



KANSAS CORPORATION COMMISSION 1117977  
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 # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

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



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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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<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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	Becker D-1
Doc ID	1117977

Tops

Name	Top	Datum
Anhydrite	1106	+ 832
Topeka	2791	- 859
Heebner	3028	- 1090
Toronto	3049	- 1110
Lansing	3069	- 1131
Base Kansas City	1386	- 1386
Conglomerate	3398	- 1460
Arbuckle	3411	- 1473



**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: 7/4/2012  
 Invoice # 4614

P.O.#:

Due Date: 8/3/2012

Division: *Russell*

# Invoice

**Contact:**

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

**Reference:**

BECKER D 1

**Description of Work:**

PLUG JOB

*pd*

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,734.93	Yes				
Common-Class A	147	\$ 1,947.12	Yes				
Bulk Truck Matl-Material Service Charge	254	\$ 551.54	Yes				
POZ Mix-Standard	98	\$ 489.44	Yes				
Pump Truck Mileage-Job to Nearest Camp	22	\$ 238.38	Yes				
Premium Gel (Bentonite)	9	\$ 159.08	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	22	\$ 139.49	Yes				
Dry Hole Plug	1	\$ 60.80	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 5,320.78

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (798.12)

SubTotal for Taxable Items: \$ 4,522.66

SubTotal for Non-Taxable Items: \$ -

Total: \$ 4,522.66

Tax: \$ 284.93

**Amount Due: \$ 4,807.59**

**Applied Payments:**

**Balance Due: \$ 4,807.59**

6.30% Rooks County Sales Tax

**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: 6/27/2012  
 Invoice # 450

P.O.#:

Due Date: 7/27/2012

Division: Russell

# Invoice

**Contact:**

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

**Reference:**

BECKER D-1

**Description of Work:**

SURFACE JOB

*pd 7/25/12 ck#4172*

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	150	\$ 1,986.86	Yes				
Pump Truck Mileage-Job to Nearest Camp	33	\$ 357.57	No				
Bulk Truck Matl-Material Service Charge	158	\$ 343.09	No				
Calcium Chloride	5	\$ 258.73	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	33	\$ 209.24	No				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 4,199.89

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (629.98)

SubTotal for Taxable Items: \$ 1,953.82

SubTotal for Non-Taxable Items: \$ 1,616.09

Total: \$ 3,569.91

Tax: \$ 123.09

6.30% Rooks County Sales Tax

**Amount Due: \$ 3,693.00**

**Applied Payments:**

**Balance Due: \$ 3,693.00**

**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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## DRILL STEM TEST REPORT

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

PO Box 837  
Russell KS 67665

ATTN: Brad Hutchison

### **Becker D-1**

#### **3-10s-16w Rooks,KS**

Start Date: 2012.06.26 @ 11:10:00

End Date: 2012.06.26 @ 16:01:00

Job Ticket #: 49261                      DST #: 1

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

Printed: 2012.07.11 @ 13:59:22



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49261

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2012.06.26 @ 11:10:00

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:03:30

Time Test Ended: 16:01:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson/Tate

Unit No: 59

**Interval: 3025.00 ft (KB) To 3060.00 ft (KB) (TVD)**

Reference Elevations: 1938.00 ft (KB)

Total Depth: 3060.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8369 Outside**

Press @ Run Depth: 17.14 psig @ 3057.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.26

End Date:

2012.06.26

Last Calib.:

2012.06.26

Start Time: 11:10:05

End Time:

16:00:59

Time On Btm:

2012.06.26 @ 13:02:30

Time Off Btm:

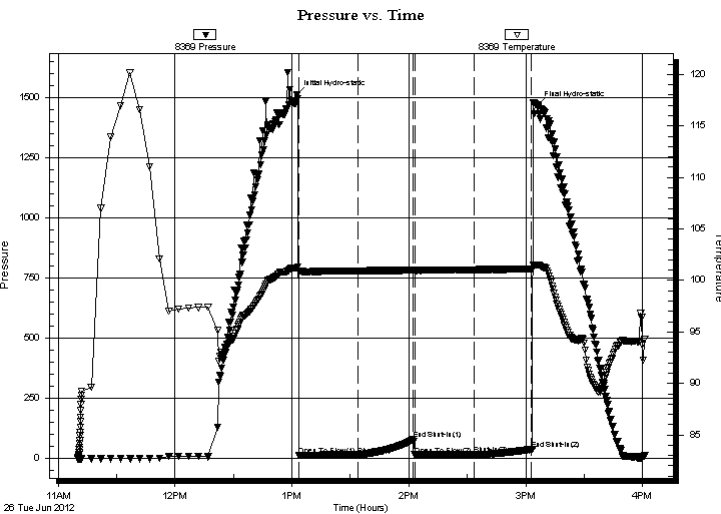
2012.06.26 @ 15:06:00

**TEST COMMENT:** IFP-Weak Surface Blow Died in 2 mins

ISI-No Blow Back

FFP-Dead No Blow

FSI-No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1511.83	101.24	Initial Hydro-static
1	14.21	100.88	Open To Flow (1)
32	16.37	100.94	Shut-In(1)
60	79.48	101.00	End Shut-In(1)
61	15.77	100.99	Open To Flow (2)
91	17.14	101.04	Shut-In(2)
121	38.80	101.10	End Shut-In(2)
124	1465.28	101.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	V SOCM 2%O 98%M	0.04

