



## DRILL STEM TEST REPORT

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

PO Box 837  
Russell KS 67665-0837

ATTN: Brad Hutchinson

### **Hall C #2**

### **36-11s-17w Ellis,KS**

Start Date: 2015.12.13 @ 01:27:00

End Date: 2015.12.13 @ 08:30:00

Job Ticket #: 64752                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

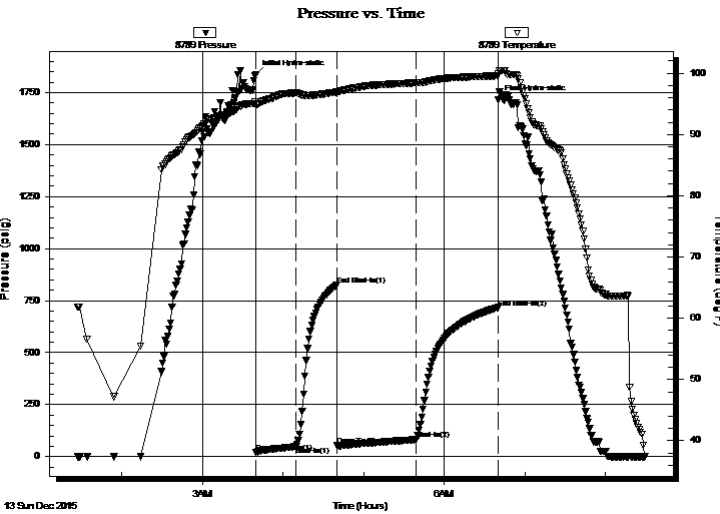
**36-11s-17w Ellis,KS**  
**Hall C #2**  
 Job Ticket: 64752 **DST#: 1**  
 Test Start: 2015.12.13 @ 01:27:00

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:40:00  
 Time Test Ended: 08:30:00  
 Interval: **3565.00 ft (KB) To 3648.00 ft (KB) (TVD)**  
 Total Depth: 3648.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2121.00 ft (KB)  
 2115.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8789 Outside**  
 Press@RunDepth: 82.05 psig @ 3569.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.12.13 End Date: 2015.12.13 Last Calib.: 2015.12.13  
 Start Time: 01:27:02 End Time: 08:29:15 Time On Btm: 2015.12.13 @ 03:39:30  
 Time Off Btm: 2015.12.13 @ 06:40:15

**TEST COMMENT:** 30-IF- BOB in 17 min.  
 30-ISI- No Blow  
 60-FF- Surface Blow Building to 2" In 10 min. Died Back in 18 min.  
 60-FSI- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1837.10	95.31	Initial Hydro-static
1	21.55	94.82	Open To Flow (1)
31	48.50	96.79	Shut-In(1)
61	823.49	96.95	End Shut-In(1)
61	53.28	96.70	Open To Flow (2)
120	82.05	98.44	Shut-In(2)
181	716.72	99.59	End Shut-In(2)
181	1713.73	99.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCO 50% m 50% o	0.88
63.00	MCO 15% m 85% o	0.88
50.00	CO 100%	0.70
0.00	75 GIP	0.00

## Gas Rates

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



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**TOOL DIAGRAM**

Prospect Oil & Gas Corp

**36-11s-17w Ellis,KS**

PO Box 837  
Russell KS 67665-0837

**Hall C #2**

Job Ticket: 64752

**DST#: 1**

ATTN: Brad Hutchinson

Test Start: 2015.12.13 @ 01:27:00

## Tool Information

Drill Pipe:	Length: 3551.00 ft	Diameter: 3.80 inches	Volume: 49.81 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 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: 50000.00 lb
			<u>Total Volume: 49.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3565.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	104.00 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			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Packer	5.00			3560.00	21.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Perforations	2.00			3568.00	
Change Over Sub	1.00			3569.00	
Recorder	0.00	8289	Inside	3569.00	
Recorder	0.00	8789	Outside	3569.00	
Blank Spacing	62.00			3631.00	
Change Over Sub	1.00			3632.00	
Perforations	13.00			3645.00	
Bullnose	3.00			3648.00	83.00 Bottom Packers & Anchor

**Total Tool Length: 104.00**



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**FLUID SUMMARY**

Prospect Oil & Gas Corp

**36-11s-17w Ellis,KS**

PO Box 837  
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**Hall C #2**

Job Ticket: 64752

**DST#: 1**

ATTN: Brad Hutchinson

Test Start: 2015.12.13 @ 01:27:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	MCO 50%m 50%o	0.884
63.00	MCO 15%m 85%o	0.884
50.00	CO 100%	0.701
0.00	75 GIP	0.000

