



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 @ 07:04:00

End Date: 2012.09.01 @ 12:25:30

Job Ticket #: 17264 DST #: 2

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

Printed: 2012.09.01 @ 12:38:59

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 2
Arbuckle
2012.09.01



DRILL STEM TEST REPORT

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

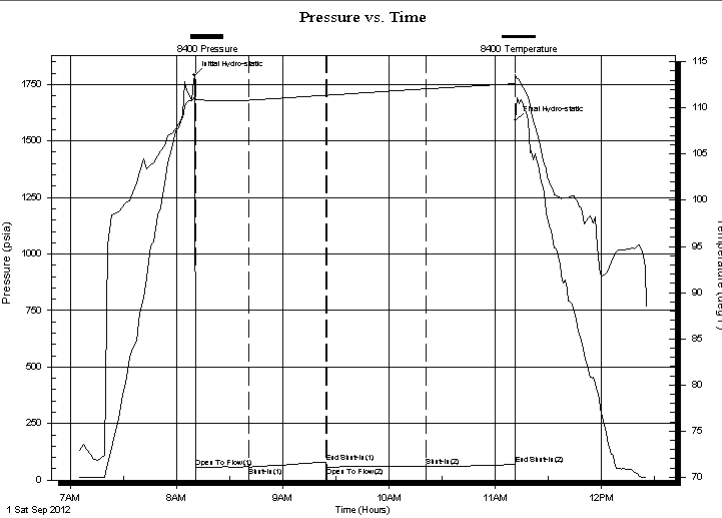
31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17264 **DST#: 2**
 Test Start: 2012.09.01 @ 07:04:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:10:30 Tester: Dustin Ellis
 Time Test Ended: 12:25:30 Unit No: 3315-Great Bend-35
 Interval: **3374.00 ft (KB) To 3425.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3425.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8400 Outside
 Press @ Run Depth: 59.77 psia @ 3427.77 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 07:04:00 End Time: 12:25:30 Time On Btm: 2012.09.01 @ 08:10:00
 Time Off Btm: 2012.09.01 @ 11:11:30

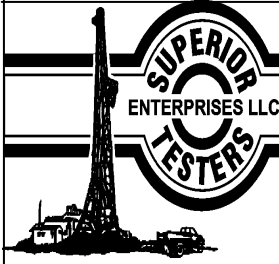
TEST COMMENT: 1st Open 30 minutes Weak surface blow stayed steady.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Dead no blow
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1790.80	111.36	Initial Hydro-static
1	55.64	110.92	Open To Flow (1)
31	56.63	110.84	Shut-In(1)
74	80.45	111.38	End Shut-In(1)
75	57.52	111.37	Open To Flow (2)
131	59.77	112.07	Shut-In(2)
181	69.27	112.63	End Shut-In(2)
182	1591.44	113.63	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

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



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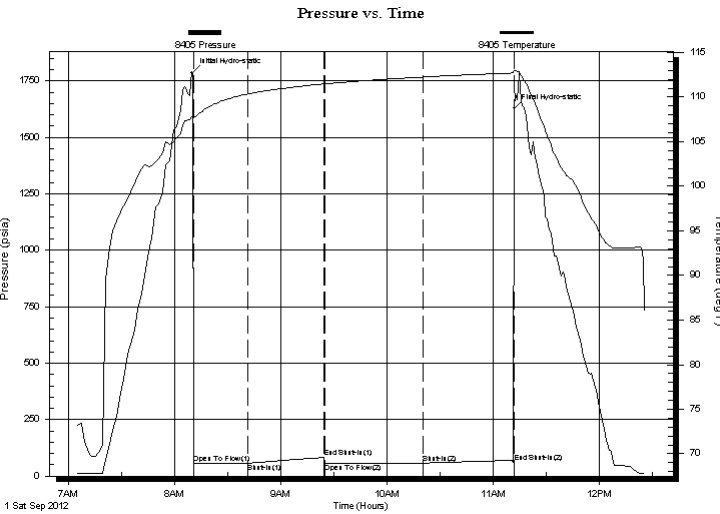
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 Total Depth: 3425.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405 Inside
 Press @ Run Depth: 63.25 psia @ 3426.77 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 07:04:00 End Time: 12:25:30 Time On Btm: 2012.09.01 @ 08:10:00
 Time Off Btm: 2012.09.01 @ 11:12:00

TEST COMMENT: 1st Open 30 minutes Weak surface blow stayed steady.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Dead no blow
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1785.29	107.97	Initial Hydro-static
1	56.66	107.72	Open To Flow (1)
31	57.65	110.33	Shut-In(1)
74	82.98	111.46	End Shut-In(1)
75	58.10	111.46	Open To Flow (2)
131	58.71	112.24	Shut-In(2)
182	63.25	112.69	End Shut-In(2)
182	1627.65	112.98	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

31-17s-14w-Barton

Po Box 256 Claflin Kansas
67525

Ervin Schneider

Job Ticket: 17264

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2012.09.01 @ 07:04:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 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: 50000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3374.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.77 ft			
Tool Length:	76.77 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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Shut-In Tool	5.00			3359.00	
Hydraulic Tool	5.00			3364.00	
Packer	5.00			3369.00	20.00 Bottom Of Top Packer
Packer	5.00			3374.00	
Anchor	10.00			3384.00	
Change Over Sub	0.75			3384.75	
Drill Pipe	31.27			3416.02	
Change Over Sub	0.75			3416.77	
Anchor	9.00			3425.77	
Recorder	1.00	8405	Inside	3426.77	
Recorder	1.00	8400	Outside	3427.77	
Bull Plug	3.00			3430.77	56.77 Bottom Packers & Anchor

Total Tool Length: 76.77



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FLUID SUMMARY

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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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	Mud 100%	0.098

Total Length: 7.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

