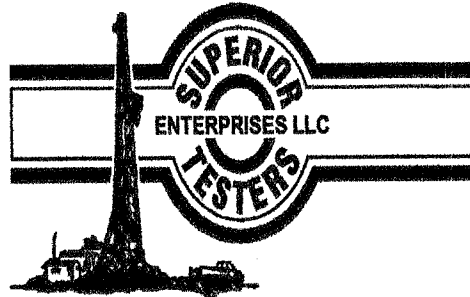


22-21s-13w

IND



DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12
Great Bend ,Kansas 67530

ATTN: Ed Glassman

22-21s-13w

Schultz #5

Start Date: 2009.10.24 @ 12:30:00

End Date: 2009.10.24 @ 19:34:15

Job Ticket #: 16236

DST #: 1

15-185-23583-0000
RECEIVED
NOV 13 2009
KCC WICHITA

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

Printed: 2009.10.27 @ 13:33:09

Globe Operating Inc.

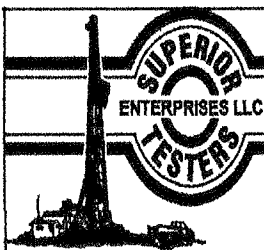
Schultz #5

22-21s-13w

DST # 1

Kansas City "A-F"

2009.10.24



DRILL STEM TEST REPORT

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

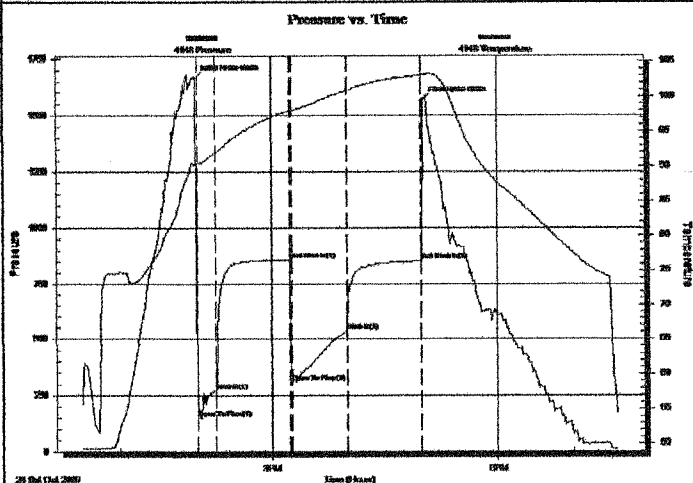
Schultz #5
22-21s-13w
Job Ticket: 16236 **DST#: 1**
Test Start: 2009.10.24 @ 12:30:00

GENERAL INFORMATION:

Formation: **Kansas City "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:00:16
Time Test Ended: 19:34:15
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Interval: **3299.00 ft (KB) To 3379.00 ft (KB) (TVD)**
Total Depth: 3379.00 ft (KB) (TVD)
Reference Elevations: 1875.00 ft (KB)
1870.00 ft (CF)
Hole Diameter: 7.89 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 4143 Outside
Press@RunDepth: 531.70 psia @ 3375.73 ft (KB)
Start Date: 2009.10.24 End Date: 2009.10.24 Capacity: 5000.00 psia
Start Time: 12:30:01 End Time: 19:34:16 Last Calib.: 2009.10.24
Time On Btm: 2009.10.24 @ 13:58:46
Time Off Btm: 2009.10.24 @ 17:01:16

TEST COMMENT: 15 Minutes 1st Flow Good Blow built to the bottom of a 5 gallon bucket in 1 minute
60 Minutes 1st Shut-in Gas to surface in 3 minutes
45 Minutes 2nd Flow Good blow-see gas flow report
60 Minutes 2nd Shut-in good blow back



PRESSURE SUMMARY

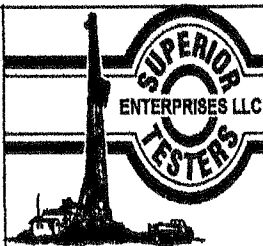
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1665.06	90.28	Initial Hydro-static
2	150.09	90.33	Open To Flow (1)
16	270.08	91.93	Shut-In (1)
76	856.58	97.96	End Shut-In (1)
78	309.31	98.04	Open To Flow (2)
122	531.70	100.85	Shut-In (2)
181	851.76	103.09	End Shut-In (2)
183	1566.19	103.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mgo 20%g 50%o 12%m 18%w	5903.93
300.00	mgo 25%g 60%o 6%m 9%w	4.21
660.00	clean oil 40%g 60%o Gravity 28	9.26
120.00	sgcmw 4%g 4%o 6%m 60%w	1.68

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	2.85	44.52
Last Gas Rate	0.75	2.40	37.49
Max. Gas Rate	0.75	3.55	55.45



DRILL STEM TEST REPORT

TOOL DIAGRAM

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530

Schultz #5

22-21s-13w

Job Ticket: 16236

DST#: 1

ATTN: Ed Glassman

Test Start: 2009.10.24 @ 12:30:00

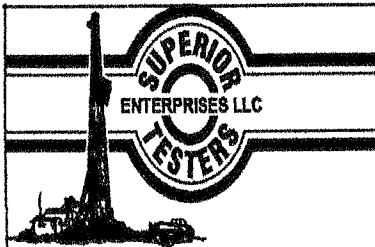
Tool Information

Drill Pipe:	Length: 3160.00 ft	Diameter: 3.80 inches	Volume: 44.33 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: 120.00 ft	Diameter: 225.00 inches	Volume: 5901.40 bbl	Weight to Pull Loose:	10000.00 lb
			Total Volume: 5945.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3299.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	79.73 ft				
Tool Length:	100.73 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			3279.00	
Shut-In Tool	5.00			3284.00	
Hydraulic Tool	5.00			3289.00	
Recorder	5.00			3294.00	
Packer	5.00			3299.00	21.00 Bottom Of Top Packer
Change Over Sub	0.75			3299.75	
Drill Pipe	63.23			3362.98	
Change Over Sub	0.75			3363.73	
Perforations	10.00			3373.73	
Recorder	1.00	8400	Inside	3374.73	
Recorder	1.00	4143	Outside	3375.73	
Bullnose	3.00			3378.73	79.73 Anchor Tool

Total Tool Length: 100.73



DRILL STEM TEST REPORT

FLUID SUMMARY

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16236
DST#: 1
Test Start: 2009.10.24 @ 12:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 3900.00 ppm
Filter Cake: 1.00 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
300.00	mgo 20%g 50%o 12%m 18%w	5903.929
300.00	mgo 25%g 60%o 6%m 9%w	4.208
660.00	clean oil 40%g 60%o Gravity 28	9.258
120.00	sgcmw 4%g 4%o 6%m 60%w	1.683

Total Length: 1380.00 ft Total Volume: 5919.078 bbl

Num Fluid Samples: 0

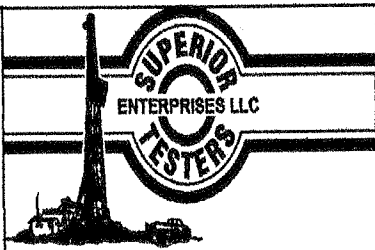
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16236
DST#: 1
Test Start: 2009.10.24 @ 12:30:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.75	2.85	44.52
2	20	0.75	3.55	55.45
2	30	0.75	3.40	53.11
2	40	0.75	2.75	42.95
2	45	0.75	2.40	37.49

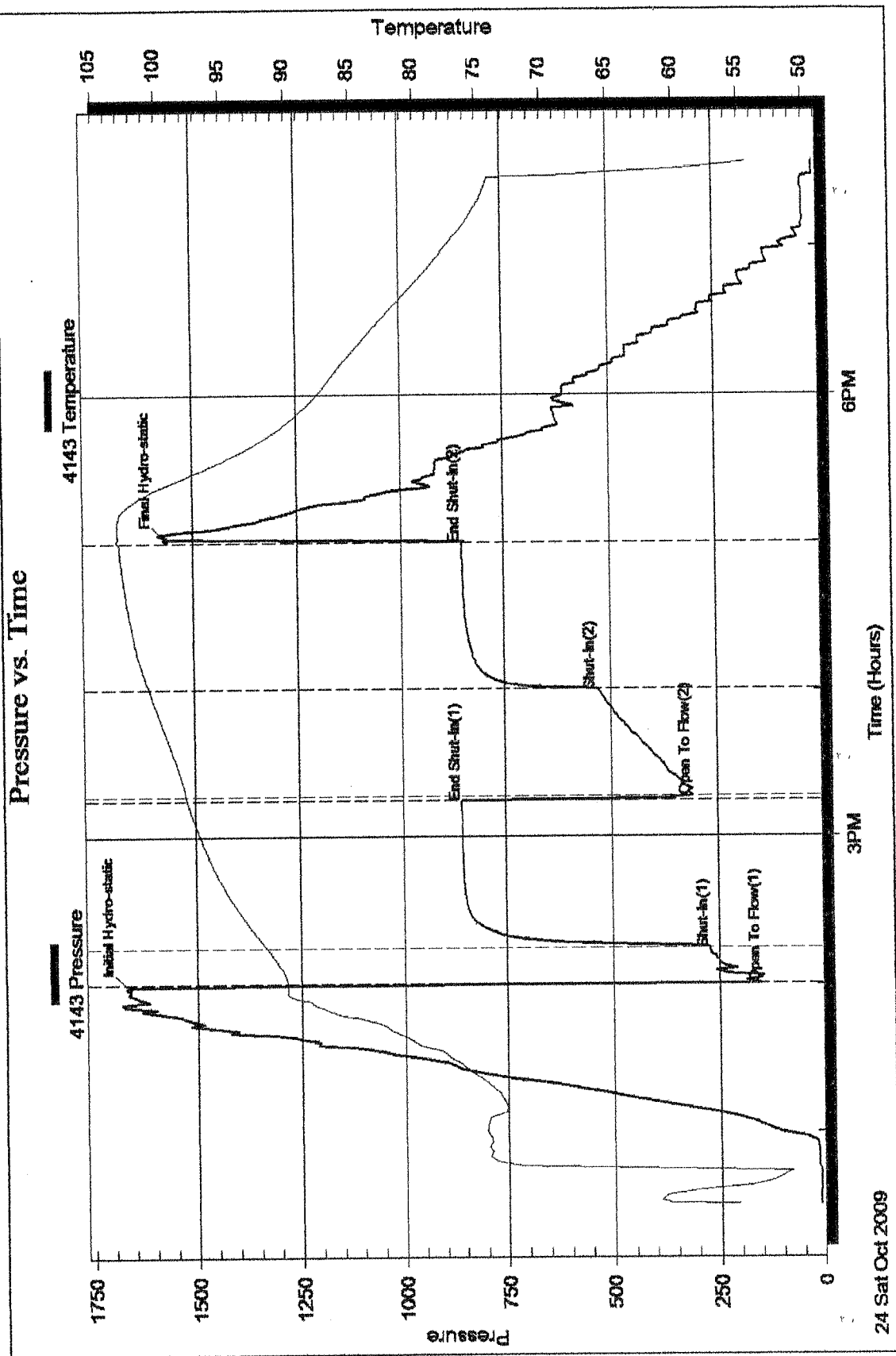
DST Test Number: 1

22-21s-13w

Outside Globe Operating Inc.