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49261

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2012.06.26 @ 11:10:00

## Tool Information

Drill Pipe:	Length: 2558.00 ft	Diameter: 3.80 inches	Volume: 35.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 467.00 ft	Diameter: 2.70 inches	Volume: 3.31 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: 50000.00 lb
			<u>Total Volume: 39.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3025.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			3006.00	
Shut In Tool	5.00			3011.00	
Hydraulic tool	5.00			3016.00	
Packer	4.00			3020.00	20.00 Bottom Of Top Packer
Packer	5.00			3025.00	
Stubb	1.00			3026.00	
Perforations	31.00			3057.00	
Recorder	0.00	8319	Inside	3057.00	
Recorder	0.00	8369	Outside	3057.00	
Bullnose	3.00			3060.00	35.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>55.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49261

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2012.06.26 @ 11:10:00

## 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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 2%O 98%M	0.035

Total Length: 5.00 ft      Total Volume: 0.035 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

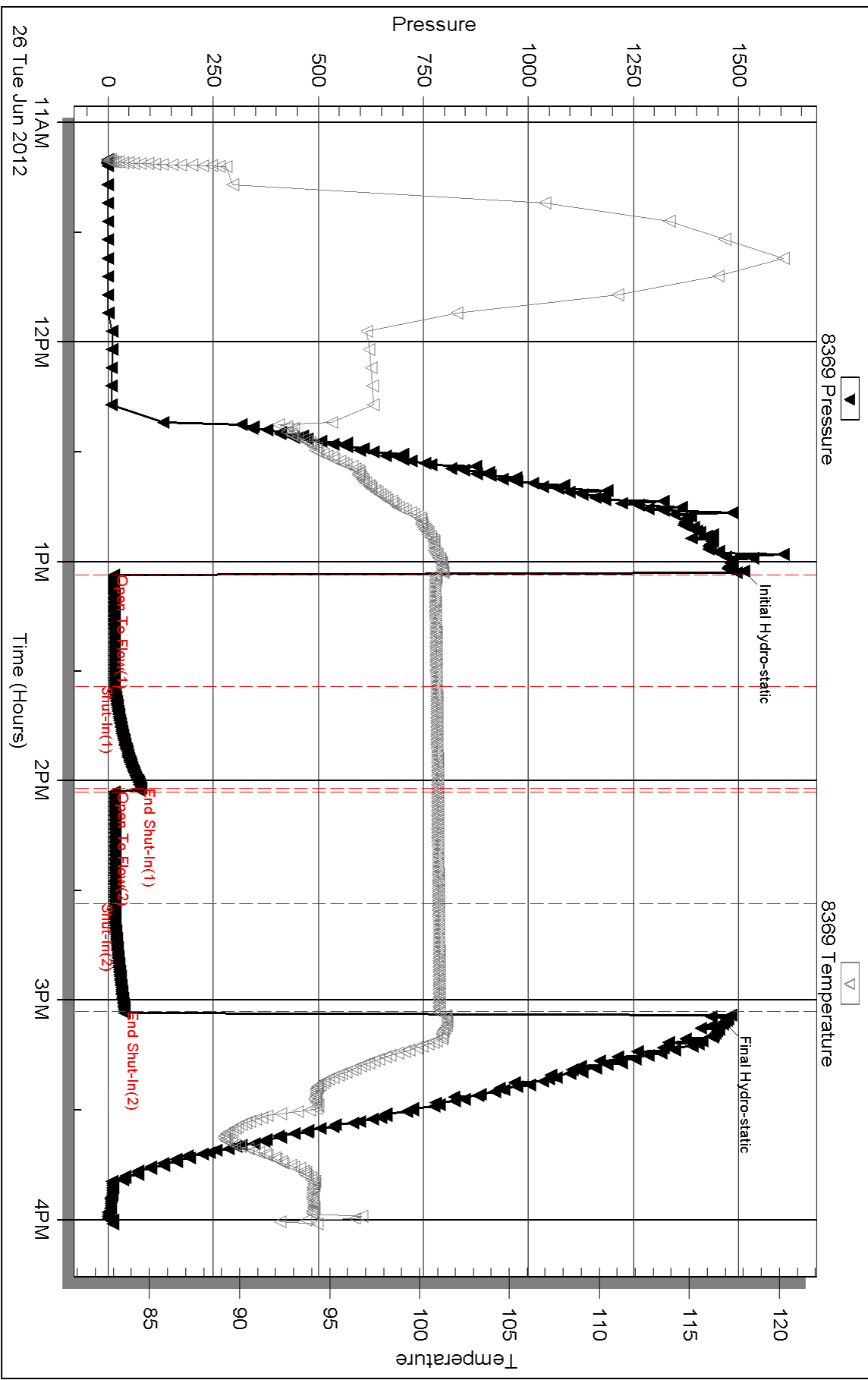
Serial #: 8369

