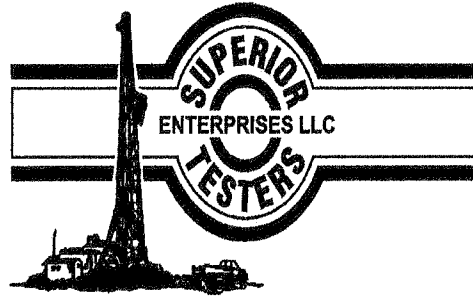


15-179-21248

32-8s-28w

IND



DRILL STEM TEST REPORT

Prepared For: **CASTLE RESOURCES INC**

BOX 87
SCHOENCHEN KS 67667

ATTN: JERRY GREEN

32-8S-28W SHERIDAN

CLARK#3

Start Date: 2010.04.27 @ 00:30:00

End Date: 2010.04.27 @ 02:08:30

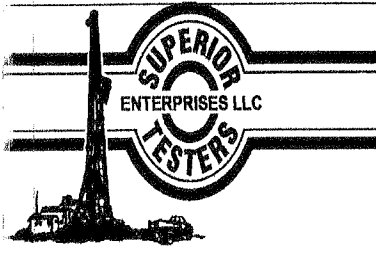
Job Ticket #: 16352 DST #: 1

RECEIVED
NOV 04 2010
KCC WICHITA

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

Printed: 2010.04.27 @ 19:37:43

CASTLE RESOURCES INC CLARK#3 32-8S-28W SHERIDAN DST # 1 HOWARD 2010.04.27



DRILL STEM TEST REPORT

TOOL DIAGRAM

CASTLE RESOURCES INC
 BOX 87
 SCHOENCHEN KS 67667
 ATTN: JERRY GREEN

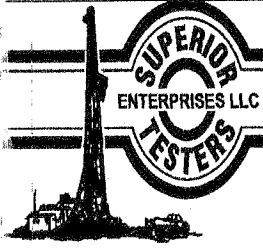
CLARK#3
32-8S-28W SHERIDAN
 Job Ticket: 16352 DST#: 1
 Test Start: 2010.04.27 @ 00:30:00

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.88 inches	Volume: 50.51 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	0.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: inches	Volume: 2914267 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 2914267 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	0.00 lb
Depth to Top Packer:	3502.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	44.00 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			3482.00	
Shut-In Tool	5.00			3487.00	
Hydroic Tool	5.00			3492.00	
Packer	5.00			3497.00	21.00 Bottom Of Top Packer
Packer	5.00			3502.00	
Perforations	18.00			3520.00	
Recorder	1.00	8400	Inside	3521.00	
Recorder	1.00	4143	Outside	3522.00	
Bullnose	3.00			3525.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16352 DST#: 1

ATTN: JERRY GREEN

Test Start: 2010.04.27 @ 00:30:00

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:	59.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.99 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

