

15-145-21598

5-20s-16w



DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL STE 100
WICHITA KS 67206

ATTN: RENE

5-20-16

MOTLEY 1-5

Start Date: 2009.11.13 @ 20:00:00

End Date: 2009.11.14 @ 03:54:30

Job Ticket #: 16815 DST #: 1

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

Printed: 2009.11.13 @ 03:25:52

F.G HOLL COMPANY L.L.C
MOTLEY 1-5
5-20-16
DST # 1
ARBUCKLE
2009.11.13



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16815

DST#: 1

ATTN: RENE

Test Start: 2009.11.13 @ 20:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 22:10:00

Time Test Ended: 03:54:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 43 M GB

Interval: 3675.00 ft (KB) To 3766.00 ft (KB) (TVD)

Total Depth: 3766.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2047.00 ft (KB)

2039.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8419

Inside

Press@RunDepth: 281.34 psia @ 3761.00 ft (KB)

Start Date: 2009.11.13

End Date:

2009.11.14

Capacity: 5000.00 psia

Last Calib.: 2009.11.13

Start Time: 20:00:00

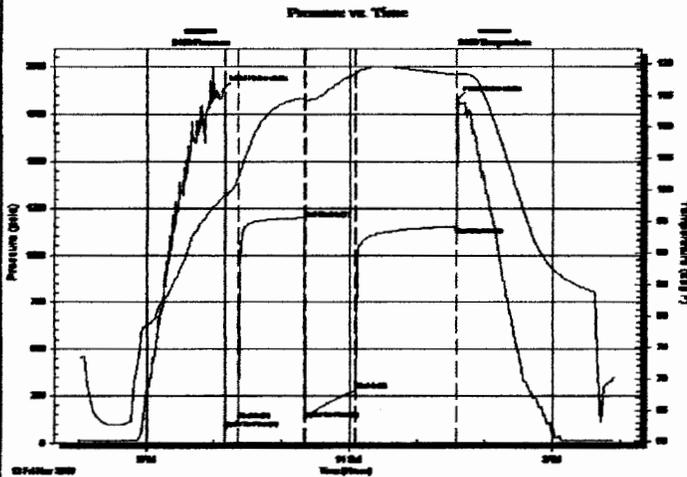
End Time:

03:54:30

Time On Btm: 2009.11.13 @ 22:08:00

Time Off Btm: 2009.11.14 @ 01:35:30

TEST COMMENT: 10-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 6 MINS
60-INITIAL SHUT IN WEAK BLOW BACK
45-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 5 MINS
90-FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1882.96	99.06	Initial Hydro-static
2	76.94	98.97	Open To Flow (1)
14	123.35	102.08	Shut-In(1)
72	1197.31	114.55	End Shut-In(1)
73	128.87	114.27	Open To Flow (2)
117	281.34	118.31	Shut-In(2)
207	1107.05	118.17	End Shut-In(2)
208	1830.07	118.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
800.00	GAS IN PIPE 100%GAS	11.70
380.00	MUD CUT GASSY OIL 30%G60%O10%	5.56
180.00	MUD CUT GASSY OIL 30%G40%O30%	2.63

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16815

DST#: 1

ATTN: RENE

Test Start: 2009.11.13 @ 20:00:00

Tool Information

Drill Pipe:	Length: 3655.00 ft	Diameter: 3.88 inches	Volume: 53.45 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: 53.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3675.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3655.00	
Shut-In Tool	5.00			3660.00	
Hydroic Tool	5.00			3665.00	
Packer	5.00			3670.00	21.00 Bottom Of Top Packer
Packer	5.00			3675.00	
Change Over Sub	0.75			3675.75	
Drill Pipe	62.50			3738.25	
Change Over Sub	0.75			3739.00	
Perforations	22.00			3761.00	
Recorder	0.00	8419	Inside	3761.00	
Recorder	0.00	4143	Outside	3761.00	
Bullnose	5.00			3766.00	91.00 Bottom Packers & Anchor

Total Tool Length: 112.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16815

DST#: 1

ATTN: RENE

Test Start: 2009.11.13 @ 20:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
800.00	GAS IN PIPE 100%GAS	11.699
380.00	MUD CUT GASSY OIL 30%G60%O10%M	5.557
180.00	MUD CUT GASSY OIL 30%G40%O30%M	2.632

Total Length: 1360.00 ft Total Volume: 19.888 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8419

