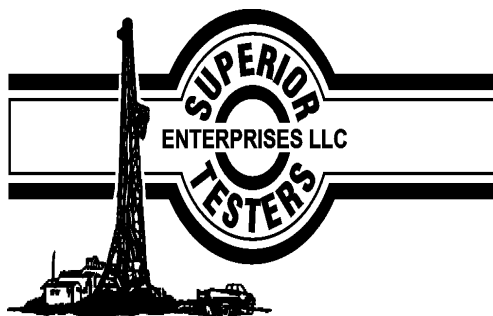




DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.25 @ 14:56:00

End Date: 2013.09.25 @ 20:21:30

Job Ticket #: 18440 DST #: 1

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

Printed: 2013.09.25 @ 20:37:44

Pickrell Drillind Company

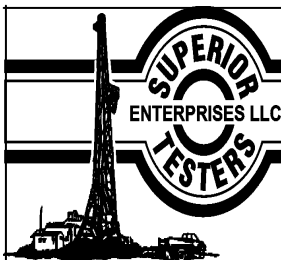
30-16-26w Ness

Rolf Trust "A" #1

DST # 1

Kansas City "J" zone

2013.09.25



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18440

DST#: 1

Test Start: 2013.09.25 @ 14:56:00

GENERAL INFORMATION:

Formation: **Kansas City "J" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:30

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4186.00 ft (KB) To 4228.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 77.45 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.25

End Date:

2013.09.25

Last Calib.:

2013.09.25

Start Time: 14:56:00

End Time:

20:21:30

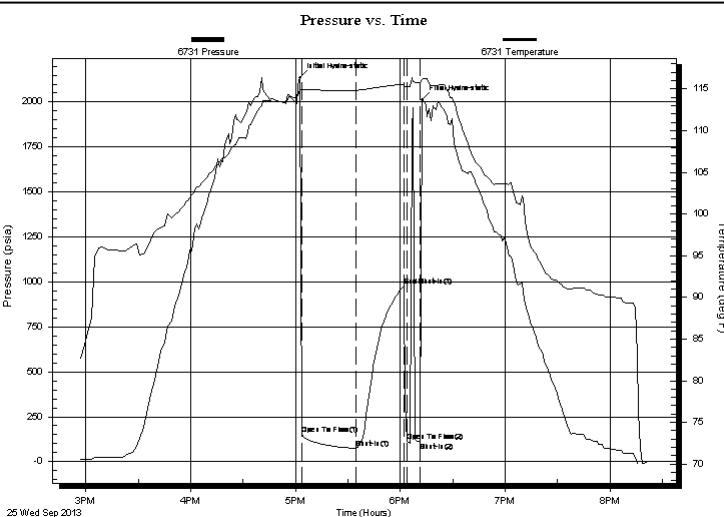
Time On Btm:

2013.09.25 @ 17:02:30

Time Off Btm:

2013.09.25 @ 18:12:30

TEST COMMENT: 1st Opening 30 Minutes-Very weak surface blow did not build
1st Shut-in 30 Minutes-No blow back
2nd Opening 10 Minutes-No blow flushed tool good surge did not build
2nd Shut-in pull tool



PRESSURE SUMMARY

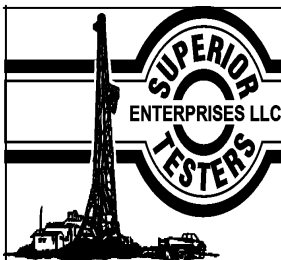
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2133.98	114.88	Initial Hydro-static
1	152.16	114.89	Open To Flow (1)
32	77.45	114.85	Shut-In(1)
60	975.47	115.56	End Shut-In(1)
61	114.92	115.31	Open To Flow (2)
69	109.72	115.78	Shut-In(2)
70	2013.56	116.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18440

DST#: 1

Test Start: 2013.09.25 @ 14:56:00

GENERAL INFORMATION:

Formation: **Kansas City "J" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:30

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4186.00 ft (KB) To 4228.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 1013.05 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.25

End Date:

2013.09.25

Last Calib.:

2013.09.25

Start Time: 14:56:00

End Time:

20:22:00

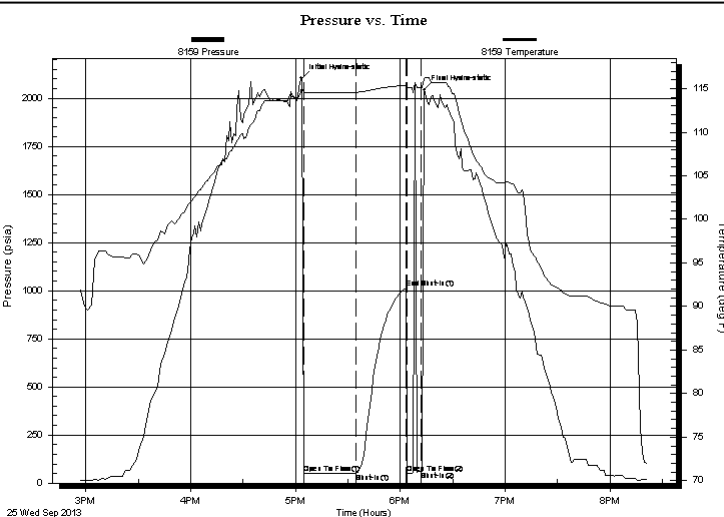
Time On Btm:

2013.09.25 @ 17:03:30

Time Off Btm:

2013.09.25 @ 18:13:30

TEST COMMENT: 1st Opening 30 Minutes-Very weak surface blow did not build
1st Shut-in 30 Minutes-No blow back
2nd Opening 10 Minutes-No blow flushed tool good surge did not build
2nd Shut-in pull tool



PRESSURE SUMMARY

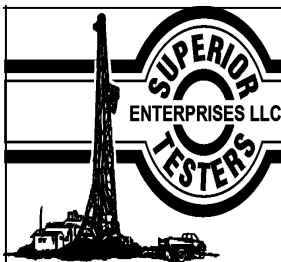
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2104.28	115.09	Initial Hydro-static
1	49.30	114.62	Open To Flow (1)
31	51.09	114.58	Shut-In(1)
60	1013.05	115.40	End Shut-In(1)
61	52.85	115.11	Open To Flow (2)
69	59.55	115.17	Shut-In(2)
70	2045.17	116.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18440