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

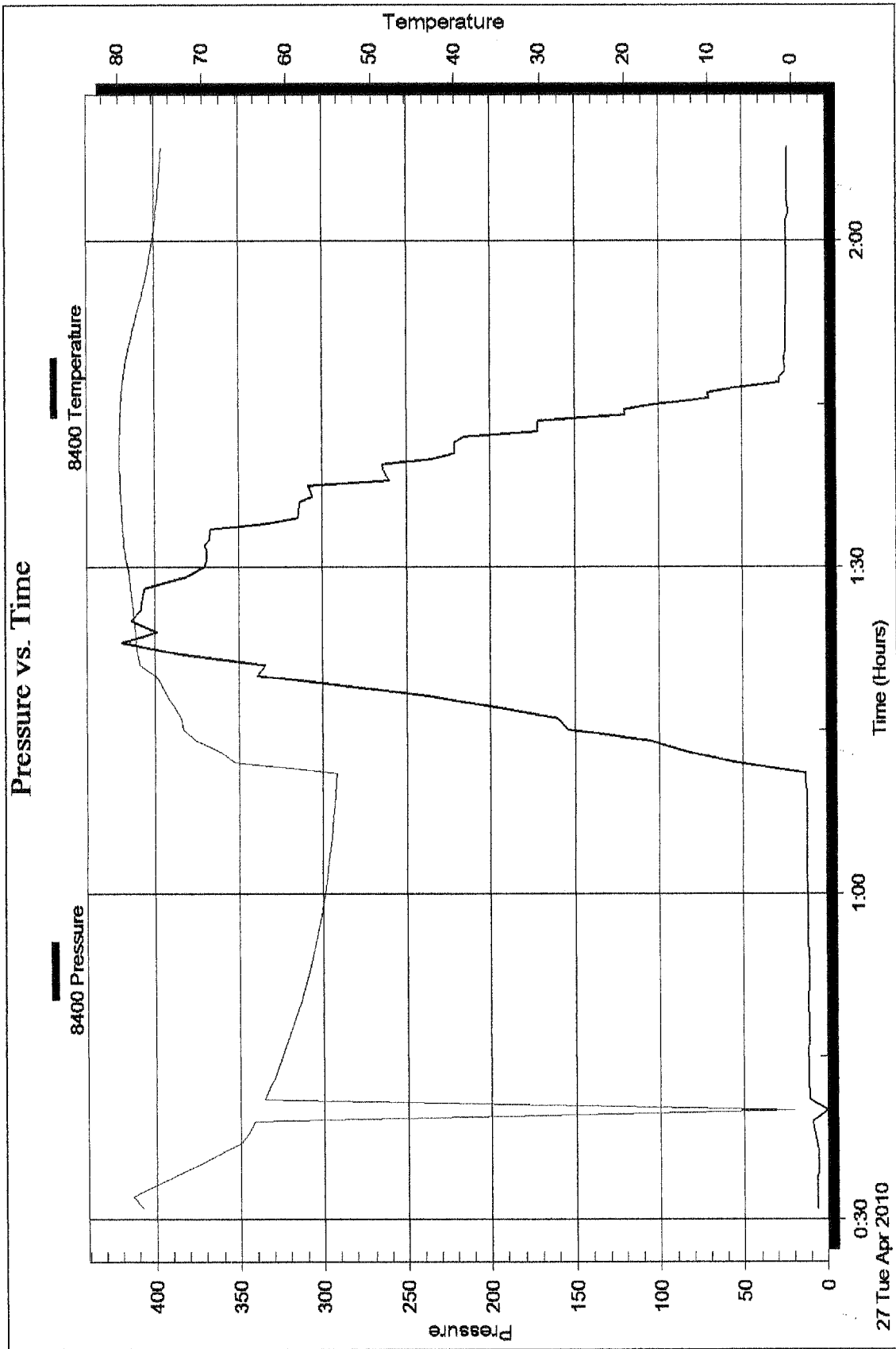
Serial #: 8400

inside

CASTLE RESOURCES INC

34-05-28W SHERIDAN

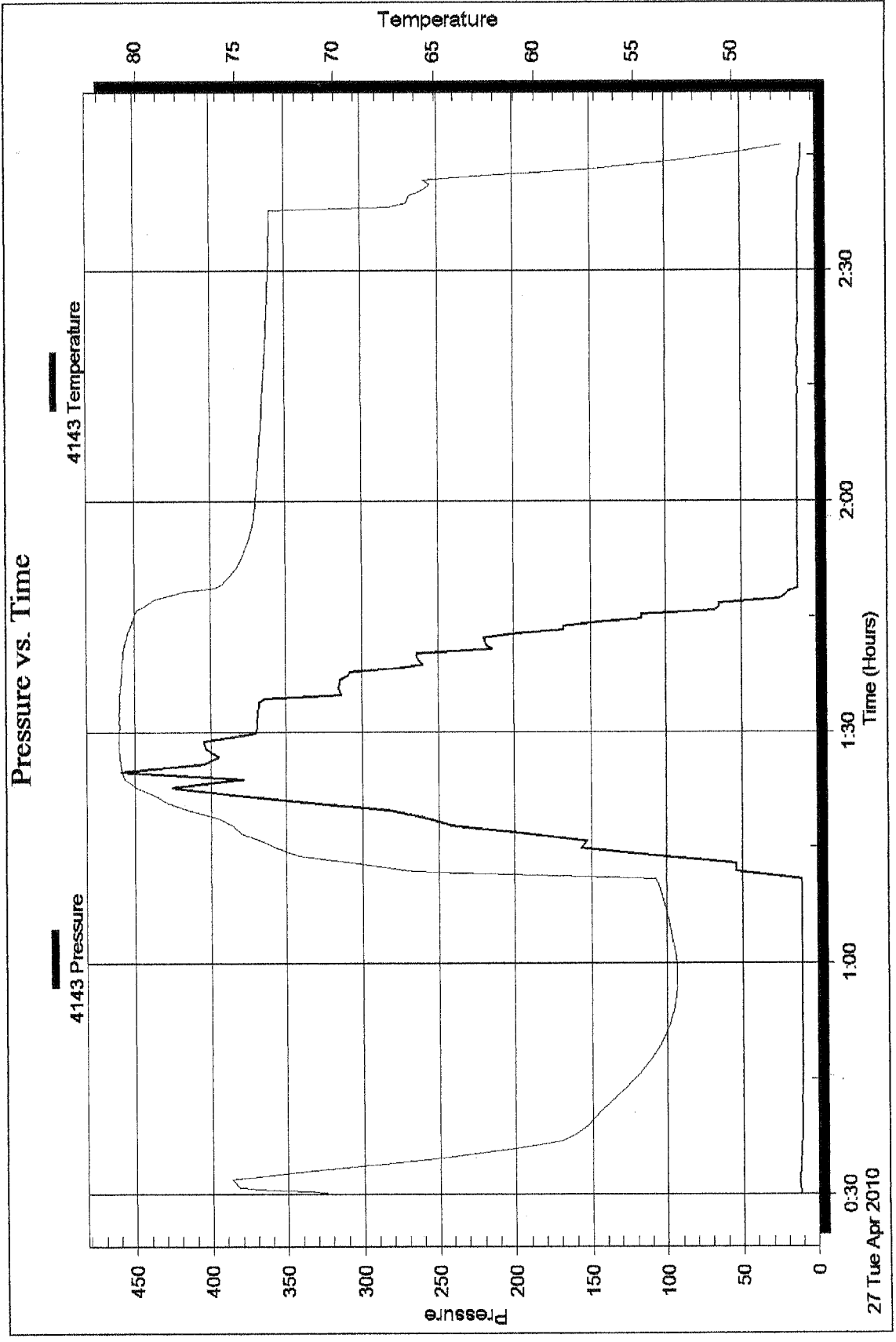
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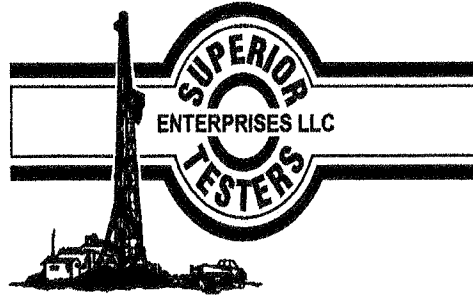


Printed: 2010.04.27 @ 19:37:45

Ref. No: 16352

Superior Testers Enterprises LLC





DRILL STEM TEST REPORT

Prepared For: **CASTLE RESOURCES INC**

BOX 87
SCHOENCHEN KS 67667

ATTN: JERRY GREEN

32-8S-28W SHERIDAN

CLARK#3

Start Date: 2010.04.27 @ 14:00:00

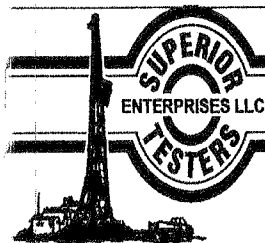
End Date: 2010.04.27 @ 21:20:30

Job Ticket #: 16353 DST #: 2

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

Printed: 2010.04.27 @ 21:04:04

CASTLE RESOURCES INC
CLARK#3
32-8S-28W SHERIDAN
DST # 2
HOWARD
2010.04.27



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16353 DST#: 2

ATTN: JERRY GREEN

Test Start: 2010.04.27 @ 14:00:00

GENERAL INFORMATION:

Formation: **HOWARD**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 21:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 276 M GB

Interval: **3502.00 ft (KB) To 3525.00 ft (KB) (TVD)**

Total Depth: 3525.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2752.00 ft (KB)

2744.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: psia @ 3521.00 ft (KB)

Start Date: 2010.04.27 End Date: 2010.04.27

Start Time: 14:00:00 End Time: 21:20:30

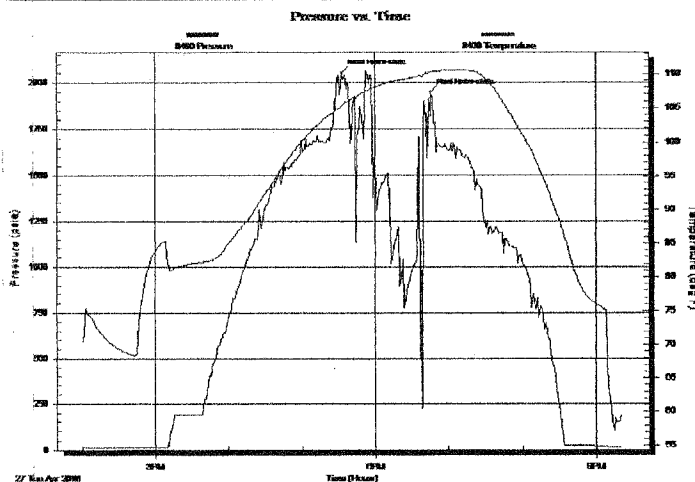
Capacity: 5000.00 psia

Last Calib.: 2010.04.27

Time On Btm: 2010.04.27 @ 17:33:00

Time Off Btm: 2010.04.27 @ 18:46:00

TEST COMMENT: 30-INITIAL OPENING NO BLOW FLUSHED TOOL NO BLOW
30-INITIAL SHUT IN NO BLOW BACK
20-FINAL OPENING NO BLOW FLUSHED TOOL NO BLOW



PRESSURE SUMMARY

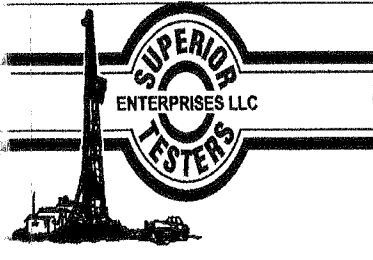
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2051.03	105.27	Initial Hydro-static
73	1947.25	110.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD 100%M	0.02

Gas Rates

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



DRILL STEM TEST REPORT

CASTLE RESOURCES INC
 BOX 87
 SCHOENCHEN KS 67667
 ATTN: JERRY GREEN

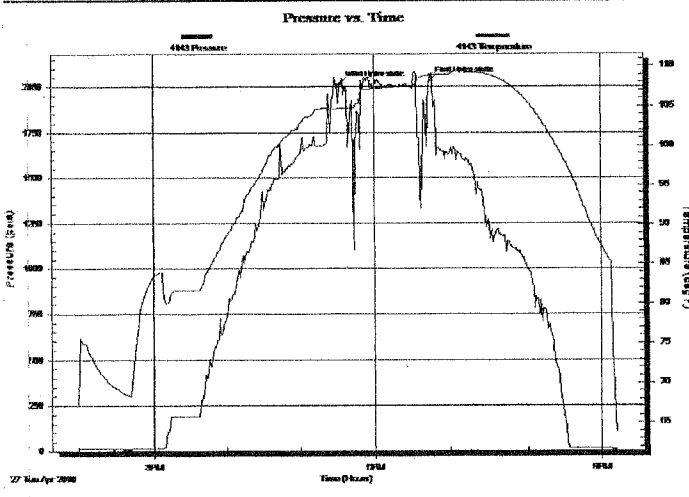
CLARK#3
32-8S-28W SHERIDAN
 Job Ticket: 16353 **DST#: 2**
 Test Start: 2010.04.27 @ 14:00:00

GENERAL INFORMATION:

Formation: **HOWARD**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 21:20:30
 Interval: **3502.00 ft (KB) To 3525.00 ft (KB) (TVD)**
 Total Depth: 3525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 276 MGB
 Reference Elevations: 2752.00 ft (KB)
 2744.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 4143 Outside
 Press@RunDepth: psia @ 3522.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.04.27 End Date: 2010.04.27 Last Calib.: 2010.04.27
 Start Time: 14:00:00 End Time: 21:12:15 Time On Btm: 2010.04.27 @ 17:32:16
 Time Off Btm: 2010.04.27 @ 18:44:16

TEST COMMENT: 30-INITIAL OPENING NO BLOW FLUSHED TOOL NO BLOW
 30-INITIAL SHUT IN NO BLOW BACK
 20-FINAL OPENING NO BLOW FLUSHED TOOL NO BLOW



PRESSURE SUMMARY

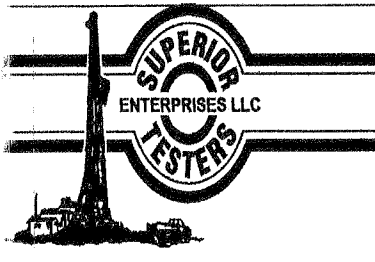
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2011.38	104.66	Initial Hydro-static
72	2030.78	108.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD 100%M	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16353 DST#: 2