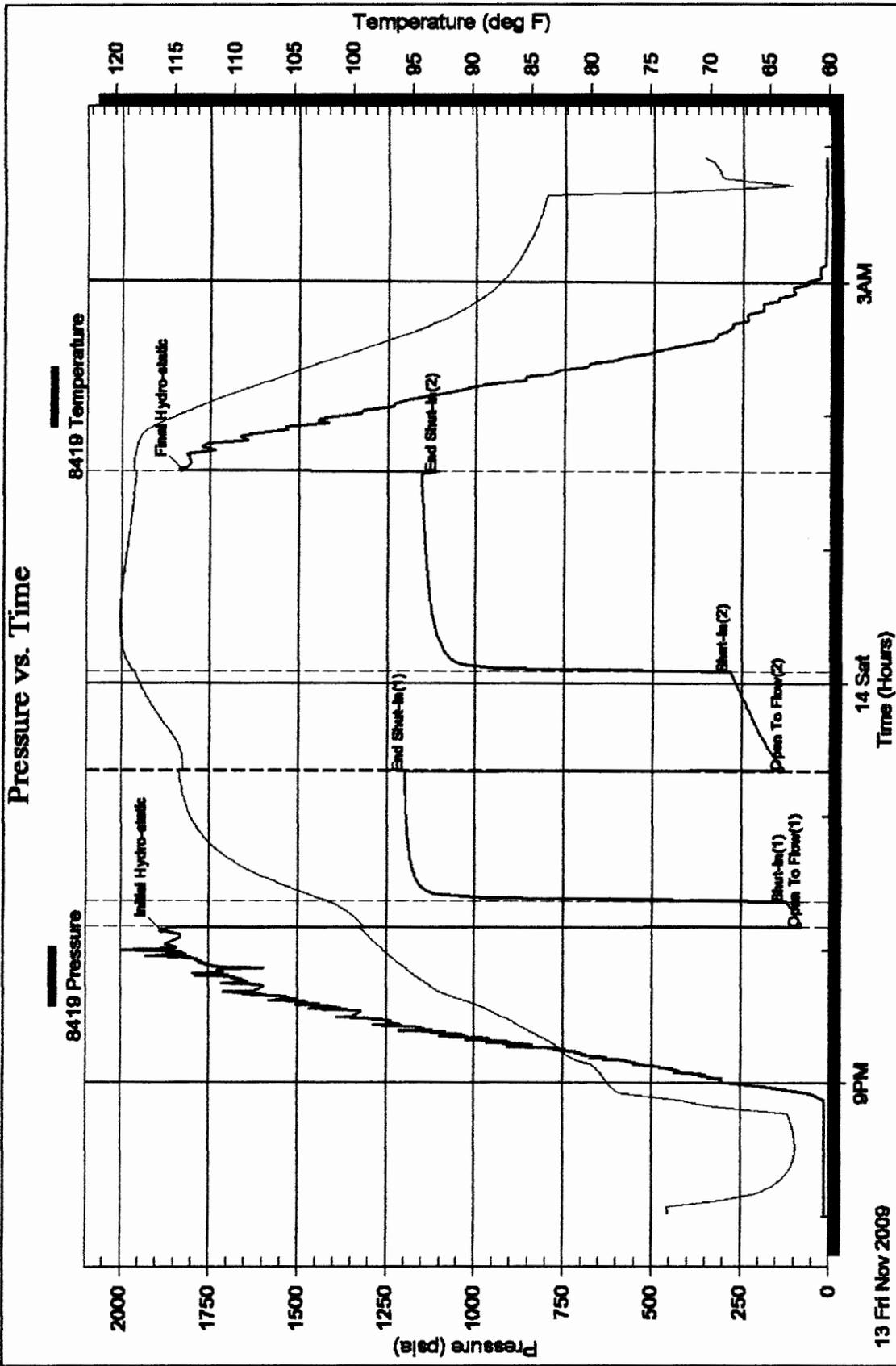
Inside

F.G.HOLL COMPANY L.L.C

5-20-16

DST Test Number: 1

Pressure vs. Time



13 Fri Nov 2009

9PM

14 Sat

3AM

Serial #: 4143

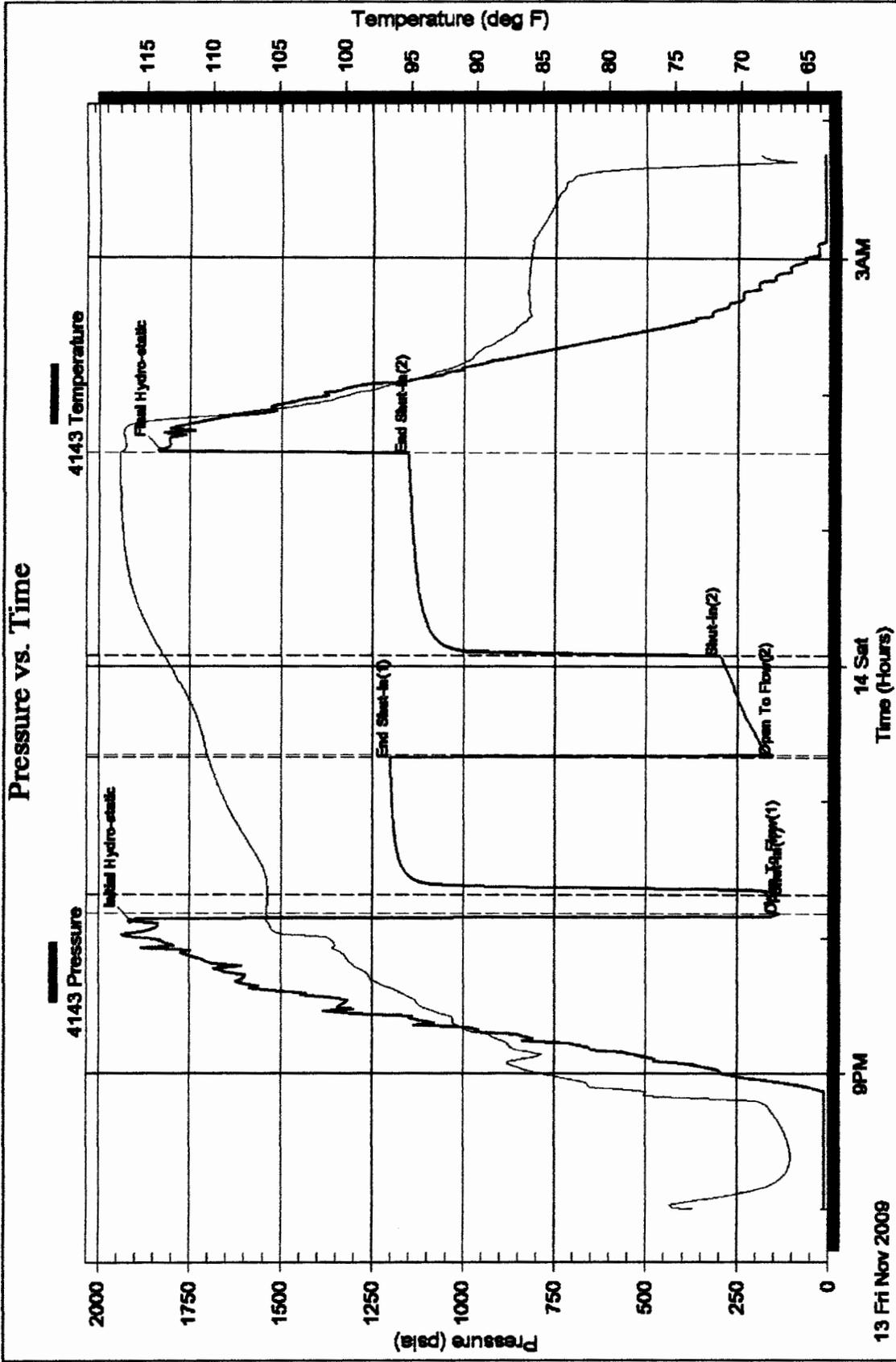
Outside

F.G.HOLL COMPANY L.L.C

5-20-16

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL STE 100
WICHITA KS 67206

ATTN: RENE

5-20-16

MOTLEY 1-5

Start Date: 2009.11.13 @ 10:00:00

End Date: 2009.11.13 @ 16:40:15

Job Ticket #: 16816 DST #: 2

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

Printed: 2009.11.13 @ 16:50:45

F.G HOLL COMPANY L.L.C
MOTLEY 1-5
5-20-16
DST # 2
ARBuckle
2009.11.13



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16816

DST#: 2

ATTN: RENE

Test Start: 2009.11.13 @ 10:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 16:40:15

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 42 M GB

Interval: 3767.00 ft (KB) To 3776.00 ft (KB) (TVD)

Total Depth: 3776.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2047.00 ft (KB)

2039.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 4143

Outside

Press@RunDepth: psia @ 3771.00 ft (KB)

Start Date: 2009.11.13

End Date:

2009.11.13

Capacity: 5000.00 psia

Last Calib.: 2009.11.13

Start Time: 10:00:00

End Time:

16:40:15

Time On Btm: 2009.11.13 @ 11:33:15

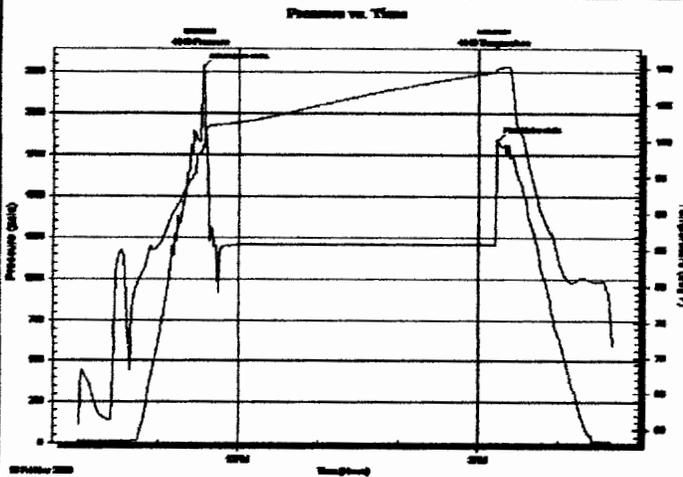
Time Off Btm: 2009.11.13 @ 15:13:46

TEST COMMENT: 15-INITIAL OPENING WEAK BLOW BUILT TO 2 INCHES INTO WATER

60-INITIAL SHUT IN NO BLOW BACK

45-FINAL OPENING VERY WEAK SURFACE BLOW

90-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2279.21	99.23	Initial Hydro-static
221	1836.73	109.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD 100%MUD	0.22

Gas Rates

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



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16816

DST#: 2

ATTN: RENE

Test Start: 2009.11.13 @ 10:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MUD 100%MUD	0.219

Total Length: 15.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16816

DST#: 2

ATTN: RENE

Test Start: 2009.11.13 @ 10:00:00

Tool Information

Drill Pipe:	Length: 3751.00 ft	Diameter: 3.88 inches	Volume: 54.86 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:	70000.00 lb
			Total Volume: 54.86 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3767.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	30.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments: TOOL SLIDE TO BOTTOM 3 FEET					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3747.00	
Shut-In Tool	5.00			3752.00	
Hydroic Tool	5.00			3757.00	
Packer	5.00			3762.00	21.00 Bottom Of Top Packer
Packer	5.00			3767.00	
Perforations	4.00			3771.00	
Recorder	0.00	8419	Inside	3771.00	
Recorder	0.00	4143	Outside	3771.00	
Bullnose	5.00			3776.00	9.00 Bottom Packers & Anchor
Total Tool Length:	30.00				

