

15-185-23576

Stafford



DRILL STEM TEST REPORT

Prepared For: **GLOBE OPERATING INC**

PO BOX 12
GREAT BEND KS 67530

ATTN: ELDON

36-21-12

SITTNER #10

Start Date: 2009.06.17 @ 04:19:37

End Date: 2009.06.17 @ 10:39:37

Job Ticket #: 16403 DST #: 1

GLOBE OPERATING INC

SITTNER #10

36-21-12W DST # 1
and DST # 2

ARBUCKLE

2009.06.17

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



DRILL STEM TEST REPORT

GLOBE OPERATING INC

SITTNER #10

PO BOX 12
GREAT BEND KS 67530

36-21-12

Job Ticket: 16403

DST#: 1

ATTN: ELDON

Test Start: 2009.06.17 @ 04:19:37

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:07

Time Test Ended: 10:39:37

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 42 MGB

Interval: **3580.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Reference Elevations: 1809.00 ft (KB)

Total Depth: 3590.00 ft (KB) (TVD)

1801.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8400**

Inside

Press@RunDepth: 224.92 psia @ 3585.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2009.06.17

End Date: 2009.06.17

Last Calib.: 2009.06.17

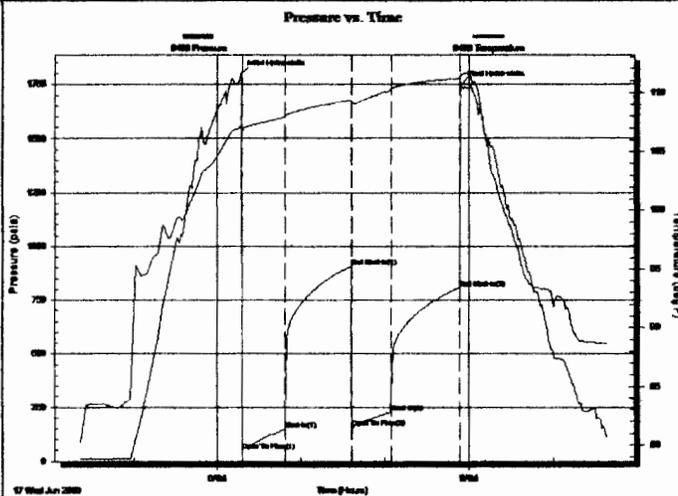
Start Time: 04:21:37

End Time: 10:39:37

Time On Btm: 2009.06.17 @ 06:17:37

Time Off Btm: 2009.06.17 @ 08:55:07

TEST COMMENT: 30-INITIAL OPENING STRONG BLOW BOTTOM BUCKET IN LESS 1 MIN
45-INITIAL SHUT IN STRONG BLOW BACK
30-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 3 MINS GAS TO SURFACE IN 4 MINS
45-FINAL SHUT IN STRONG BLOW BACK



PRESSURE SUMMARY

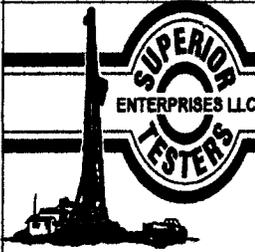
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1797.67	107.20	Initial Hydro-static
1	46.98	106.63	Open To Flow (1)
31	148.12	107.88	Shut-In(1)
79	906.05	109.35	End Shut-In(1)
79	155.18	109.05	Open To Flow (2)
107	224.92	110.20	Shut-In(2)
156	803.66	111.17	End Shut-In(2)
158	1749.25	111.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	CLEAN GASSEY OIL 30%G70%O	6.29
120.00	GASSEY OIL CUT MUD 30%G55%O15%M1.75	

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GLOBE OPERATING INC

SITTNER #10

PO BOX 12
GREAT BEND KS 67530

36-21-12

Job Ticket: 16403

DST#: 1

ATTN: ELDON

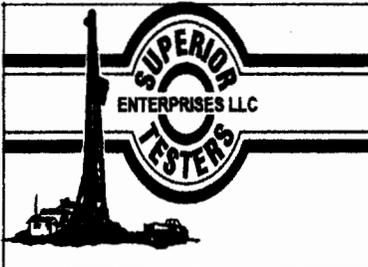
Test Start: 2009.06.17 @ 04:19:37

Tool Information

Drill Pipe:	Length: 3562.00 ft	Diameter: 3.88 inches	Volume: 52.09 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: 58000.00 lb
			<u>Total Volume: 52.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3580.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	31.00 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			3560.00	
Shut-In Tool	5.00			3565.00	
Hydrolic Tool	5.00			3570.00	
Packer	5.00			3575.00	21.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Perforations	5.00			3585.00	
Recorder	0.00	8400	Inside	3585.00	
Recorder	0.00	91986	Outside	3585.00	
Bullnose	5.00			3590.00	10.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

