00 ft (KB)

Total Depth: 3125.00 ft (KB) (TVD)

1806.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press@RunDepth: 18.17 psig @ 3097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.29 End Date: 2010.10.29

Last Calib.: 2010.10.29

Start Time: 12:52:35 End Time: 16:48:30

Time On Btm: 2010.10.29 @ 14:27:30

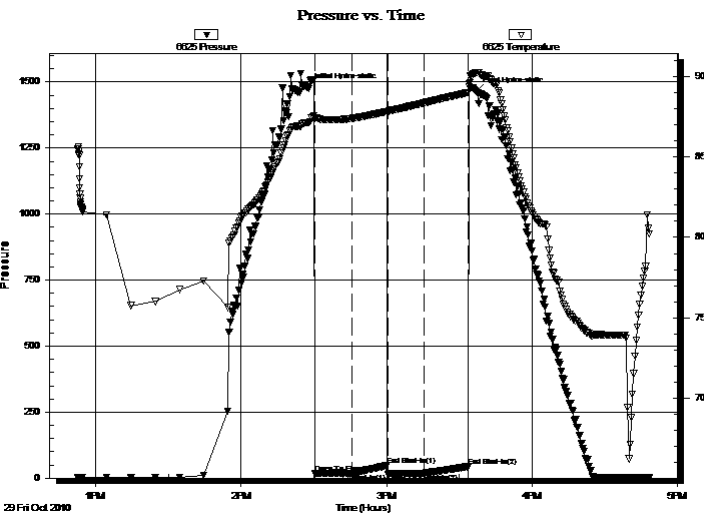
Time Off Btm: 2010.10.29 @ 15:37:00

TEST COMMENT: IFP-w k bl surface to 1/4"bl

ISIP-no bl

FFP-1/4"bl

FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1478.04	87.11	Initial Hydro-static
3	16.89	87.41	Open To Flow (1)
18	17.63	87.38	Shut-In(1)
33	47.40	87.81	End Shut-In(1)
33	14.11	87.82	Open To Flow (2)
48	18.17	88.35	Shut-In(2)
66	43.09	88.99	End Shut-In(2)
70	1462.73	90.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM5%O95%M	0.07

\* 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

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

Job Ticket: 40871

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2010.10.29 @ 12:52:35

## Tool Information

Drill Pipe:	Length: 3079.00 ft	Diameter: 3.80 inches	Volume: 43.19 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3090.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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			3070.00	
Shut In Tool	5.00			3075.00	
Hydraulic tool	5.00			3080.00	
Packer	5.00			3085.00	21.00 Bottom Of Top Packer
Packer	5.00			3090.00	
Stubb	1.00			3091.00	
Perforations	6.00			3097.00	
Recorder	0.00	6625	Inside	3097.00	
Recorder	0.00	8652	Outside	3097.00	
Perforations	25.00			3122.00	
Bullnose	3.00			3125.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

