

DRILL STEM TEST REPORT

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

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

C Rein A #2

27-14s-13w Russell,KS

Start Date: 2012.11.14 @ 02:09:01

End Date: 2012.11.14 @ 07:44:01

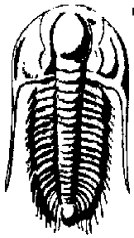
Job Ticket #: 48730 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.20 @ 14:52:28



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prospect Oil & Gas Company

27-14s-13w Russell,KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.11.14 @ 02:09:01

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:05:16

Time Test Ended: 07:44:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3115.00 ft (KB) To 3134.00 ft (KB) (TVD)

Reference Elevations: 1731.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8289 Inside

Press@RunDepth: 338.16 psig @ 3116.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.14

End Date:

2012.11.14

Last Calib.: 2012.11.14

Start Time: 02:09:03

End Time:

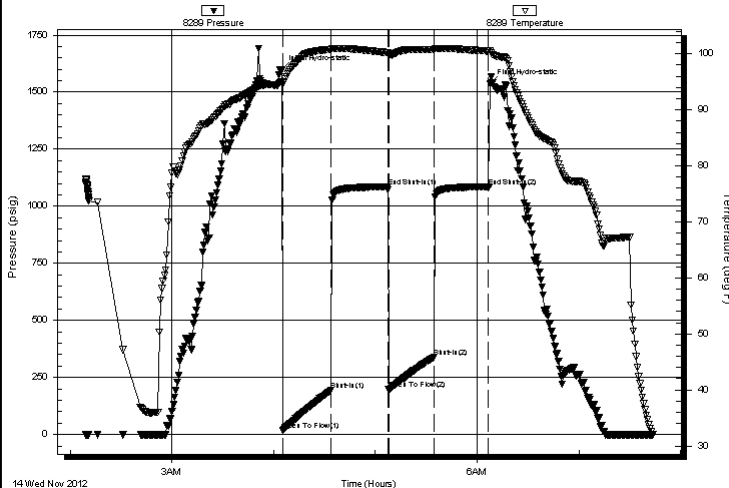
07:44:01

Time On Btm: 2012.11.14 @ 04:04:46

Time Off Btm: 2012.11.14 @ 06:07:31

TEST COMMENT: IFP-Strong, BOB in 5 Min.
ISI-Dead
FFP-Strong, BOB in 7 Min.
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

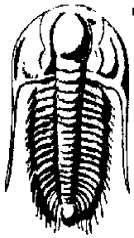
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.58	94.94	Initial Hydro-static
1	20.03	94.49	Open To Flow (1)
29	193.98	100.76	Shut-In (1)
63	1085.16	100.22	End Shut-In (1)
63	196.82	99.89	Open To Flow (2)
90	338.16	100.79	Shut-In (2)
122	1085.04	100.47	End Shut-In (2)
123	1538.17	100.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
745.00	Muddy Water	10.45

Gas Rates

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

Prospect Oil & Gas Company

27-14s-13w Russell,KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

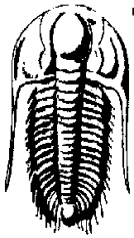
Test Start: 2012.11.14 @ 02:09:01

Tool Information

Drill Pipe:	Length:	3100.00 ft	Diameter:	3.80 inches	Volume:	43.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 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:	34000.00 lb
					Total Volume:	43.48 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight: Initial	30000.00 lb
Depth to Top Packer:		3115.00 ft					Final	33000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		19.00 ft						
Tool Length:		40.00 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			3095.00	
Shut In Tool	5.00			3100.00	
Hydraulic tool	5.00			3105.00	
Packer	5.00			3110.00	21.00 Bottom Of Top Packer
Packer	5.00			3115.00	
Stubb	1.00			3116.00	
Recorder	0.00	8289	Inside	3116.00	
Recorder	0.00	8366	Outside	3116.00	
Perforations	15.00			3131.00	
Bullnose	3.00			3134.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



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FLUID SUMMARY

Prospect Oil & Gas Company

27-14s-13w Russell, KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.11.14 @ 02:09:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 6800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

ft

bbl

psig

deg API

Water Salinity: 30000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
745.00	Muddy Water	10.450