ATTN: JERRY GREEN

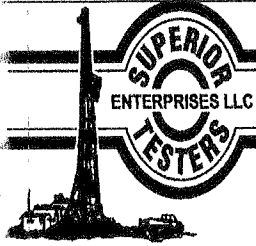
Test Start: 2010.04.27 @ 14:00:00

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.88 inches	Volume: 50.51 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3502.00 ft			Final 28000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: SLID TOOL TO BOTTOM 20 FEET

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3482.00	
Shut-In Tool	5.00			3487.00	
Hydroic Tool	5.00			3492.00	
Packer	5.00			3497.00	21.00 Bottom Of Top Packer
Packer	5.00			3502.00	
Perforations	18.00			3520.00	
Recorder	1.00	8400	Inside	3521.00	
Recorder	1.00	4143	Outside	3522.00	
Bullnose	3.00			3525.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16353 DST#: 2

ATTN: JERRY GREEN

Test Start: 2010.04.27 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 8.40 in³
Resistivity: ohm.m
Salinity: 1200.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD 100%M	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:

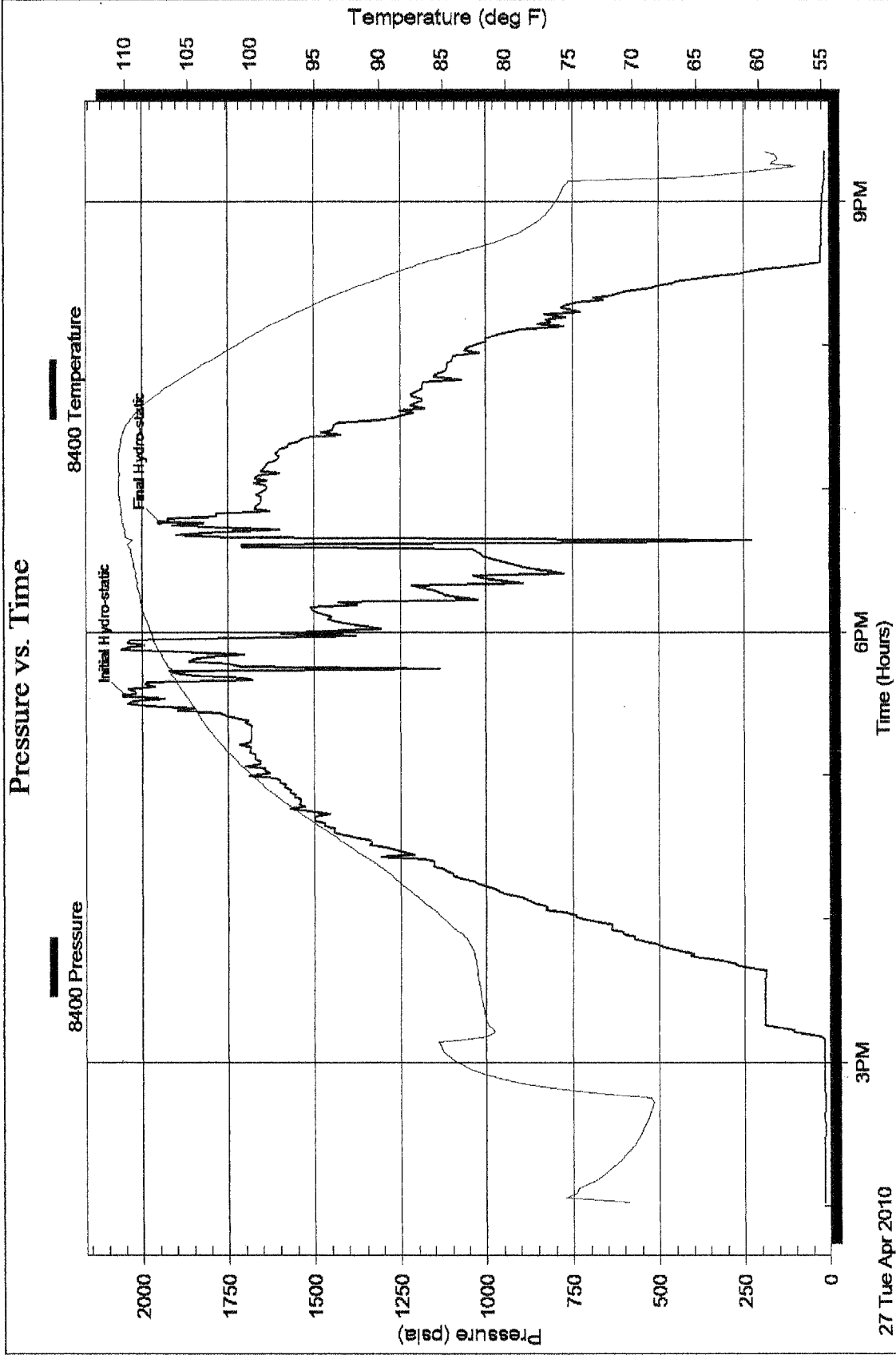
Serial #: 8400

Inside

CASILE RESOURCES INC

32-8S-26W SHERIDAN

DSI Test Number: 2



Printed: 2010.04.27 @ 21:04:06

Ref. No: 16353

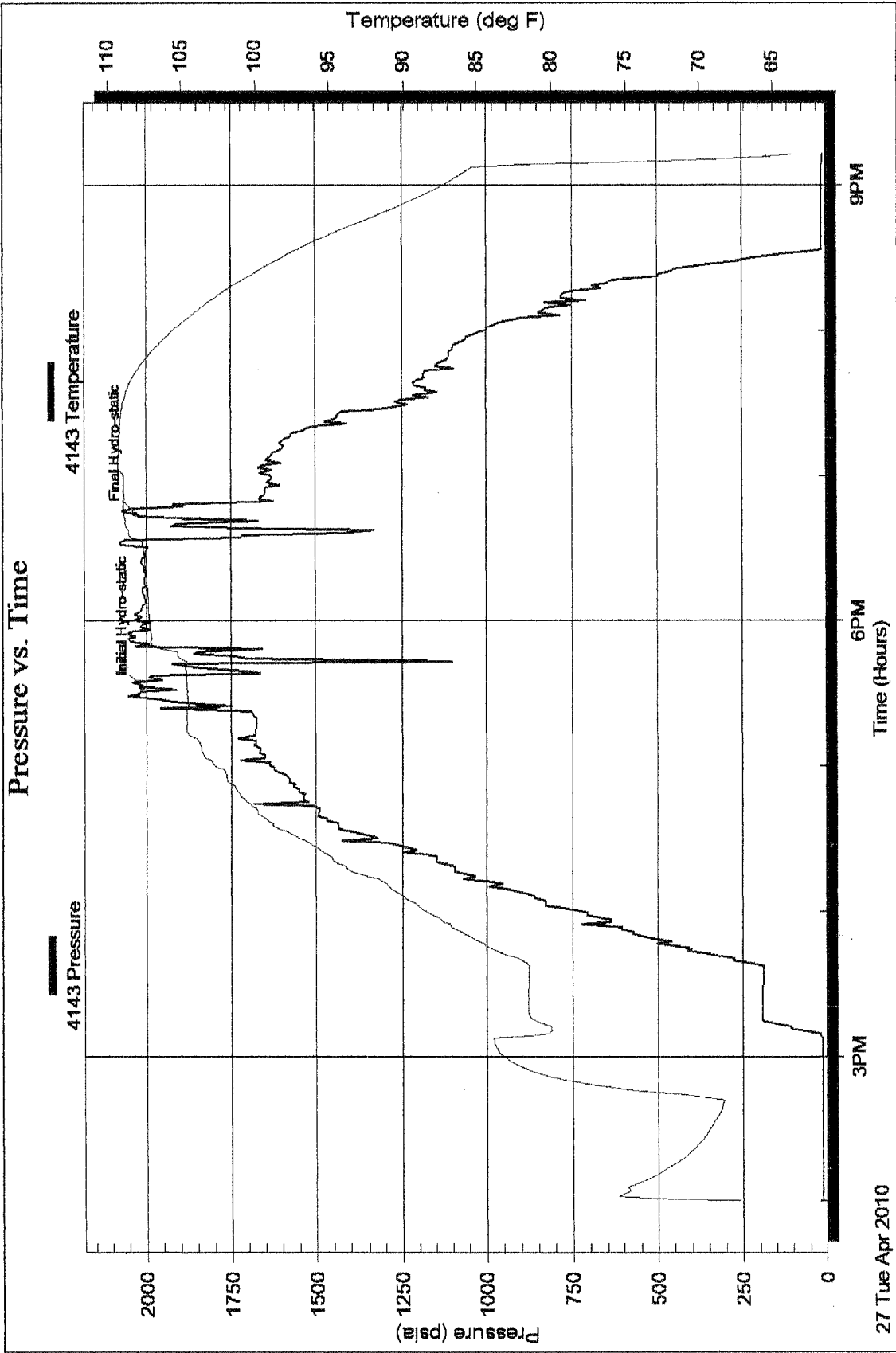
Superior Testers Enterprises LLC

Serial #: 4143

Outside CASTLE RESOURCES INC

32-8S-28W SHERIDAN

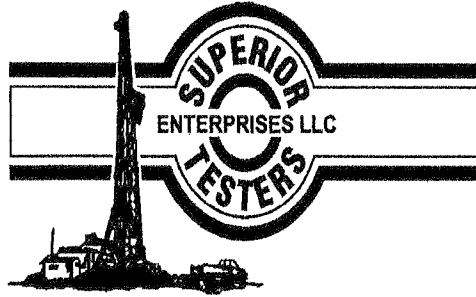
DST Test Number: 2



Printed: 2010.04.27 @ 21:04:06

Ref. No: 16353

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Prepared For: **CASTLE RESOURCES INC**