Serial #: 4143

Pressure vs. Time



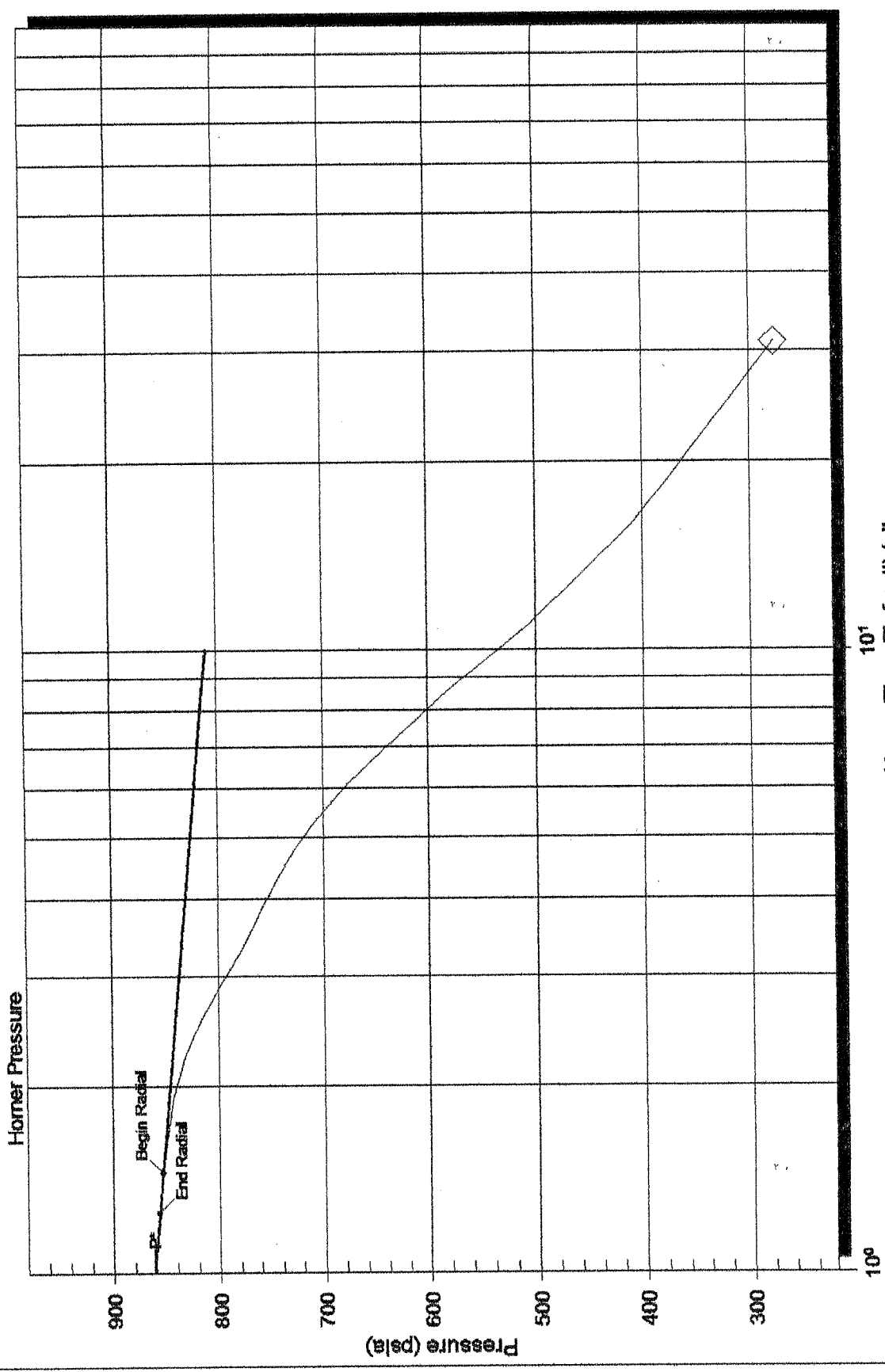
Printed: 2009.10.27 @ 13:33:11

Ref. No: 16236

Superior Testers Enterprises LLC

Horner Plot

Horner Pressure



Serial Number: 4143 (Outside)

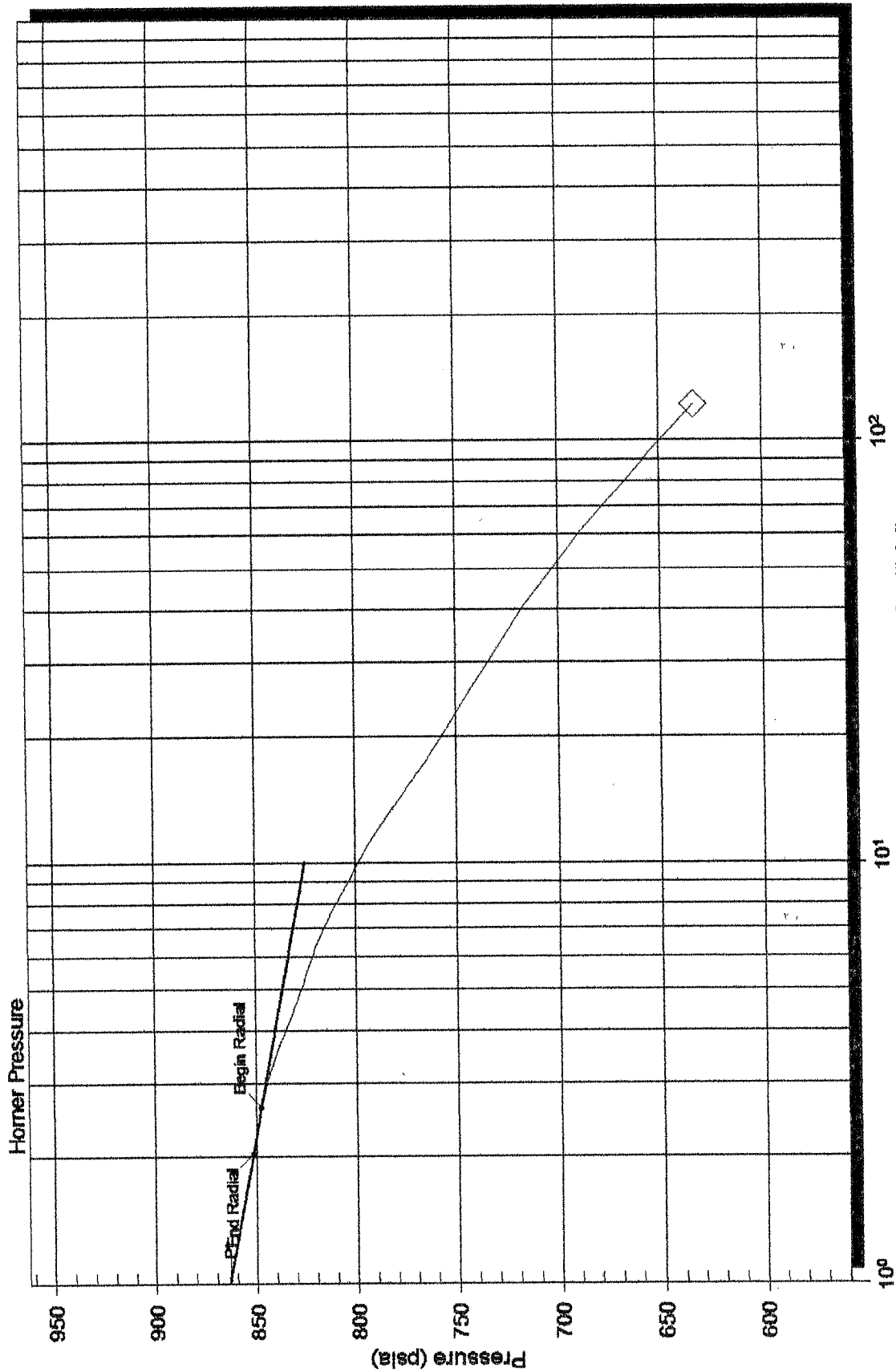
$P^* : 861.88$

Slope (m) : 51.86 kpa/log cycle

Flow Cycle: 1

Horner Plot

Horner Pressure

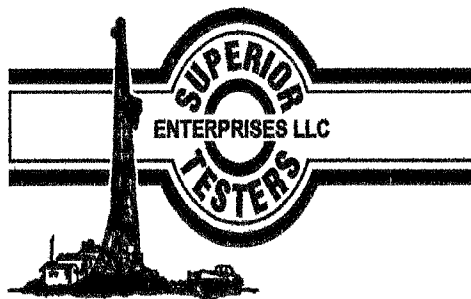


Serial Number: 4143 (Outside)

P* : 863.46

Slope (m) : 38.5 kpa/log cycle

Flow Cycle: 2



DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12
Great Bend ,Kansas 67530

ATTN: Ed Glassman

22-21s-13w

Schultz #5

Start Date: 2009.10.25 @ 09:00:00

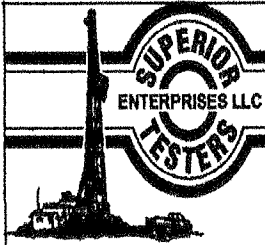
End Date: 2009.10.25 @ 16:17:14

Job Ticket #: 16237 DST #: 2

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

Printed: 2009.10.27 @ 13:31:29

Globe Operating Inc. Schultz #5 22-21s-13w DST # 2 Kansas City 2009.10.25



DRILL STEM TEST REPORT

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

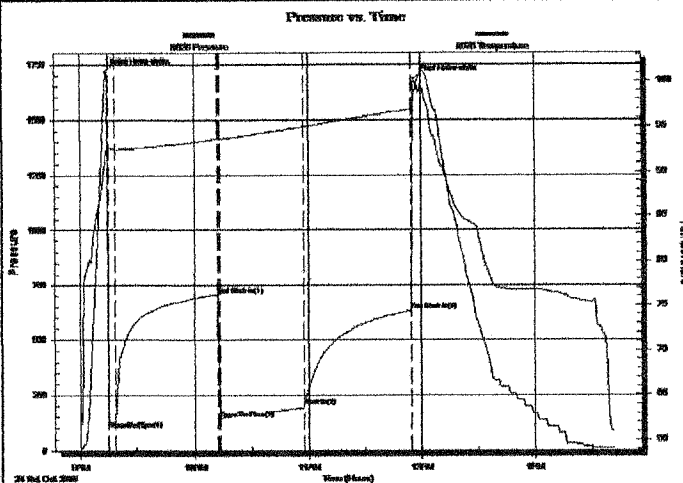
Schultz #5
22-21s-13w
Job Ticket: 16237 **DST#: 2**
Test Start: 2009.10.25 @ 09:00:00

GENERAL INFORMATION:

Formation: **Kansas City**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 11:50:14
Time Test Ended: 16:17:14
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Gene Budig**
Unit No: **3335-26**
Interval: **3557.00 ft (KB) To 3629.00 ft (KB) (TVD)**
Reference Elevations: **1875.00 ft (KB)**
Total Depth: **3629.00 ft (KB) (TVD)**
1870.00 ft (CF)
Hole Diameter: **7.89 inches** Hole Condition: **Fair**
KB to GR/CF: **5.00 ft**

Serial #: 8525 **Inside**
Press@RunDepth: **201.09 psia @ 3625.16 ft (KB)** Capacity: **5000.00 psia**
Start Date: **2009.10.24** End Date: **2009.10.24** Last Calib.: **2009.10.24**
Start Time: **09:00:00** End Time: **13:42:30** Time On Btm: **2009.10.24 @ 09:14:00**
Time Off Btm: **2009.10.24 @ 11:56:30**

TEST COMMENT: 15 Minutes 1st Flow fair blow built to the bottom of a 5 gallon bucket in 8 minutes
60 Minutes 1st Shut-In did get a blow back
45 Minutes 2nd Flow good blow built to the bottom of a 5 gallon bucket in 1 minute
60 Minutes 2nd Shut-In gas to surface in 35 minutes



PRESSURE SUMMARY

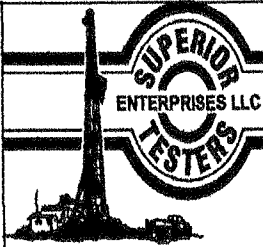
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1717.63	92.23	Initial Hydro-static
2	98.85	92.68	Open To Flow (1)
5	128.84	92.50	Shut-In (1)
58	706.50	93.63	End Shut-In (1)
59	145.33	93.61	Open To Flow (2)
104	201.09	94.97	Shut-In (2)
161	634.35	96.90	End Shut-In (2)
163	1682.92	98.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	Clean oil 60% gas 40% Oil	3.51
180.00	muddy frothy gassy oil 5% m 10% w ater	2.52

Gas Rates

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

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

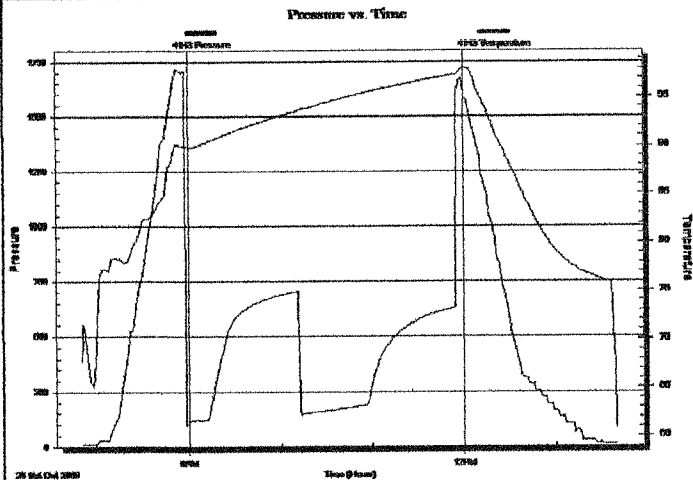
Schultz #5
22-21s-13w
Job Ticket: 16237 **DST#: 2**
Test Start: 2009.10.25 @ 09:00:00

GENERAL INFORMATION:

Formation: **Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:50:14
Time Test Ended: 16:17:14
Interval: **3557.00 ft (KB) To 3629.00 ft (KB) (TVD)**
Total Depth: 3629.00 ft (KB) (TVD)
Hole Diameter: 7.89 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Reference Elevations: 1875.00 ft (KB)
1870.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 4143 Outside
Press@RunDepth: psia @ 3626.16 ft (KB)
Start Date: 2009.10.24 End Date: 2009.10.24 Capacity: 5000.00 psia
Start Time: 07:51:01 End Time: 13:39:16 Last Calib.: 2009.10.24
Time On Btm: Time Off Btm:

TEST COMMENT: 15 Minutes 1st Flow fair blow built to the bottom of a 5 gallon bucket in 8 minutes
60 Minutes 1st Shut-In did get a blow back
45 Minutes 2nd Flow good blow built to the bottom of a 5 gallon bucket in 1 minute
60 Minutes 2nd Shut-In gas to surface in 35 minutes



PRESSURE SUMMARY

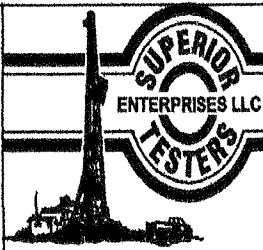
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
370.00	Clean oil 60% gas 40% Oil	3.51
180.00	muddy frothy gassy oil 5% m 10% w ater	2.52

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Globe Operating Inc.