Outside Prospect Oil & Gas INC

Becker D-1

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49261

Printed: 2012.07.11 @ 13:59:24

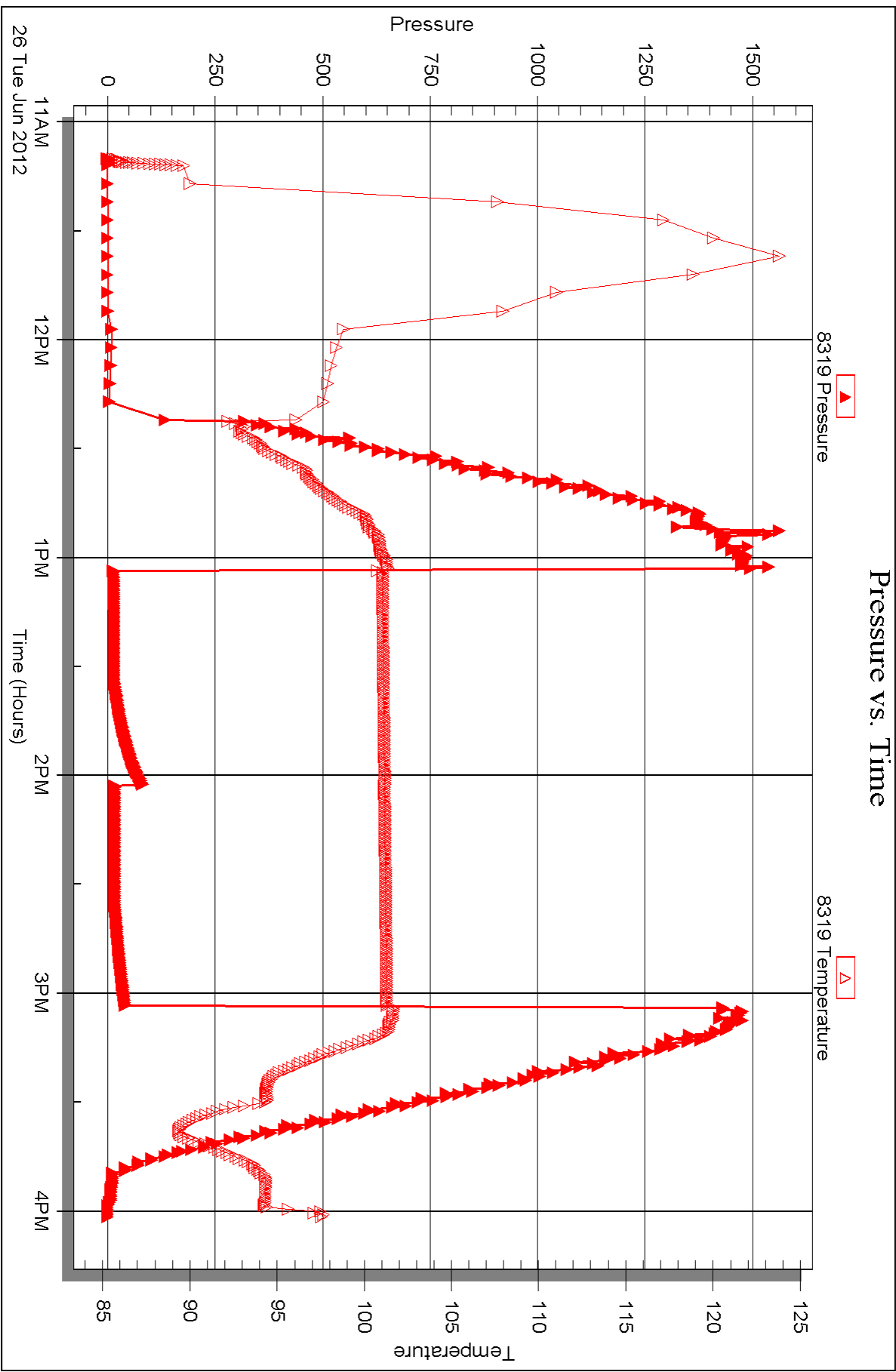
Serial #: 8319

Inside

Prospect Oil & Gas INC

Becker D-1

DST Test Number: 1





## DRILL STEM TEST REPORT

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

PO Box 837  
Russell KS 67665

ATTN: Brad Hutchison

### **Becker D-1**

#### **3-10s-16w Rooks,KS**

Start Date: 2012.06.27 @ 00:04:46

End Date: 2012.06.27 @ 06:39:46

Job Ticket #: 49262                      DST #: 2

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

Printed: 2012.07.11 @ 13:58:41



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49262

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 00:04:46

## GENERAL INFORMATION:

Formation: **LCK-A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:46

Time Test Ended: 06:39:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 59

**Interval: 3060.00 ft (KB) To 3140.00 ft (KB) (TVD)**

Reference Elevations: 1938.00 ft (KB)

Total Depth: 3140.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8319**

**Inside**

Press @ Run Depth: 62.54 psig @ 3137.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.27

End Date:

2012.06.27

Last Calib.: 2012.06.27

Start Time: 00:04:51

End Time:

