

**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

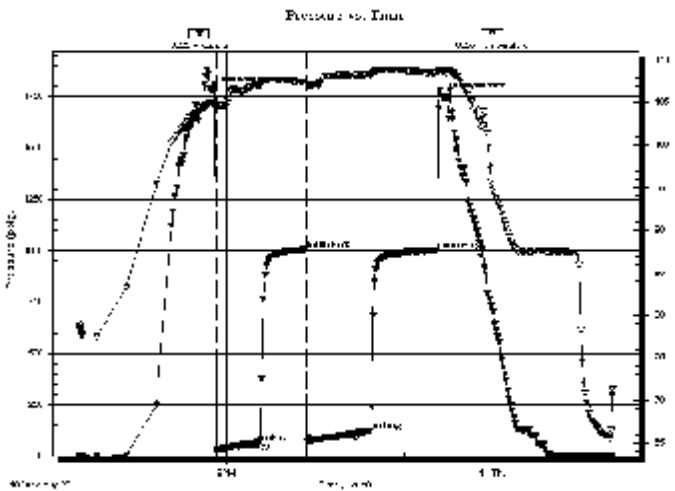
**DeYoung C#2**  
**11-10s-21w Graham,KS**  
 Job Ticket: 43443 **DST#: 1**  
 Test Start: 2011.08.10 @ 19:20:25

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:52:50  
 Time Test Ended: 01:20:18  
 Interval: **3745.00 ft (KB) To 3845.00 ft (KB) (TVD)**  
 Total Depth: 3845.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ray Schwager  
 Unit No: 42  
 Reference Elevations: 2282.00 ft (KB)  
 2277.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6625 Inside**  
 Press @ Run Depth: 125.00 psig @ 3750.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.08.10 End Date: 2011.08.11 Last Calib.: 2011.08.11  
 Start Time: 19:20:25 End Time: 01:20:18 Time On Btm: 2011.08.10 @ 20:49:50  
 Time Off Btm: 2011.08.10 @ 23:25:50

**TEST COMMENT:** 30-IFP-w k to a gd bl 1/2" to 9" bl  
 30-ISIP-no bl  
 45-FFP-w k to a gd bl surface to 8" bl  
 45-FSIP-1/4" bl bk



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.09	104.95	Initial Hydro-static
3	26.98	104.66	Open To Flow (1)
33	68.96	107.06	Shut-In(1)
63	1005.24	107.48	End Shut-In(1)
64	73.58	107.18	Open To Flow (2)
108	125.00	108.31	Shut-In(2)
153	1003.54	108.53	End Shut-In(2)
156	1748.64	108.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	124'GIP	0.00
65.00	CO	0.91
124.00	MGO 10%G25%M65%O	1.74
62.00	HO&GCM 10%G35%O55%M	0.87

## Gas Rates

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



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Total Depth: 3845.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2282.00 ft (KB)

2277.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 8700 Outside

Press @ Run Depth: psig @ 3750.00 ft (KB)

Start Date: 2011.08.10

End Date:

2011.08.11

Start Time: 19:21:25

End Time:

01:19:19

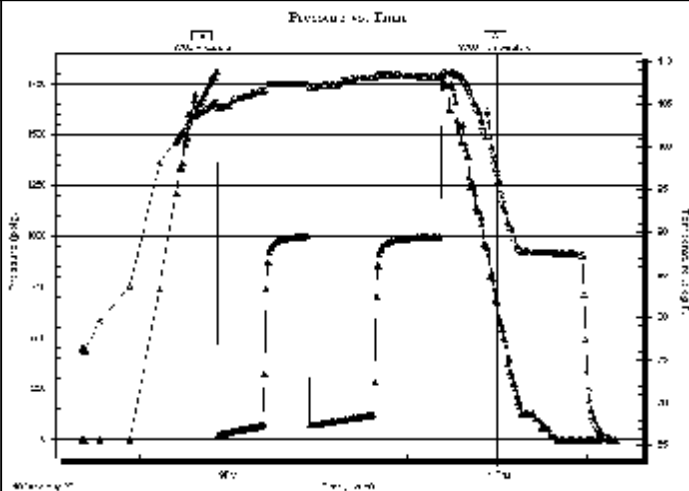
Capacity: 8000.00 psig

Last Calib.: 2011.08.11

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-w k to a gd bl 1/2" to 9" bl  
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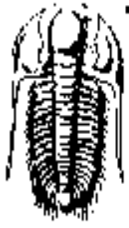
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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### Recovery

Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
65.00	CO	0.91
124.00	MGO 10% G25% M65% O	1.74
62.00	HO&GCM 10% G35% O55% M	0.87

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**DeYoung C#2**  
**11-10s-21w Graham,KS**  
 Job Ticket: 43443      **DST#:1**  
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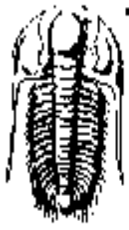
### Tool Information