GLOBE OPERATING INC
PO BOX 12
GREAT BEND KS 67530
ATTN: ELDON

SITTNER #10
36-21-12
Job Ticket: 16403 DST#: 1
Test Start: 2009.06.17 @ 04:19:37

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psia	
Salinity: 9200.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	CLEAN GASSEY OIL 30%G70%O	6.288
120.00	GASSEY OIL CUT MUD 30%G55%O15%M	1.755

Total Length: 550.00 ft Total Volume: 8.043 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8400

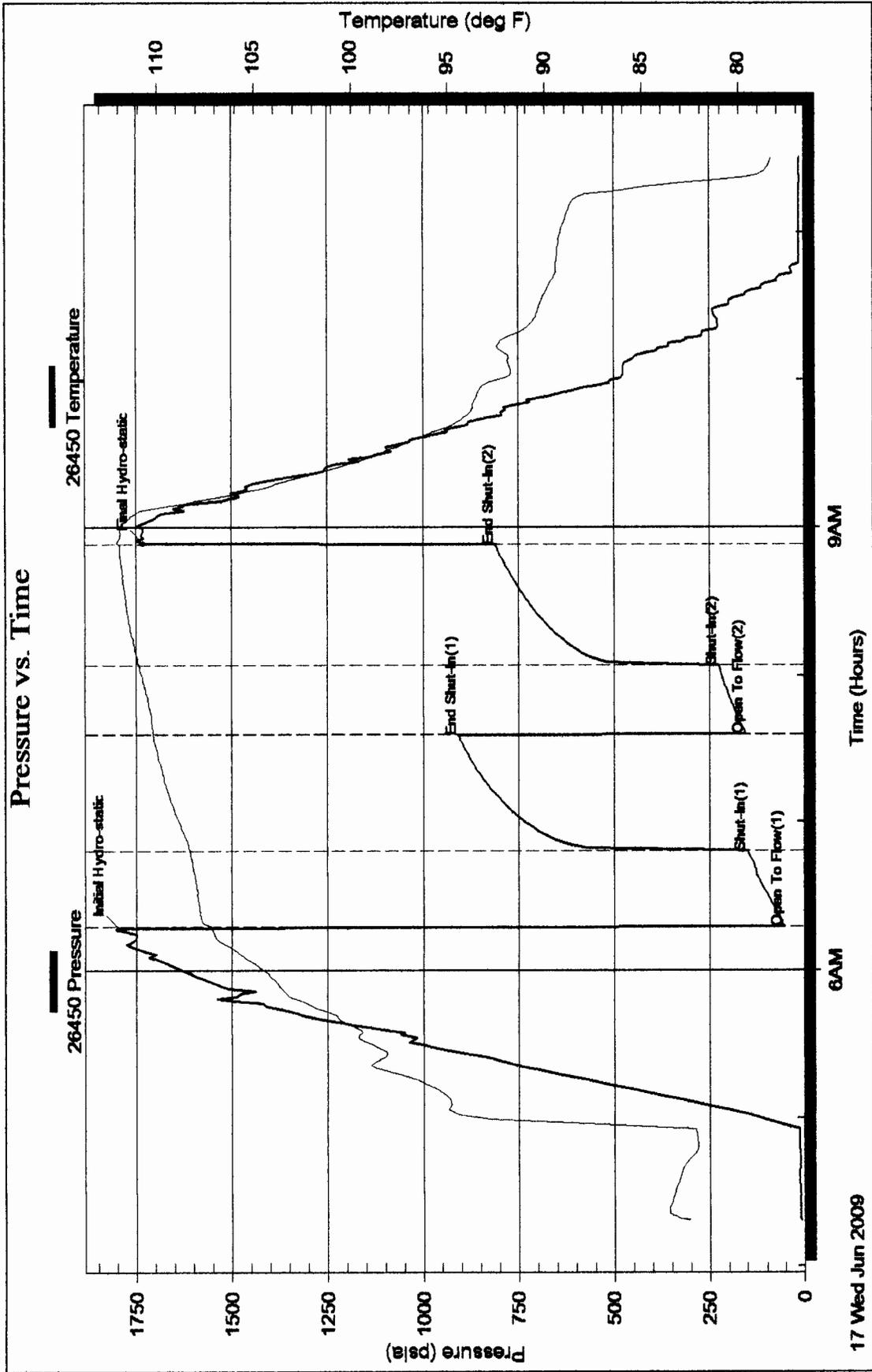
Inside

GLOBE OPERATING INC

36-21-12

DST Test Number: 1

Pressure vs. Time



17 Wed Jun 2009

6AM

9AM

Time (Hours)