DST#: 1

ATTN: Jerry Smith

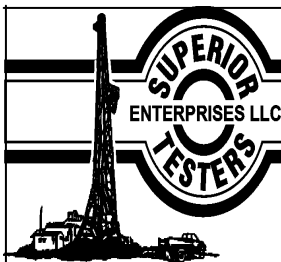
Test Start: 2013.09.25 @ 14:56:00

Tool Information

Drill Pipe:	Length:	4030.00 ft	Diameter:	3.80 inches	Volume:	56.53 bbl	Tool Weight:	1000.00 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:	150.00 ft	Diameter:	2.25 inches	Volume:	0.74 bbl	Weight to Pull Loose:	80000.00 lb
					Total Volume:	57.27 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight: Initial	78000.00 lb
Depth to Top Packer:		4186.00 ft					Final	78000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		42.00 ft						
Tool Length:		64.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4169.00	
Hydrolic Tool	5.00			4174.00	
Safety Joint	2.00			4176.00	
Packer	5.00			4181.00	22.00 Bottom Of Top Packer
Packer	5.00			4186.00	
Anchor	37.00			4223.00	
Recorder	1.00	6731	Inside	4224.00	
Recorder	1.00	8159	Outside	4225.00	
Bullnose	3.00			4228.00	42.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18440

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.09.25 @ 14:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.60 in³