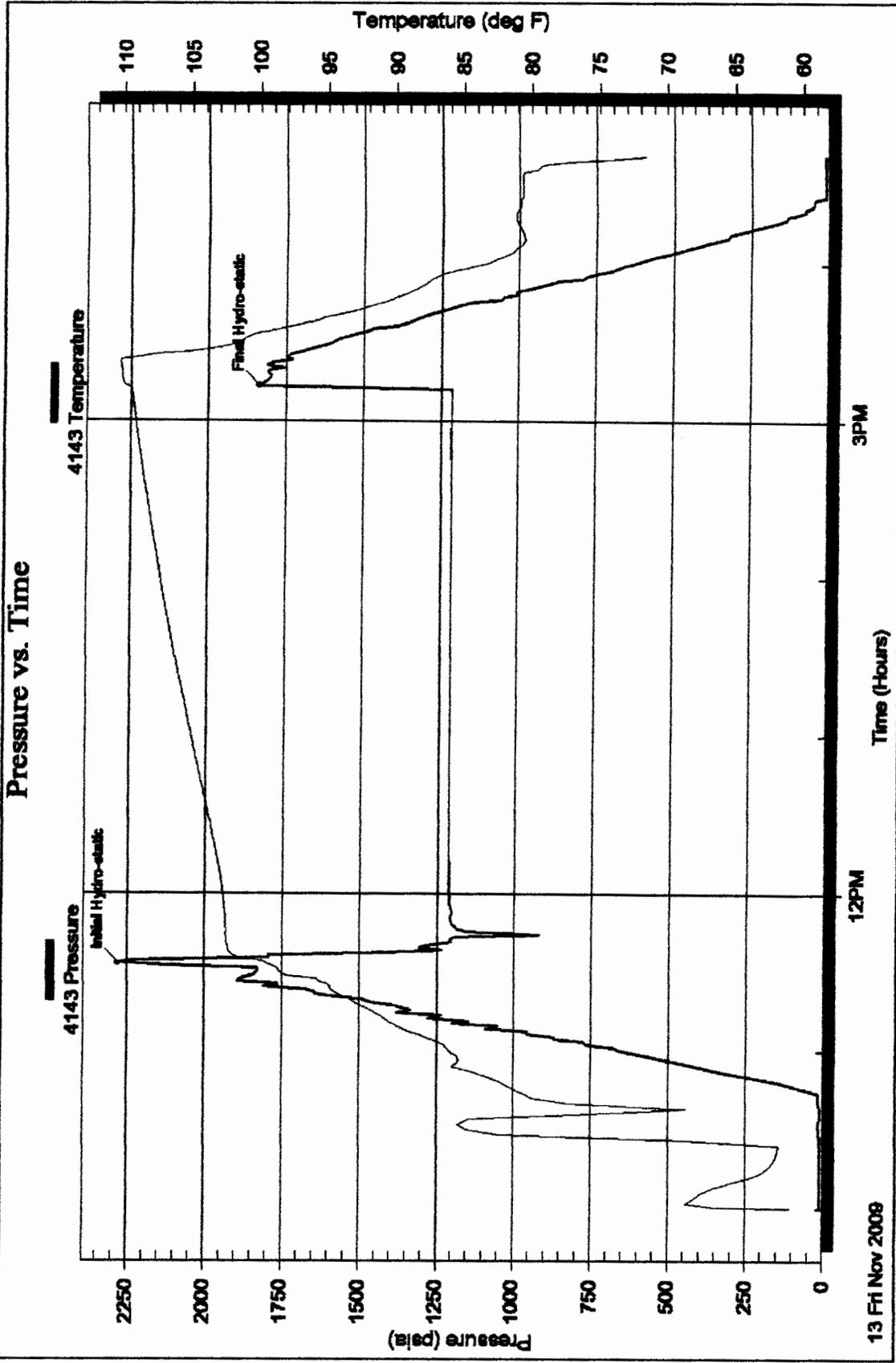
Serial #: 4143

Outside F.G.HOLL COMPANY L.L.C

5-20-16

DST Test Number: 2

Pressure vs. Time



13 Fri Nov 2009

12PM

3PM

Time (Hours)