Total Length: 176.00 ft

Total Volume: 2.469 bbl

Num Fluid Samples: 0

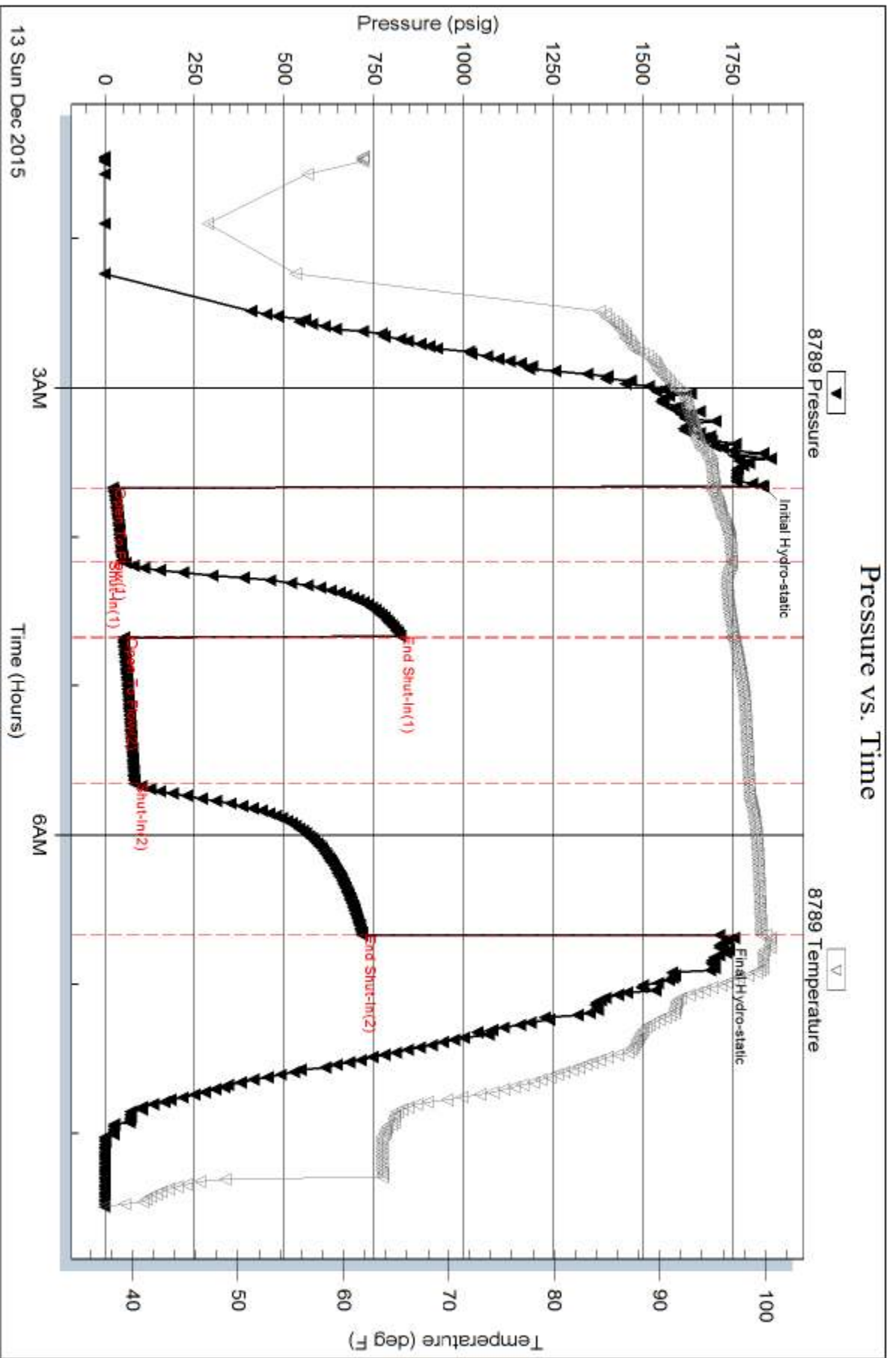
Num Gas Bombs: 0

Serial #:

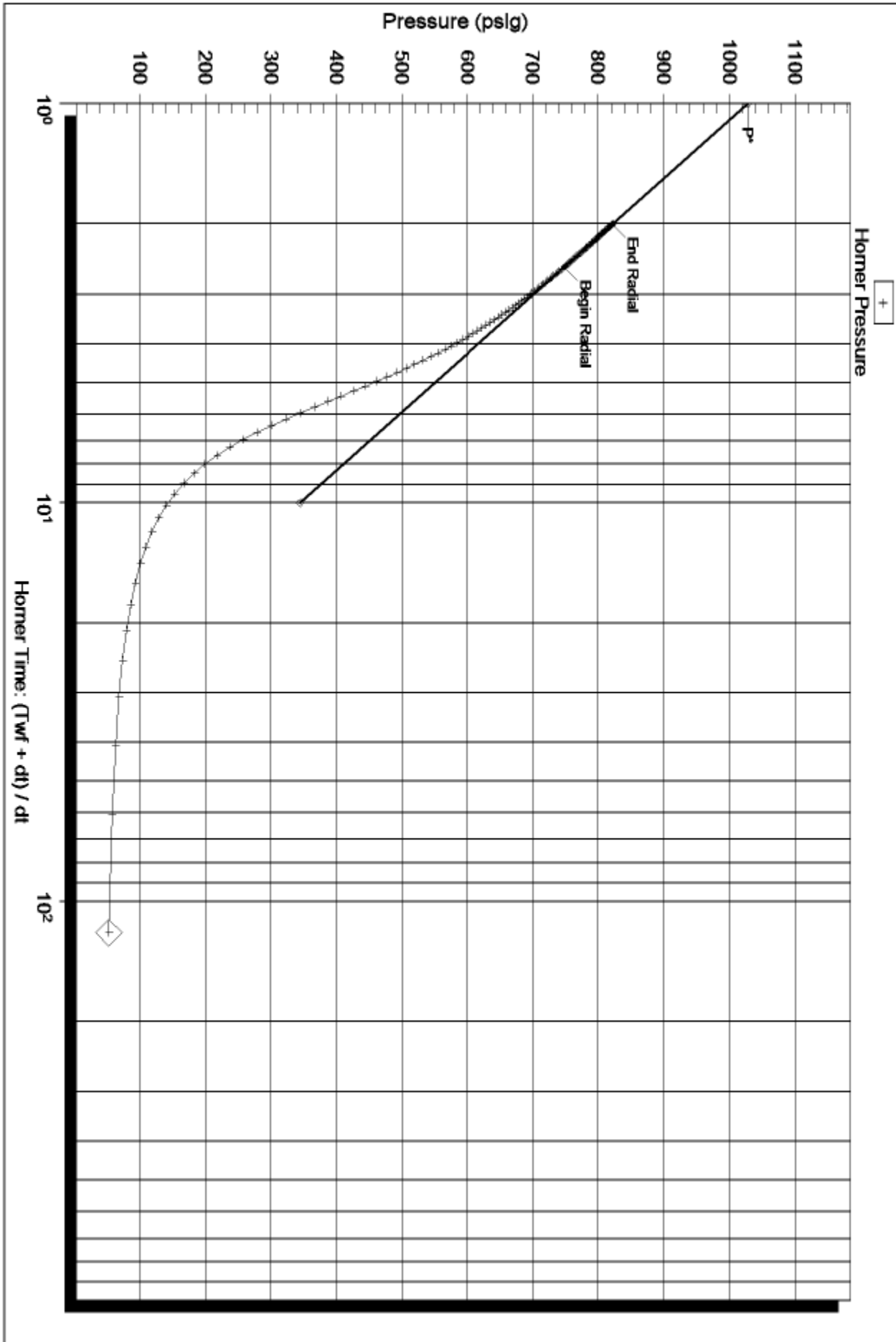
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Horner Plot