Resistivity: ohm.m

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

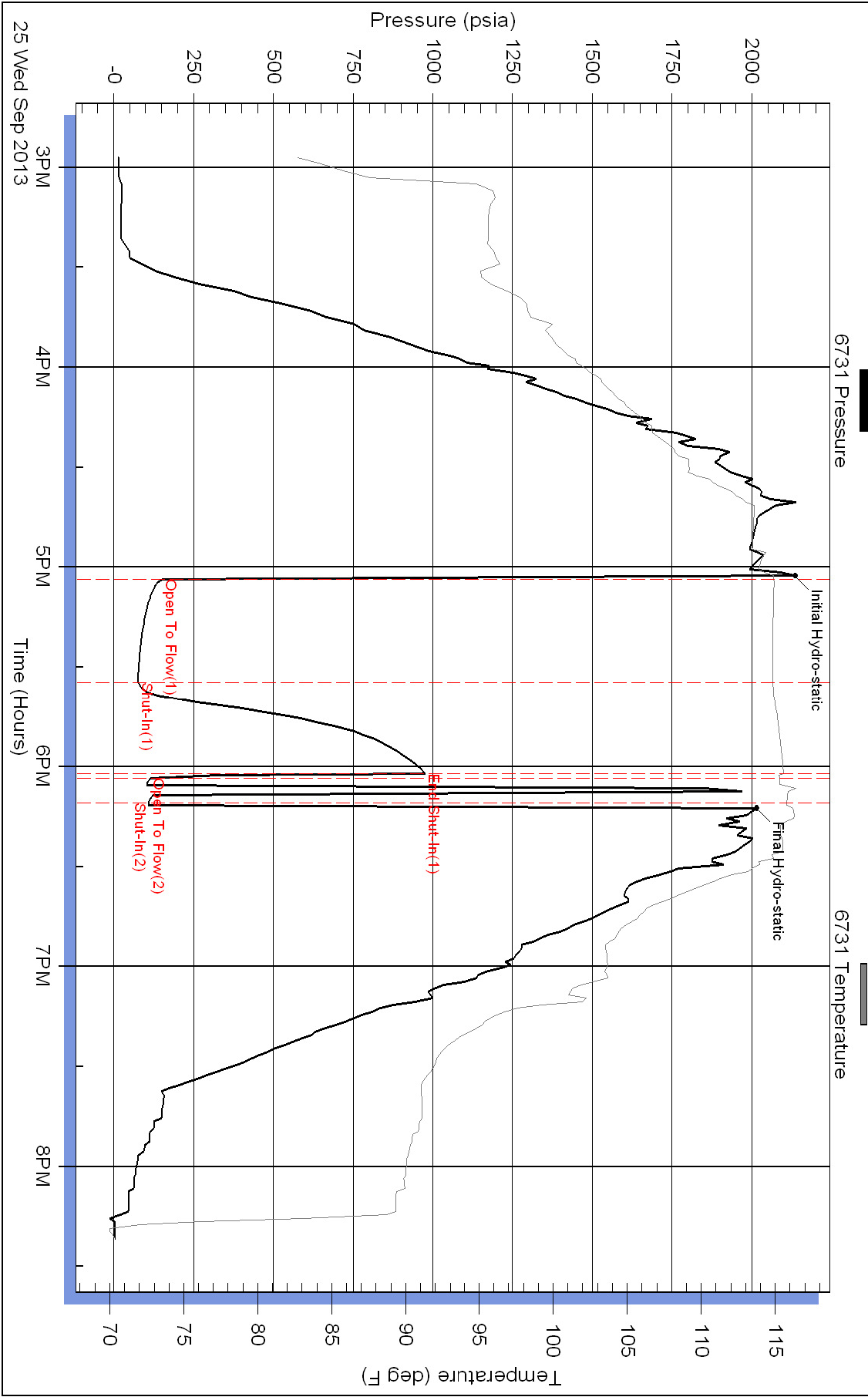
Serial #: 6731

Pickell Drillind Company

Rolf Trust "A" #1

DST Test Number: 1

Pressure vs. Time

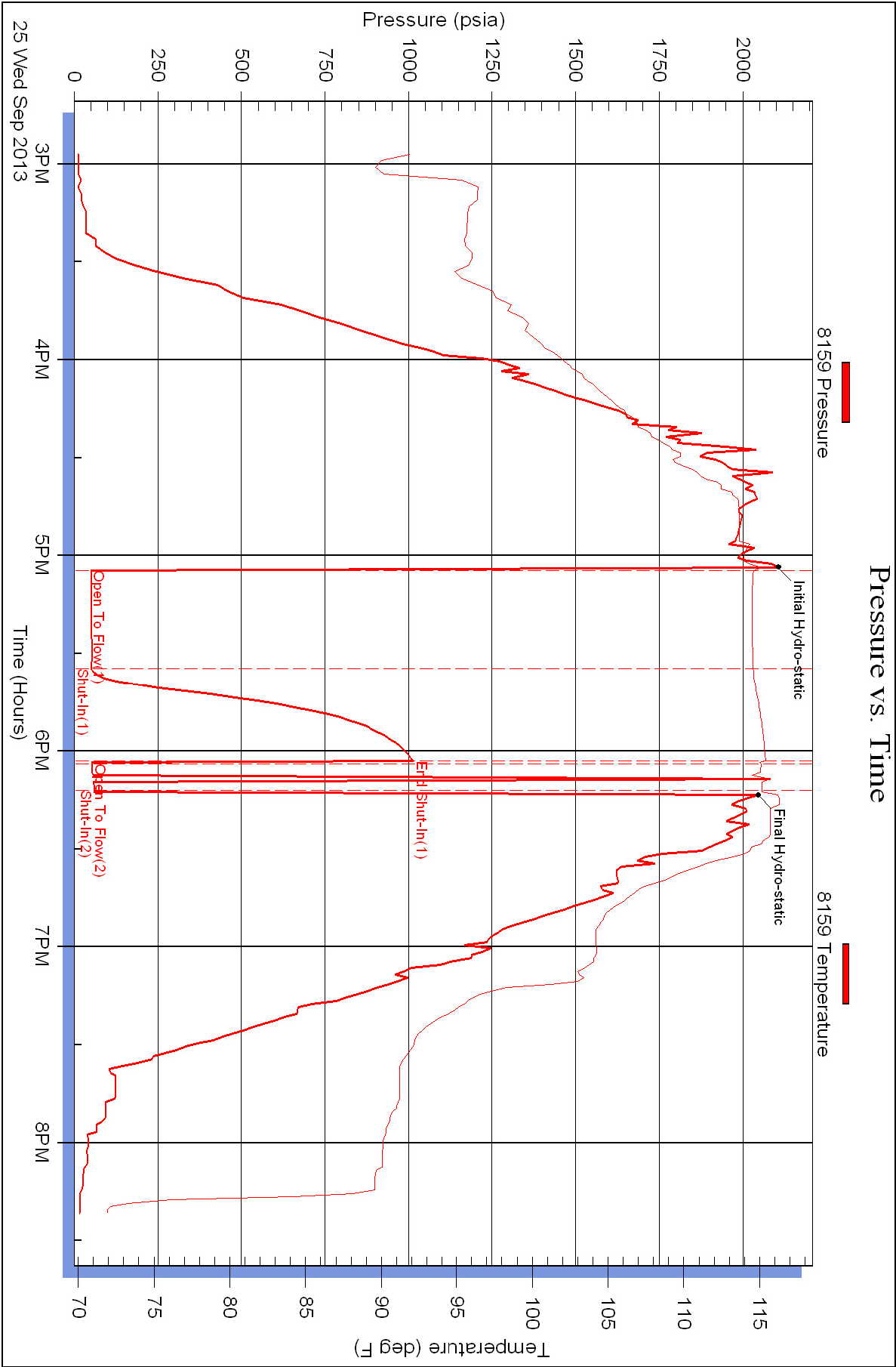


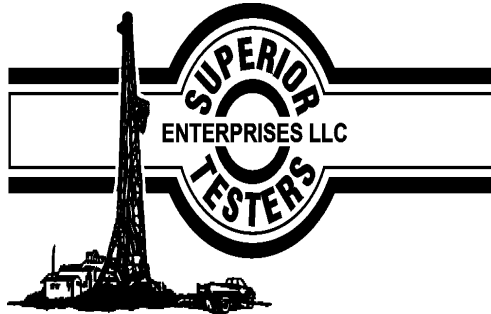
Serial #: 8159

Pickell Drillind Company

Rolf Trust "A" #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.26 @ 09:02:00

End Date: 2013.09.26 @ 13:42:00

Job Ticket #: 18441 DST #: 2

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

Printed: 2013.09.26 @ 13:56:28

Pickrell Drillind Company

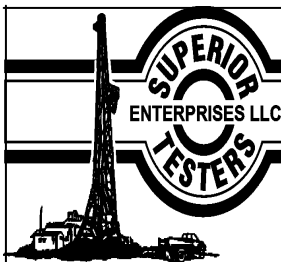
30-16-26w Ness

Rolf Trust "A" #1

DST # 2

Kansas City K & L zo

2013.09.26



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18441

DST#: 2

Test Start: 2013.09.26 @ 09:02:00

GENERAL INFORMATION:

Formation: **Kansas City K & L zo**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:30

Time Test Ended: 13:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 33209-Great Bend-200

Interval: 4226.00 ft (KB) To 4295.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 105.33 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.26

End Date:

2013.09.26

Last Calib.:

2013.09.26

Start Time: 09:02:00

End Time:

13:42:00

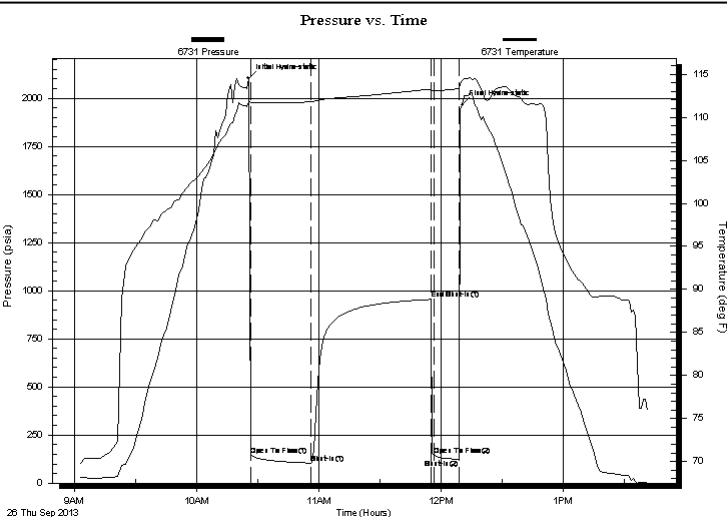
Time On Btm:

2013.09.26 @ 10:25:30

Time Off Btm:

2013.09.26 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into water in 30 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 10 Minutes-Very weak surge did not build
2nd Shut-in- Pull tool



PRESSURE SUMMARY

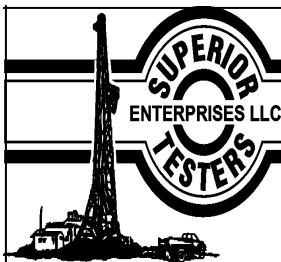
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2102.50	111.78	Initial Hydro-static
1	147.28	111.64	Open To Flow (1)
31	105.33	111.78	Shut-In(1)
90	954.22	113.29	End Shut-In(1)
91	142.70	113.07	Open To Flow (2)
104	123.33	113.33	Shut-In(2)
105	1964.16	114.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.30

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18441

DST#:2

Test Start: 2013.09.26 @ 09:02:00

GENERAL INFORMATION:

Formation: **Kansas City K & L zo**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:30

Time Test Ended: 13:42:00

Interval: 4226.00 ft (KB) To 4295.00 ft (KB) (TVD)

Total Depth: 4295.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 33209-Great Bend-200

Reference Elevations: 2669.00 ft (KB)

2661.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 946.24 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.26

End Date: 2013.09.26

Last Calib.: 2013.09.26

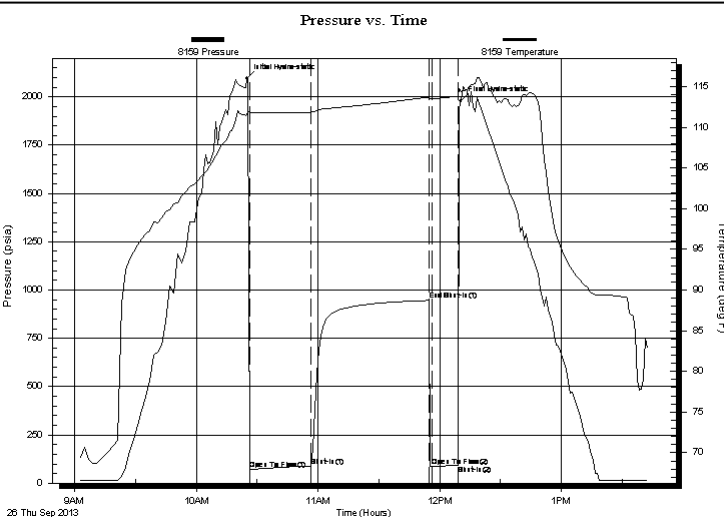
Start Time: 09:02:00

End Time: 13:42:30

Time On Btm: 2013.09.26 @ 10:25:00

Time Off Btm: 2013.09.26 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into water in 30 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 10 Minutes-Very weak surge did not build
2nd Shut-in- Pull tool