Superior Testers Enterprises LLC

Ref. No: 16816

Printed: 2009.11.13 @ 16:50:47

Serial #: 8419

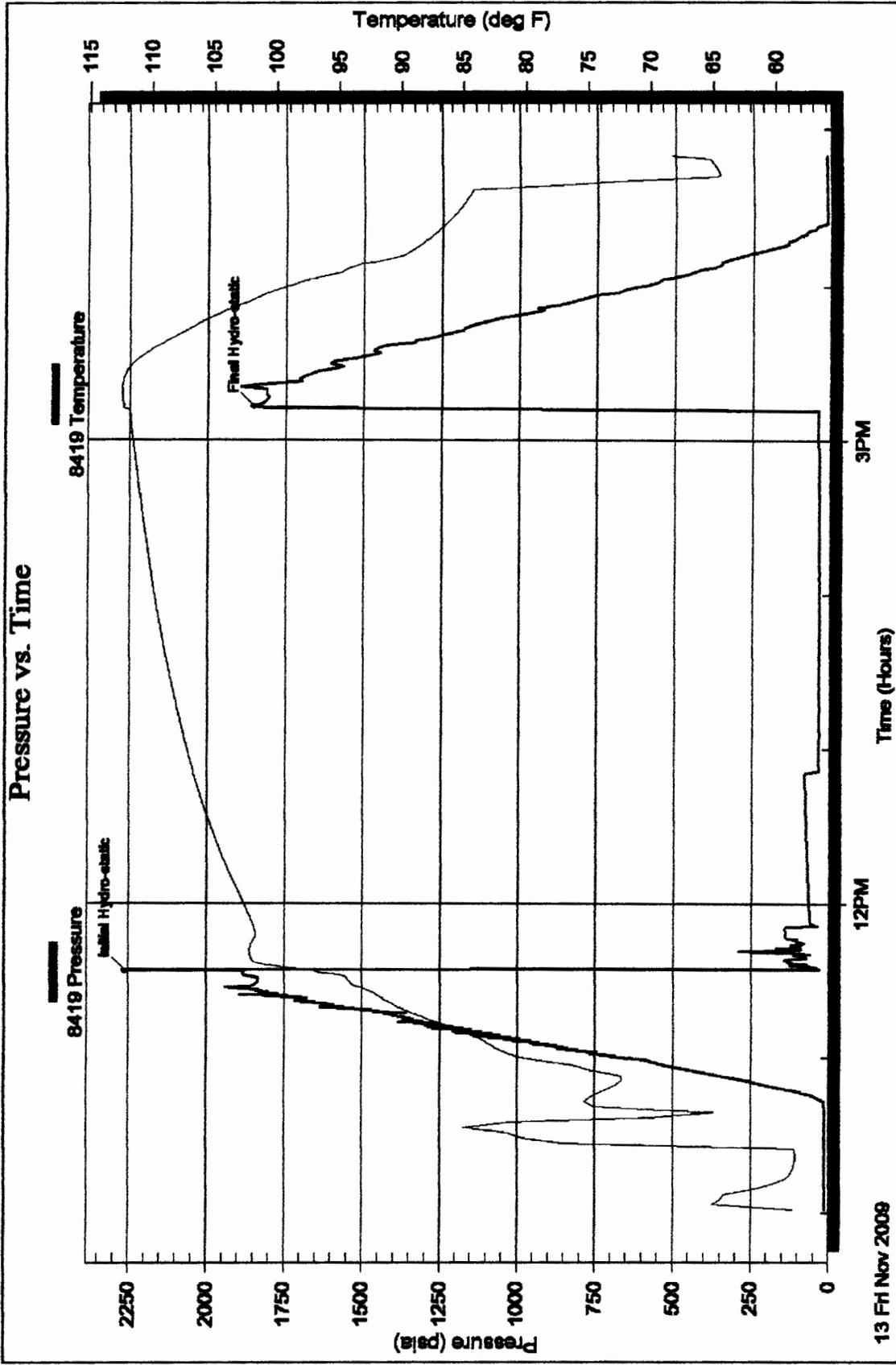
Inside

F.G HOLL COMPANY L.L.C

5-20-16

DST Test Number: 2

Pressure vs. Time



13 Fri Nov 2009

12PM

3PM

Time (Hours)

8419 Pressure

8419 Temperature

Initial Hydro-elastic

Final Hydro-elastic

Temperature (deg F)

Pressure (psia)



DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL STE 100
WICHITA KS 67206

ATTN: RENE

5-20-16

MOTLEY 1-5

Start Date: 2009.11.14 @ 23:00:00

End Date: 2009.11.15 @ 04:44:16

Job Ticket #: 16817 DST #: 3

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

Printed: 2009.11.14 @ 05:30:16

F.G HOLL COMPANY L.L.C MOTLEY 1-5 5-20-16 DST # 3 ARBUCKLE 2009.11.14



DRILL STEM TEST REPORT

F.G HOLL COMPANY LLC

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16817

DST#: 3

ATTN: RENE

Test Start: 2009.11.14 @ 23:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:28:16

Time Test Ended: 04:44:16

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 42 M GB

Interval: **3768.00 ft (KB) To 3778.00 ft (KB) (TVD)**

Total Depth: 3778.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2047.00 ft (KB)

2039.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 4143

Inside

Press@RunDepth: 96.76 psia @ 3773.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2009.11.14

End Date:

2009.11.15

Last Calib.: 2009.11.14

Start Time: 23:00:00

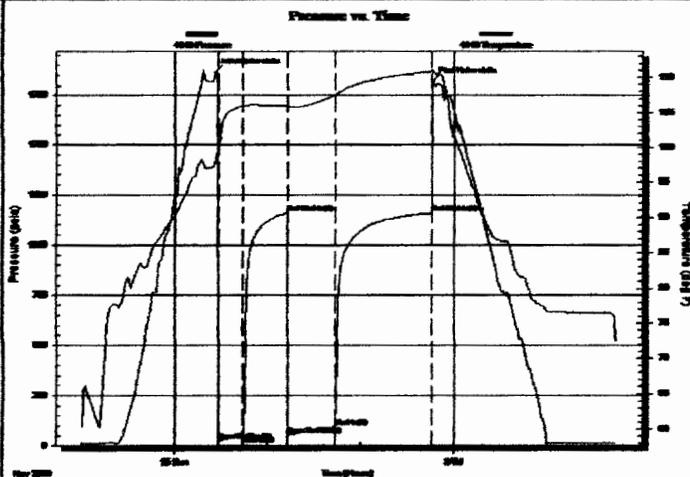
End Time:

04:44:16

Time On Btrr: 2009.11.15 @ 00:26:16

Time Off Btrr: 2009.11.15 @ 02:46:16

TEST COMMENT: 15-INITIAL OPENING WEAK SURFACE BLOW
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING NO BLOW FOR 10 MINS THEN BOTTOM OF THE BUCKET
60-FINAL SHUT IN WEAK BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1866.54	98.28	Initial Hydro-static
2	26.75	99.60	Open To Flow (1)
18	50.10	105.83	Shut-in (1)
47	1160.84	106.02	End Shut-in (1)
47	54.13	105.95	Open To Flow (2)
77	96.76	107.44	Shut-in (2)
139	1159.51	110.86	End Shut-in (2)
140	1819.77	111.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	GAS IN PIPE 100%GAS	5.26
180.00	GASSEY OIL 20%G80%O	2.63
30.00	OIL CUT MUD 60%O40%M	0.44

Gas Rates

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

DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16817

DST#: 3

ATTN: RENE

Test Start: 2009.11.14 @ 23:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 00:28:16

Time Test Ended: 04:44:16

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 42 MGB

Interval: 3768.00 ft (KB) To 3778.00 ft (KB) (TVD)

Total Depth: 3778.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2047.00 ft (KB)