Drill Pipe:	Length: 3736.00 ft	Diameter: 3.80 inches	Volume: 52.41 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: 60000.00 lb
			<u>Total Volume: 52.41 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3745.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3725.00	
Shut In Tool	5.00			3730.00	
Hydraulic tool	5.00			3735.00	
Packer	5.00			3740.00	21.00      Bottom Of Top Packer
Packer	5.00			3745.00	
Stubb	1.00			3746.00	
Perforations	4.00			3750.00	
Recorder	0.00	6625	Inside	3750.00	
Recorder	0.00	8700	Outside	3750.00	
Blank Spacing	64.00			3814.00	
Perforations	28.00			3842.00	
Bullnose	3.00			3845.00	100.00      Bottom Packers & Anchor

**Total Tool Length: 121.00**



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**FLUID SUMMARY**

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## 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: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.55 cm <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	124'GIP	0.000
65.00	CO	0.912
124.00	MGO 10%G25%M65%O	1.739
62.00	HO&GCM 10%G35%O55%M	0.870

Total Length: 251.00 ft      Total Volume: 3.521 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 6625

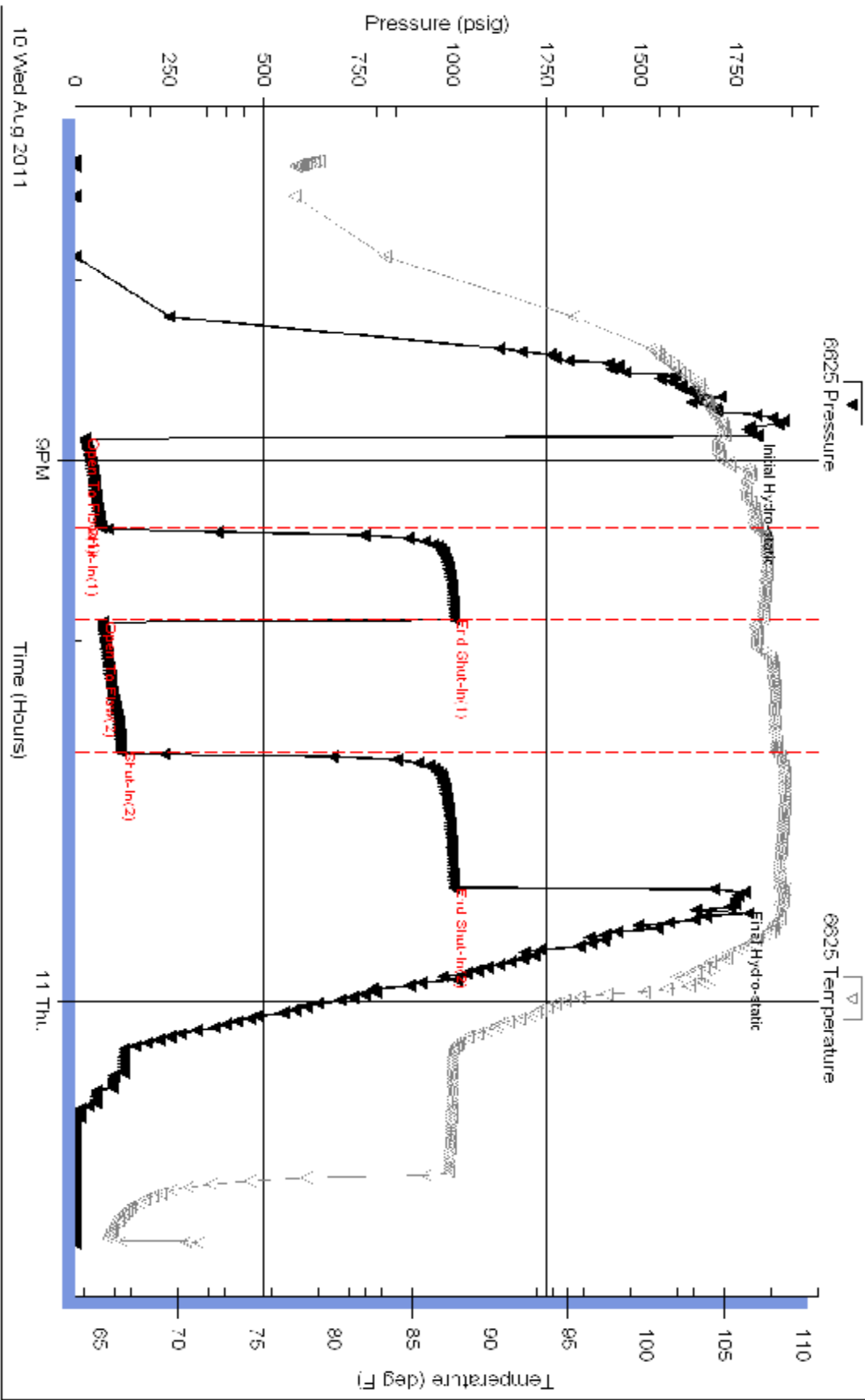
Inside

Prospect Oil & Gas Corp

11-109-21w Gannam,KS

DST Test Number: 1

### Pressure vs. Time



10 Wed Aug 2011

Triolite Testing, Inc

Ref. No. 48443

11 Thu.

Filed: 2012.03.16 @ 17:03:09

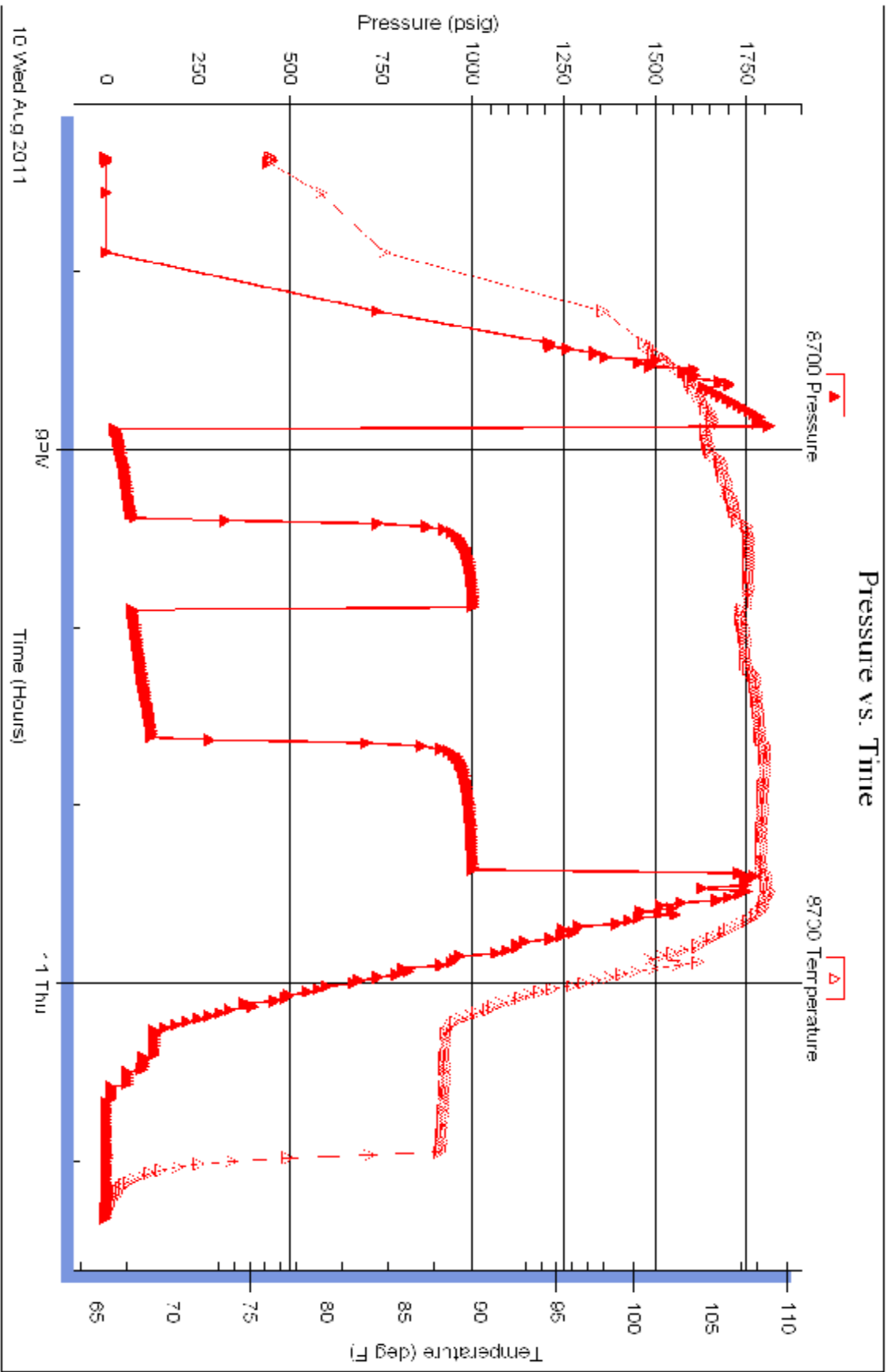
Serial #: 8/1(X)

Outside Prospect Oil & Gas Corp

11-10s-21w Gannam,KS

DST Test Number: 1

### Pressure vs. Time



Triolite Testing, Inc

Ref. No. 48443

Printed: 2012.03.16 @ 17:03:09