



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt Talbolt

Ervin Schneider

31-17s-14w-Barton

Start Date: 2012.09.01 @ 04:52:00

End Date: 2012.09.01 @ 10:18:00

Job Ticket #: 17265 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.09.01 @ 22:30:35

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 3
Arbuckle
2012.09.01



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

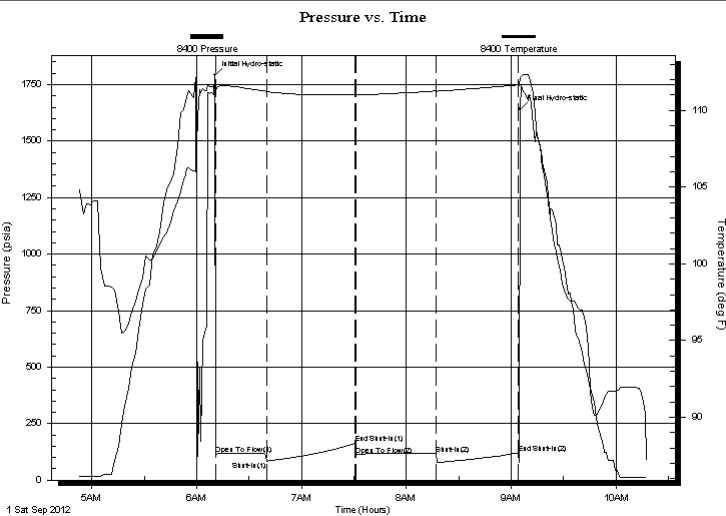
31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17265 **DST#: 3**
 Test Start: 2012.09.01 @ 04:52:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:11:00
 Time Test Ended: 10:18:00
 Interval: **3418.00 ft (KB) To 3430.00 ft (KB) (TVD)**
 Total Depth: 3430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-35
 Reference Elevations: 1912.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8400 Inside
 Press @ RunDepth: 116.39 psia @ 3427.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 04:52:00 End Time: 10:18:00 Time On Btm: 2012.09.01 @ 06:10:30
 Time Off Btm: 2012.09.01 @ 09:05:00

TEST COMMENT: 1st Open 30 minutes Fair blow stayed at 2 inches into the bucket of w ater.
 1st Shut in 45 minutes No blow back.
 2nd Open 45 minutes No blow dead.
 2nd Shut in 45 minutes No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1791.48	111.53	Initial Hydro-static
1	113.72	111.24	Open To Flow (1)
30	83.47	111.21	Shut-In(1)
80	161.71	111.04	End Shut-In(1)
81	110.60	111.02	Open To Flow (2)
127	116.39	111.27	Shut-In(2)
174	120.48	111.66	End Shut-In(2)
175	1640.92	112.17	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
160.00	Mud 100%	2.24

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



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 Po Box 256 Claflin Kansas
 67525
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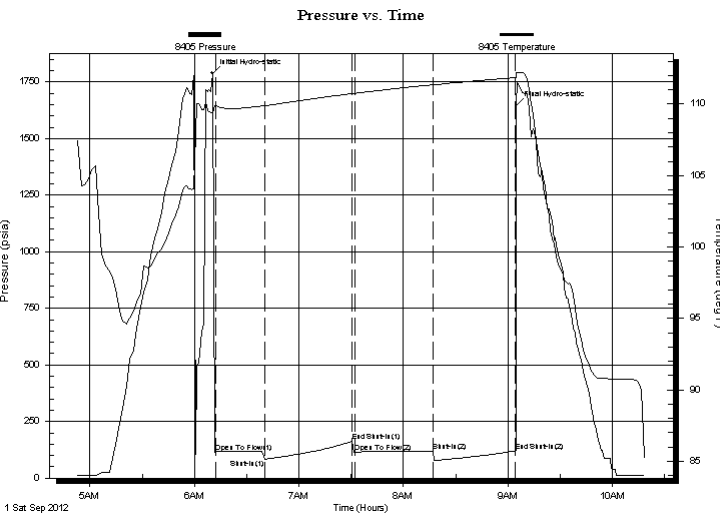
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 1907.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8405 Outside
 Press @ RunDepth: 120.67 psia @ 3426.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 04:52:00 End Time: 10:18:30 Time On Btm: 2012.09.01 @ 06:10:30
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 1st Shut in 45 minutes No blow back.
 2nd Open 45 minutes No blow dead.
 2nd Shut in 45 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1788.51	109.38	Initial Hydro-static
2	116.34	109.89	Open To Flow (1)
30	84.04	109.88	Shut-In(1)
80	161.70	110.73	End Shut-In(1)
82	113.96	110.74	Open To Flow (2)
127	118.70	111.35	Shut-In(2)
174	120.67	111.85	End Shut-In(2)
175	1646.63	112.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	Mud 100%	2.24

Gas Rates

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



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TOOL DIAGRAM

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17265 **DST#: 3**
 Test Start: 2012.09.01 @ 04:52:00

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 47.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3418.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	32.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3403.00	
Hydraulic Tool	5.00			3408.00	
Packer	5.00			3413.00	20.00 Bottom Of Top Packer
Packer	5.00			3418.00	
Anchor	7.00			3425.00	
Recorder	1.00	8405	Outside	3426.00	
Recorder	1.00	8400	Inside	3427.00	
Bull Plug	3.00			3430.00	12.00 Bottom Packers & Anchor

Total Tool Length: 32.00



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FLUID SUMMARY

RJM Company

31-17s-14w-Barton

Po Box 256 Claflin Kansas
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Ervin Schneider

Job Ticket: 17265

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2012.09.01 @ 04:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	Mud 100%	2.244

Total Length: 160.00 ft Total Volume: 2.244 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