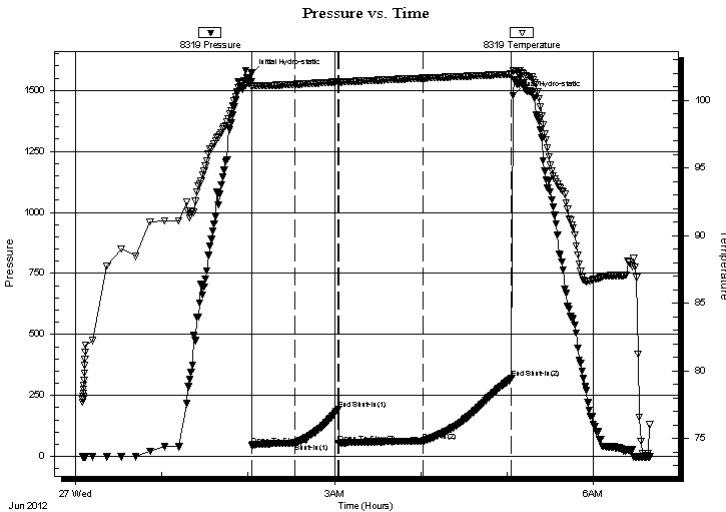
06:39:45

Time On Btm: 2012.06.27 @ 02:02:16

Time Off Btm: 2012.06.27 @ 05:04:16

**TEST COMMENT:** IF-2" Blow  
ISI-No Blow Back  
FF-6" Blow  
FSI-No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.08	101.36	Initial Hydro-static
1	46.68	101.02	Open To Flow (1)
30	55.32	101.17	Shut-In(1)
60	192.15	101.37	End Shut-In(1)
61	53.53	101.33	Open To Flow (2)
120	62.54	101.63	Shut-In(2)
181	319.71	101.93	End Shut-In(2)
182	1478.42	102.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	GSYOCM 25%G 15%O 60%M	0.28
0.00	155' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49262

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 00:04:46

## Tool Information

Drill Pipe:	Length: 2586.00 ft	Diameter: 3.80 inches	Volume: 36.27 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 467.00 ft	Diameter: 2.70 inches	Volume: 3.31 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:	52000.00 lb
			<u>Total Volume: 39.58 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3060.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	100.00 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			3041.00	
Shut In Tool	5.00			3046.00	
Hydraulic tool	5.00			3051.00	
Packer	4.00			3055.00	20.00 Bottom Of Top Packer
Packer	5.00			3060.00	
Stubb	1.00			3061.00	
Perforations	2.00			3063.00	
Change Over Sub	1.00			3064.00	
Drill Pipe	62.00			3126.00	
Change Over Sub	1.00			3127.00	
Perforations	10.00			3137.00	
Recorder	0.00	8319	Inside	3137.00	
Recorder	0.00	8369	Outside	3137.00	
Bullnose	3.00			3140.00	80.00 Bottom Packers & Anchor

**Total Tool Length: 100.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49262

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 00:04:46

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	GSYOCM 25%G 15%O 60%M	0.283
0.00	155' GIP	0.000

Total Length: 40.00 ft      Total Volume: 0.283 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

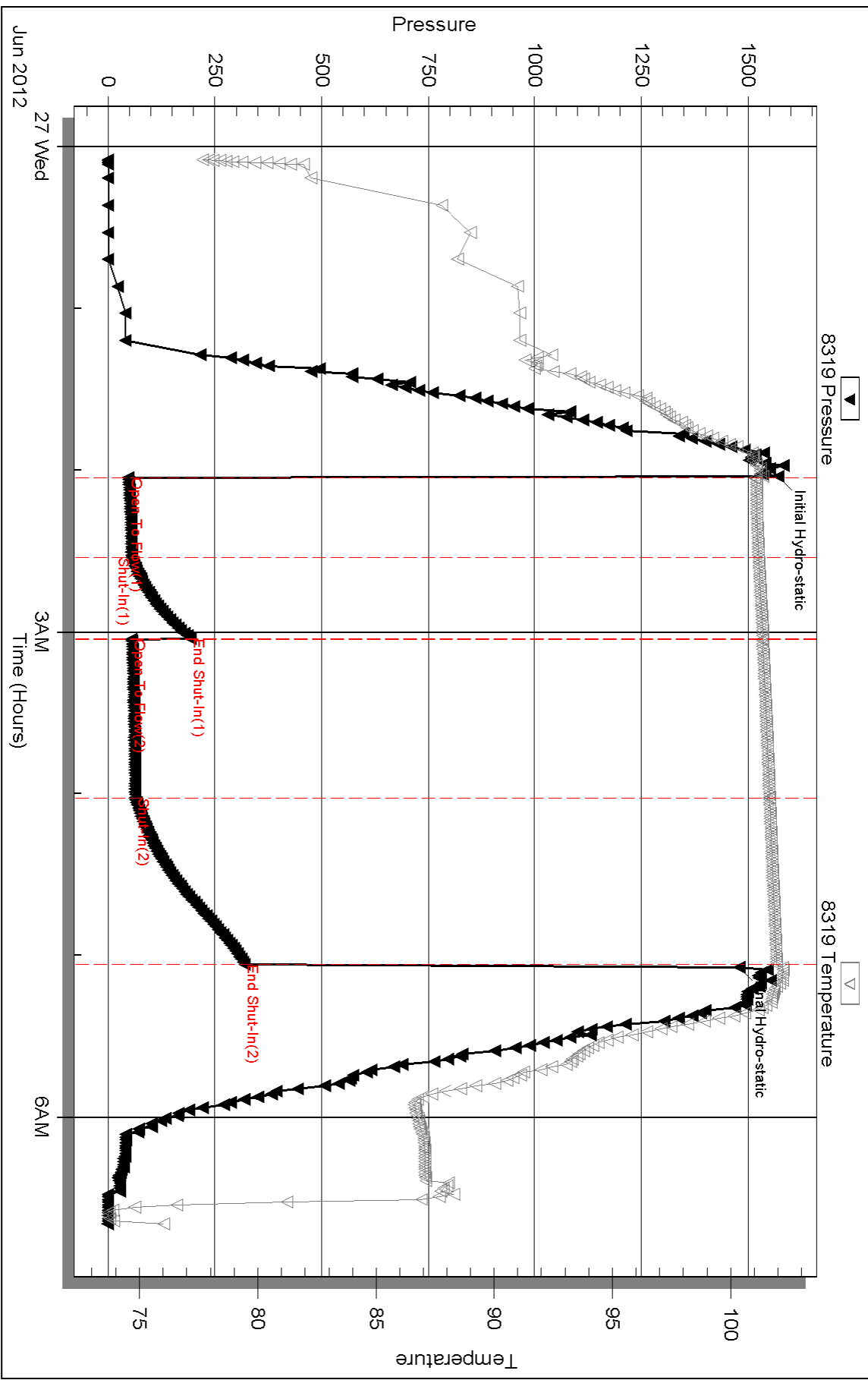
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