Job Ticket: 40871

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2010.10.29 @ 12:52:35

## 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM5%O95%M	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



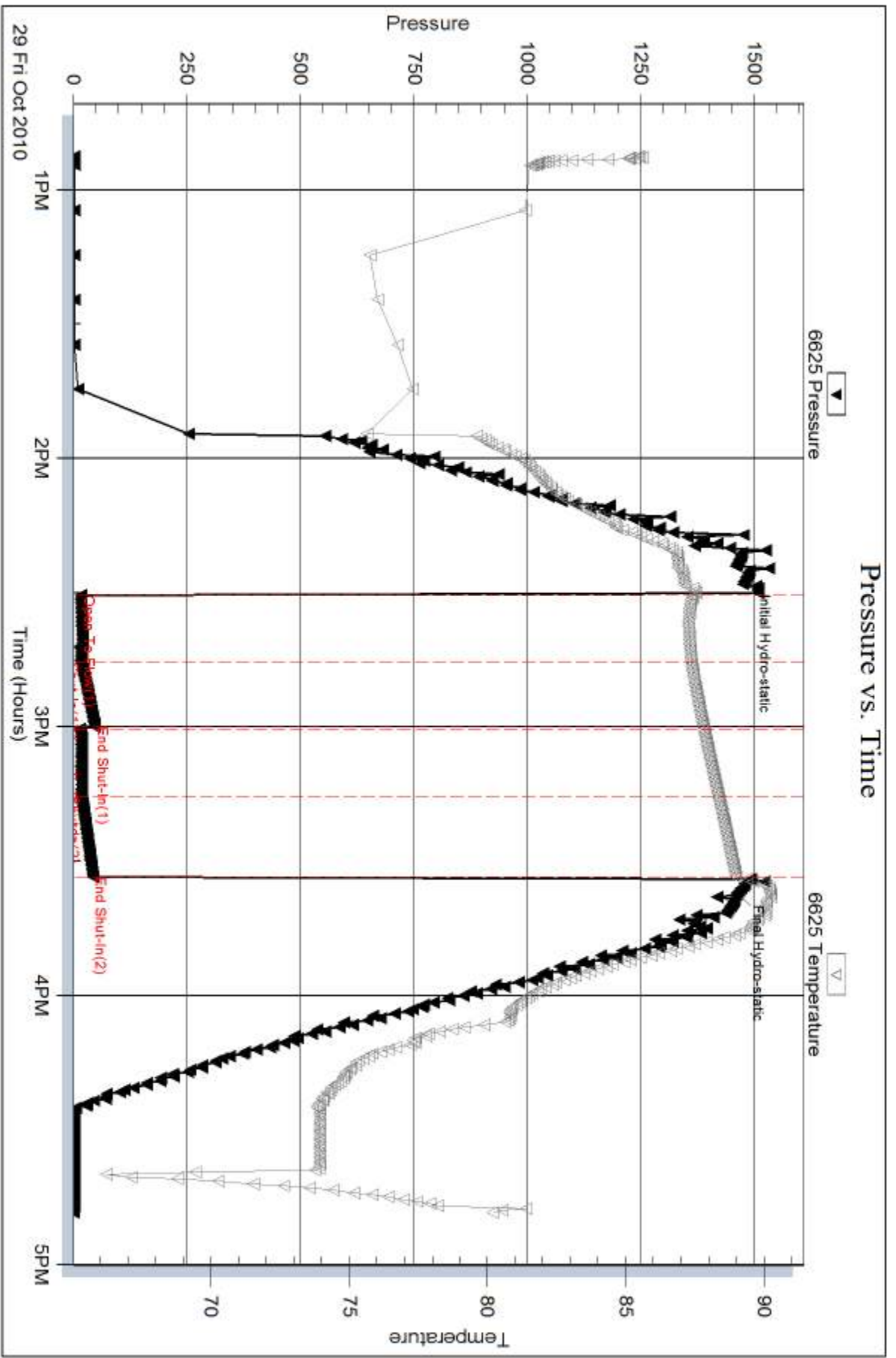
Serial #: 6625

Inside

Prospect Oil & Gas Corp

28-14-15 Russell, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 40871

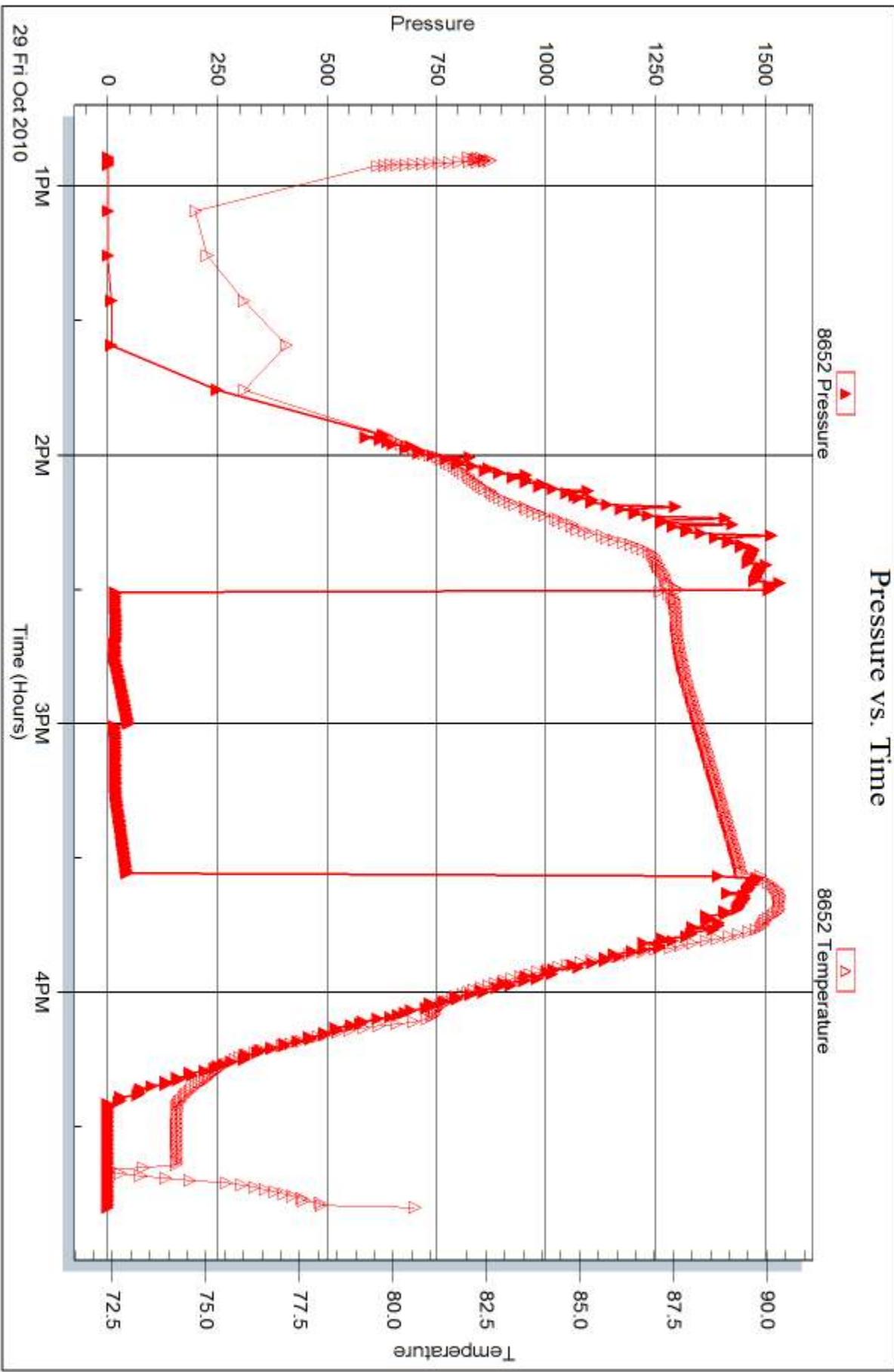
Printed: 2014.06.17 @ 10:00:30

Serial #: 8652

Outside Prospect Oil & Gas Corp

28-14-15 Russell, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 40871

Printed: 2014.06.17 @ 10:00:30





## DRILL STEM TEST REPORT

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

P O Box 837  
Russell KS 67665

ATTN: Brad Hutchison

**28-14-15 Russell,KS**

**Leas-Ball #1**

Start Date: 2010.10.30 @ 02:41:10

End Date: 2010.10.30 @ 07:42:04

Job Ticket #: 40872                      DST #: 3

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

Printed: 2014.06.17 @ 09:59:34



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

ATTN: Brad Hutchison

Job Ticket: 40872

**DST#: 3**

Test Start: 2010.10.30 @ 02:41:10

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:05

Time Test Ended: 07:42:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3160.00 ft (KB) To 3230.00 ft (KB) (TVD)**