BOX 87
SCHOENCHEN KS 67667

ATTN: JERRY GREEN

32-8S-28W SHERIDAN

CLARK#3

Start Date: 2010.04.29 @ 15:00:00

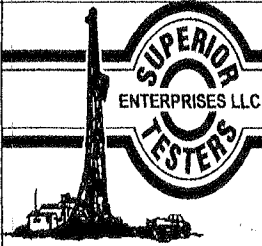
End Date: 2010.04.29 @ 22:05:30

Job Ticket #: 16354 DST #: 3

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

Printed: 2010.04.29 @ 12:10:54

CASTLE RESOURCES INC
CLARK#3
32-8S-28W SHERIDAN
DST # 3
TORONTO
2010.04.29



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16354

DST#: 3

ATTN: JERRY GREEN

Test Start: 2010.04.29 @ 15:00:00

GENERAL INFORMATION:

Formation: **TORONTO**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:00

Time Test Ended: 22:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345

Interval: **3808.00 ft (KB) To 3842.00 ft (KB) (TVD)**

Total Depth: 3842.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2752.00 ft (KB)

2744.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8400**

Inside

Press@RunDepth: 534.39 psia @ 3838.00 ft (KB)

Start Date: 2010.04.29

End Date: 2010.04.29

Start Time: 15:00:00

End Time: 22:05:30

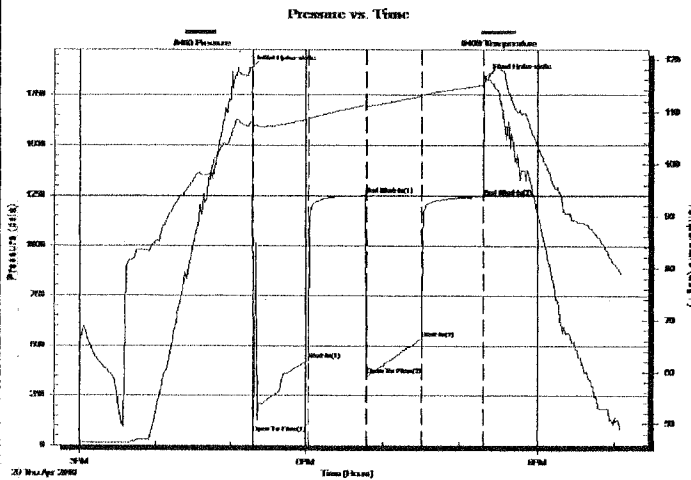
Capacity: 5000.00 psia

Last Calib.: 2010.04.29

Time On Btm: 2010.04.29 @ 17:16:30

Time Off Btm: 2010.04.29 @ 20:20:00

TEST COMMENT: 45-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 8 MINS
45-INITIAL SHUT IN NO BLOW BACK
45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 9 MINS
45-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

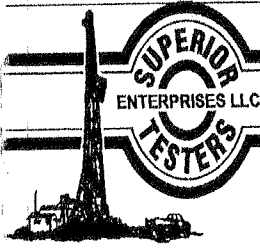
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1880.05	107.90	Initial Hydro-static
2	58.84	107.33	Open To Flow (1)
46	428.36	108.64	Shut-In(1)
91	1252.76	111.19	End Shut-In(1)
92	355.92	111.01	Open To Flow (2)
135	534.39	112.94	Shut-In(2)
182	1245.05	115.00	End Shut-In(2)
184	1837.73	115.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	MUDDY WATER 10%M 90%W	15.50

Gas Rates

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



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16354

DST#: 3

ATTN: JERRY GREEN

Test Start: 2010.04.29 @ 15:00:00

GENERAL INFORMATION:

Formation: **TORONTO**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:00

Time Test Ended: 22:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345

Interval: **3808.00 ft (KB) To 3842.00 ft (KB) (TVD)**

Total Depth: 3842.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2752.00 ft (KB)

2744.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **4143**

Outside

Press@RunDepth: 1241.35 psia @ 3839.00 ft (KB)

Start Date: 2010.04.29 End Date: 2010.04.29

Start Time: 15:00:00 End Time: 22:44:16

Capacity: 5000.00 psia

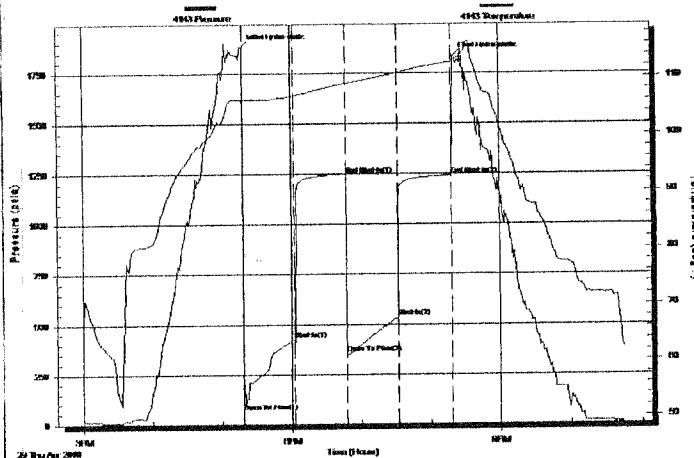
Last Calib.: 2010.04.29

Time On Btm: 2010.04.29 @ 17:17:16

Time Off Btm: 2010.04.29 @ 20:20:16

TEST COMMENT: 45-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 8 MINS
45-INITIAL SHUT IN NO BLOW BACK
45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 9 MINS
45-FINAL SHUT IN NO BLOW BACK

Pressure vs. Time



PRESSURE SUMMARY

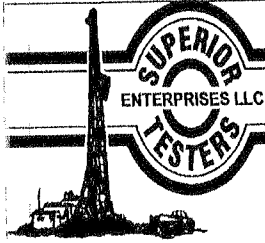
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1877.60	105.97	Initial Hydro-static
2	67.01	106.02	Open To Flow (1)
46	426.58	106.76	Shut-In (1)
91	1243.57	108.61	End Shut-In (1)
91	356.51	108.90	Open To Flow (2)
135	534.12	110.71	Shut-In (2)
182	1241.35	112.63	End Shut-In (2)
183	1831.10	113.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	MUDDY WATER 10%M 90%W	15.50

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16354 DST#: 3

ATTN: JERRY GREEN

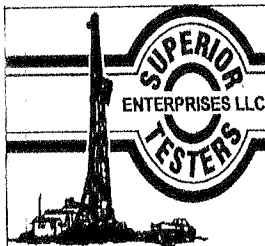
Test Start: 2010.04.29 @ 15:00:00

Tool Information

Drill Pipe:	Length: 3746.00 ft	Diameter: 3.88 inches	Volume: 54.78 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 54.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	-11.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3808.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	55.00 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			3788.00	
Shut-In Tool	5.00			3793.00	
Hydroic Tool	5.00			3798.00	
Packer	5.00			3803.00	21.00 Bottom Of Top Packer
Packer	5.00			3808.00	
Perforations	29.00			3837.00	
Recorder	1.00	8400	Inside	3838.00	
Recorder	1.00	4143	Outside	3839.00	
Bullnose	3.00			3842.00	34.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16354 DST#: 3

ATTN: JERRY GREEN

Test Start: 2010.04.29 @ 15:00:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 1400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1080.00	MUDDY WATER 10%M 90%W	15.503

Total Length: 1080.00 ft Total Volume: 15.503 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: CHLORIDES 44,000 .2 @60 DEGREES