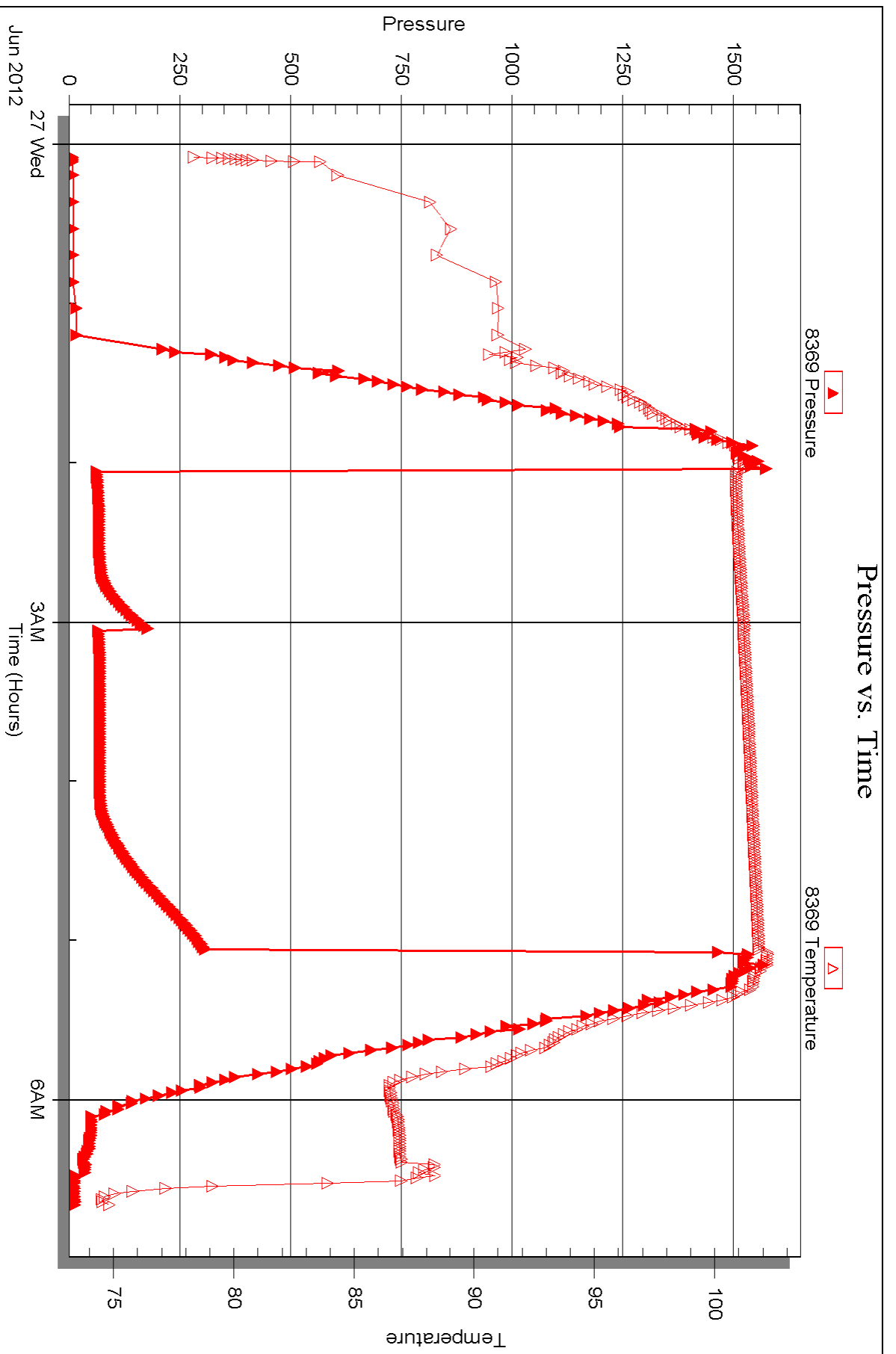


Serial #: 8369

Outside Prospect Oil & Gas INC

Becker D-1

DST Test Number: 2





## DRILL STEM TEST REPORT

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

PO Box 837  
Russell KS 67665

ATTN: Brad Hutchison

### **Becker D-1**

#### **3-10s-16w Rooks,KS**

Start Date: 2012.06.27 @ 14:30:25

End Date: 2012.06.27 @ 18:58:25

Job Ticket #: 49263                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.11 @ 13:57:34



