



DRILL STEM TEST REPORT

Prepared For: **RJM Company.**

Po Box 256 Claflin Kansas
67525

ATTN: Bill&Brad Miller

Siemsen East #1

2-17s-10w-Ellsworth

Start Date: 2012.10.20 @ 04:08:00

End Date: 2012.10.20 @ 10:04:30

Job Ticket #: 17861 DST #: 1

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

Printed: 2012.10.20 @ 08:33:31



DRILL STEM TEST REPORT

RJM Company.
 Po Box 256 Claflin Kansas
 67525
 ATTN: Bill&Brad Miller

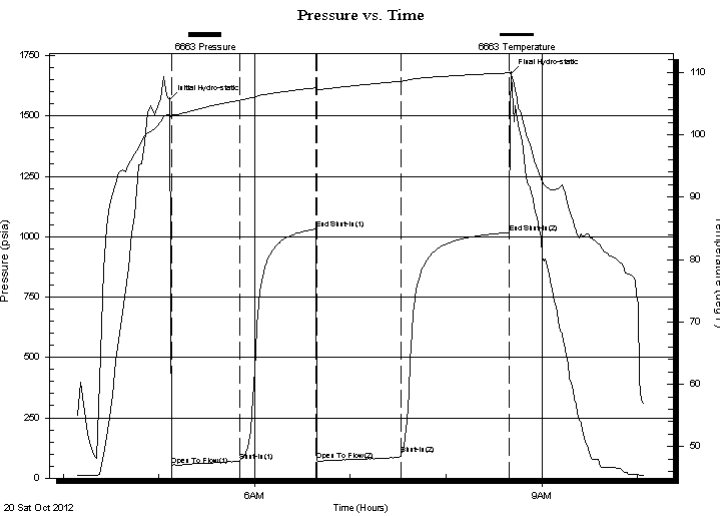
2-17s-10w-Ellsworth
Siemens East #1
 Job Ticket: 17861 **DST#: 1**
 Test Start: 2012.10.20 @ 04:08:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:08:00 Tester: Dustin Ellis
 Time Test Ended: 10:04:30 Unit No: 3315-Great Bend-62
 Interval: **3215.00 ft (KB) To 3268.00 ft (KB) (TVD)** Reference Elevations: 1824.00 ft (KB)
 Total Depth: 3268.00 ft (KB) (TVD) 1817.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6663 Inside
 Press @ Run Depth: 98.12 psia @ 3264.19 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.20 End Date: 2012.10.20 Last Calib.: 2012.10.20
 Start Time: 04:08:00 End Time: 10:04:30 Time On Btm: 2012.10.20 @ 05:07:00
 Time Off Btm: 2012.10.20 @ 08:41:00

