



## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

125 N Market Ste 1230  
Wichita KS 67202-1712

ATTN: Mac Armstrong

### **28-8s-19w Rooks KS**

#### **Stice #7**

Start Date: 2011.01.30 @ 02:52:00

End Date: 2011.01.30 @ 10:01:00

Job Ticket #: 041543                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
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**TRILOBITE  
TESTING, INC**

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125 N Market Ste 1230  
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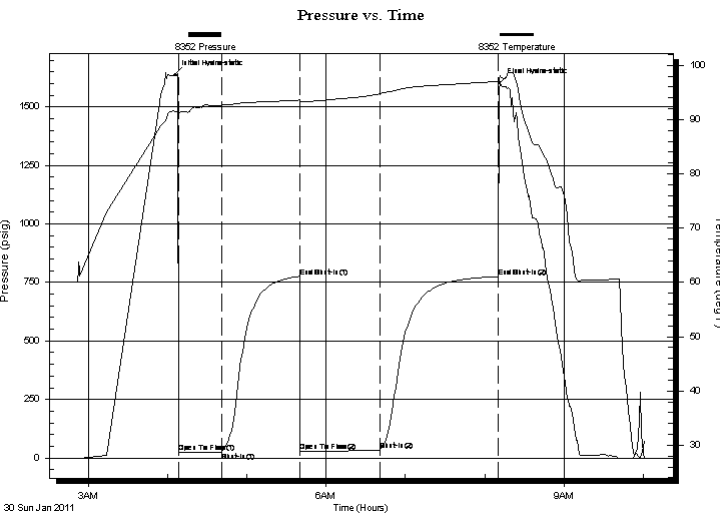
**Stice #7**  
**28-8s-19w Rooks KS**  
Job Ticket: 041543 **DST#: 1**  
Test Start: 2011.01.30 @ 02:52:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:08:10  
Time Test Ended: 10:01:00  
Interval: **3423.00 ft (KB) To 3470.00 ft (KB) (TVD)**  
Total Depth: 3470.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Andy Carreira  
Unit No: 31  
Reference Elevations: 2024.00 ft (KB)  
2019.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8352 Outside**  
Press @ Run Depth: 32.95 psig @ 3430.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.01.30 End Date: 2011.01.30 Last Calib.: 2011.01.30  
Start Time: 02:52:05 End Time: 10:00:59 Time On Btm: 2011.01.30 @ 04:05:30  
Time Off Btm: 2011.01.30 @ 08:11:30

**TEST COMMENT:** IF: Weak blow , 1.5 inches  
IS: No Return  
FF: Weak blow , 1 inch  
FS: No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.20	91.53	Initial Hydro-static
3	22.22	90.78	Open To Flow (1)
36	25.85	92.63	Shut-In(1)
95	775.09	93.60	End Shut-In(1)
95	28.34	93.36	Open To Flow (2)
156	32.95	94.73	Shut-In(2)
245	774.59	97.01	End Shut-In(2)
246	1604.21	98.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	HOCGM g=10% o=35% m=55%	0.42

## Gas Rates

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



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**TOOL DIAGRAM**

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Job Ticket: 041543

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2011.01.30 @ 02:52:00

## Tool Information

Drill Pipe:	Length: 3418.00 ft	Diameter: 3.80 inches	Volume: 47.95 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.95 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3423.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3392.00	
Shut In Tool	5.00			3397.00	
Sampler	4.00			3401.00	
Hydraulic tool	5.00			3406.00	
Jars	5.00			3411.00	
Safety Joint	3.00			3414.00	
Packer	5.00			3419.00	32.00 Bottom Of Top Packer
Packer	4.00			3423.00	
Stubb	1.00			3424.00	
Perforations	5.00			3429.00	
Change Over Sub	1.00			3430.00	
Recorder	0.00	8017	Inside	3430.00	
Recorder	0.00	8352	Outside	3430.00	
Drill Pipe	31.00			3461.00	
Change Over Sub	1.00			3462.00	
Perforations	5.00			3467.00	
Bullnose	3.00			3470.00	47.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>79.00</b>				



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## 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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	HOCGM g=10% o=35% m=55%	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Recovery: Gas=900ML Oil=2150ML Mud=950ML  
Pressure=500Lbs

### Pressure vs. Time