Schultz #5

P.O.Box 12
Great Bend ,Kansas 67530

22-21s-13w

Job Ticket: 16237

DST#: 2

ATTN: Ed Glassman

Test Start: 2009.10.25 @ 09:00:00

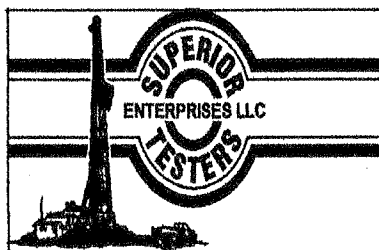
Tool Information

Drill Pipe:	Length: 3450.00 ft	Diameter: 3.80 inches	Volume: 48.39 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: 120.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	15000.00 lb
			Total Volume: 48.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3557.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.16 ft				
Tool Length:	93.16 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			3537.00	
Shut-In Tool	5.00			3542.00	
Hydraulic Tool	5.00			3547.00	
Recorder	5.00			3552.00	
Packer	5.00			3557.00	21.00 Bottom Of Top Packer
Change Over Sub	0.75			3557.75	
Drill Pipe	31.66			3589.41	
Change Over Sub	0.75			3590.16	
Perforations	34.00			3624.16	
Recorder	1.00	8525	Inside	3625.16	
Recorder	1.00	4143	Outside	3626.16	
Bullnose	3.00			3629.16	72.16 Anchor Tool

Total Tool Length: 93.16



DRILL STEM TEST REPORT

FLUID SUMMARY

Globe Operating Inc.

Schultz #5

P.O.Box 12
Great Bend ,Kansas 67530

22-21s-13w

Job Ticket: 16237

DST#: 2

ATTN: Ed Glassman

Test Start: 2009.10.25 @ 09:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psia

Oil API:

deg API

Water Salinity:

19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	Clean oil 60% gas 40% Oil	3.507
180.00	muddy frothy gassy oil 5% m 10% water	2.525

Total Length: 550.00 ft

Total Volume: 6.032 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 180 feet frothy oil would not separate chlorides 19000

Gas to surface in 35 minutes into the 2nd shut-in



DRILL STEM TEST REPORT

GAS RATES

Globe Operating Inc.

Schultz #5

P.O.Box 12
Great Bend ,Kansas 67530

22-21s-13w

Job Ticket: 16237

DST#: 2

ATTN: Ed Glassman

Test Start: 2009.10.25 @ 09:00:00

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

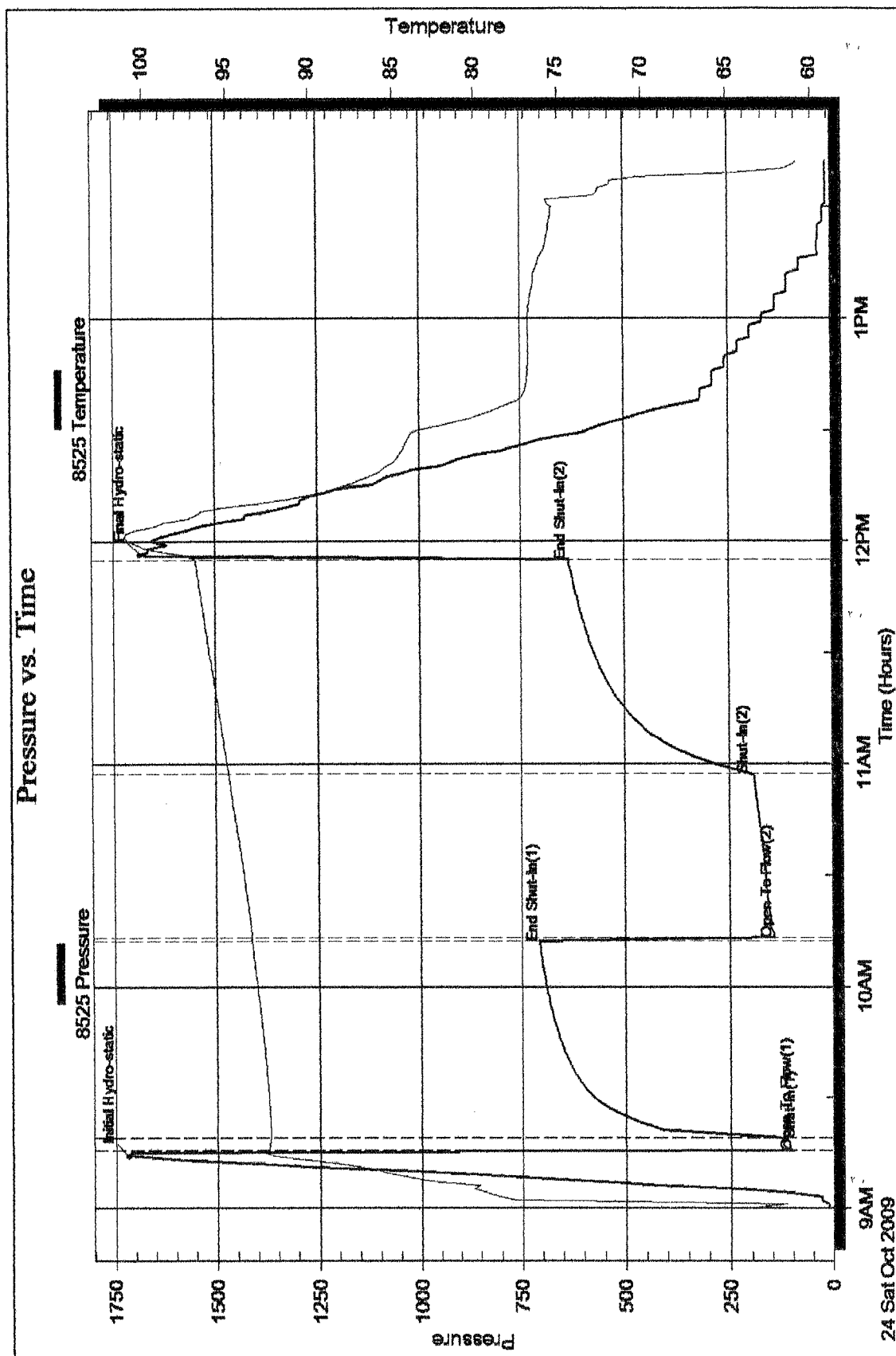
DST Test Number: 2

22-21s-13w

Inside Globe Operating Inc.

Serial #: 8525

Pressure vs. Time



Printed: 2009.10.27 @ 13:31:31

Ref. No: 16237

Superior Testers Enterprises LLC

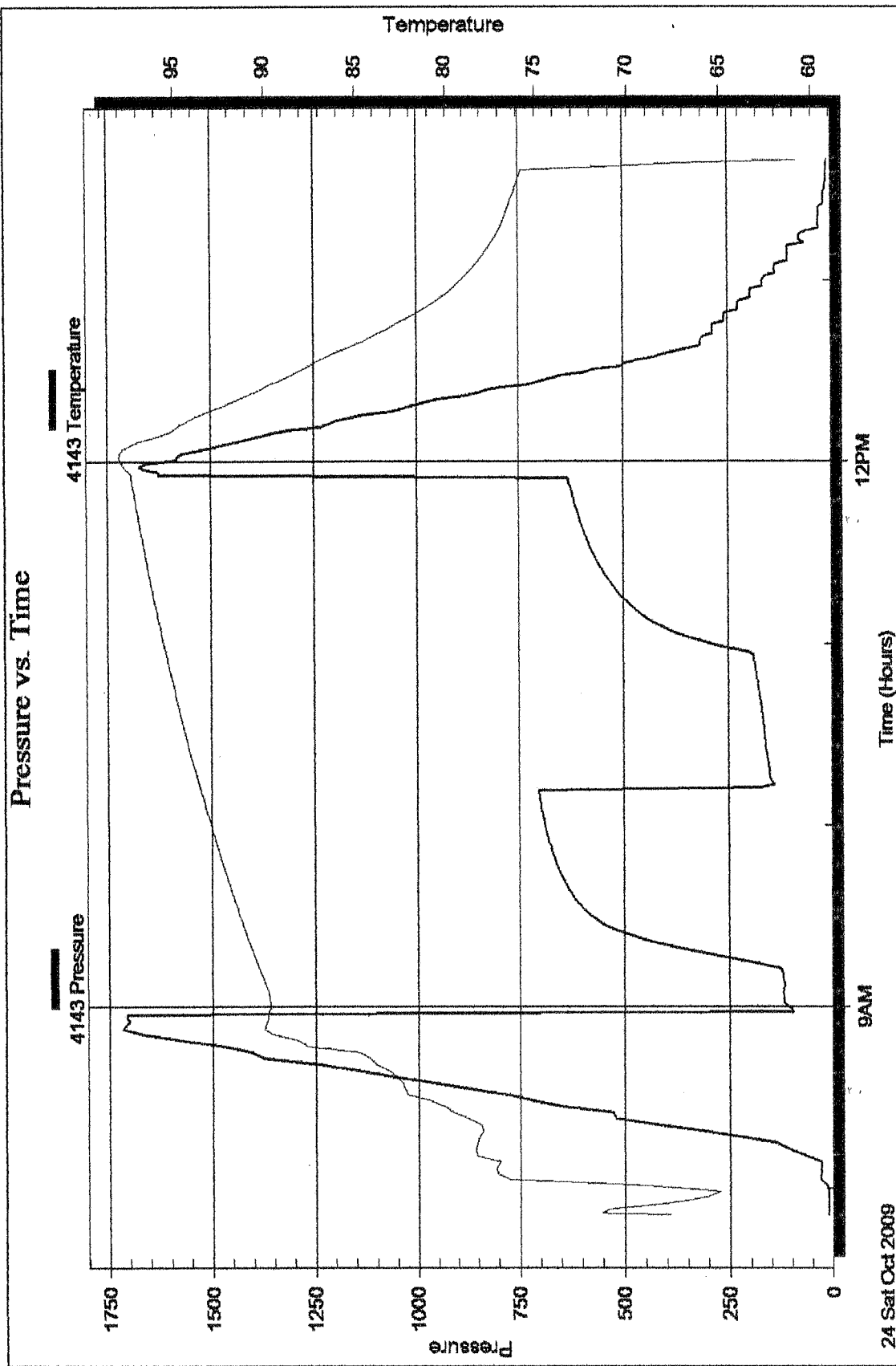
DST Test Number: 2

22-21s-13w

Outside Globe Operating Inc.