Total Length: 745.00 ft

Total Volume: 10.450 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

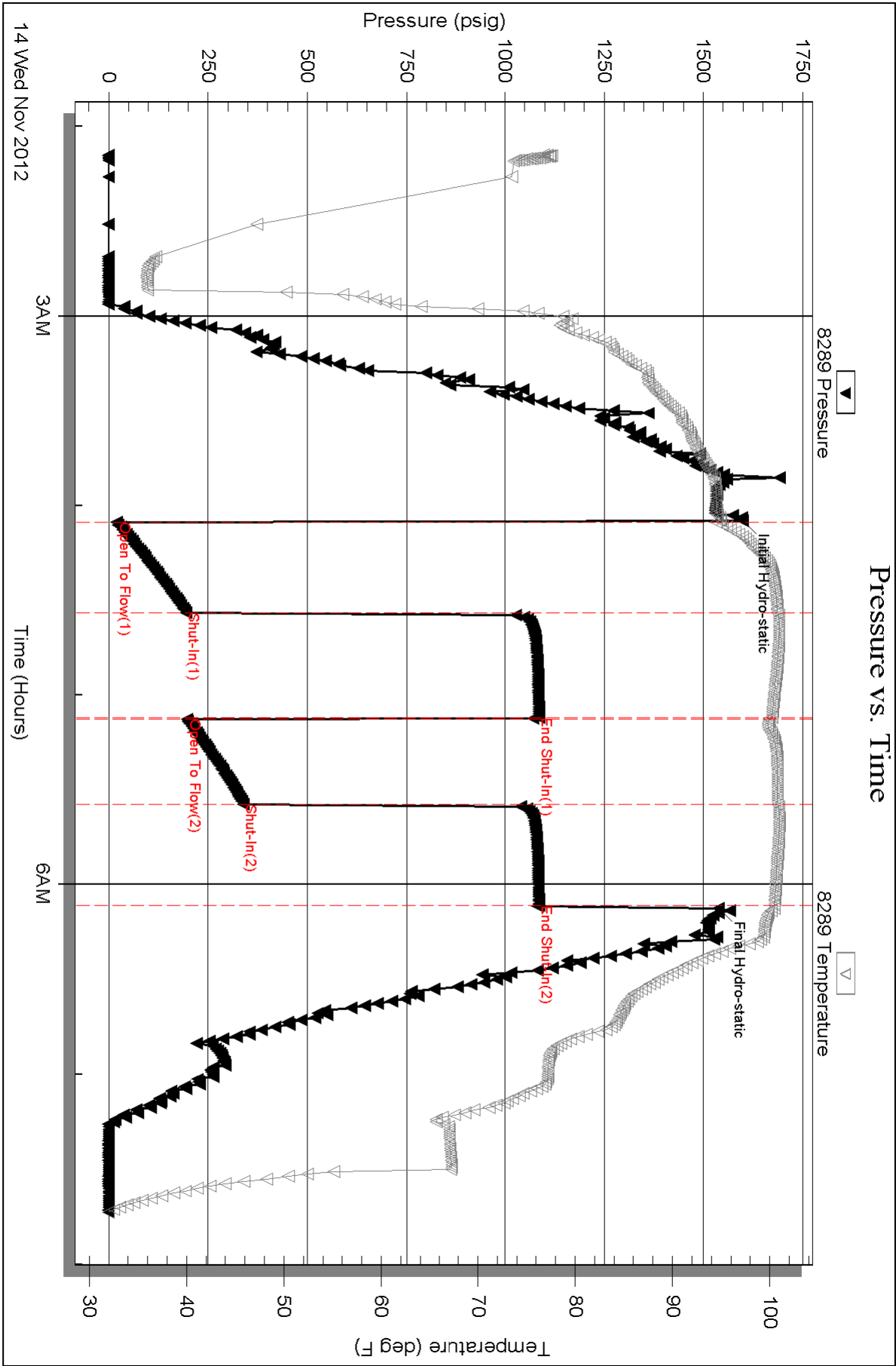
Serial #: 8289

Inside

Prospect Oil & Gas Company

C Rein A #2

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48730

Well Name & No. C Rein 'A' #2 Test No. 1 Date 11-14-12
 Company Prospect Oil & Gas Corp Elevation 1731 KB 1724 GL
 Address PO Box 837, Russell, KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig Royal #2
 Location: Sec. 27 Twp. 14s Rge. 13w Co. Russell State Ks

Interval Tested 3115-3134 Zone Tested Gorham Sand
 Anchor Length 19' Drill Pipe Run 3100 Mud Wt. 9.3
 Top Packer Depth 3110 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3115 Wt. Pipe Run 0 WL 7.6
 Total Depth 3134 Chlorides 6,800 ppm System LCM 1#
 Blow Description IFP- Strong, BOB in 5 min.
ISI- Dead
FFP- Strong, BOB in 7 min.
FSI- Dead

Rec <u>745</u>	Feet of <u>Muddy Water</u>	%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	Feet of	%gas	%oil	%water	%mud

Rec Total 745 BHT 100° Gravity _____ API RW 555 @ 29 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic 1599 ☒ Test 1150 T-On Location 1:55
 (B) First Initial Flow 20 ☐ Jars _____ T-Started 2:09
 (C) First Final Flow 194 ☐ Safety Joint _____ T-Open 4:07
 (D) Initial Shut-In 1085 ☐ Circ Sub _____ T-Pulled 6:07
 (E) Second Initial Flow 196 ☐ Hourly Standby _____ T-Out 7:43
 (F) Second Final Flow 338 ☒ Mileage 60rt 93 Comments _____
 (G) Final Shut-In 1085 ☐ Sampler _____
 (H) Final Hydrostatic 1538 ☐ Straddle _____

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Initial Open 30 ☐ Shale Packer _____
 Initial Shut-In 30 ☐ Extra Packer _____
 Final Flow 30 ☐ Extra Recorder _____
 Final Shut-In 30 ☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1243 Sub Total 1243 MP/DST Disc't _____

Approved By _____ Our Representative Jana McJannet *Thank you*

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