Reference Elevations: 1814.00 ft (KB)

Total Depth: 3230.00 ft (KB) (TVD)

1806.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press@RunDepth: 20.77 psig @ 3164.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.30 End Date: 2010.10.30

Last Calib.: 2010.10.30

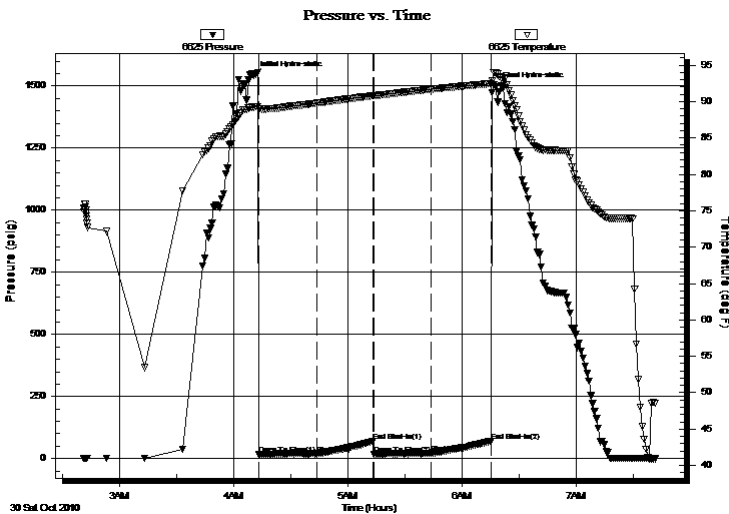
Start Time: 02:41:10 End Time: 07:42:04

Time On Btm: 2010.10.30 @ 04:10:35

Time Off Btm: 2010.10.30 @ 06:17:35

TEST COMMENT: IFP-w k bl surface to 1/4"bl  
ISIP-no bl  
FFP-w k bl 2"to 2 1/2"bl  
FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.20	89.25	Initial Hydro-static
3	16.55	89.05	Open To Flow (1)
33	18.69	89.78	Shut-In(1)
63	70.13	90.79	End Shut-In(1)
63	18.57	90.79	Open To Flow (2)
93	20.77	91.68	Shut-In(2)
125	70.23	92.45	End Shut-In(2)
127	1496.71	93.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	45'GIP	0.00
15.00	SOCM 5%O95%M	0.21

## Gas Rates

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

\* Recovery from multiple tests







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**TOOL DIAGRAM**

Prospect Oil & Gas Corp

**Leas-Ball #1**

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ATTN: Brad Hutchison

Test Start: 2010.10.30 @ 02:41:10

## Tool Information

Drill Pipe:	Length: 3170.00 ft	Diameter: 3.80 inches	Volume: 44.47 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 44.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3160.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	91.00 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			3140.00	
Shut In Tool	5.00			3145.00	
Hydraulic tool	5.00			3150.00	
Packer	5.00			3155.00	21.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Perforations	3.00			3164.00	
Recorder	0.00	6625	Inside	3164.00	
Recorder	0.00	8652	Outside	3164.00	
Blank Spacing	63.00			3227.00	
Bullnose	3.00			3230.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 91.00**





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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Prospect Oil & Gas Corp

**Leas-Ball #1**

P O Box 837  
Russell KS 67665

**28-14-15 Russell,KS**

Job Ticket: 40872

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2010.10.30 @ 02:41:10

### 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	45'GIP	0.000
15.00	SOCM 5%O95%M	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