PRESSURE SUMMARY

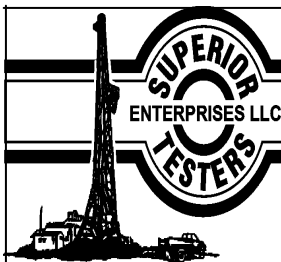
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2094.49	111.53	Initial Hydro-static
2	70.79	111.78	Open To Flow (1)
32	88.91	111.85	Shut-In(1)
90	946.24	113.72	End Shut-In(1)
91	87.32	113.51	Open To Flow (2)
104	92.71	113.85	Shut-In(2)
106	1978.81	114.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.30

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18441

DST#:2

ATTN: Jerry Smith

Test Start: 2013.09.26 @ 09:02:00

Tool Information

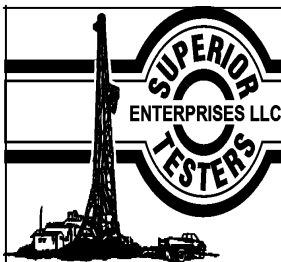
Drill Pipe:	Length:	4060.00 ft	Diameter:	3.80 inches	Volume:	56.95 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	150.00 ft	Diameter:	2.25 inches	Volume:	0.74 bbl	Weight to Pull Loose:	110000.0 lb
					Total Volume:	57.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight: Initial	80000.00 lb
Depth to Top Packer:		4226.00 ft					Final	80000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		69.00 ft						
Tool Length:		97.00 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			4203.00		
Hydrolic Tool	5.00			4208.00		
Jars	6.00			4214.00		
Safety Joint	2.00			4216.00		
Packer	5.00			4221.00	28.00	Bottom Of Top Packer
Packer	5.00			4226.00		
Anchor	0.00			4226.00		
Change Over Sub	0.75			4226.75		
Drill Pipe	31.50			4258.25		
Change Over Sub	0.75			4259.00		
Anchor	31.00			4290.00		
Recorder	1.00	6731	Inside	4291.00		
Recorder	1.00	8159	Outside	4292.00		
Bullnose	3.00			4295.00	69.00	Bottom Packers & Anchor

Total Tool Length: 97.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18441

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.09.26 @ 09:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