Serial #: 4143

Pressure vs. Time



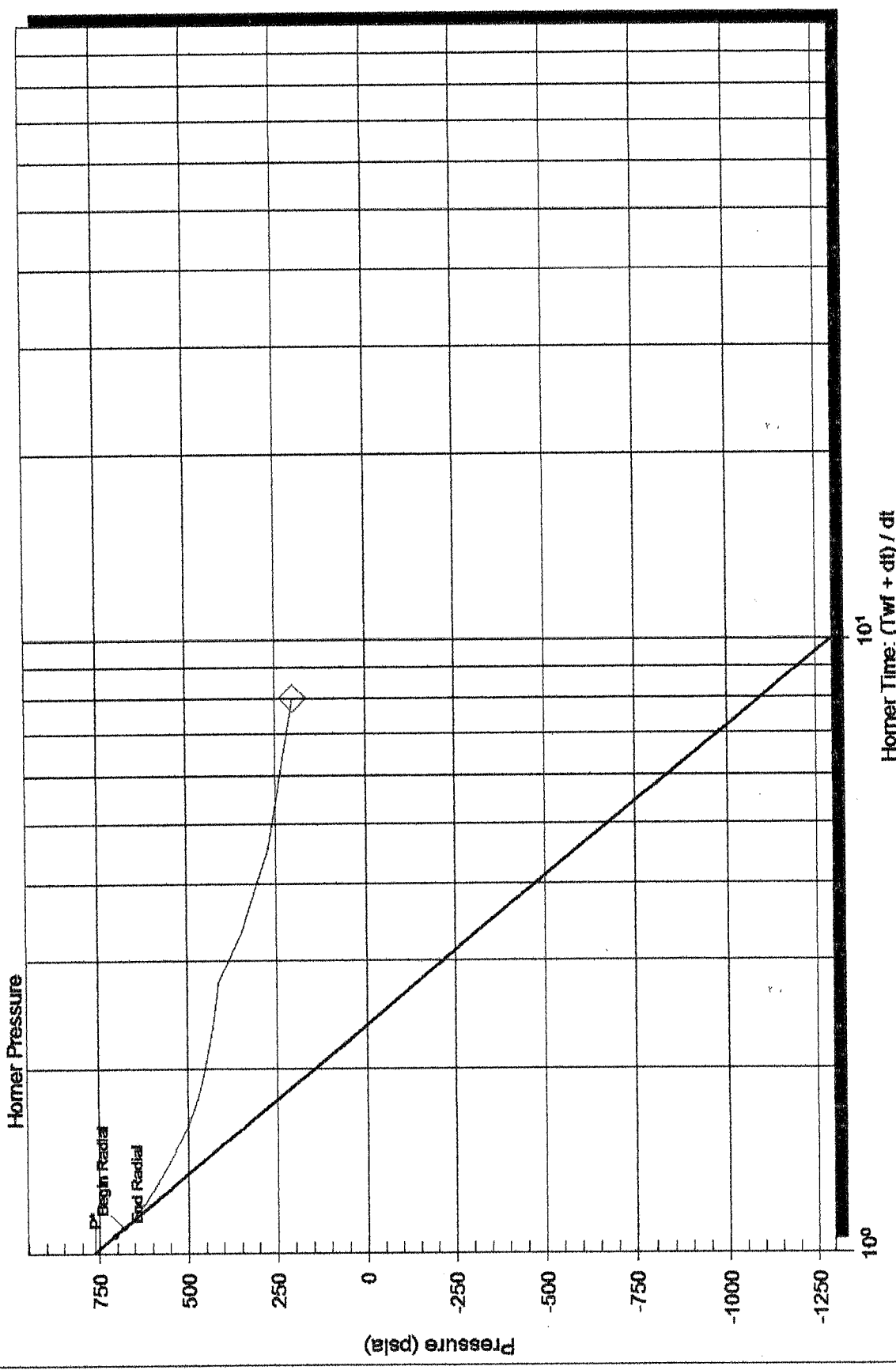
Printed: 2009.10.27 @ 13:31:32

Ref. No: 16237

Superior Testers Enterprises LLC

Horner Plot

Horner Pressure



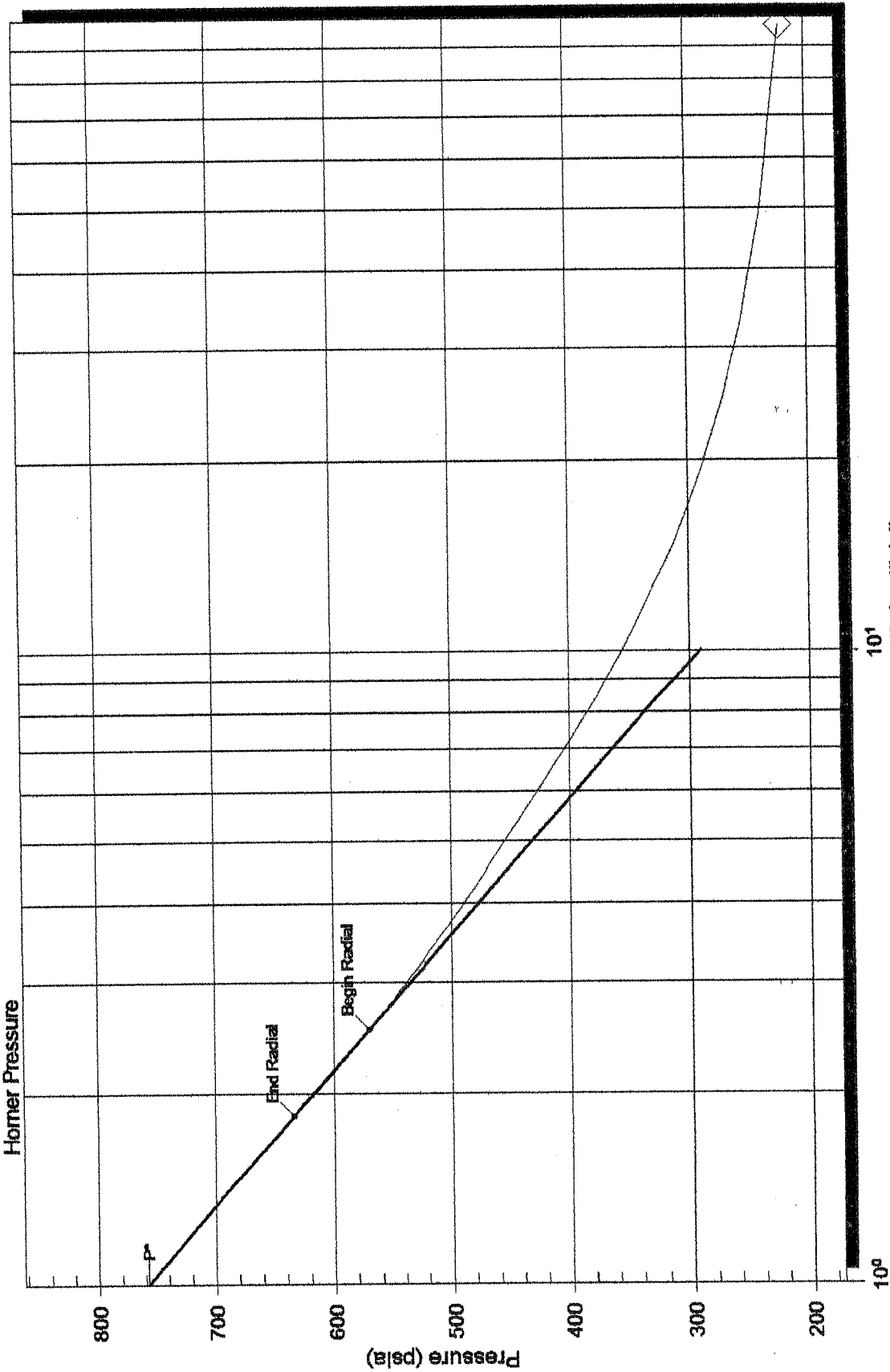
Serial Number: 8525 (inside)

P* : 763.6 Slope (m) : 2058.62 kpa/log cycle

Flow Cycle: 1

Horner Plot

Horner Pressure



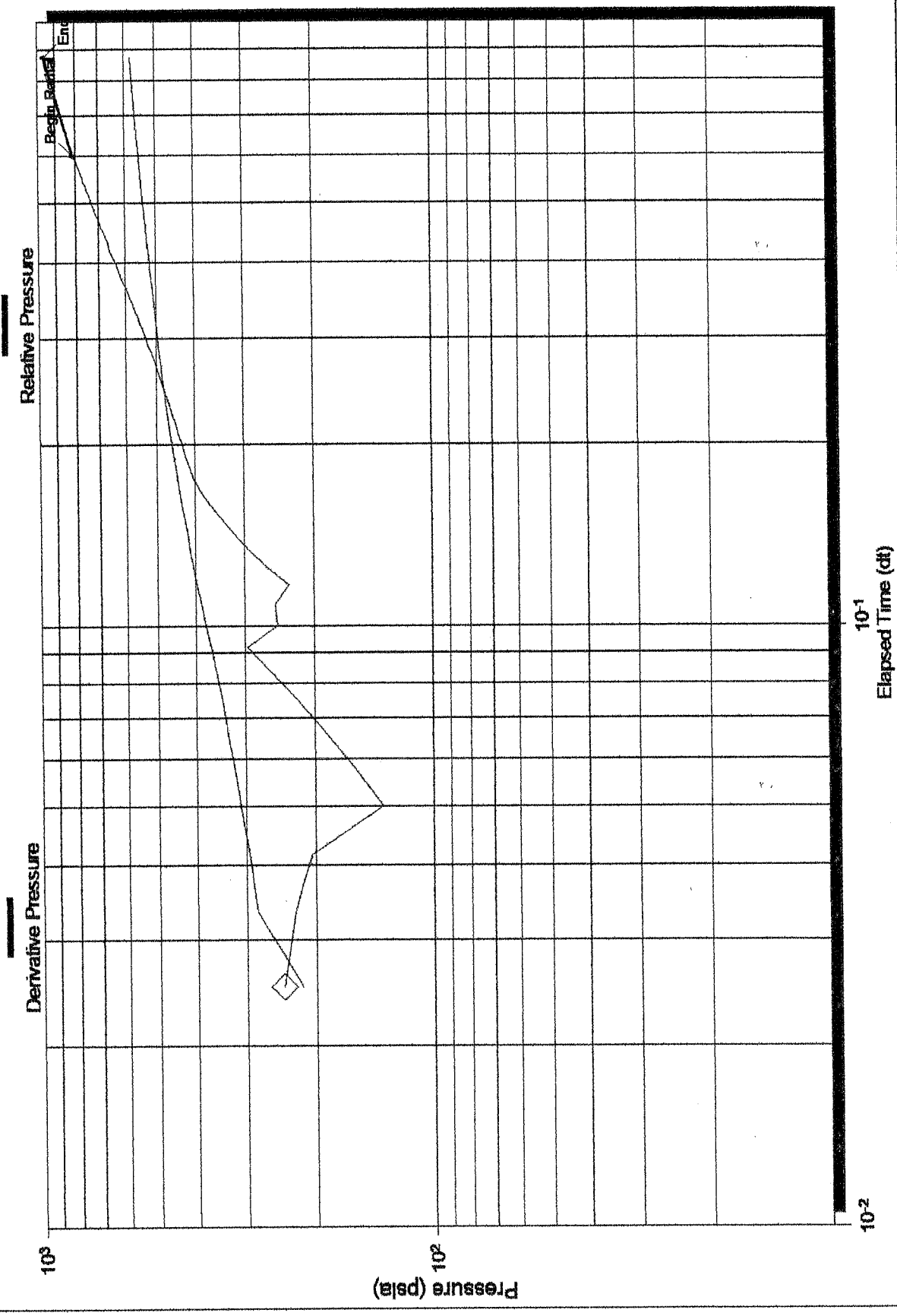
Serial Number: 8525 (Inside)

$P^* : 757.42$

Slope (m) : 466.68 kpa/log cycle

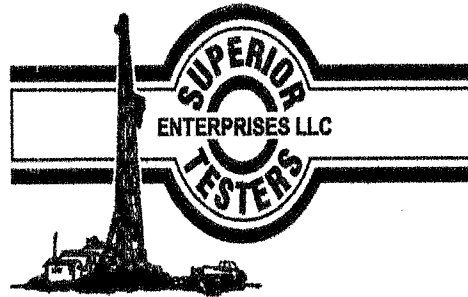
Flow Cycle: 2

Log-Log and Pseudo-Derivative



Serial Number: 8525 (Inside)

Flow Cycle: 1



DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12
Great Bend ,Kansas 67530

ATTN: Ed Glassman

22-21s-13w

Schultz #5

Start Date: 2009.10.25 @ 01:45:00

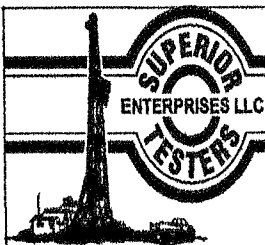
End Date: 2009.10.25 @ 00:00:00

Job Ticket #: 16238 DST #: 3

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

Printed: 2009.10.27 @ 13:30:08

Globe Operating Inc. Schultz #5 22-21s-13w DST # 3 Arbuckle 2009.10.25



DRILL STEM TEST REPORT

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

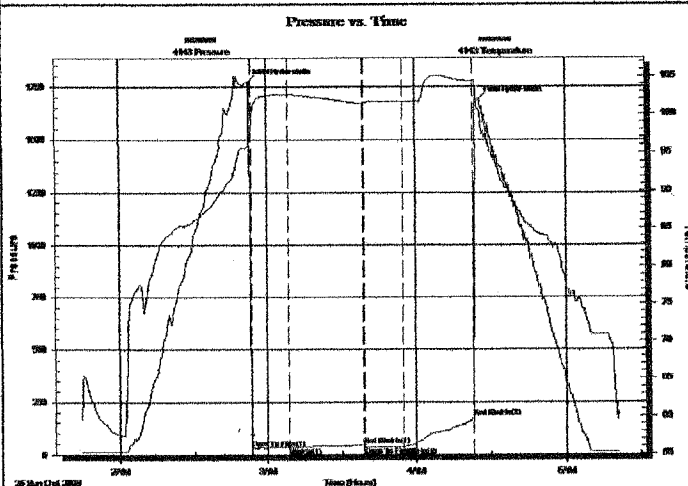
Schultz #5
22-21s-13w
Job Ticket: 16238 **DST#: 3**
Test Start: 2009.10.25 @ 01:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00
Interval: **3611.00 ft (KB) To 3620.00 ft (KB) (TVD)**
Total Depth: 3620.00 ft (KB) (TVD)
Hole Diameter: 7.89 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Reference Elevations: 1875.00 ft (KB)
1870.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 4143 Outside
Press@RunDepth: 176.75 psia @ 3617.00 ft (KB)
Start Date: 2009.10.25 End Date: 2009.10.25
Start Time: 01:45:01 End Time: 05:21:16
Capacity: 5000.00 psia
Last Calib.: 2009.10.25
Time On Btm: 2009.10.25 @ 02:52:16
Time Off Btm: 2009.10.25 @ 04:25:16