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49263

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 14:30:25

## GENERAL INFORMATION:

Formation: **LCK-F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:55

Time Test Ended: 18:58:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 59

**Interval: 3140.00 ft (KB) To 3190.00 ft (KB) (TVD)**

Reference Elevations: 1938.00 ft (KB)

Total Depth: 3060.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8319**

**Inside**

Press @ Run Depth: 47.58 psig @ 3187.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.27

End Date:

2012.06.27

Last Calib.:

2012.06.27

Start Time: 14:30:30

End Time:

18:58:24

Time On Btm:

2012.06.27 @ 15:43:25

Time Off Btm:

2012.06.27 @ 17:44:55

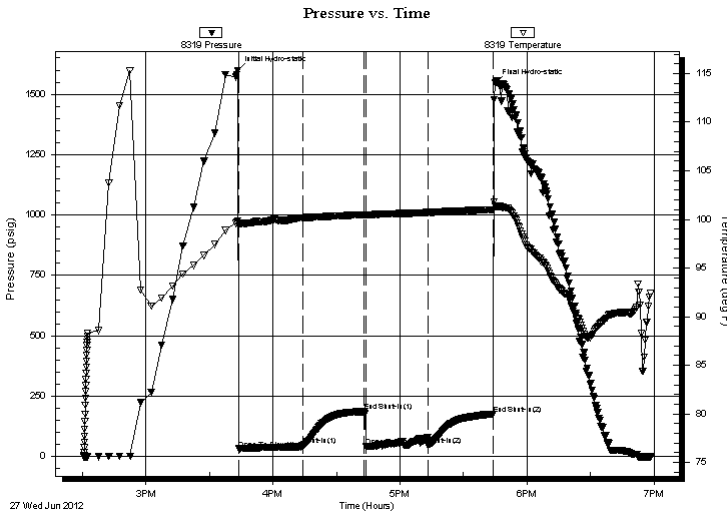
**TEST COMMENT:** IF-1/4" Blow

ISI-No Blow Back

FF-No Blow

FSI-No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.74	99.83	Initial Hydro-static
1	31.67	99.32	Open To Flow (1)
31	45.10	100.18	Shut-In(1)
60	186.26	100.49	End Shut-In(1)
61	42.34	100.47	Open To Flow (2)
90	47.58	100.70	Shut-In(2)
121	176.21	101.01	End Shut-In(2)
122	1545.48	101.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.14

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49263

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 14:30:25

## Tool Information

Drill Pipe:	Length: 2681.00 ft	Diameter: 3.80 inches	Volume: 37.61 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 467.00 ft	Diameter: 2.70 inches	Volume: 3.31 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:	52000.00 lb
			<u>Total Volume: 40.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3140.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	70.00 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			3121.00	
Shut In Tool	5.00			3126.00	
Hydraulic tool	5.00			3131.00	
Packer	4.00			3135.00	20.00 Bottom Of Top Packer
Packer	5.00			3140.00	
Stubb	1.00			3141.00	
Perforations	4.00			3145.00	
Change Over Sub	1.00			3146.00	
drill Pipe	31.00			3177.00	
change Over Sub	1.00			3178.00	
perforations	9.00			3187.00	
Recorder	0.00	8319	Inside	3187.00	
Recorder	0.00	8369	Outside	3187.00	
Bullnose	3.00			3190.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas INC

**3-10s-16w Rooks,KS**

PO Box 837  
Russell KS 67665

**Becker D-1**

Job Ticket: 49263

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2012.06.27 @ 14:30:25

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.142

Total Length: 20.00 ft      Total Volume: 0.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8319