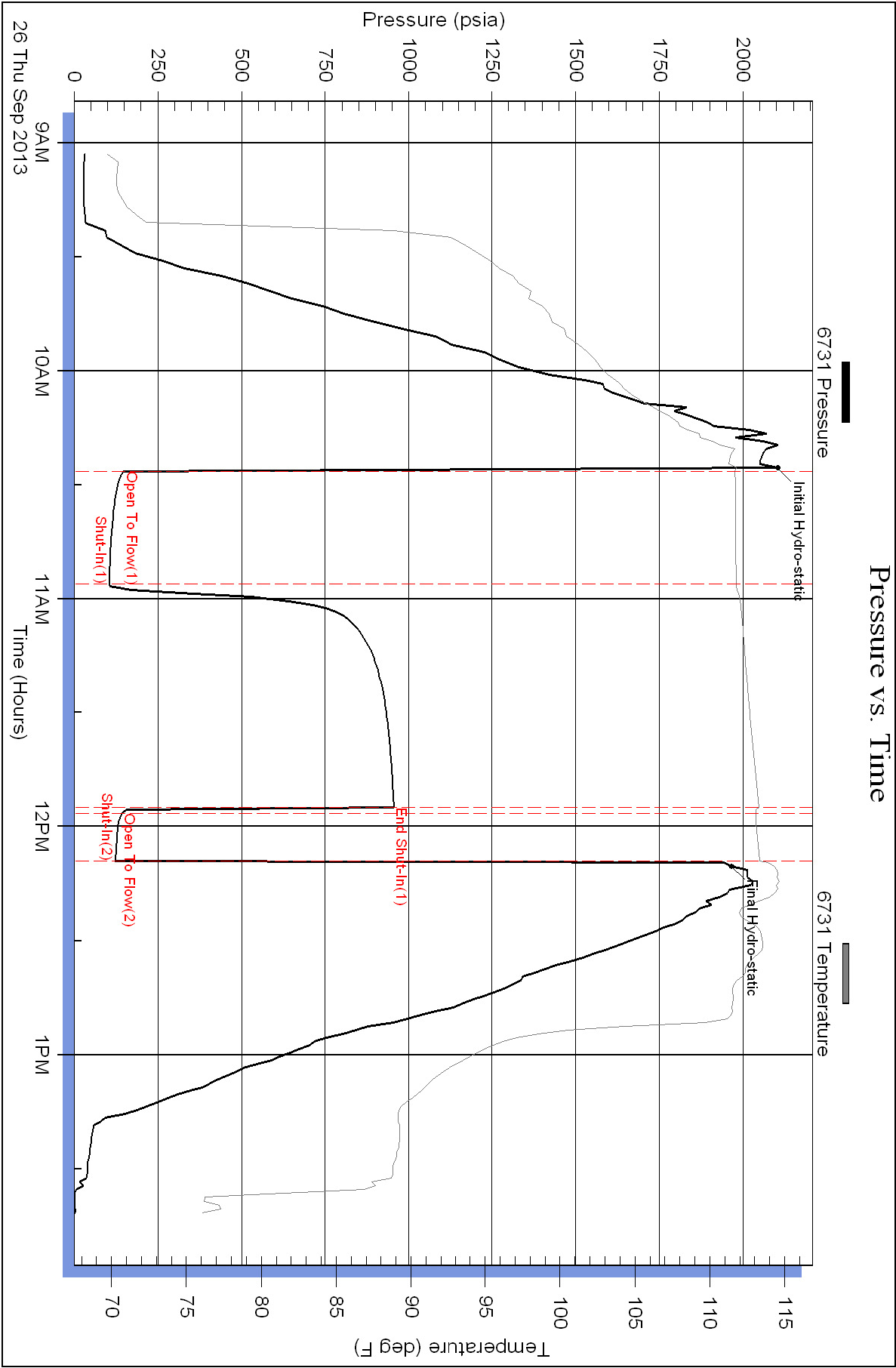
Num Gas Bombs: 0

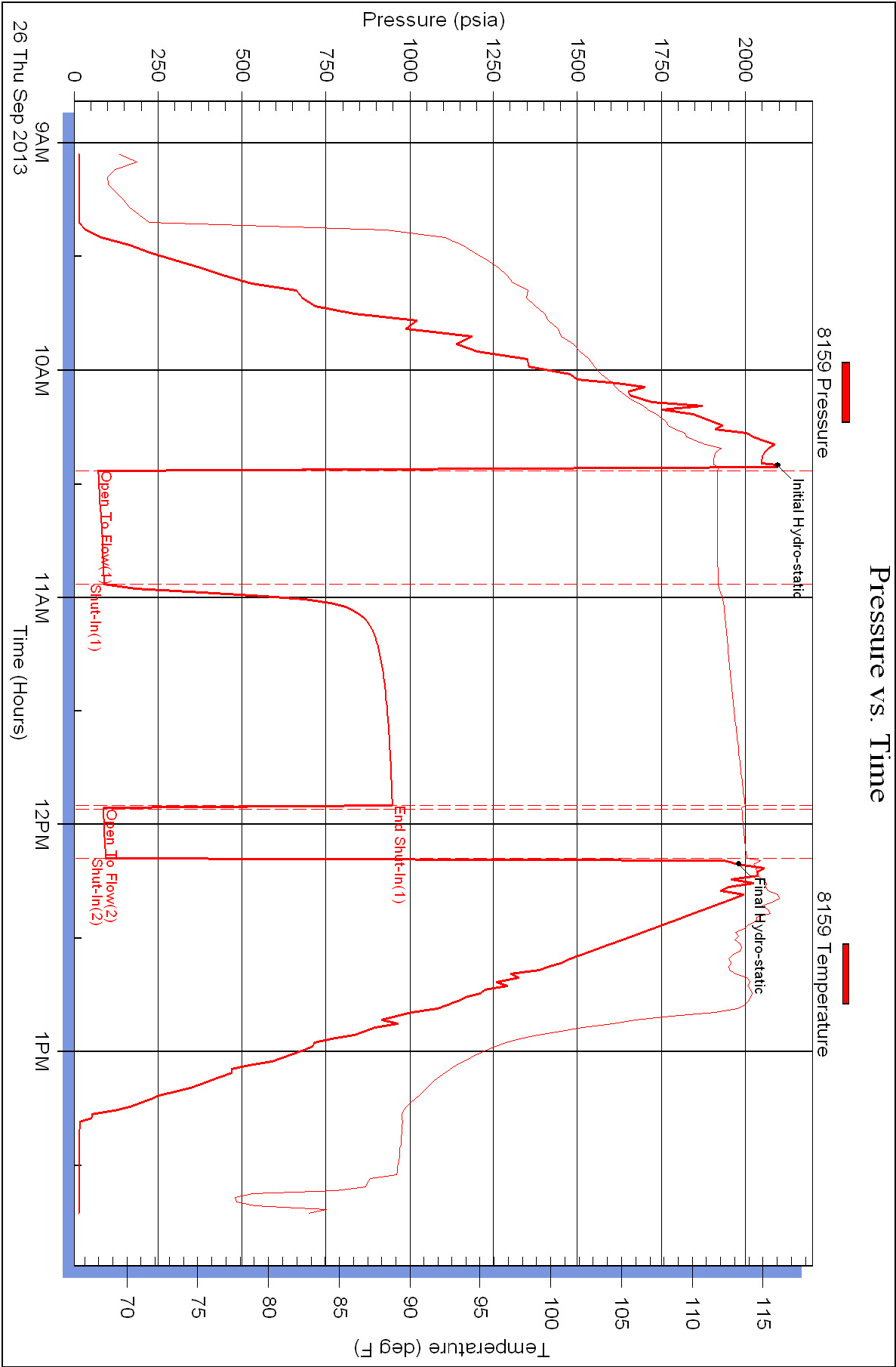
Serial #:

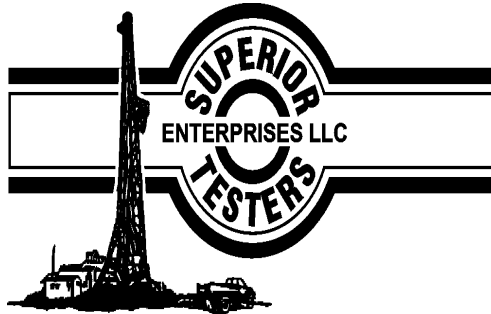
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

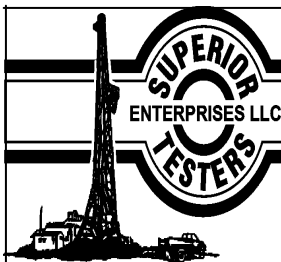
Start Date: 2013.09.27 @ 22:15:00

End Date: 2013.09.28 @ 06:57:30

Job Ticket #: 18442 DST #: 3

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

Printed: 2013.09.28 @ 07:13:55



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18442

DST#: 3

Test Start: 2013.09.27 @ 22:15:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:00

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4450.00 ft (KB) To 4512.00 ft (KB) (TVD)

Total Depth: 4512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2669.00 ft (KB)

2661.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 313.74 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.27

End Date:

2013.09.28

Last Calib.:

2013.09.28

Start Time: 22:15:00

End Time:

06:57:30

Time On Btm:

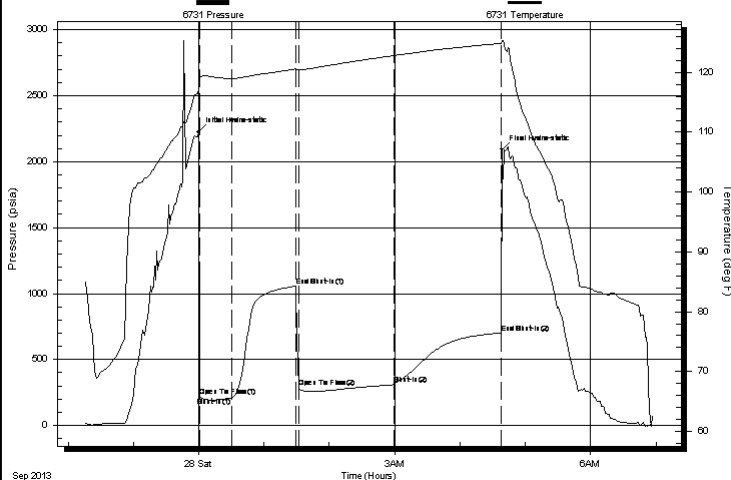
2013.09.27 @ 23:59:30

Time Off Btm:

2013.09.28 @ 04:38:30

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 18 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 90 Minutes-Strong blow built bottom of bucket in 10 minutes
2nd Shut-in 90 Minutes-Yes blow back