2039.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8419

Outside

Press@RunDepth: 1164.44 psia @ 3773.00 ft (KB)

Start Date: 2009.11.14

End Date: 2009.11.15

Capacity: 5000.00 psia

Last Calib.: 2009.11.14

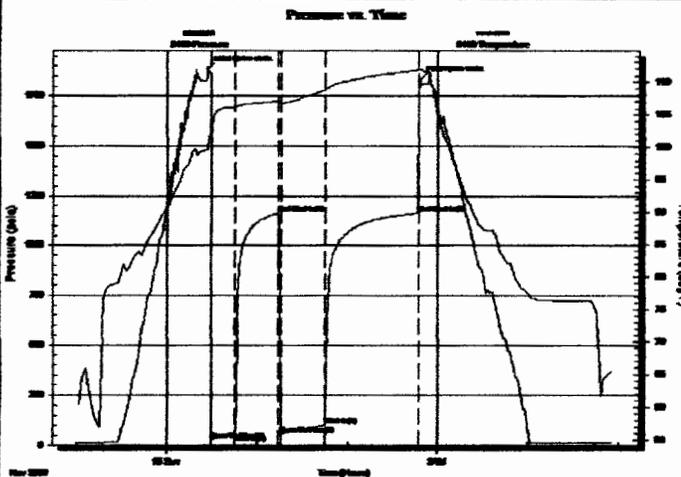
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End Time: 04:56:00

Time On Btmr: 2009.11.15 @ 00:27:00

Time Off Btmr: 2009.11.15 @ 02:48:00

TEST COMMENT: 15-INITIAL OPENING WEAK SURFACE BLOW
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING NO BLOW FOR 10 MINS THEN BOTTOM OF THE BUCKET
60-FINAL SHUT IN WEAK BLOW BACK



PRESSURE SUMMARY

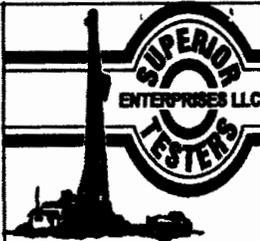
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1883.51	99.70	Initial Hydro-static
3	28.72	101.52	Open To Flow (1)
18	53.10	106.14	Shut-In(1)
47	1165.19	107.11	End Shut-In(1)
49	57.10	106.79	Open To Flow (2)
78	100.16	108.80	Shut-In(2)
140	1164.44	111.89	End Shut-In(2)
141	1831.29	112.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	GAS IN PIPE 100% GAS	5.26
180.00	GASSEY OIL 20% G 80% O	2.63
30.00	OIL CUT MUD 60% O 40% M	0.44

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16817

DST#: 3

ATTN: RENE

Test Start: 2009.11.14 @ 23:00:00

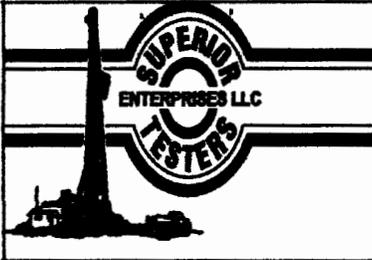
Tool Information

Drill Pipe:	Length: 3752.00 ft	Diameter: 3.88 inches	Volume: 54.87 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: 60000.00 lb
			<u>Total Volume: 54.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3768.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	26.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3753.00	
Shut-In Tool	5.00			3758.00	
Hydroic Tool	5.00			3763.00	
Packer	5.00			3768.00	16.00 Bottom Of Top Packer
Perforations	5.00			3773.00	
Recorder	0.00	4143	Inside	3773.00	
Recorder	0.00	8419	Outside	3773.00	
Bullnose	5.00			3778.00	10.00 Anchor Tool

Total Tool Length: 26.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20-16

Job Ticket: 16817

DST#: 3

ATTN: RENE

Test Start: 2009.11.14 @ 23:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	GAS IN PIPE 100%GAS	5.265
180.00	GASSEY OIL 20%G80%O	2.632
30.00	OIL CUT MUD 60%O40%M	0.439

Total Length: 570.00 ft Total Volume: 8.336 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 4143