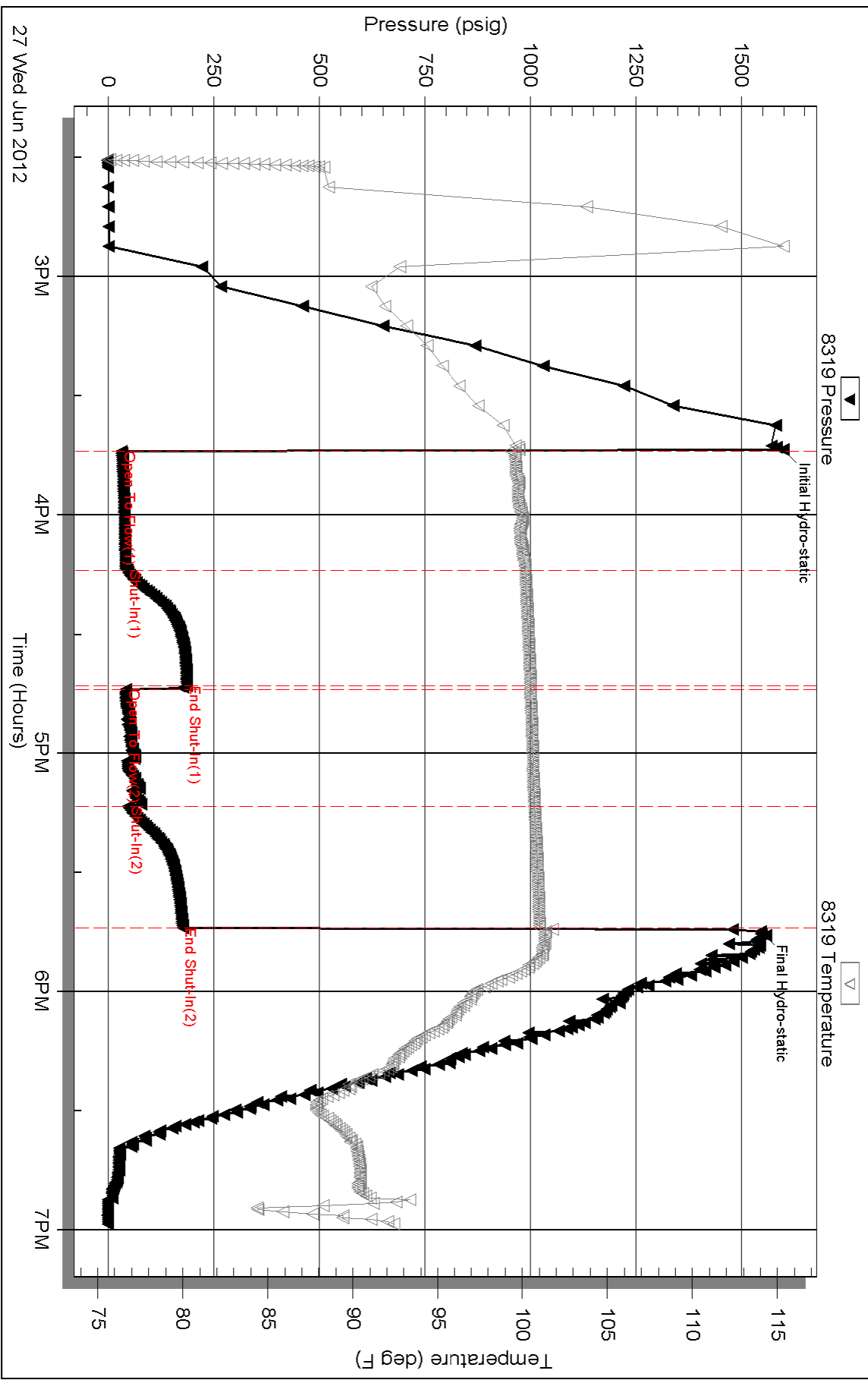
Inside

Prospect Oil & Gas INC

Becker D-1

DST Test Number: 3

# Pressure vs. Time

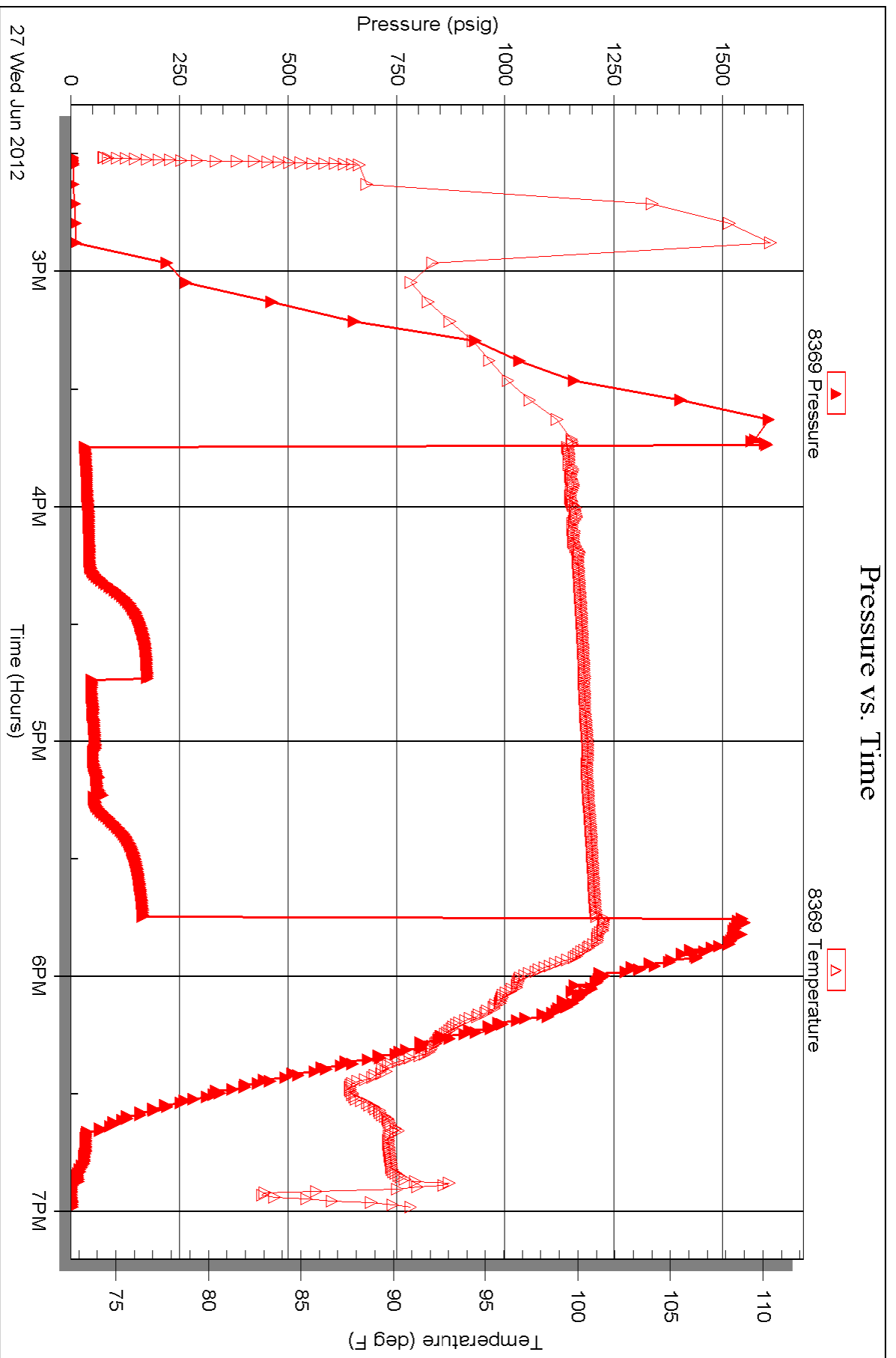


Serial #: 8369

Outside Prospect Oil & Gas INC

Becker D-1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 49263

Printed: 2012.07.11 @ 13:57:36



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49261

Well Name & No. Becker D-1 Test No. 1 Date 6-26-12  
 Company Prospect Oil & Gas, INC Elevation 1938 KB 1933 GL  
 Address PO Box 837 Russell KS 67665  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 3 Twp. 10S Rge. 16W Co. Rooks State KS

Interval Tested 3025-3060 Zone Tested TORONTO  
 Anchor Length 35 Drill Pipe Run 2558 Mud Wt. 9.4  
 Top Packer Depth 3020 Drill Collars Run --- Vis 49  
 Bottom Packer Depth 3025 Wt. Pipe Run 467 WL 9.2  
 Total Depth 3060 Chlorides 3600 ppm System LCM 0  
 Blow Description ZF - Weak surface Blow Dried out in 2mins  
ZSI - Dead No Blow Back  
FF Dead No Blow  
FZI - Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>450cm</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,512  Test 1150 T-On Location 9:50  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 11:10  
 (C) First Final Flow 16  Safety Joint \_\_\_\_\_ T-Open 13:00  
 (D) Initial Shut-In 79  Circ Sub \_\_\_\_\_ T-Pulled 15:00  
 (E) Second Initial Flow 16  Hourly Standby \_\_\_\_\_ T-Out 16:00  
 (F) Second Final Flow 17  Mileage 82 rt 127.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 39  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,465  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

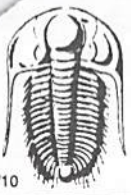
Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Sub Total 1277.10

MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Brad Hutchison

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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49262

Well Name & No. Becker D-1 Test No. 2 Date 6-27-12  
 Company Prospect Oil & Gas, INC Elevation 1938 KB 1933 GL  
 Address PO Box 21 Russell KS 67665  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 3 Twp. 10S Rge. 16W Co. Rooks State KS

Interval Tested 3060-3140 Zone Tested LKC-A-D  
 Anchor Length 80' Drill Pipe Run 2586 Mud Wt. 9.4  
 Top Packer Depth 3055 Drill Collars Run --- Vis 49  
 Bottom Packer Depth 3060 Wt. Pipe Run 467 WL 9.2  
 Total Depth 3140 Chlorides 3600 ppm System LCM 0  