Pressure vs. Time



PRESSURE SUMMARY

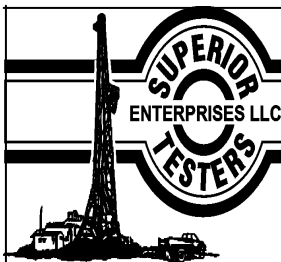
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2224.56	117.24	Initial Hydro-static
2	218.24	119.25	Open To Flow (1)
31	210.22	119.01	Shut-In (1)
90	1056.81	120.60	End Shut-In (1)
92	293.49	120.42	Open To Flow (2)
180	313.74	122.81	Shut-In (2)
278	703.16	124.84	End Shut-In (2)
279	2091.90	125.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud cut gassy oil	2.84
0.00	20%mud 20%oil 60%gas	0.00
300.00	mud cut gassy oil	4.21
0.00	20%mud 40%oil 40%gas	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18442

DST#: 3

Test Start: 2013.09.27 @ 22:15:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:00

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4450.00 ft (KB) To 4512.00 ft (KB) (TVD)

Total Depth: 4512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2669.00 ft (KB)

2661.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 693.02 psia @ ft (KB)

Start Date: 2013.09.27

End Date:

2013.09.28

Start Time: 22:15:00

End Time:

06:57:00

Capacity: 5000.00 psia

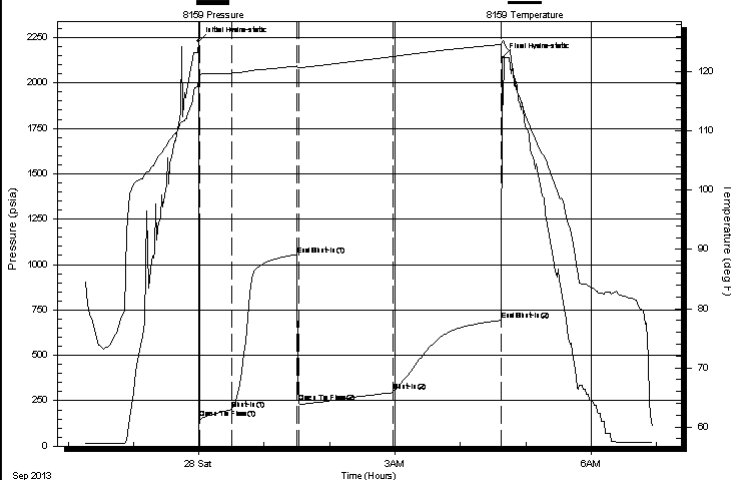
Last Calib.: 2013.09.28

Time On Btm: 2013.09.27 @ 23:59:30

Time Off Btm: 2013.09.28 @ 04:38:30

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 18 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 90 Minutes-Strong blow built bottom of bucket in 10 minutes
2nd Shut-in 90 Minutes-Yes blow back

Pressure vs. Time



PRESSURE SUMMARY

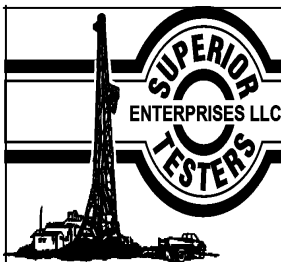
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2229.73	118.64	Initial Hydro-static
2	151.13	119.62	Open To Flow (1)
31	201.97	119.80	Shut-In(1)
91	1055.64	121.01	End Shut-In(1)
92	240.41	120.76	Open To Flow (2)
179	300.32	122.61	Shut-In(2)
278	693.02	124.63	End Shut-In(2)
279	2139.07	125.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud cut gassy oil	2.84
0.00	20%mud 20%oil 60%gas	0.00
300.00	mud cut gassy oil	4.21
0.00	20%mud 40%oil 40%gas	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18442

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.09.27 @ 22:15:00

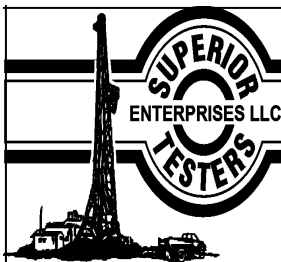
Tool Information

Drill Pipe:	Length:	4282.00 ft	Diameter:	3.80 inches	Volume:	60.07 bbl	Tool Weight:	1000.00 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:	150.00 ft	Diameter:	2.25 inches	Volume:	0.74 bbl	Weight to Pull Loose:	120000.0 lb
					Total Volume:	60.81 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	90000.00 lb
Depth to Top Packer:		4450.00 ft					Final	90000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		62.00 ft						
Tool Length:		90.00 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			4427.00	
Hydrolic Tool	5.00			4432.00	
Jars	6.00			4438.00	
Safety Joint	2.00			4440.00	
Packer	5.00			4445.00	28.00 Bottom Of Top Packer
Packer	5.00			4450.00	
Anchor	0.00			4450.00	
Change Over Sub	0.75			4450.75	
Drill Pipe	31.50			4482.25	
Change Over Sub	0.75			4483.00	
Anchor	24.00			4507.00	
Recorder	1.00	6731	Inside	4508.00	
Recorder	1.00	8159	Outside	4509.00	
Bullnose	3.00			4512.00	62.00 Bottom Packers & Anchor

Total Tool Length: 90.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18442

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.09.27 @ 22:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	mud cut gassy oil	2.842
0.00	20%mud 20%oil 60%gas	0.000
300.00	mud cut gassy oil	4.208
0.00	20%mud 40%oil 40%gas	0.000