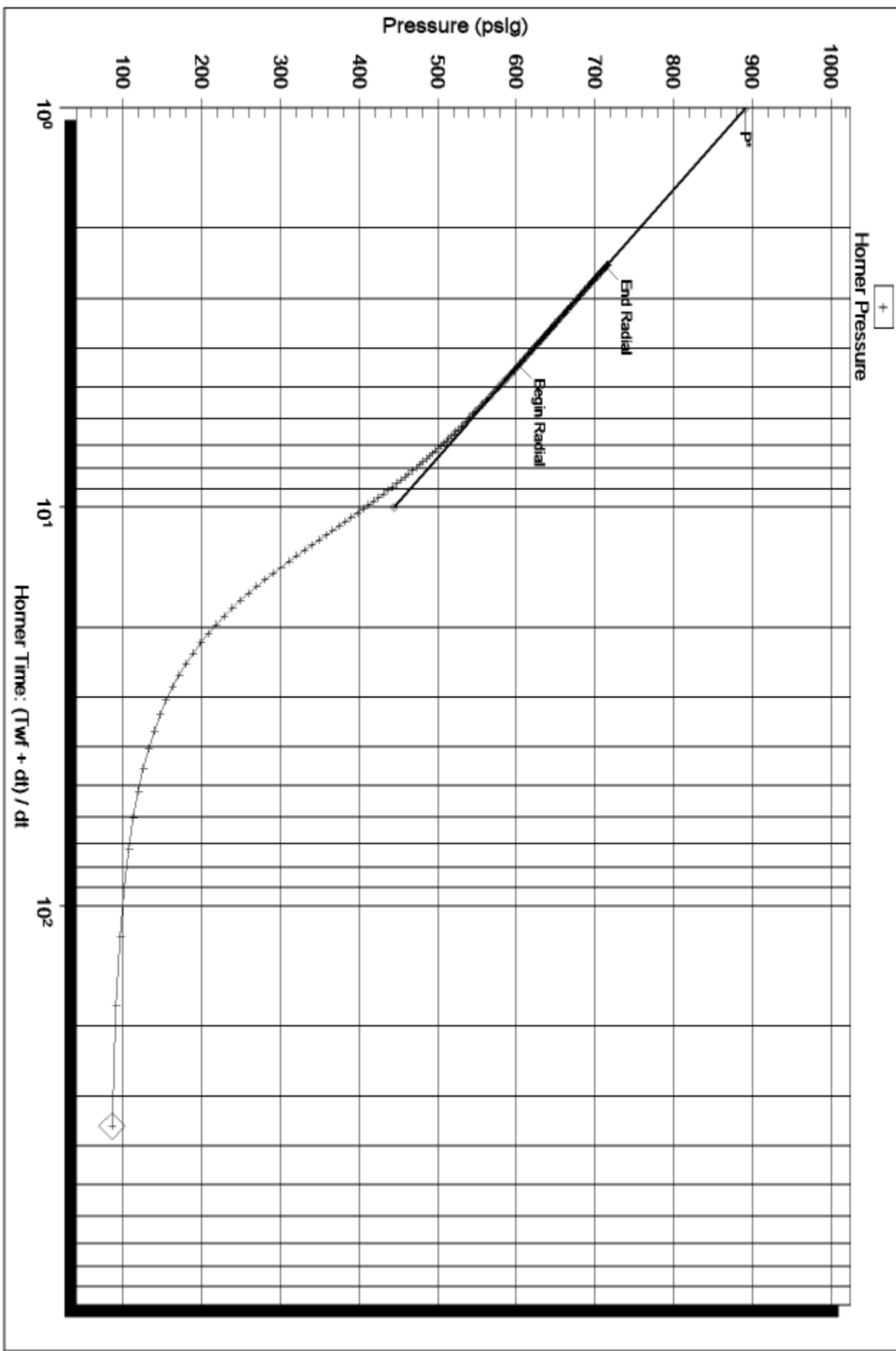
Serial Number: 8789 (Outside)

P\* : 1028.33

Slope (m) : 684.09 kpa/log cycle

Flow Cycle: 1

### Horner Plot



Serial Number: 8789 (Outside)

P\* : 891.54

Slope (m) : 447.31 kpa/log cycle

Flow Cycle: 2



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64752**

Well Name & No. Hall C # 2 Test No. 1 Date 12-13-15  
 Company Prospect Oil & Gas Corp. Elevation 2121 KB 2115 GL  
 Address P.O. Box 837 Russell KS 67665-0837  
 Co. Rep / Geo. Brad Hutchinson Rig Royal #1  
 Location: Sec. 36 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3565-3648 Zone Tested Carb. Sand Marmaton  
 Anchor Length 83 Drill Pipe Run 3551 Mud Wt. 9.1  
 Top Packer Depth 3560 Drill Collars Run Ø Vis 51  
 Bottom Packer Depth 3565 Wt. Pipe Run Ø WL 7.6  
 Total Depth 3648 Chlorides 2700 ppm System LCM 2

Blow Description IF - BOB in 17 min.  
ISI - No Blow  
FF - Surface Blow Build To 2 in. In 10 min. Died Back in 18 min.  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>MCO</u>	<u>50</u>		<u>50</u>	
<u>63</u>	<u>MCO</u>	<u>85</u>		<u>15</u>	
<u>50</u>	<u>CO</u>	<u>100</u>			
	<u>75 SIP</u>				

Rec Total 176 BHT 100 Gravity 32 API RW @ ° F Chlorides ppm  
 (A) Initial Hydrostatic 1837  Test 1050 T-On Location 00:40  
 (B) First Initial Flow 21  Jars T-Started 01:27  
 (C) First Final Flow 48  Safety Joint T-Open 03:40  
 (D) Initial Shut-In 823  Circ Sub T-Pulled 06:40  
 (E) Second Initial Flow 53  Hourly Standby T-Out 08:30  
 (F) Second Final Flow 82  Mileage 42 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 716  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1713  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Initial Open 30 Sub Total 0  
 Initial Shut-In 30 Total 1092  
 Final Flow 60 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1092

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