TEST COMMENT: 1st Opening 15 Minutes -Weak surface blow for 10 minutes and died
1st Shut-In 30 Minutes no blow back
2nd Opening 15 Minutes-Very weak intermittent surface blow through out
2nd Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

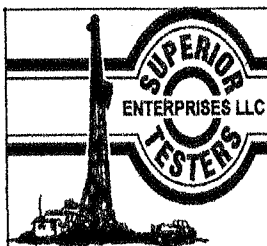
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1769.01	95.90	Initial Hydro-static
1	32.44	97.46	Open To Flow (1)
17	33.69	102.62	Shut-In(1)
47	41.99	101.33	End Shut-In(1)
47	32.38	101.38	Open To Flow (2)
63	33.49	101.66	Shut-In(2)
92	176.75	104.33	End Shut-In(2)
93	1684.16	100.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Cut Mud	0.03

Gas Rates

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

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

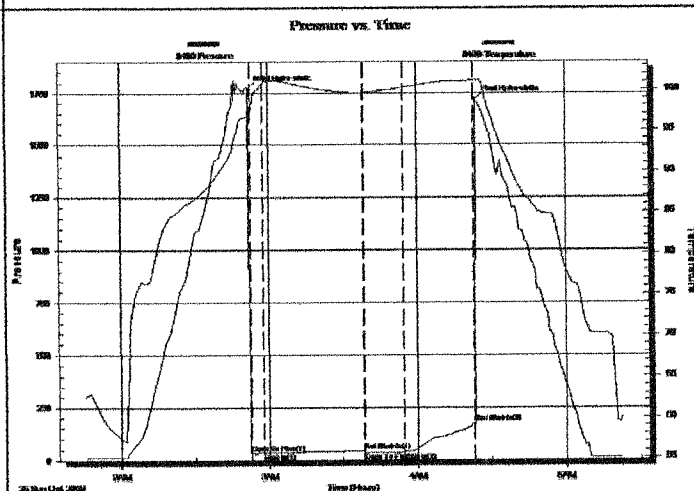
Schultz #5
22-21s-13w
Job Ticket: 16238 **DST#: 3**
Test Start: 2009.10.25 @ 01:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00
Interval: **3611.00 ft (KB) To 3620.00 ft (KB) (TVD)**
Total Depth: 3620.00 ft (KB) (TVD)
Hole Diameter: 7.89 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Reference Elevations: 1875.00 ft (KB)
1870.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8400 **Inside**
Press@RunDepth: 177.57 psia @ 3616.00 ft (KB) Capacity: 5000.00 psia
Start Date: 2009.10.25 End Date: 2009.10.25 Last Calib.: 2009.10.25
Start Time: 01:46:00 End Time: 05:22:30 Time On Btm: 2009.10.25 @ 02:52:00
Time Off Btm: 2009.10.25 @ 04:24:00

TEST COMMENT: 1st Opening 15 Minutes -Weak surface blow for 10 minutes and died
1st Shut-In 30 Minutes no blow back
2nd Opening 15 Minutes-Very weak intermittent surface blow through out
2nd Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

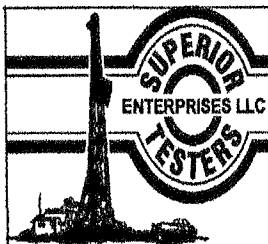
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1773.05	96.71	Initial Hydro-static
1	34.12	96.29	Open To Flow (1)
6	32.58	100.82	Shut-In(1)
47	43.03	99.51	End Shut-In(1)
47	32.55	99.50	Open To Flow (2)
63	34.54	100.26	Shut-In(2)
91	177.57	101.13	End Shut-In(2)
92	1717.82	101.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Cut Mud	0.03

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

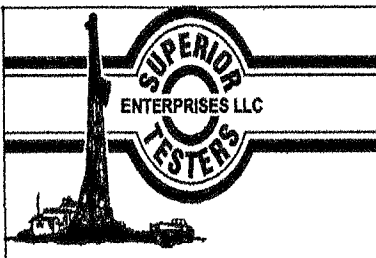
Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16238 **DST#: 3**
Test Start: 2009.10.25 @ 01:45:00

Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.80 inches	Volume: 48.76 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.76 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.50 inches	Volume: 0.73 bbl	Weight to Pull Loose:	15000.00 lb
		Total Volume:	- bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3611.00 ft			Final	40000.00 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 Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3591.00		
Shut-In Tool	5.00			3596.00		
Hydraulic Tool	5.00			3601.00		
Packer	5.00			3606.00	21.00	Bottom Of Top Packer
Packer	5.00			3611.00		
Perforations	4.00			3615.00		
Recorder	1.00	8400	Inside	3616.00		
Recorder	1.00	4143	Outside	3617.00		
Bullnose	3.00			3620.00	9.00	Bottom Packers & Anchor
Total Tool Length:	30.00					



DRILL STEM TEST REPORT

FLUID SUMMARY

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16238 **DST#: 3**
Test Start: 2009.10.25 @ 01:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 9000.00 ppm
Filter Cake: 1.00 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	Oil Cut Mud	0.030

Total Length: 5.00 ft Total Volume: 0.030 bbl

Num Fluid Samples: 0

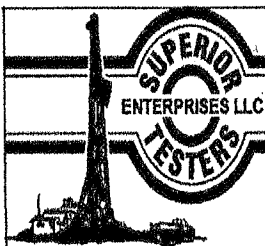
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16238 **DST#: 3**
Test Start: 2009.10.25 @ 01:45:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

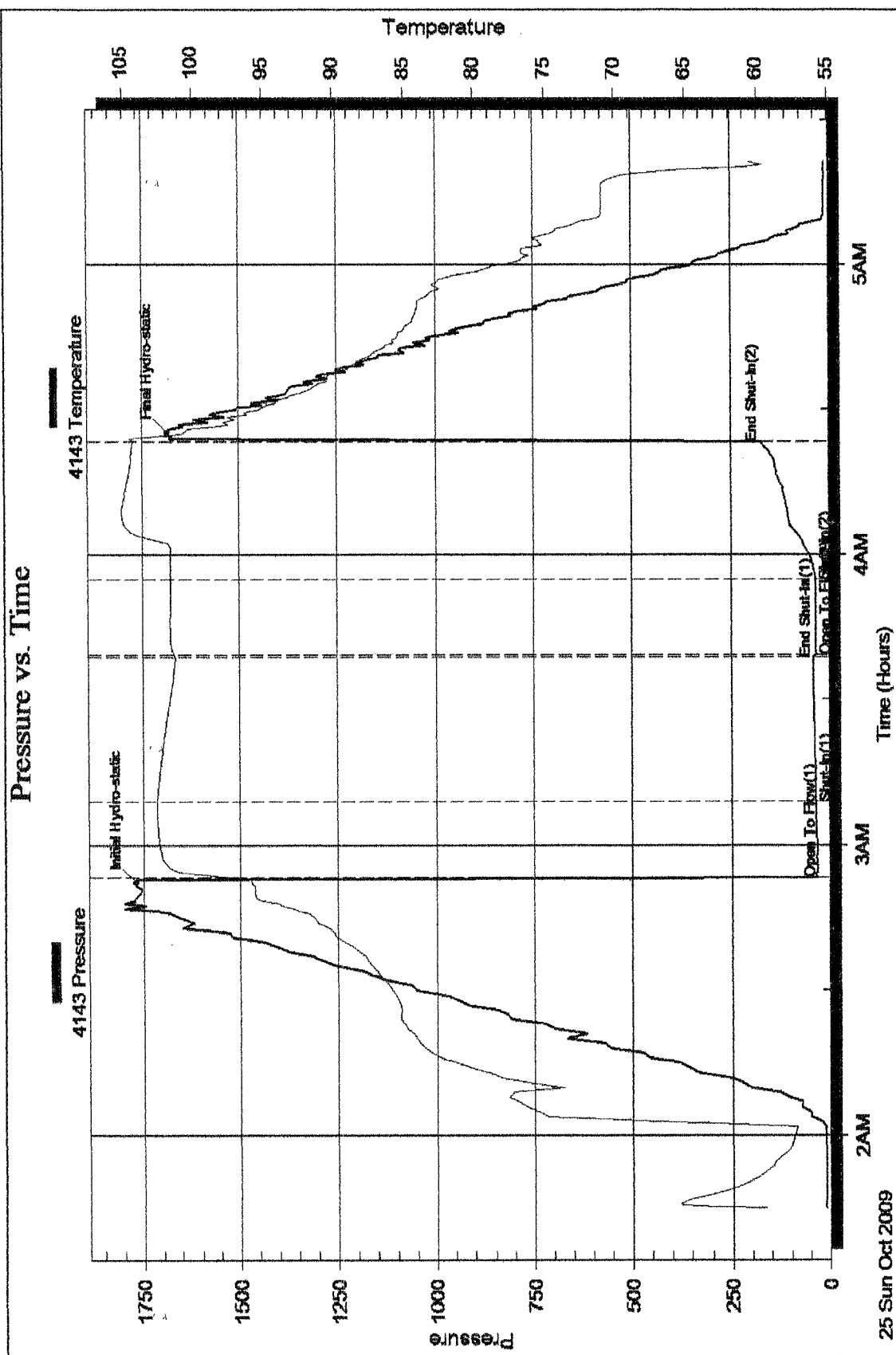
DST Test Number: 3

22-21s-13w

Outside Globe Operating Inc.

Serial #: 4143

Pressure vs. Time



Printed: 2009.10.27 @ 13:30:09

Ref. No: 16238

Superior Testers Enterprises LLC

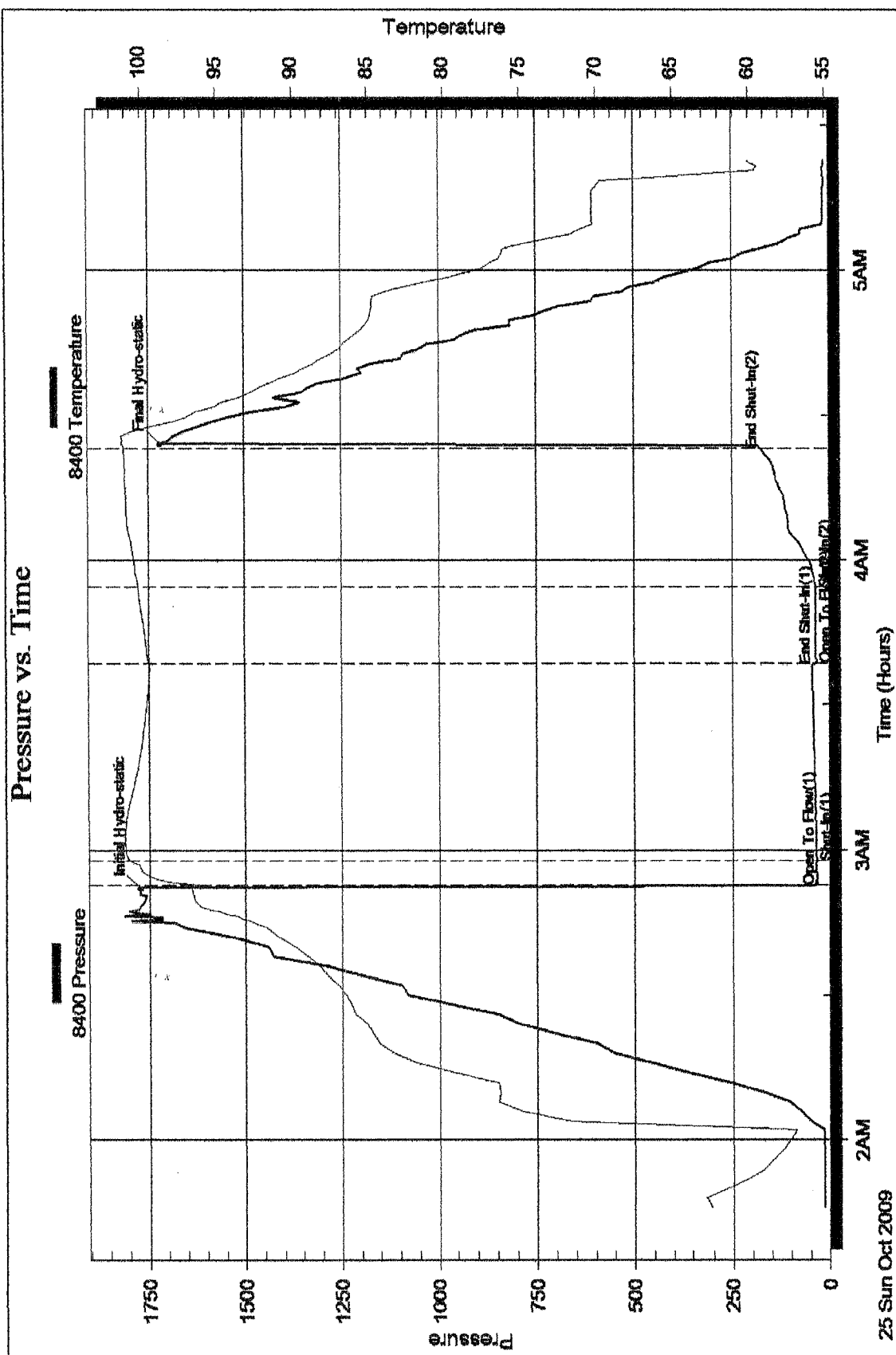
DST Test Number: 3

22-21s-13w

Inside Globe Operating Inc.