Total Length: 600.00 ft

Total Volume: 7.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

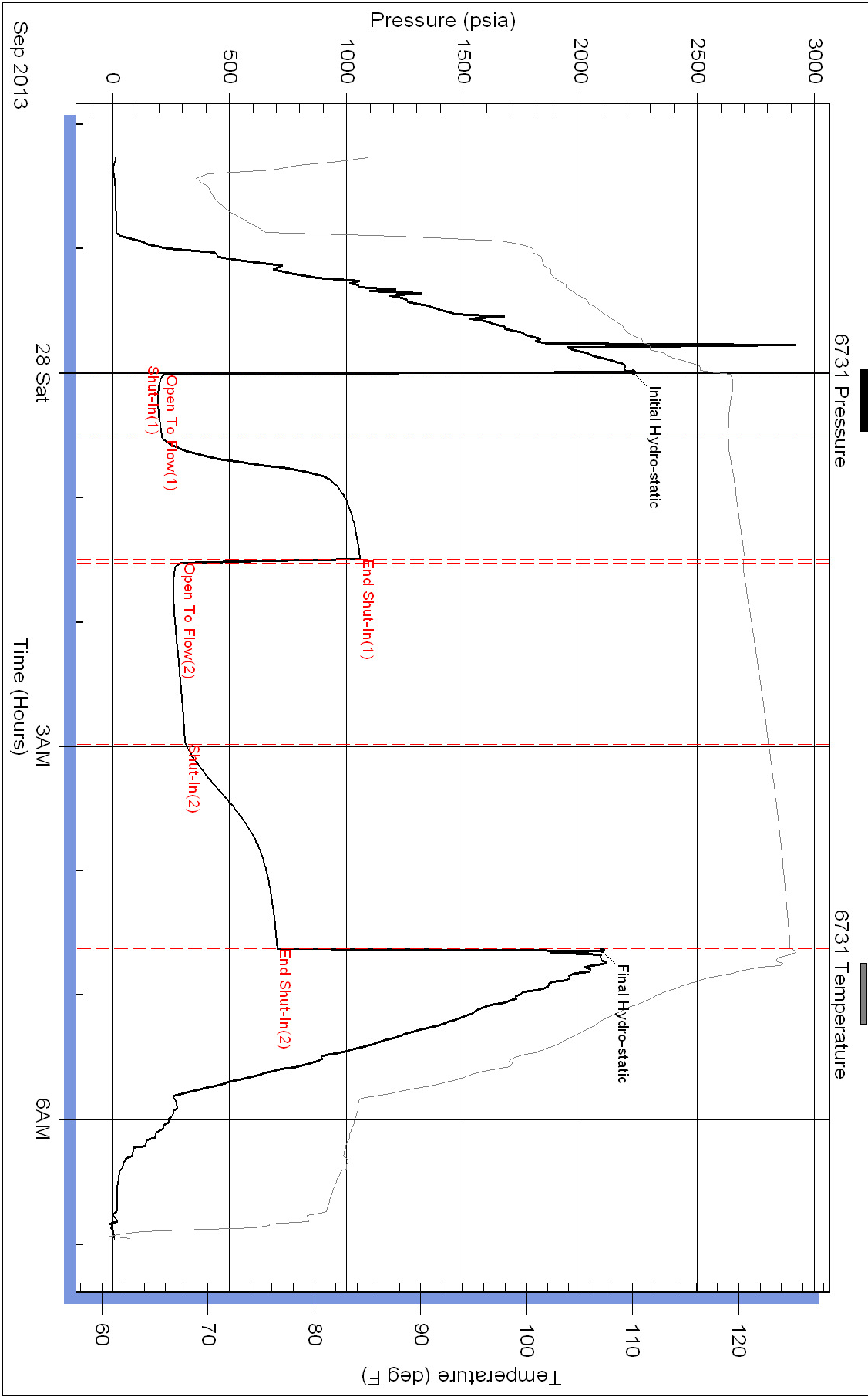
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

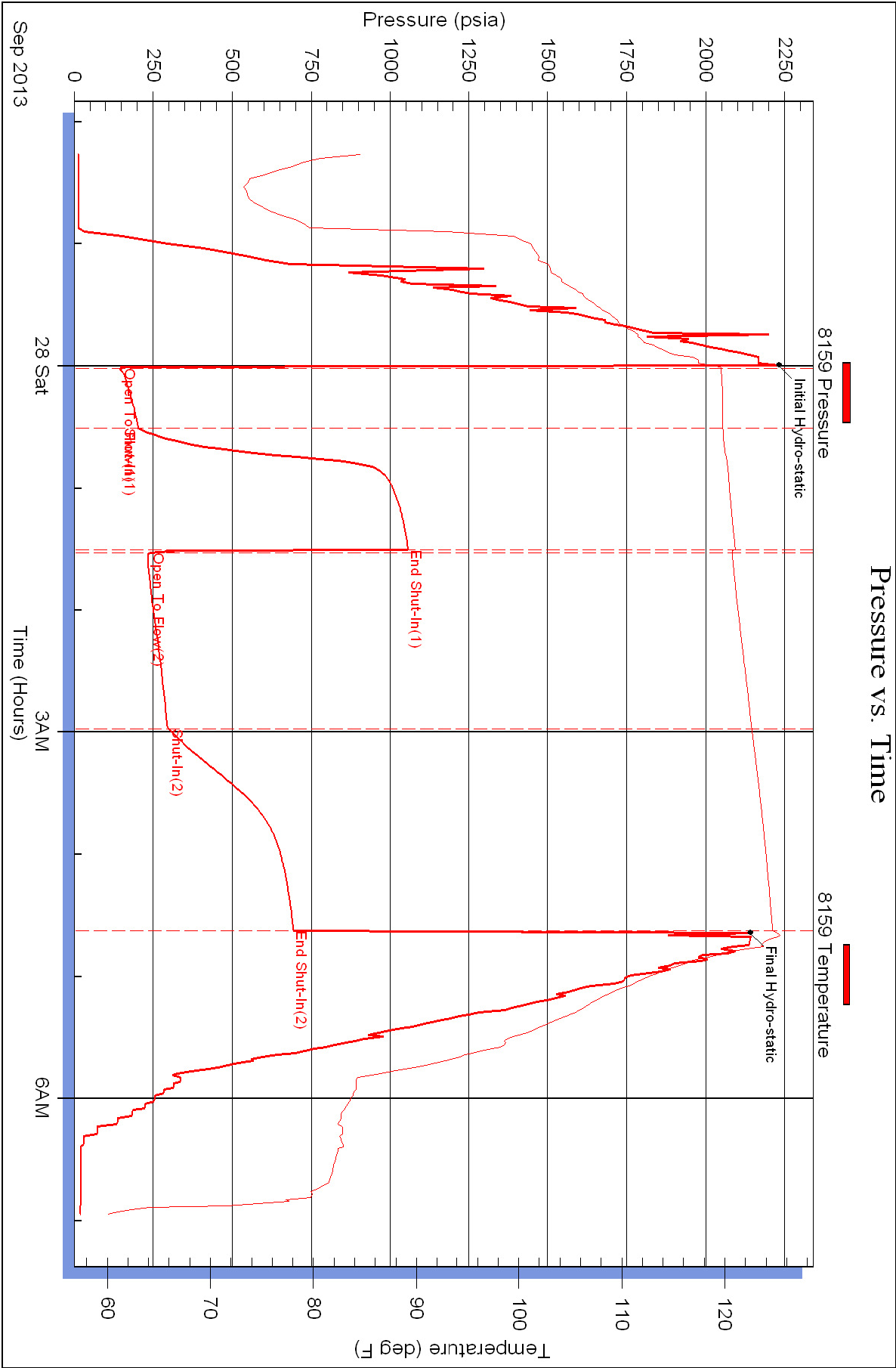


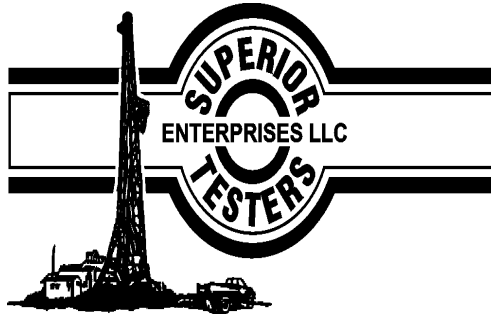
Serial #: 8159

Pickell Drillind Company

Rolf Trust "A" #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

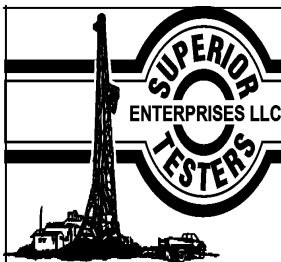
Start Date: 2013.09.28 @ 21:45:00

End Date: 2013.09.29 @ 05:05:00

Job Ticket #: 18443 DST #: 4

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

Printed: 2013.09.29 @ 05:29:34



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18443

DST#: 4

Test Start: 2013.09.28 @ 21:45:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:30