Serial # 8400

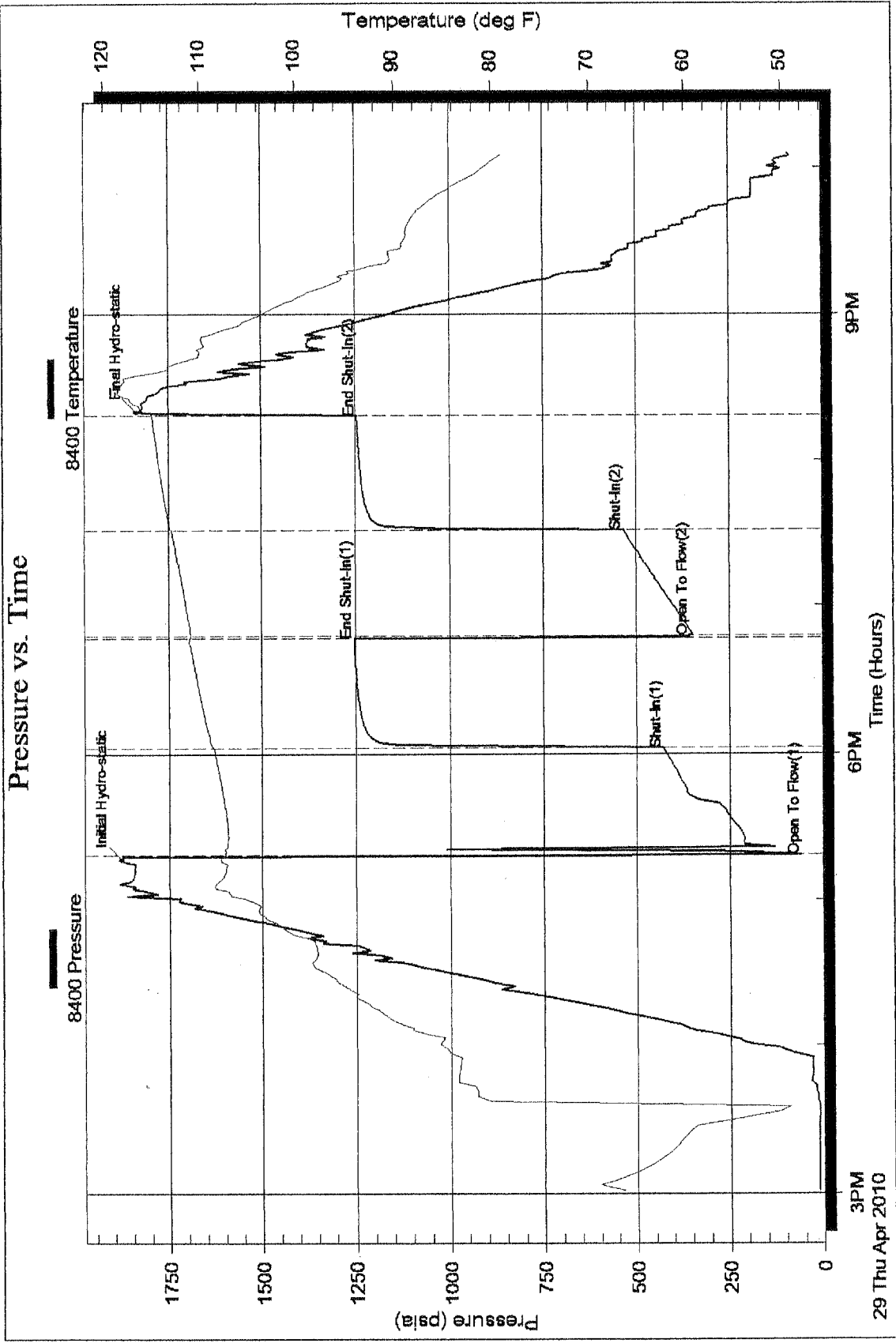
Inside

CASTLE RESOURCES INC.

32-8S-28W SHERIDAN

DST Test Number: 3

Pressure vs. Time



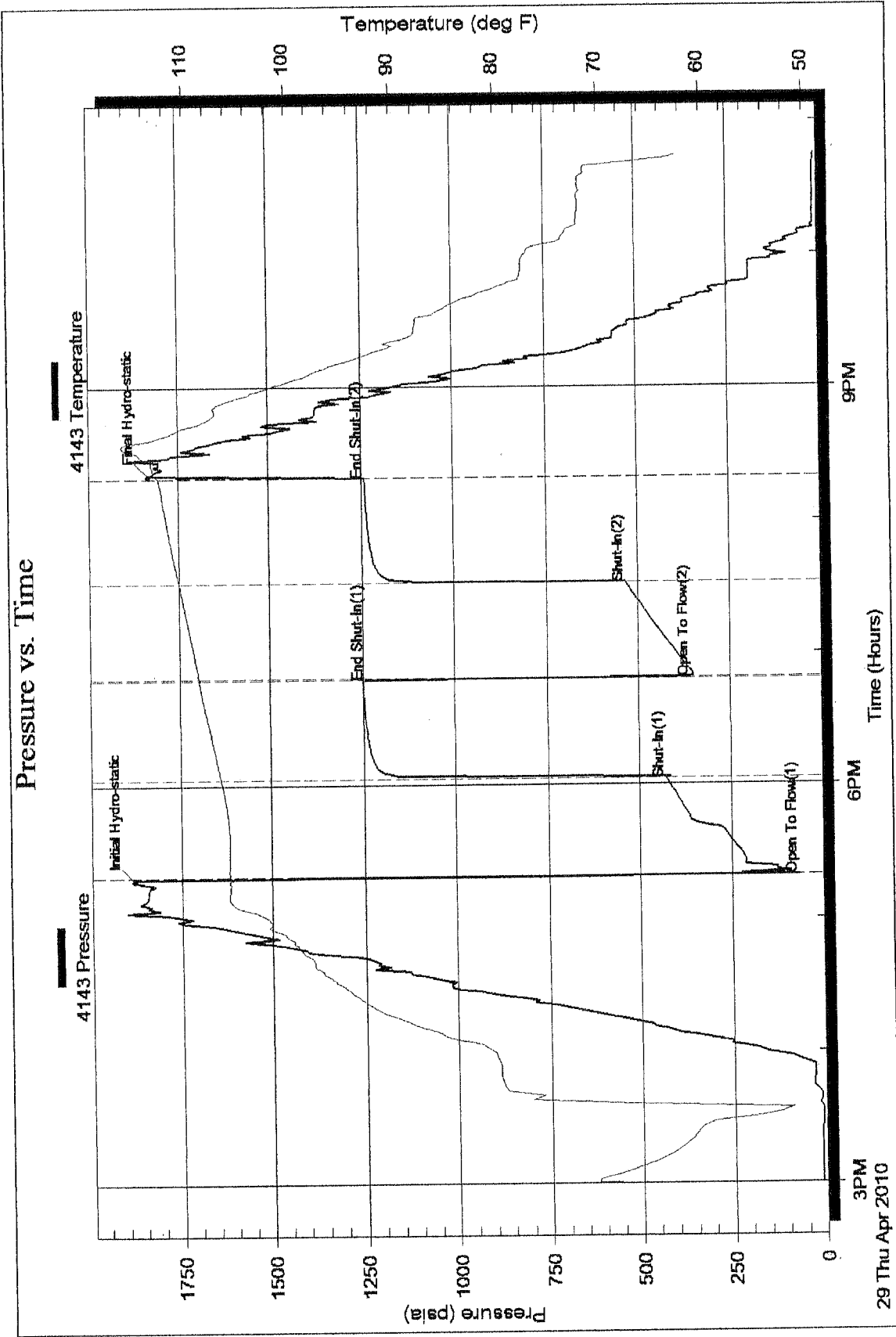
DST Test Number: 3

32-8S-28W SHERIDAN

Castle Resources Inc

Serial #: 4143

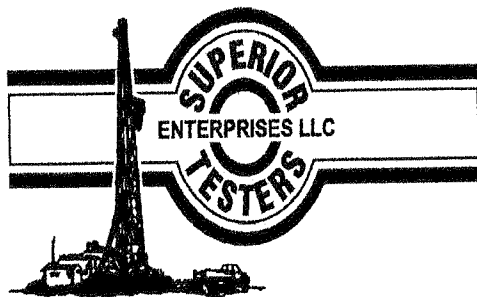
Pressure vs. Time



Printed: 2010.04.29 @ 12:10:56

Ref. No: 16354

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Prepared For: **CASTLE RESOURCES INC**