Serial #: 8400

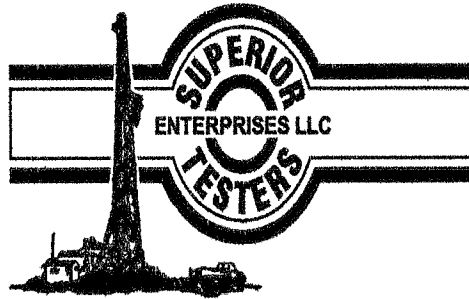
Pressure vs. Time



Printed: 2009.10.27 @ 13:30:10

Ref. No: 16238

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12
Great Bend ,Kansas 67530

ATTN: Ed Glassman

22-21s-13w

Schultz #5

Start Date: 2009.10.26 @ 01:45:00

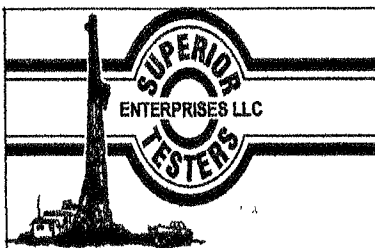
End Date: 2009.10.26 @ 09:37:15

Job Ticket #: 16235 DST #: 4

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

Printed: 2009.10.27 @ 13:28:30

Globe Operating Inc. Schultz #5 22-21s-13w DST # 4 arbuckle 2009.10.26



DRILL STEM TEST REPORT

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

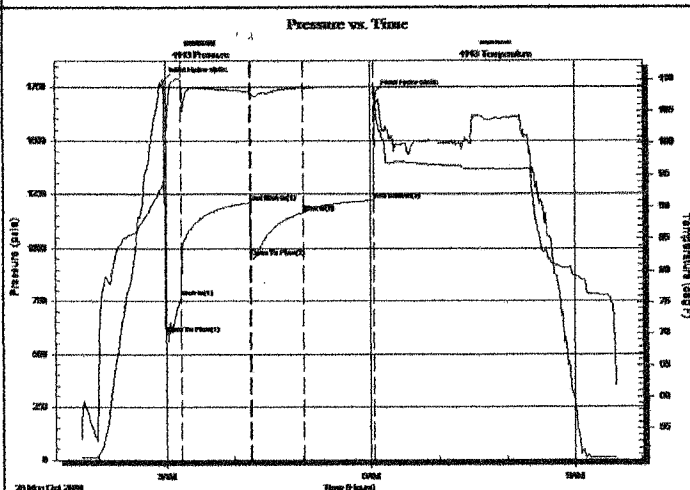
Schultz #5
22-21s-13w
Job Ticket: 16235 **DST#: 4**
Test Start: 2009.10.26 @ 01:45:00

GENERAL INFORMATION:

Formation: **arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:00:16
Time Test Ended: 09:37:15
Interval: **3612.00 ft (KB) To 2634.00 ft (KB) (TVD)**
Total Depth: 3634.00 ft (KB) (TVD)
Hole Diameter: 7.89 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Reference Elevations: 1875.00 ft (KB)
1870.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 4143 Outside
Press@RunDepth: 1163.97 psia @ 3631.00 ft (KB)
Start Date: 2009.10.26 End Date: 2009.10.26
Start Time: 01:45:01 End Time: 09:37:16
Capacity: 5000.00 psia
Last Calib.: 2009.10.26
Time On Btm: 2009.10.26 @ 02:58:16
Time Off Btm: 2009.10.26 @ 06:04:16

TEST COMMENT: 1st Flow - 15 Minutes-Strong blow built to the bottom of a 5 gallon bucket in 30 seconds
1st Shut-In 60 Minutes-Good Blow back
2nd Flow 45 Minutes-Strong blow gas to surface in 10 minutes
2nd Shut-In 60 Minutes-Good blow back



PRESSURE SUMMARY

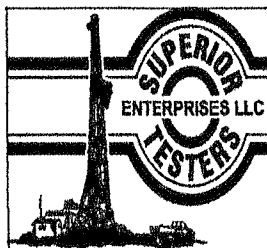
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1784.17	94.30	Initial Hydro-static
2	595.60	100.97	Open To Flow (1)
15	769.03	110.00	Shut-in(1)
77	1210.70	108.08	End Shut-in(1)
77	960.77	107.90	Open To Flow (2)
123	1163.97	108.65	Shut-in(2)
186	1221.58	108.75	End Shut-in(2)
186	1721.43	108.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3250.00	Clean Gassy Oil 40%g 60%O	44.50

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	7.93
Last Gas Rate	0.25	3.40	5.39
Max. Gas Rate	0.25	5.00	7.93



DRILL STEM TEST REPORT

Globe Operating Inc.
P.O.Box 12
Great Bend, Kansas 67530
ATTN: Ed Glassman

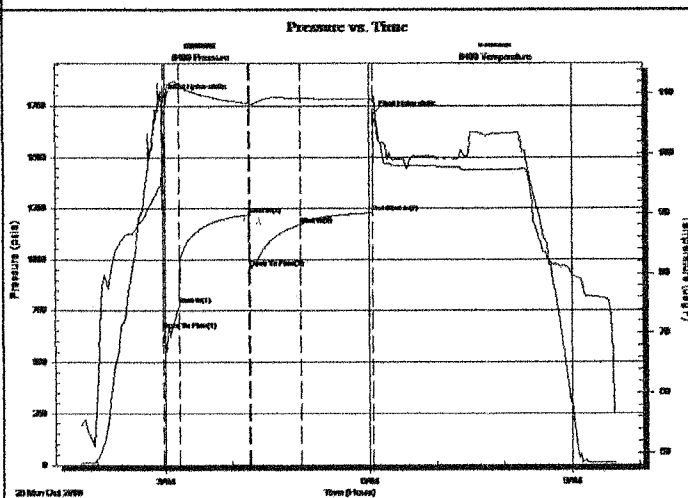
Schultz #5
22-21s-13w
Job Ticket: 16235 **DST#: 4**
Test Start: 2009.10.26 @ 01:45:00

GENERAL INFORMATION:

Formation: **arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:00:16
Time Test Ended: 09:37:15
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3335-26
Interval: **3612.00 ft (KB) To 2634.00 ft (KB) (TVD)**
Reference Elevations: 1875.00 ft (KB)
Total Depth: 3634.00 ft (KB) (TVD) 1870.00 ft (CF)
Hole Diameter: 7.89 inches-Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8400 Inside
Press@RunDepth: 1226.65 psia @ 3630.00 ft (KB) Capacity: 5000.00 psia
Start Date: 2009.10.26 End Date: 2009.10.26 Last Calib.: 2009.10.26
Start Time: 01:46:00 End Time: 09:40:00 Time On Btm: 2009.10.26 @ 02:58:30
Time Off Btm: 2009.10.26 @ 06:04:30

TEST COMMENT: 1st Flow - 15 Minutes-Strong blow built to the bottom of a 5 gallon bucket in 30 seconds
1st Shut-In 60 Minutes-Good Blow back
2nd Flow 45 Minutes-Strong blow gas to surface in 10 minutes
2nd Shut-In 60 Minutes-Good blow back



PRESSURE SUMMARY

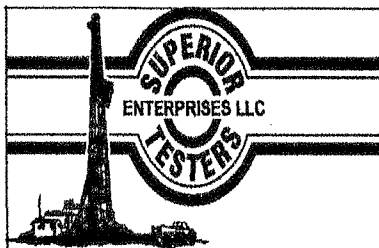
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1789.00	96.41	Initial Hydro-static
1	653.28	96.90	Open To Flow (1)
15	778.69	111.82	Shut-In (1)
76	1215.74	108.43	Shut-In (2)
77	960.32	108.29	Open To Flow (2)
122	1166.92	109.20	Shut-In (3)
186	1226.65	109.08	End Shut-In (1)
186	1706.71	109.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3250.00	Clean Gassy Oil 40%g 60%O	44.50

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	7.93
Last Gas Rate	0.25	3.40	5.39
Max. Gas Rate	0.25	5.00	7.93



DRILL STEM TEST REPORT

TOOL DIAGRAM

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

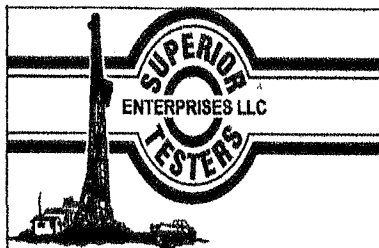
Schultz #5
22-21s-13w
Job Ticket: 16235 DST#: 4
Test Start: 2009.10.26 @ 01:45:00

Tool Information

Drill Pipe:	Length: 3477.00 ft	Diameter: 3.80 inches	Volume: 48.77 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	10000.00 lb
			Total Volume: 49.36 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3612.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	43.00 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			3592.00		
Shut-In Tool	5.00			3597.00		
Hydraulic Tool	5.00			3602.00		
Packer	5.00			3607.00	21.00	Bottom Of Top Packer
Packer	5.00			3612.00		
Perforations	17.00			3629.00		
Recorder	1.00	8400	Inside	3630.00		
Recorder	1.00	4143	Outside	3631.00		
Bullnose	3.00			3634.00	22.00	Bottom Packers & Anchor
Total Tool Length:	43.00					



DRILL STEM TEST REPORT

FLUID SUMMARY

Globe Operating Inc.
P.O.Box 12
Great Bend ,Kansas 67530
ATTN: Ed Glassman

Schultz #5
22-21s-13w
Job Ticket: 16235 **DST#: 4**
Test Start: 2009.10.26 @ 01:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 9000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia
Oil API: 41 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3250.00	Clean Gassy Oil 40%g 60%O	44.496

Total Length: 3250.00 ft Total Volume: 44.496 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

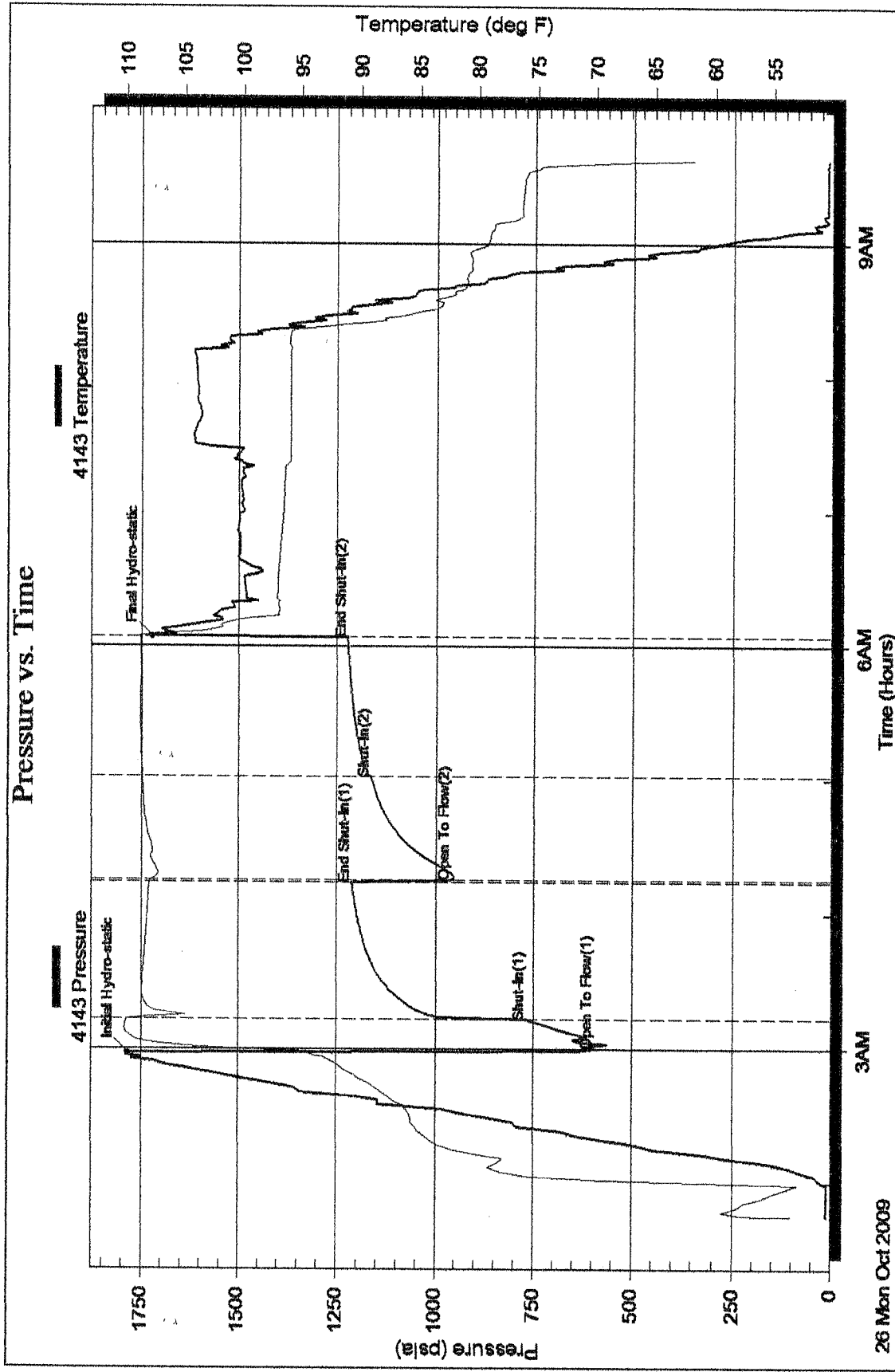
Recovery Comments:

Serial #: 4143

Outside Globe Operating Inc.