Time Test Ended: 05:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -200

Interval: 4525.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 161.95 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.28

End Date:

2013.09.29

Last Calib.:

2013.09.29

Start Time: 21:45:00

End Time:

05:05:00

Time On Btm:

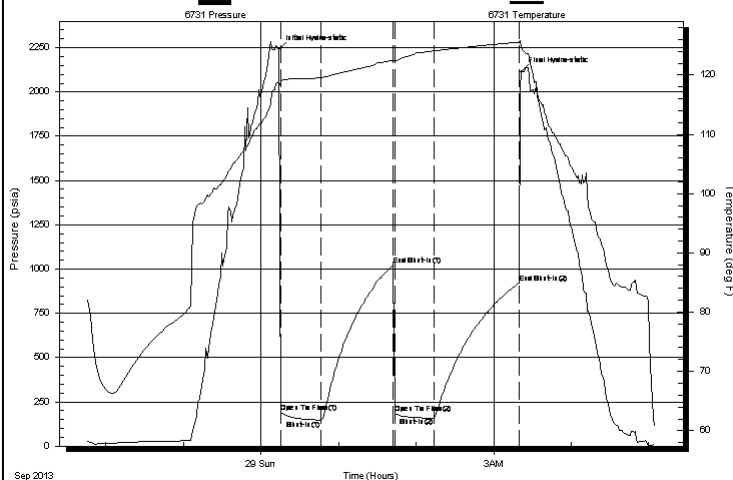
2013.09.29 @ 00:14:00

Time Off Btm:

2013.09.29 @ 03:21:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 30 Minutes-Weak blow built 1/4 inch into water in 30 minutes
2nd Shut-in 60 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

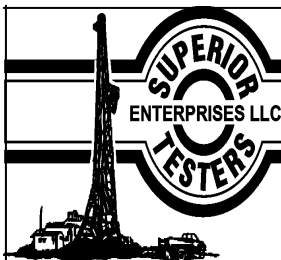
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2240.80	118.74	Initial Hydro-static
2	192.98	118.88	Open To Flow (1)
33	147.67	119.58	Shut-In(1)
89	1023.55	122.47	End Shut-In(1)
90	186.54	122.30	Open To Flow (2)
120	161.95	124.08	Shut-In(2)
186	923.07	125.53	End Shut-In(2)
188	2114.51	124.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud	0.74

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18443

DST#: 4

Test Start: 2013.09.28 @ 21:45:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:30

Time Test Ended: 05:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -200

Interval: 4525.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 932.44 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.28

End Date:

2013.09.29

Last Calib.:

2013.09.29

Start Time: 21:45:00

End Time:

05:06:00

Time On Btm:

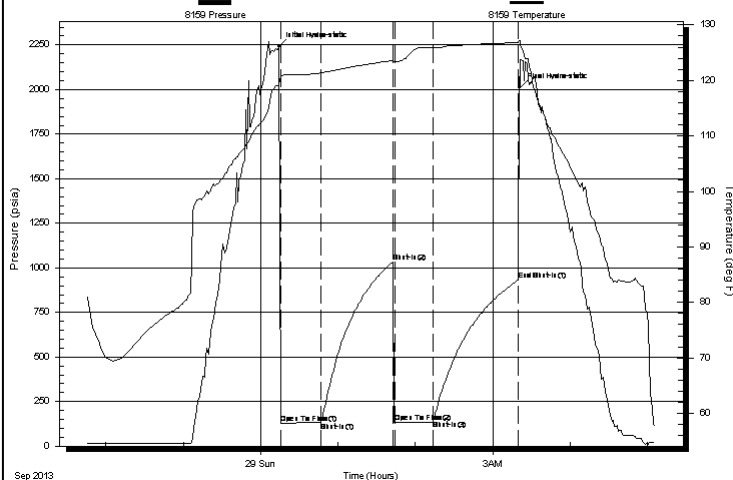
2013.09.29 @ 00:14:30

Time Off Btm:

2013.09.29 @ 03:21:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
1st Shut-in 60 Minutes-No blow back
2nd Opening 30 Minutes-Weak blow built 1/4 inch into water in 30 minutes
2nd Shut-in 60 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

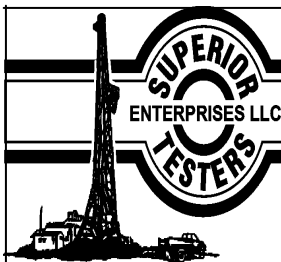
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2241.00	119.32	Initial Hydro-static
1	128.87	120.68	Open To Flow (1)
33	131.57	121.34	Shut-In(1)
88	1032.75	123.60	Shut-In(2)
90	131.71	123.34	Open To Flow (2)
120	146.08	125.84	Shut-In(3)
186	932.44	126.91	End Shut-In(1)
187	2010.52	127.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud	0.74

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18443

DST#: 4

ATTN: Jerry Smith

Test Start: 2013.09.28 @ 21:45:00

Tool Information

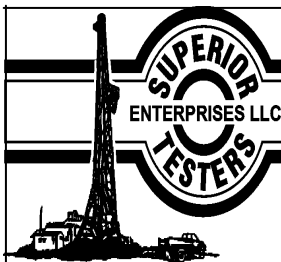
Drill Pipe:	Length:	4383.00 ft	Diameter:	3.80 inches	Volume:	61.48 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	150.00 ft	Diameter:	2.25 inches	Volume:	0.74 bbl	Weight to Pull Loose:	150000.0 lb
					Total Volume:	62.22 bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	93000.00 lb
Depth to Top Packer:		4525.00 ft					Final	93000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		85.00 ft						
Tool Length:		107.00 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			4508.00		
Hydrolic Tool	5.00			4513.00		
Safety Joint	2.00			4515.00		
Packer	5.00			4520.00	22.00	Bottom Of Top Packer
Packer	5.00			4525.00		
Anchor	0.00			4525.00		
Change Over Sub	0.75			4525.75		
Drill Pipe	63.50			4589.25		
Change Over Sub	0.75			4590.00		
Anchor	15.00			4605.00		
Recorder	1.00	6731	Inside	4606.00		
Recorder	1.00	8159	Outside	4607.00		
Bullnose	3.00			4610.00	85.00	Bottom Packers & Anchor

Total Tool Length: 107.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18443

DST#: 4

ATTN: Jerry Smith

Test Start: 2013.09.28 @ 21:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 5.60 in³

Resistivity: ohm.m

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	mud	0.738

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