BOX 87
SCHOENCHEN KS 67667

ATTN: JERRY GREEN

32-8S-28W SHERIDAN

CLARK#3

Start Date: 2010.05.01 @ 14:00:00

End Date: 2010.05.01 @ 21:32:00

Job Ticket #: 16355 DST #: 4

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

Printed: 2010.05.01 @ 22:32:40

CASTLE RESOURCES INC

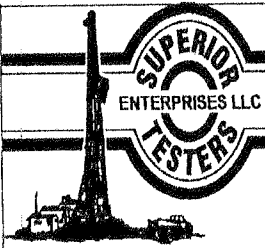
CLARK#3

32-8S-28W SHERIDAN

DST # 4

LANSING -J-

2010.05.01



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

ATTN: JERRY GREEN

Job Ticket: 16355

DST#: 4

Test Start: 2010.05.01 @ 14:00:00

GENERAL INFORMATION:

Formation: **LANSING -J-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:48:30
 Time Test Ended: 21:32:00

Test Type: Conventional Straddle (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345

Interval: **3974.00 ft (KB) To 4055.00 ft (KB) (TVD)**
 Total Depth: 4161.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2752.00 ft (KB)
 2744.00 ft (CF)
 KB to GR/CF: 8.00 ft

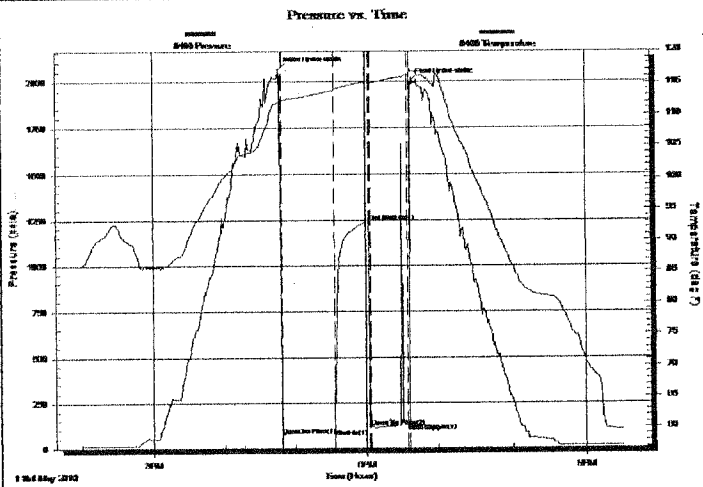
Serial #: 8400

Inside

Press@RunDepth: 133.75 psia @ 4048.00 ft (KB)
 Start Date: 2010.05.01 End Date: 2010.05.01
 Start Time: 14:00:00 End Time: 21:32:00

Capacity: 5000.00 psia
 Last Calib.: 2010.05.01
 Time On Btm: 2010.05.01 @ 16:46:30
 Time Off Btm: 2010.05.01 @ 18:37:00

TEST COMMENT: 45-INITIAL OPENING FAIR BLOW BUILT 0 8 INCHES INTO WATER
 30-INITIAL SHUT IN NO BLOW BACK
 45-FINAL OPENING SURFACE BLOW DIED AFTER 2 MINS FLUSHED TOOL NO BLOW



PRESSURE SUMMARY

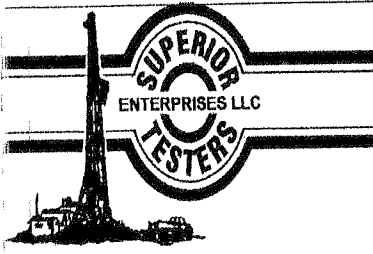
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2061.70	111.96	Initial Hydro-static
2	72.03	111.89	Open To Flow (1)
47	107.81	113.83	Shut-In(1)
76	1240.67	115.26	End Shut-In(1)
77	117.94	115.00	Open To Flow (2)
109	133.75	116.25	Shut-In(2)
110	134.51	116.32	End Shut-In(2)
111	1992.75	117.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	MUDDY WATER 30%M70%W	2.05

Gas Rates

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



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16355 DST#: 4

ATTN: JERRY GREEN

Test Start: 2010.05.01 @ 14:00:00

GENERAL INFORMATION:

Formation: **LANSING -J-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:48:30
 Time Test Ended: 21:32:00

Test Type: Conventional Straddle (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345

Interval: **3974.00 ft (KB) To 4055.00 ft (KB) (TVD)**
 Total Depth: 4161.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2752.00 ft (KB)
 2744.00 ft (CF)
 KB to GR/CF: 8.00 ft

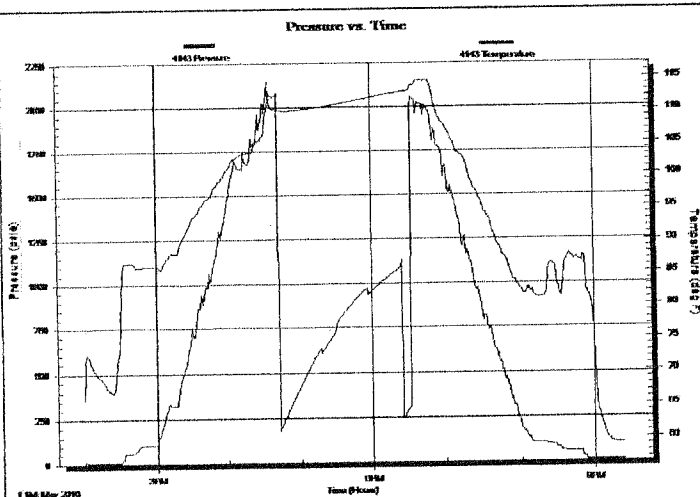
Serial #: 4143

Outside

Press@RunDepth: psia @ 4049.00 ft (KB)
 Start Date: 2010.05.01 End Date: 2010.05.01
 Start Time: 14:00:00 End Time: 21:24:15

Capacity: 5000.00 psia
 Last Calib.: 2010.05.01
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-INITIAL OPENING FAIR BLOW BUILT O 8 INCHES INTO WATER
 30-INITIAL SHUT IN NO BLOW BACK
 45-FINAL OPENING SURFACE BLOW DIED AFTER 2 MINS FLUSHED TOOL NO BLOW



PRESSURE SUMMARY

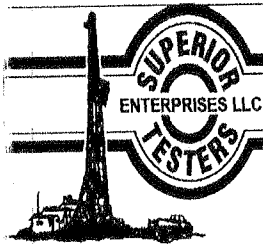
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
160.00	MUDDY WATER 30%M70%W	2.05

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16355 DST#: 4

ATTN: JERRY GREEN

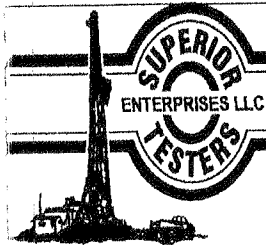
Test Start: 2010.05.01 @ 14:00:00

Tool Information

Drill Pipe:	Length: 3926.00 ft	Diameter: 3.88 inches	Volume: 57.41 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 57.56 bbl</u>	Tool Chased:	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3974.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	4161.00 ft				
Interval between Packers:	187.00 ft				
Tool Length:	208.00 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			3954.00	
Shut-In Tool	5.00			3959.00	
Hydroic Tool	5.00			3964.00	
Packer	5.00			3969.00	21.00 Bottom Of Top Packer
Packer	5.00			3974.00	
Perforations	73.00			4047.00	
Recorder	1.00	8400	Inside	4048.00	
Recorder	1.00	4143	Outside	4049.00	
BLANK OFF	1.00			4050.00	
PACKER	5.00			4055.00	
DRILL PIPE	101.00			4156.00	
BULL PLUG	5.00			4161.00	187.00 Bottom Packers & Anchor

Total Tool Length: 208.00



DRILL STEM TEST REPORT

FLUID SUMMARY

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16355

DST#: 4

ATTN: JERRY GREEN

Test Start: 2010.05.01 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	MUDDY WATER 30%M70%W	2.049

Total Length: 160.00 ft Total Volume: 2.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RECOVERY CHLORIDES 51,000