22-21s-13w

DST Test Number: 4



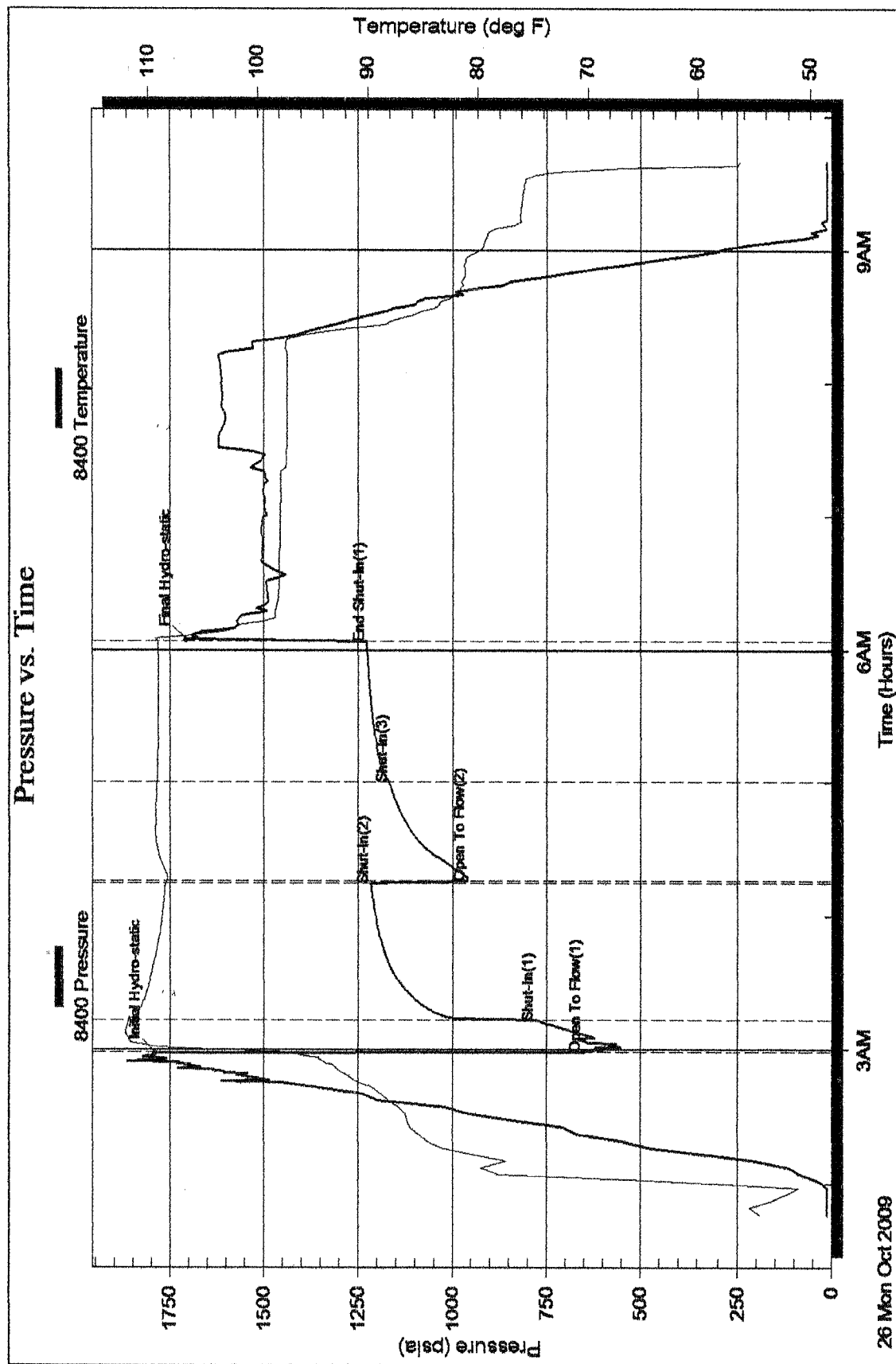
DST Test Number: 4

22-21s-13w

Inside Globe Operating Inc.

Serial #: 8400

Pressure vs. Time



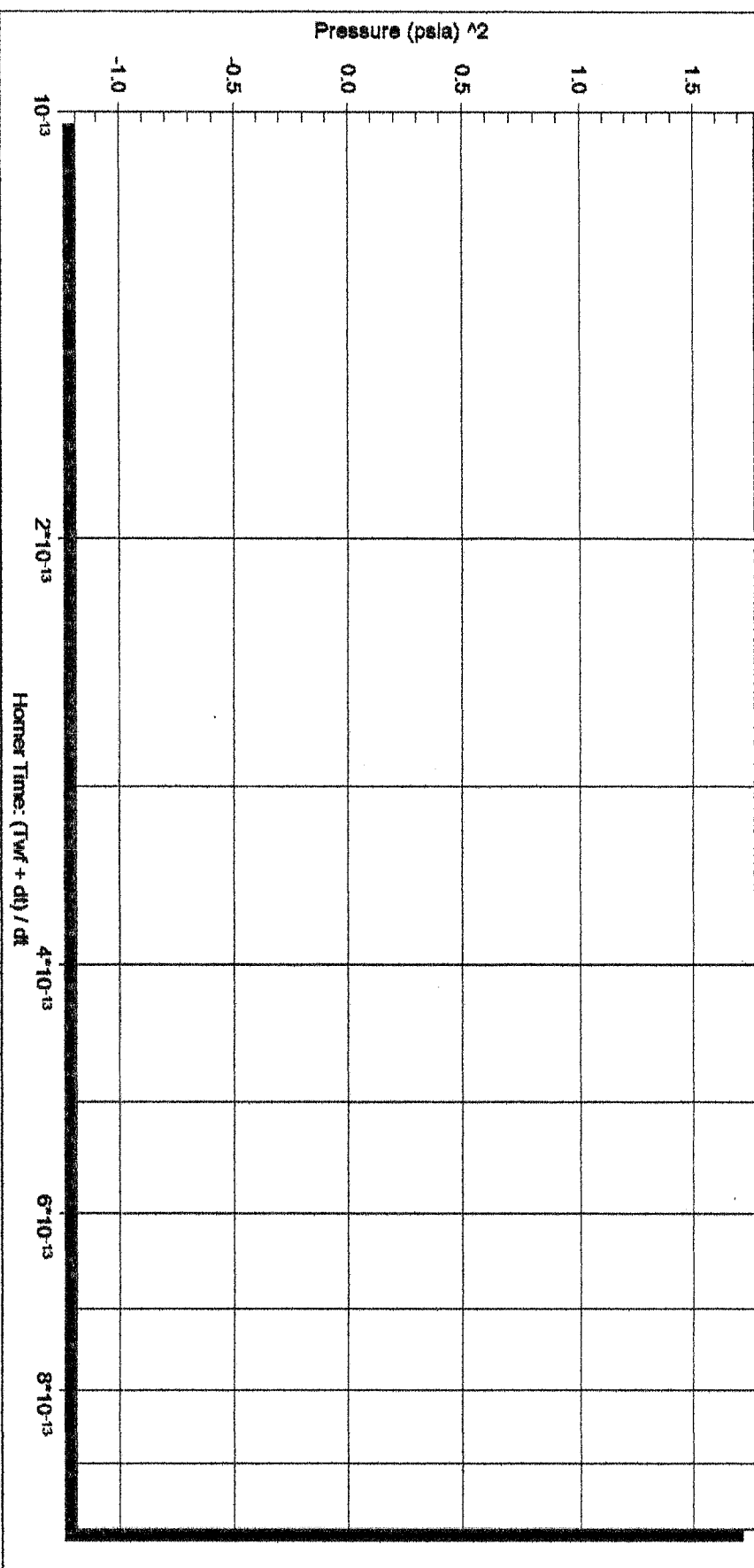
Printed: 2009.10.27 @ 13:28:31

Ref. No: 16235

Superior Testers Enterprises LLC

Homer Plot

Homer Pressure



Serial Number: 4143 (Outside)

Flow Cycle: -2147483648

Analysis (Fluid)

Inputs

Average Fluid Viscosity: 1.2
Total System Compress: 1E-7
Formation Volume Factor: 1.2

Net Pay Thickness: 5.0
Formation Porosity: 0.16
Water Saturation: 0.35

Initial Static Reservoir Pressure: 1243.94
Flowing Bottom Hole Pressure: 1163.97
Wellbore Radius: 3.94

Volume of Recovered Fluid: 44.5
Total Flowing Time: 0.9833

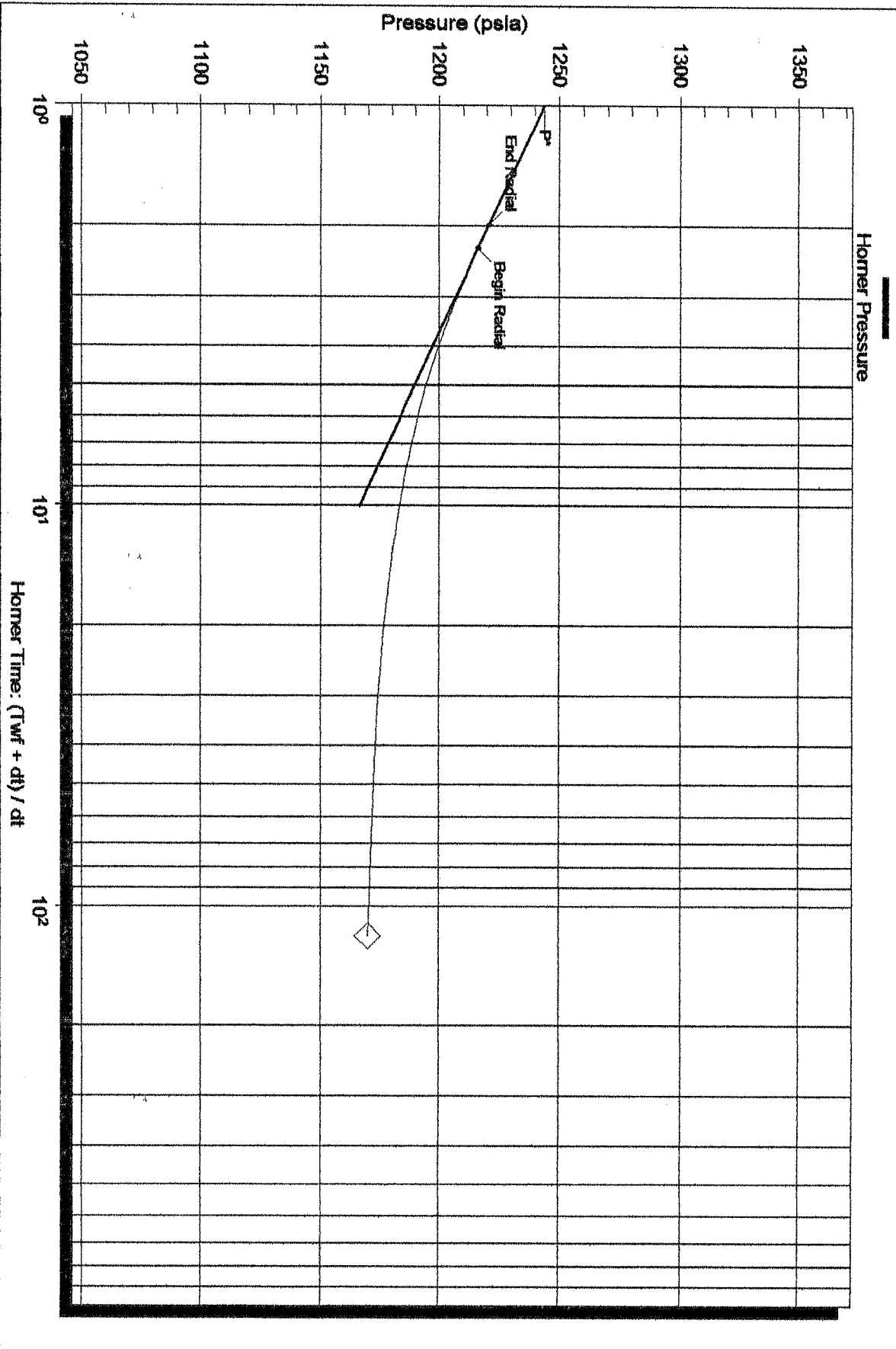
Outputs

Homer Slope (m): 77.56
Radius of Investigation: 249.71
Fluid Flow Rate: 44.0

Effective Permeability:
Apparent Skin Factor:
kt:

1075.89
-0.28
1639.65

Horner Plot



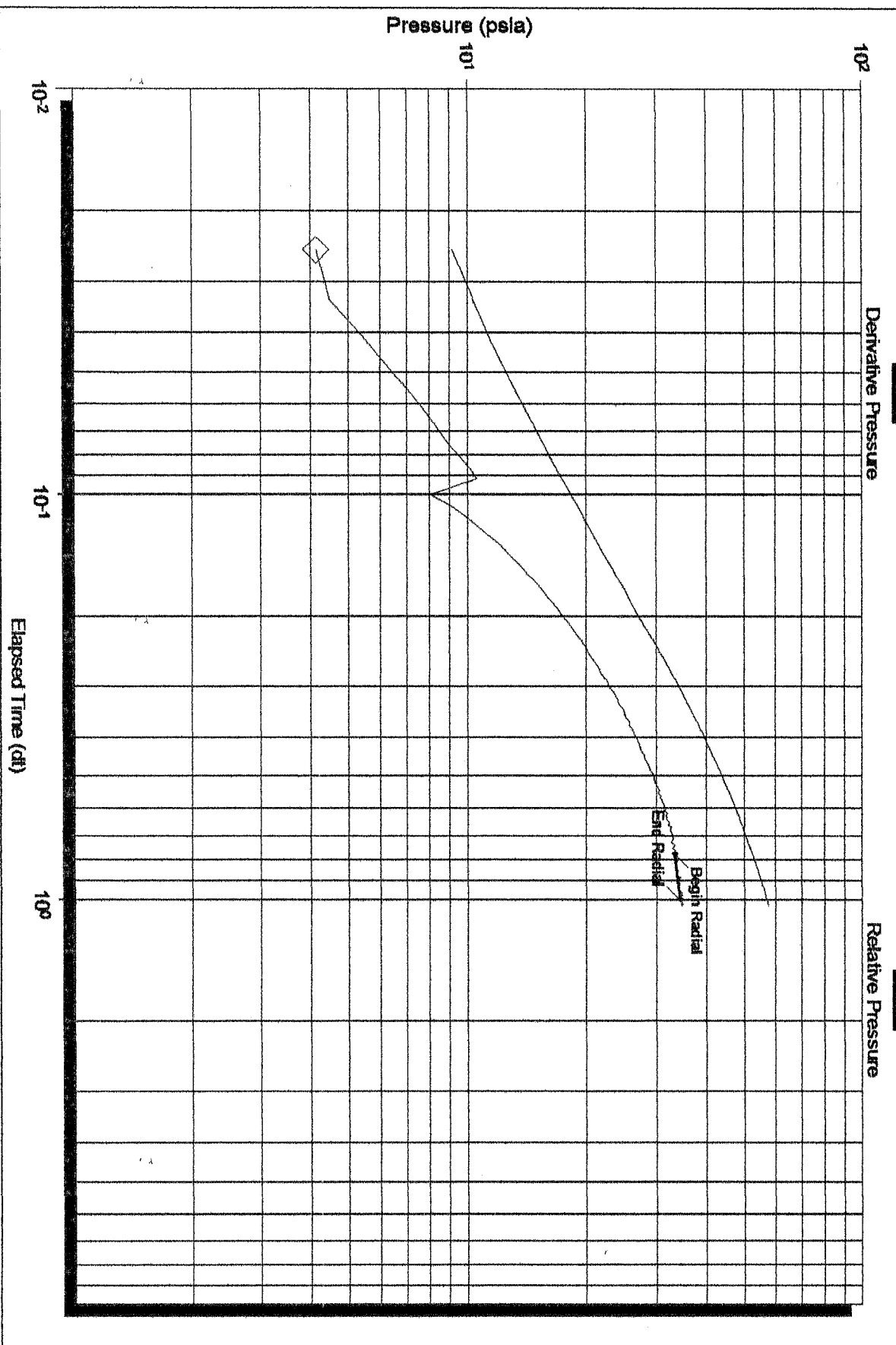
Serial Number: 4143 (Outside)

$P^* : 1243.94$

Slope (m) : 77.56 kpa/log cycle

Flow Cycle: 2

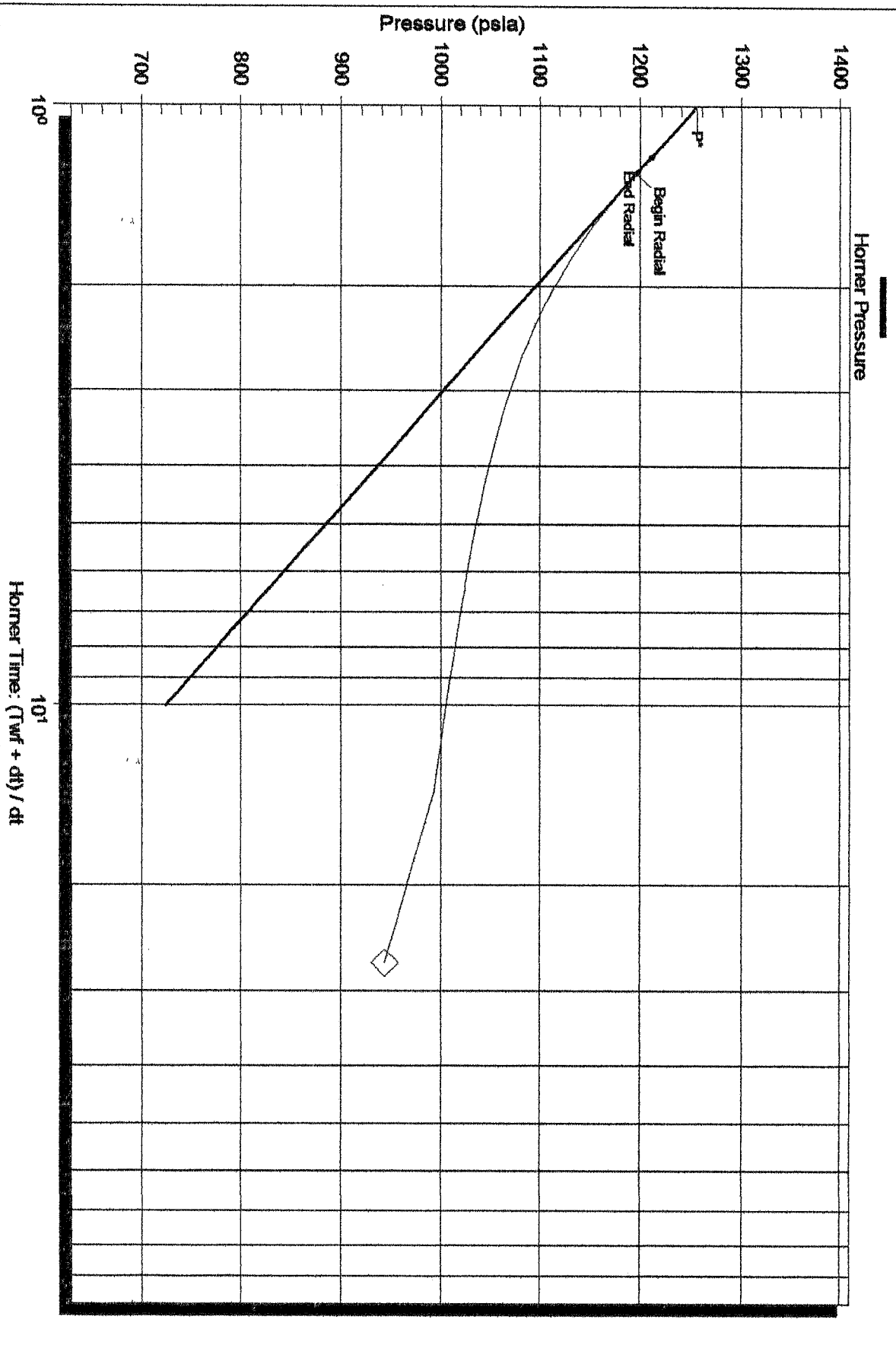
Log-Log and Pseudo-Derivative



Serial Number: 4143 (Outside)

Flow Cycle: 2

Horner Plot



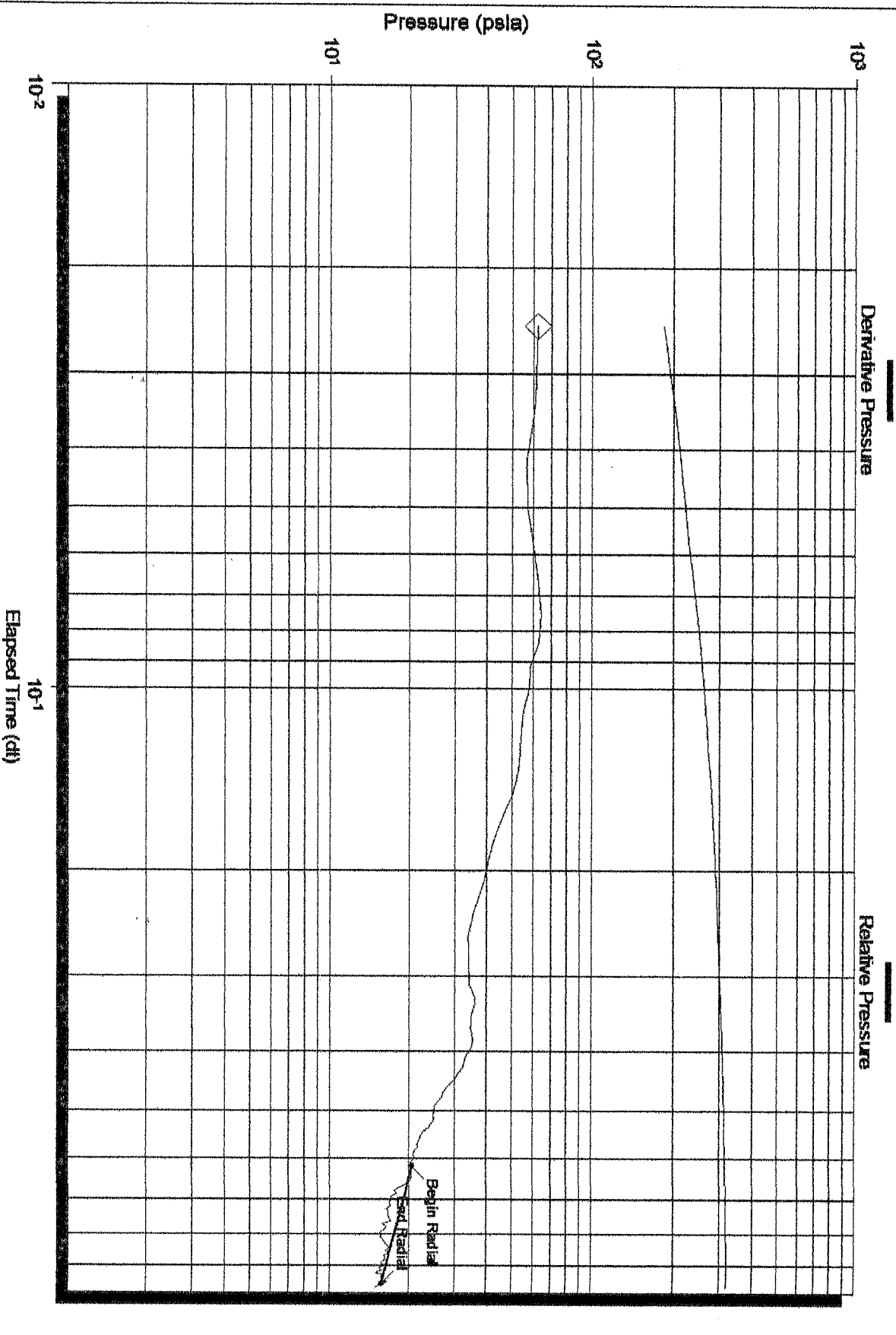
Serial Number: 4143 (Outside)

P* : 1255.21

Slope (m) : 530.29 kpa/log cycle

Flow Cycle: 1

Log-Log and Pseudo-Derivative



Serial Number: 4143 (Outside)

Flow Cycle: 2