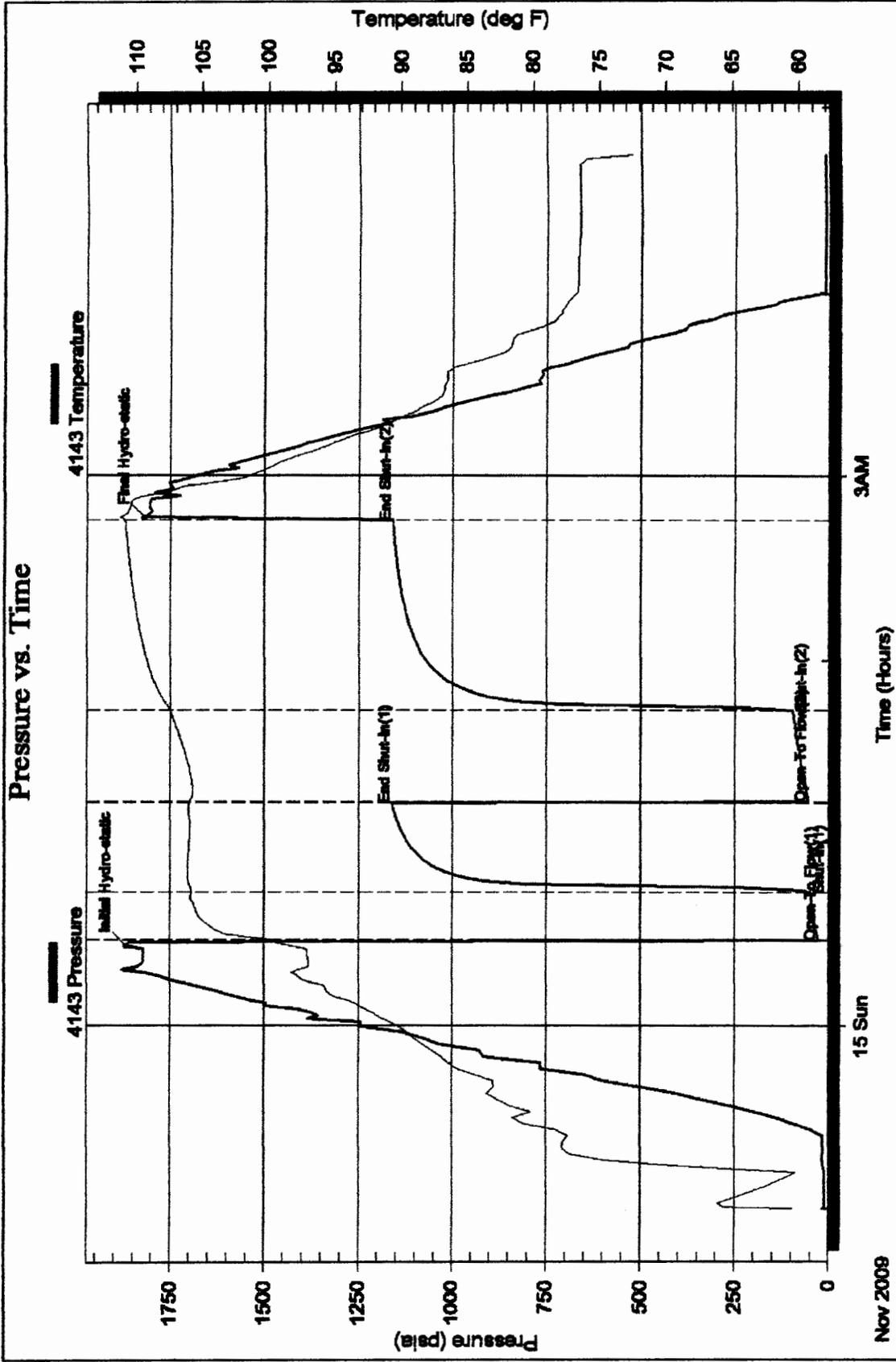
Inside

F.G HOLL COMPANY L.L.C

5-20-16

DST Test Number: 3

Pressure vs. Time



Printed: 2009.11.14 @ 05:30:19

Ref. No: 18817

Superior Testers Enterprises LLC

Serial #: 8419

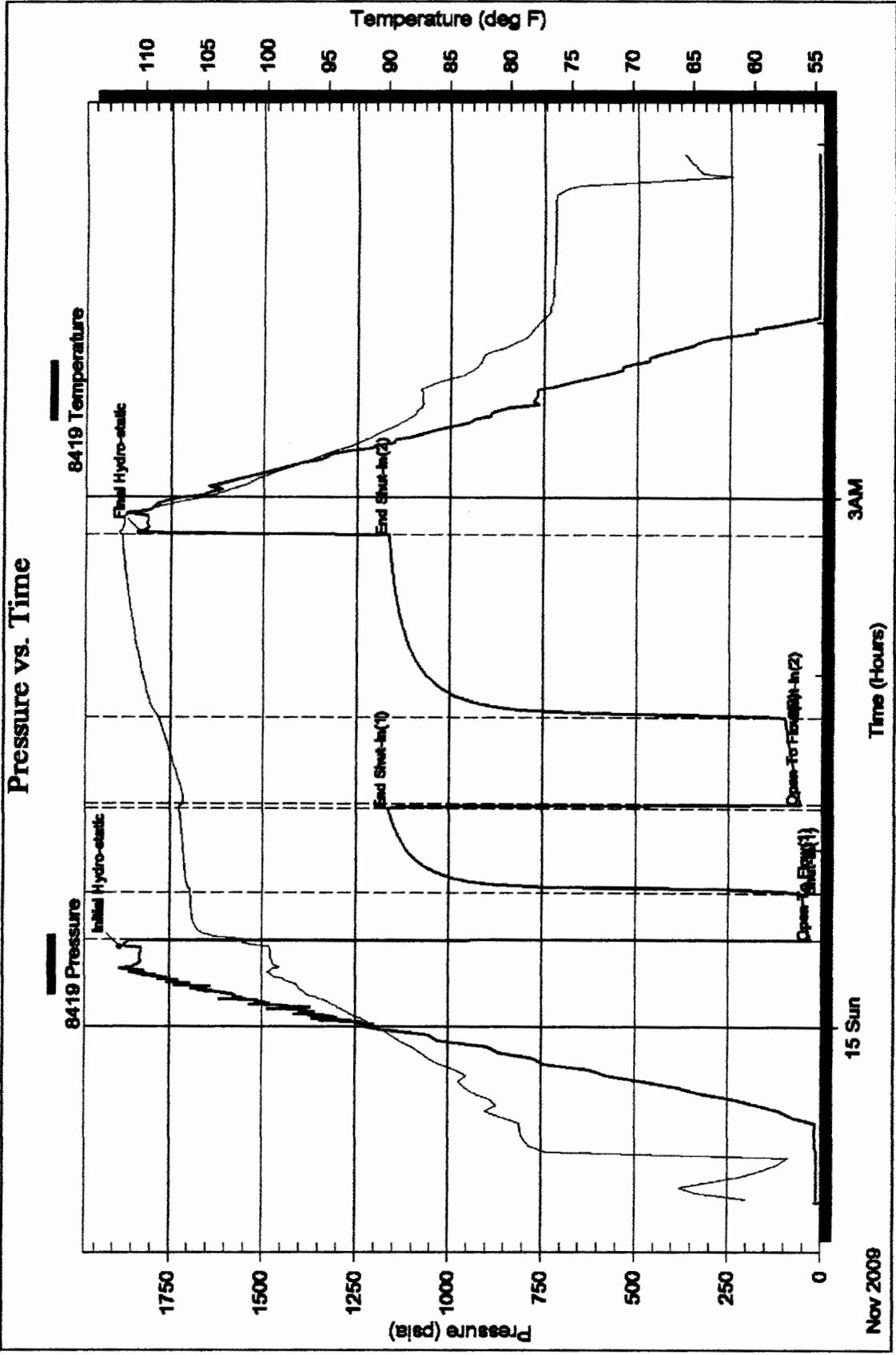
Outside

F.G HOLL COMPANY L.L.C

5-20-16

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL STE 100
WICHITA KS 67206

ATTN: RENE

5-20s-16w Pawnee

MOTLEY 1-5

Start Date: 2009.11.15 @ 08:15:00

End Date: 2009.11.16 @ 00:00:00

Job Ticket #: 16241 DST #: 4

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

Printed: 2009.11.16 @ 05:00:17

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

5-20s-16w Pawnee

DST # 4

Regan Sand

2009.11.16



DRILL STEM TEST REPORT

F.G HOLL COMPANY LLC

9431 E CENTRAL STE 100
WICHITA KS 67206

ATTN: RENE

MOTLEY 1-5

5-20s-16w Pawnee

Job Ticket: 16241

DST#: 4

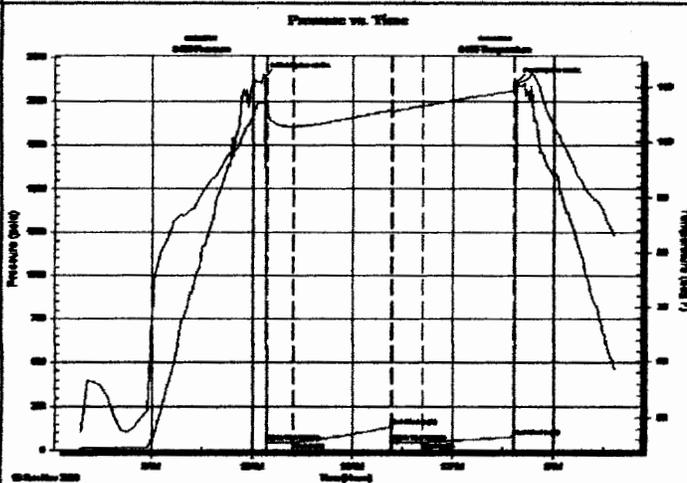
Test Start: 2009.11.15 @ 08:15:00

GENERAL INFORMATION:

Formation: **Regan Sand**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **3335-42**
 Interval: **4355.00 ft (KB) To 4385.00 ft (KB) (TVD)**
 Reference Elevations: **2047.00 ft (KB)**
2039.00 ft (CF)
 Total Depth: **4385.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GRVCF: **8.00 ft**

Serial #: **8405** Inside
 Press@RunDepth: **76.84 psia @ 4381.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2009.11.15** End Date: **2009.11.15** Last Call: **2009.11.16**
 Start Time: **08:15:00** End Time: **13:36:30** Time On Btm: **2009.11.15 @ 10:07:30**
 Time Off Btm: **2009.11.15 @ 12:38:00**

TEST COMMENT: 1st flow 15 Minutes weak blow for 14 minutes and died