TEST COMMENT: 1st Open 45 minutes Fair building blow blew 8.5 inches into bucket of water.
 1st Shut in 45 minutes No blow back
 2nd Open 60 minutes Fair building blow blew bottom bucket 30 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1569.10	103.15	Initial Hydro-static
1	53.70	102.78	Open To Flow (1)
44	70.62	105.50	Shut-In(1)
92	1031.55	107.49	End Shut-In(1)
92	74.31	107.21	Open To Flow (2)
145	98.12	108.56	Shut-In(2)
213	1017.44	109.90	End Shut-In(2)
214	1676.97	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Gassy oil cut mud	0.14
0.00	Gas30% Oil15%Mud55%	0.00
10.00	Clean free oil 100%	0.14
62.00	Mud cut oil Oil 35% Mud65%	0.87
0.00	100ft. gas in pipe.	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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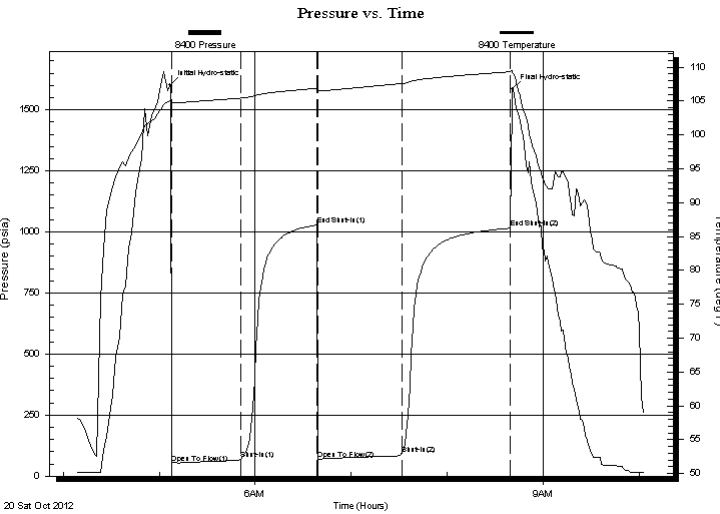
2-17s-10w-Ellsworth
Siemens East #1
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 Reference Elevations: 1824.00 ft (KB)
 Total Depth: 3268.00 ft (KB) (TVD) 1817.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 1015.35 psia @ 3265.19 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.20 End Date: 2012.10.20 Last Calib.: 2012.10.20
 Start Time: 04:08:00 End Time: 10:04:00 Time On Btm: 2012.10.20 @ 05:07:00
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TEST COMMENT: 1st Open 45 minutes Fair building blow blew 8.5 inches into bucket of water.
 1st Shut in 45 minutes No blow back
 2nd Open 60 minutes Fair building blow blew bottom bucket 30 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1602.80	105.03	Initial Hydro-static
1	54.43	104.56	Open To Flow (1)
44	69.98	105.46	Shut-In(1)
92	1028.16	106.90	End Shut-In(1)
92	70.40	106.55	Open To Flow (2)
145	89.32	107.59	Shut-In(2)
213	1015.35	109.33	End Shut-In(2)
214	1584.97	109.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Gassy oil cut mud	0.14
0.00	Gas30% Oil15%Mud55%	0.00
10.00	Clean free oil 100%	0.14
62.00	Mud cut oil Oil 35% Mud65%	0.87
0.00	100ft. gas in pipe.	0.00

Gas Rates

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

RJM Company.
 Po Box 256 Claflin Kansas
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 ATTN: Bill&Brad Miller

2-17s-10w-Ellsworth
Siemens East #1
 Job Ticket: 17861 **DST#: 1**
 Test Start: 2012.10.20 @ 04:08:00

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 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:	43000.00 lb
			<u>Total Volume: 45.28 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3215.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.19 ft				
Tool Length:	73.19 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			3200.00	
Hydraulic Tool	5.00			3205.00	
Packer	5.00			3210.00	20.00 Bottom Of Top Packer
Packer	5.00			3215.00	
Anchor	10.00			3225.00	
Change Over Sub	0.75			3225.75	
Drill Pipe	30.69			3256.44	
Change Over Sub	0.75			3257.19	
Anchor	6.00			3263.19	
Recorder	1.00	6663	Inside	3264.19	
Recorder	1.00	8400	Outside	3265.19	
Bull Plug	3.00			3268.19	53.19 Bottom Packers & Anchor

Total Tool Length: 73.19



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FLUID SUMMARY

RJM Company.

2-17s-10w-Ellsworth

Po Box 256 Claflin Kansas
67525

Siemens East #1

Job Ticket: 17861

DST#: 1

ATTN: Bill&Brad Miller

Test Start: 2012.10.20 @ 04:08:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 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 bbbl
10.00	Gassy oil cut mud	0.140
0.00	Gas30% Oil15%Mud55%	0.000
10.00	Clean free oil 100%	0.140
62.00	Mud cut oil Oil 35% Mud65%	0.870
0.00	100ft. gas in pipe.	0.000

Total Length: 82.00 ft

Total Volume: 1.150 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