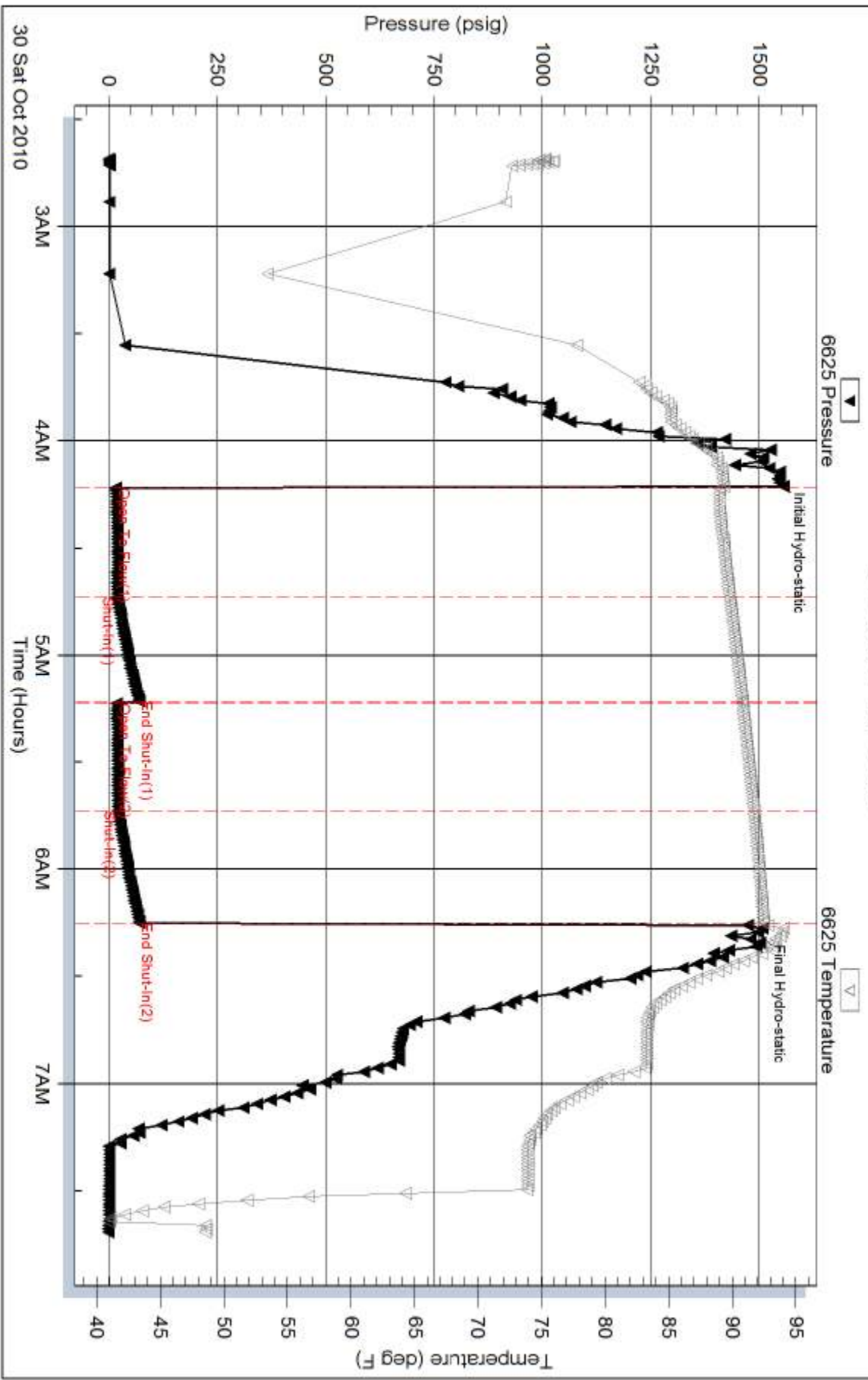
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





Serial #: 8652

Outside Prospect Oil & Gas Corp

28-14-15 Russell, KS

DST Test Number: 3

