



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: 2012.09.02 @ 03:50:00

End Date: 2012.09.02 @ 09:29:30

Job Ticket #: 17266 DST #: 4

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

Printed: 2012.09.02 @ 09:53:34

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 4
Arbuckle
2012.09.02



DRILL STEM TEST REPORT

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

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17266 **DST#: 4**
 Test Start: 2012.09.02 @ 03:50:00

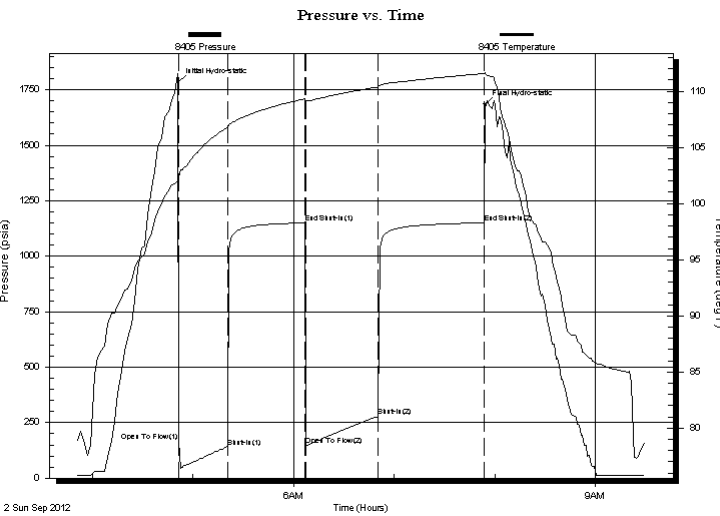
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:51:30 Tester: Dustin Ellis
 Time Test Ended: 09:29:30 Unit No: 3315-Great Bend-35
 Interval: **3423.00 ft (KB) To 3450.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3450.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405

Press @ Run Depth: 279.27 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.02 End Date: 2012.09.02 Last Calib.: 2012.09.02
 Start Time: 03:50:00 End Time: 09:29:30 Time On Btm: 2012.09.02 @ 04:51:00
 Time Off Btm: 2012.09.02 @ 07:54:00

TEST COMMENT: 1st Open 30 minutes Fair building blow blew bottom bucket 13 minutes.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 16 minutes.
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1782.48	102.95	Initial Hydro-static
1	165.37	102.32	Open To Flow (1)
30	141.39	106.78	Shut-In(1)
76	1150.61	109.31	End Shut-In(1)
76	146.51	108.93	Open To Flow (2)
120	279.27	110.36	Shut-In(2)
183	1150.65	111.56	End Shut-In(2)
183	1684.32	111.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Muddy water 20%Mud 80%Water	6.96
0.00	Chlorides 46000@52 Degrees	0.00

Gas Rates

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



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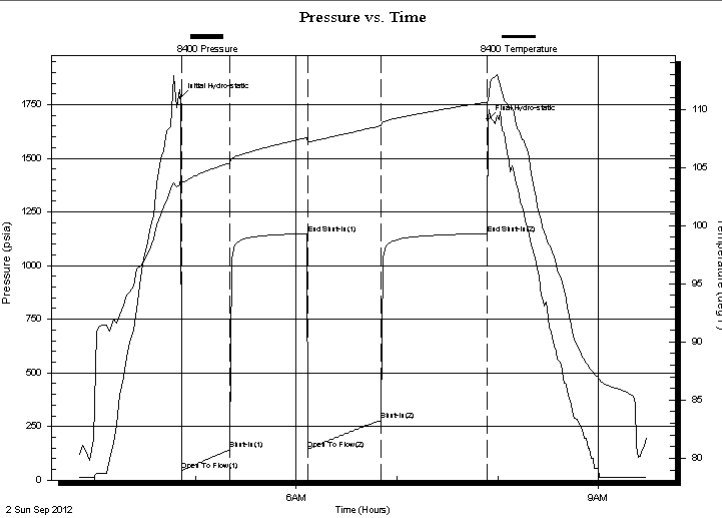
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 Total Depth: 3450.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8400

Press @ Run Depth: 1149.62 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.02 End Date: 2012.09.02 Last Calib.: 2012.09.02
 Start Time: 03:50:00 End Time: 09:29:00 Time On Btm: 2012.09.02 @ 04:51:00
 Time Off Btm: 2012.09.02 @ 07:54:00

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 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 16 minutes.
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1782.08	104.09	Initial Hydro-static
1	44.01	103.72	Open To Flow (1)
30	141.72	105.40	Shut-In(1)
76	1149.34	107.57	End Shut-In(1)
76	146.23	107.09	Open To Flow (2)
120	279.68	108.59	Shut-In(2)
183	1149.62	110.61	End Shut-In(2)
183	1682.09	110.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Muddy water 20%Mud 80%Water	6.96
0.00	Chlorides 46000@52 Degrees	0.00

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: 17266

DST#: 4

ATTN: Kurt Talbolt

Test Start: 2012.09.02 @ 03:50:00

Tool Information

Drill Pipe:	Length: 3418.00 ft	Diameter: 3.80 inches	Volume: 47.95 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: 56000.00 lb
			<u>Total Volume: 47.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3423.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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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Shut-In Tool	5.00			3408.00	
Hydraulic Tool	5.00			3413.00	
Packer	5.00			3418.00	20.00 Bottom Of Top Packer
Packer	5.00			3423.00	
Anchor	22.00			3445.00	
Recorder	1.00	8405	Outside	3446.00	
Recorder	1.00	8400	Inside	3447.00	
Bull Plug	3.00			3450.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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FLUID SUMMARY

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Test Start: 2012.09.02 @ 03:50:00

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: 0.20 ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	Muddy water 20%Mud 80%Water	6.958
0.00	Chlorides 46000@52 Degrees	0.000

Total Length: 496.00 ft Total Volume: 6.958 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