DST Test Number: 4

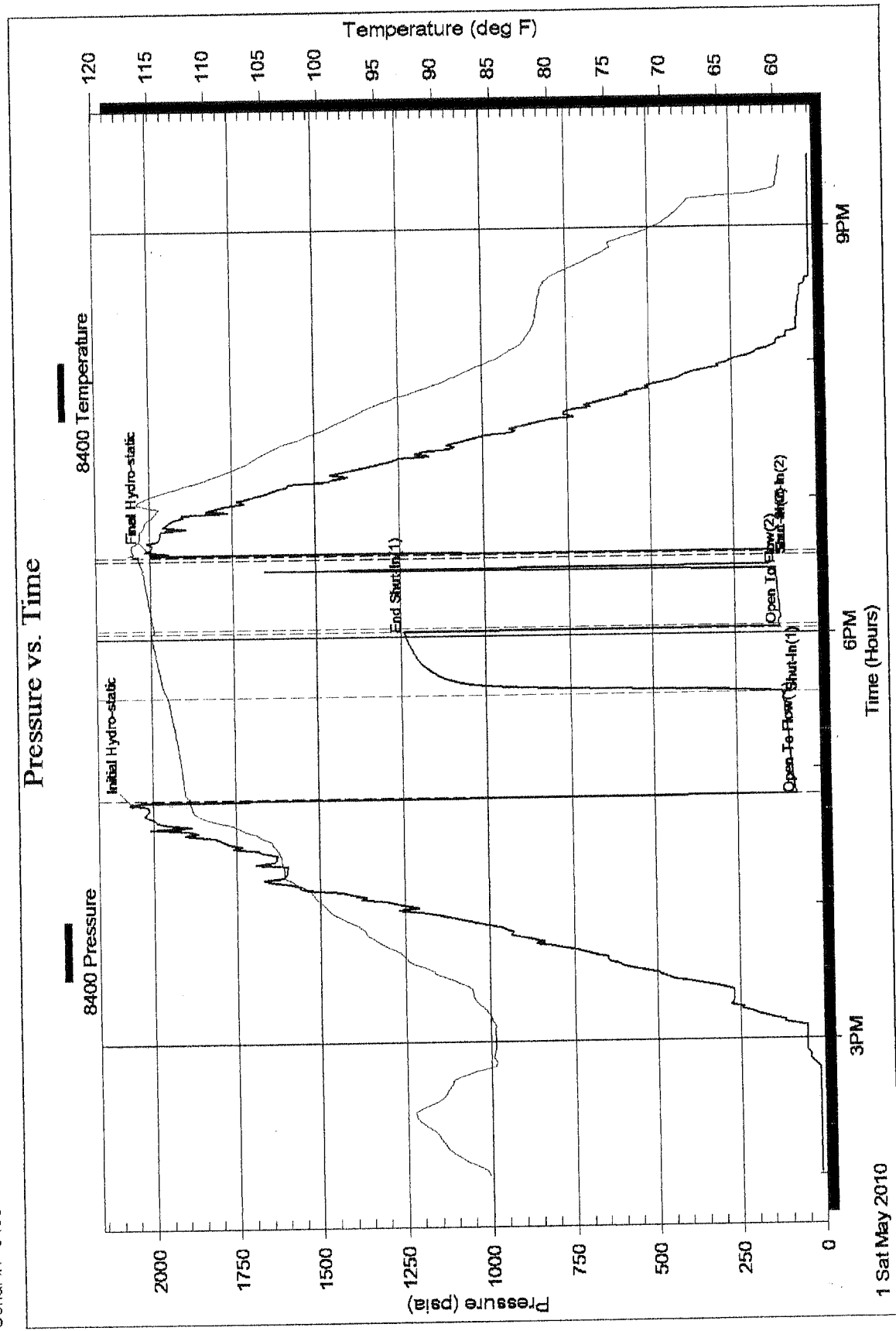
32-8S-28W SHERIDAN

CASTLE RESOURCES INC

Inside

Serial #: 8400

Pressure vs. Time



Printed: 2010.05.01 @ 22:32:42

Ref. No: 16355

Superior Testers Enterprises LLC

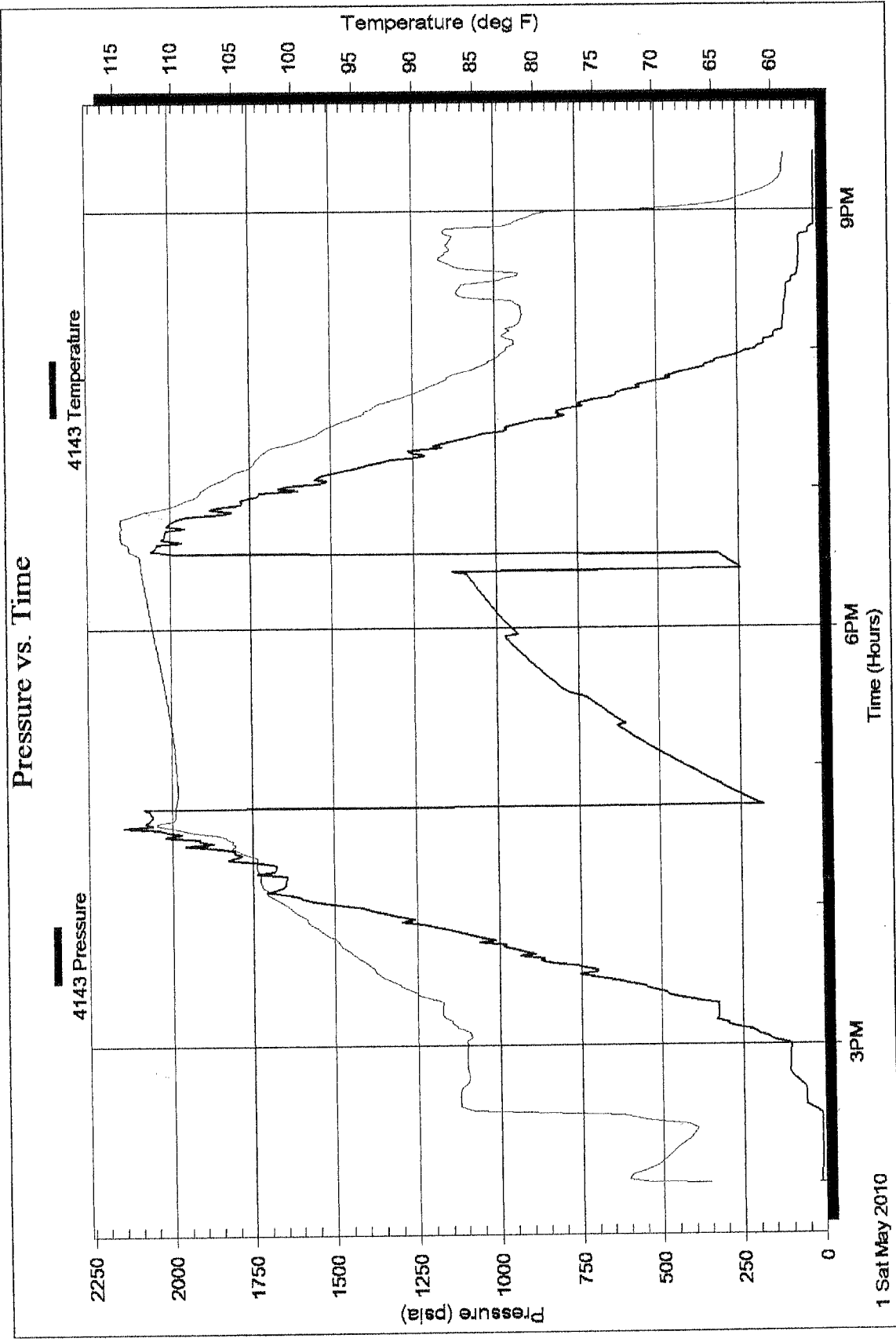
DST Test Number: 4

32-8S-28W SHERIDAN

Castle Resources Inc

Serial #: 4143

Pressure vs. Time



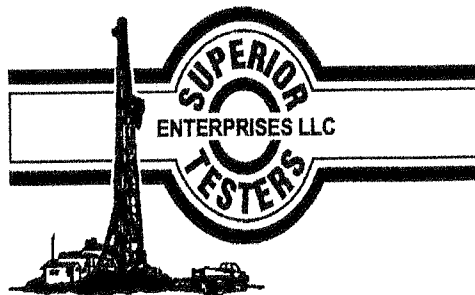
1 Sat May 2010

Printed: 2010.05.01 @ 22:32:43

Ref. No: 16355

Superior Testers Enterprises LLC

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DRILL STEM TEST REPORT

Prepared For: **CASTLE RESOURCES INC**

BOX 87
SCHOENCHEN KS 67667

ATTN: JERRY GREEN

32-8S-28W SHERIDAN

CLARK#3

Start Date: 2010.05.02 @ 22:00:00

End Date: 2010.05.03 @ 07:11:30

Job Ticket #: 16356 DST #: 5

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

Printed: 2010.05.02 @ 06:15:09

CASTLE RESOURCES INC

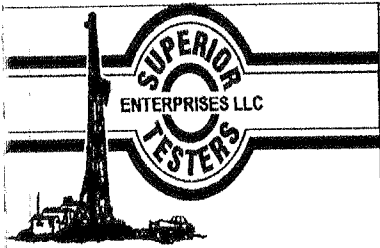
CLARK#3

32-8S-28W SHERIDAN

DST # 5

LANSING -A

2010.05.02



DRILL STEM TEST REPORT

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16356 DST#: 5

ATTN: JERRY GREEN

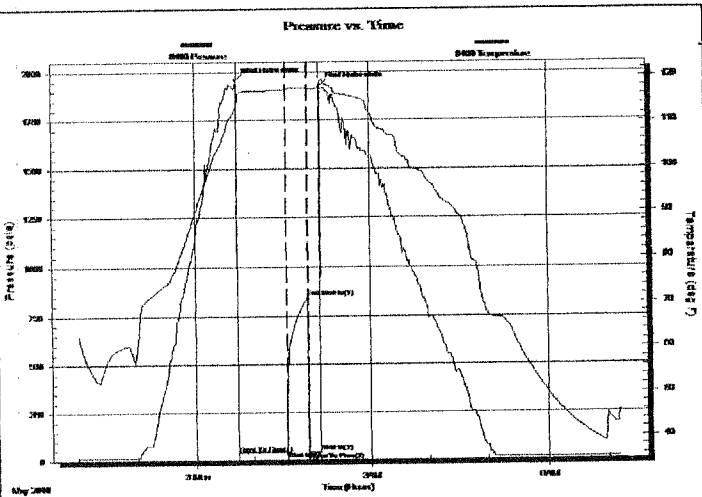
Test Start: 2010.05.02 @ 22:00:00

GENERAL INFORMATION:

Formation: **LANSING -A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 00:44:00 Tester: DAVID NICHOLS
 Time Test Ended: 07:11:30 Unit No: 3345
 Interval: **3865.00 ft (KB) To 3876.00 ft (KB) (TVD)** Reference Elevations: 2752.00 ft (KB)
 Total Depth: 4161.00 ft (KB) (TVD) 2744.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 48.48 psia @ 3870.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.05.02 End Date: 2010.05.03 Last Calib.: 2010.05.02
 Start Time: 22:00:00 End Time: 07:11:30 Time On Btm: 2010.05.03 @ 00:43:00
 Time Off Btm: 2010.05.03 @ 02:10:00

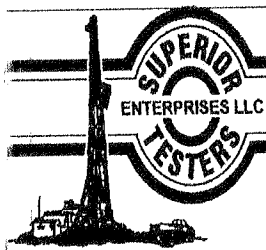
TEST COMMENT: 45-INITIAL OPENING WEAK BLOW BUILT TO 2 INCHES THEN DIED OFF TO A WEAK SURFACE BLOW
