



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Boulevard
Suite C
Hays, Kansas 67601

ATTN: Charlie Sturdavant

Wondra Farms #1-22

22/18S/14W/Barton

Start Date: 2014.08.12 @ 18:09:00

End Date: 2014.08.13 @ 01:24:30

Job Ticket #: 60256 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.13 @ 01:44:47



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC
 2717 Canal Boulevard
 Suite C
 Hays, Kansas 67601
 ATTN: Charlie Sturdavant

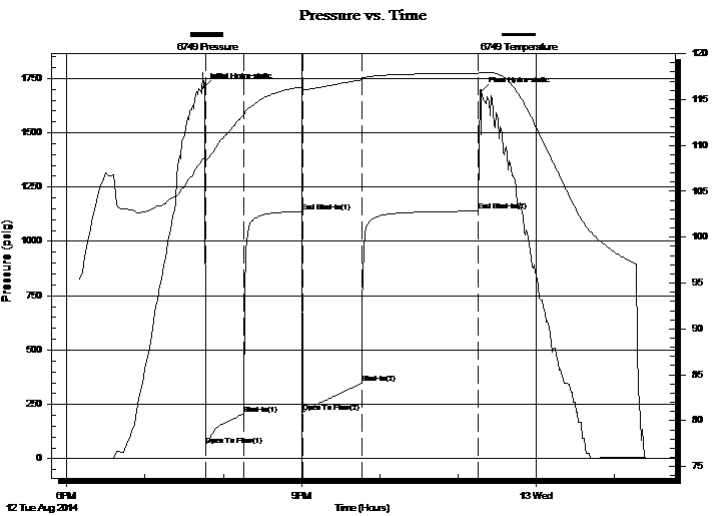
22/18S/14W/Barton
Wondra Farms #1-22
 Job Ticket: 60256 **DST#: 2**
 Test Start: 2014.08.12 @ 18:09:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:46:30
 Time Test Ended: 01:24:30
 Interval: **3375.00 ft (KB) To 3433.00 ft (KB) (TVD)**
 Total Depth: 3433.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/24
 Reference Elevations: 1918.00 ft (KB)
 1909.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749 Inside
 Press@RunDepth: 346.82 psig @ 3429.34 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.12 End Date: 2014.08.13 Last Calib.: 2014.08.13
 Start Time: 18:09:00 End Time: 01:24:30 Time On Btm: 2014.08.12 @ 19:45:00
 Time Off Btm: 2014.08.12 @ 23:18:00

TEST COMMENT: 1ST Open 30 Minutes/Good blow /Blow built to bottom of bucket in 11 minutes 30 seconds
 1ST Shut In 45 Minutes/No blow back
 2ND Open 45 Minutes/Good blow /Blow built to bottom of bucket in 15 minutes
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1707.27	108.55	Initial Hydro-static
2	63.10	108.39	Open To Flow (1)
31	206.70	113.28	Shut-In(1)
75	1137.54	116.36	End Shut-In(1)
76	215.48	116.14	Open To Flow (2)
121	346.82	117.15	Shut-In(2)
211	1138.70	117.80	End Shut-In(2)
213	1689.96	117.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
672.00	Muddy Water	7.45
0.00	Mud 25% Water 75%	0.00

Gas Rates

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



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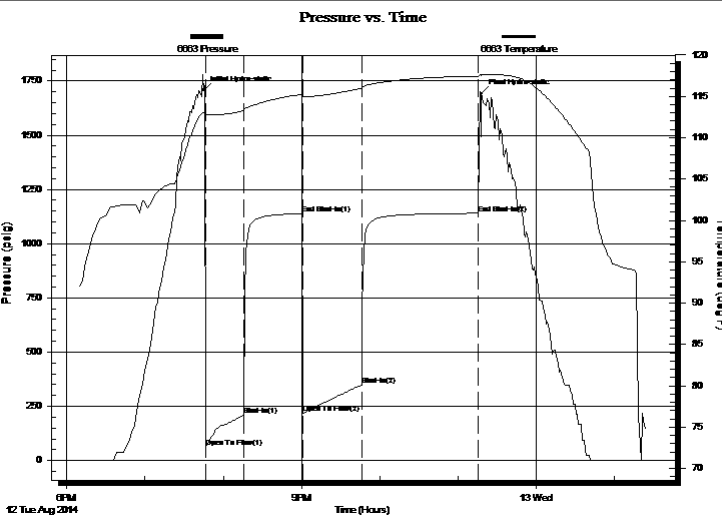
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 Unit No: 3325 Great Bend/24
 Reference Elevations: 1918.00 ft (KB)
 1909.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6663 Outside
 Press@RunDepth: 1139.85 psig @ 3430.34 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.12 End Date: 2014.08.13 Last Calib.: 2014.08.13
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.16	113.09	Initial Hydro-static
2	62.93	112.76	Open To Flow (1)
31	208.23	113.27	Shut-In(1)
75	1138.62	115.22	End Shut-In(1)
76	216.93	114.99	Open To Flow (2)
121	348.78	115.96	Shut-In(2)
211	1139.85	117.45	End Shut-In(2)
213	1690.21	117.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
672.00	Muddy Water	7.45
0.00	Mud 25% Water 75%	0.00

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

Shelby Resources LLC

22/18S/14W/Barton

2717 Canal Boulevard

Wondra Farms #1-22

Suite C

Job Ticket: 60256

DST#: 2

Hays, Kansas 67601

ATTN: Charlie Sturdavant

Test Start: 2014.08.12 @ 18:09:00

Tool Information

Drill Pipe:	Length: 3150.00 ft	Diameter: 3.80 inches	Volume: 44.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 217.47 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 45.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.47 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3375.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.34 ft			
Tool Length:	86.34 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Damaged Packer

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3352.00	
Hydraulic tool	5.00			3357.00	
Jars	6.00			3363.00	
Safety Joint	2.00			3365.00	
Top Packer	5.00			3370.00	
Packer	5.00			3375.00	28.00 Bottom Of Top Packer
Anchor	5.00			3380.00	
Change Over Sub	0.75			3380.75	
Drill Pipe	31.84			3412.59	
Change Over Sub	0.75			3413.34	
Anchor	15.00			3428.34	
Recorder	1.00	6749	Inside	3429.34	
Recorder	1.00	6663	Outside	3430.34	
Bullnose	3.00			3433.34	58.34 Anchor Tool

Total Tool Length: 86.34



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FLUID SUMMARY

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DST#: 2

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 9.40 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
672.00	Muddy Water	7.445
0.00	Mud 25% Water 75%	0.000

Total Length: 672.00 ft Total Volume: 7.445 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