 1st Shut-In 60 Minutes no blow back
 2nd flow 15 Minutes weak intermittent blow for 4 minutes and died
 2nd Shut-In 60 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2140.19	106.84	Initial Hydro-static
1	44.93	105.80	Open To Flow (1)
17	47.28	102.78	Shut-In(1)
76	136.35	105.80	End Shut-In(1)
76	47.04	105.74	Open To Flow (2)
95	47.77	106.56	Shut-In(2)
149	76.84	109.36	End Shut-In(2)
151	2113.43	110.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY LLC

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20s-16w Pawnee

Job Ticket: 16241

DST#: 4

ATTN: RENE

Test Start: 2009.11.15 @ 08:15:00

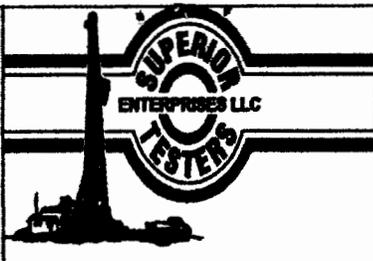
Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 10000.00 lb
			Total Volume: 60.91 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4355.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4327.00	
Shut-In Tool	5.00			4332.00	
Hydraulic Tool	5.00			4337.00	
Jars	6.00			4343.00	
Safety Joint	2.00			4345.00	
Packer	5.00			4350.00	29.00 Bottom Of Top Packer
Packer	5.00			4355.00	
Perforations	25.00			4380.00	
Recorder	1.00	8405	Inside	4381.00	
Recorder	1.00		Outside	4382.00	
Bullnose	3.00			4385.00	30.00 Bottom Packers & Anchor

Total Tool Length: 59.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

MOTLEY 1-5

9431 E CENTRAL STE 100
WICHITA KS 67206

5-20s-16w Pawnee

Job Ticket: 16241

DST#: 4

ATTN: RENE

Test Start: 2009.11.15 @ 08:15:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Drilling Mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8405

Inside

F.G.HOLL COMPANY L.L.C

5-20a-16w Pawnee

DST Test Number: 4

Pressure vs. Time