 30-INITIAL SHUT IN NO BLOW BACK
 15-FINAL OPENING NO BLOW FLUSHED TOOL NO BLOW



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1955.93	113.10	Initial Hydro-static
1	31.47	112.77	Open To Flow (1)
52	48.48	117.27	Shut-In(1)
73	846.62	117.66	End Shut-In(1)
74	41.86	117.40	Open To Flow (2)
86	43.77	117.48	Shut-In(2)
87	1924.24	118.56	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbf)
40.00	MUD100%M	0.29

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16356

DST#: 5

ATTN: JERRY GREEN

Test Start: 2010.05.02 @ 22:00:00

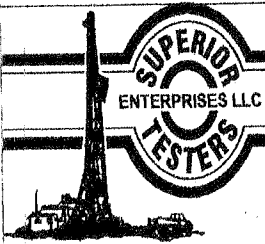
Tool Information

Drill Pipe:	Length: 3817.00 ft	Diameter: 3.80 inches	Volume: 53.54 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 53.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3865.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	4161.00 ft			
Interval between Packers:	296.00 ft			
Tool Length:	317.00 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			3845.00	
Shut-In Tool	5.00			3850.00	
Hydroic Tool	5.00			3855.00	
Packer	5.00			3860.00	21.00 Bottom Of Top Packer
Packer	5.00			3865.00	
Perforations	4.00			3869.00	
Recorder	1.00	8400	Inside	3870.00	
Recorder	1.00	4143	Outside	3871.00	
PACKER	5.00			3876.00	
DRILL PIPE	280.00			4156.00	
BULL PLUG	5.00			4161.00	296.00 Bottom Packers & Anchor

Total Tool Length: 317.00



DRILL STEM TEST REPORT

FLUID SUMMARY

CASTLE RESOURCES INC

CLARK#3

BOX 87
SCHOENCHEN KS 67667

32-8S-28W SHERIDAN

Job Ticket: 16356

DST#: 5

ATTN: JERRY GREEN

Test Start: 2010.05.02 @ 22:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	MUD100%M	0.288

Total Length: 40.00 ft Total Volume: 0.288 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 5

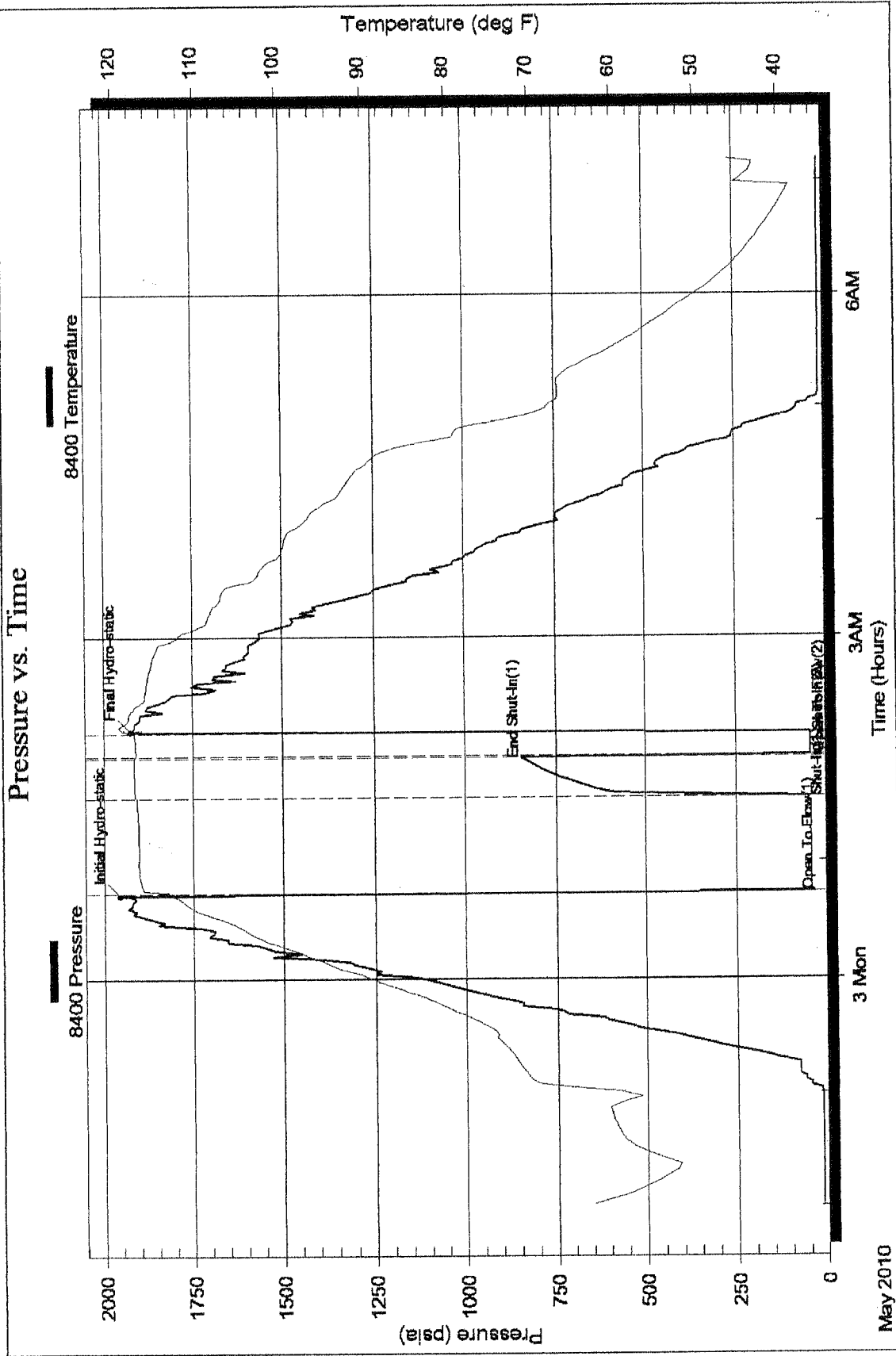
32-8S-28W SHERIDAN

CASTLE RESOURCES INC

Inside

Serial #: 8400

Pressure vs. Time



Printed: 2010.05.02 @ 06:15:11

Ref. No: 16356

Superior Testers Enterprises LLC