 Blow Description IF-2" Blow  
ISI-No Blow Back  
FF-6" Blow  
FSI-No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>6-sy OCM</u>	<u>25</u>	<u>15</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>61P</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

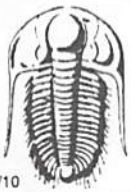
(A) Initial Hydrostatic 1570  Test 1150 T-On Location 23:38  
 (B) First Initial Flow 47  Jars \_\_\_\_\_ T-Started 00:04  
 (C) First Final Flow 55  Safety Joint \_\_\_\_\_ T-Open 02:01  
 (D) Initial Shut-In 192  Circ Sub \_\_\_\_\_ T-Pulled 05:01  
 (E) Second Initial Flow 53  Hourly Standby \_\_\_\_\_ T-Out 06:10  
 (F) Second Final Flow 62  Mileage 82 RT 127.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 320  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1478  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

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

Sub Total 1277.10  
 Total 1277.10  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Tate Long

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49263

Well Name & No. Becker D-1 Test No. 3 Date 6-27-12  
 Company Prospect Oil & Gas INC Elevation 1938 KB 1933 GL  
 Address PO Box 837 Russell KS 67685  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 3 Twp. 10S Rge. 16W Co. Rootes State KS

Interval Tested 3140 - 3190 Zone Tested LKC - F-G  
 Anchor Length 50' Drill Pipe Run ~~2678~~ 2681 Mud Wt. 9.4  
 Top Packer Depth 3135 Drill Collars Run — Vis 53  
 Bottom Packer Depth 3140 Wt. Pipe Run 467 WL 7.6  
 Total Depth 3190 Chlorides 3600 ppm System LCM 0  
 Blow Description IF - 1/4 in Blow  
ISI - No Blow Back  
FF - No Blow  
FST - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1599  Test 1150 T-On Location 14:15  
 (B) First Initial Flow 32  Jars \_\_\_\_\_ T-Started 14:30  
 (C) First Final Flow 45  Safety Joint \_\_\_\_\_ T-Open 15:43  
 (D) Initial Shut-In 186  Circ Sub \_\_\_\_\_ T-Pulled 17:43  
 (E) Second Initial Flow 42  Hourly Standby \_\_\_\_\_ T-Out 18:58  
 (F) Second Final Flow 47  Mileage 82 RTX 2 254.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 176  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1545  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1404.20  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1404.20

Approved By \_\_\_\_\_ Our Representative Tate Lang

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