Printed: 2009.06.17 @ 12:37:59

Ref. No: 16403

Superior Testers Enterprises LLC

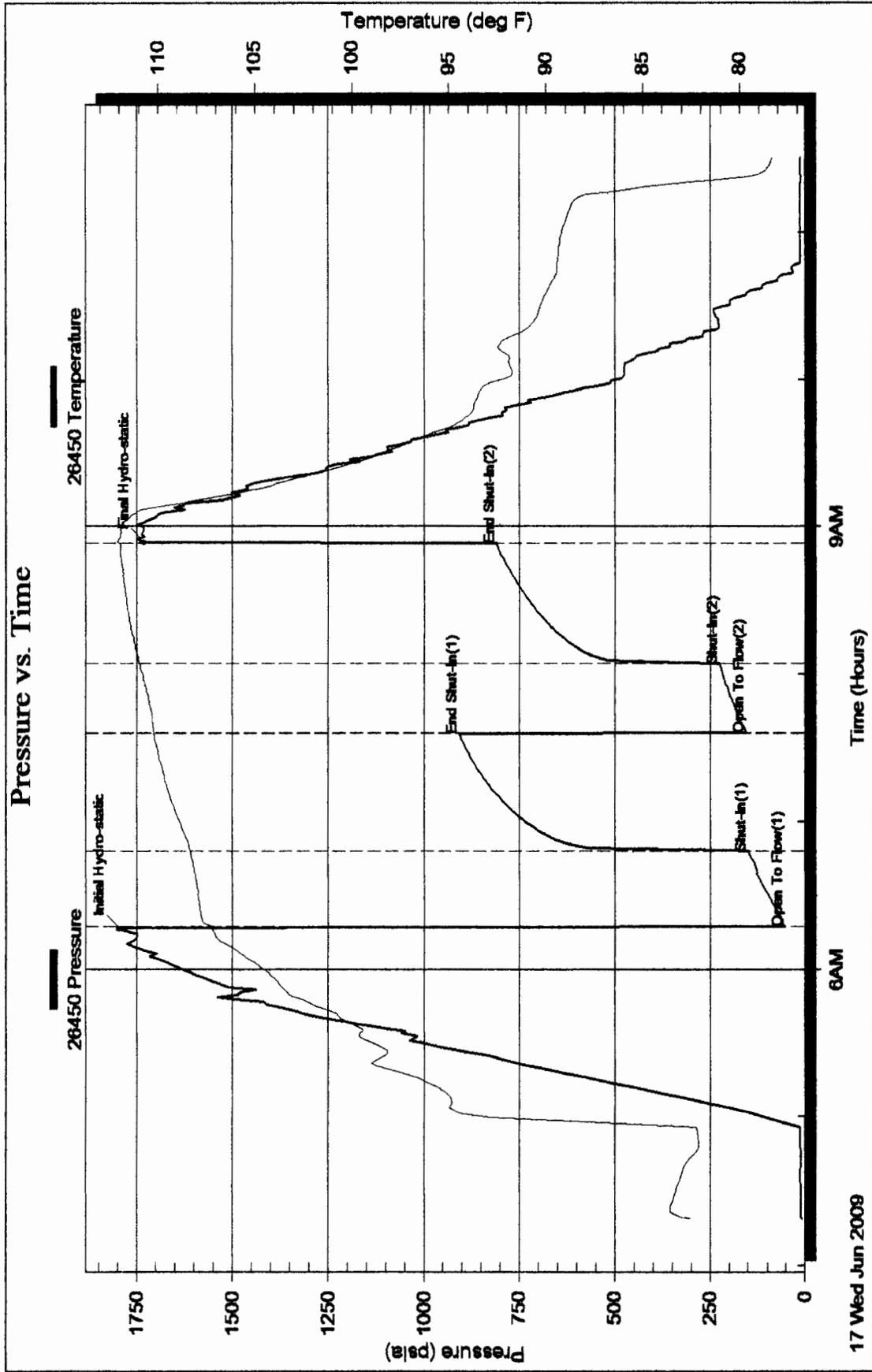
Serial #: 26450

Outside GLOBE OPERATING INC

36-21-12

DST Test Number: 1

Pressure vs. Time



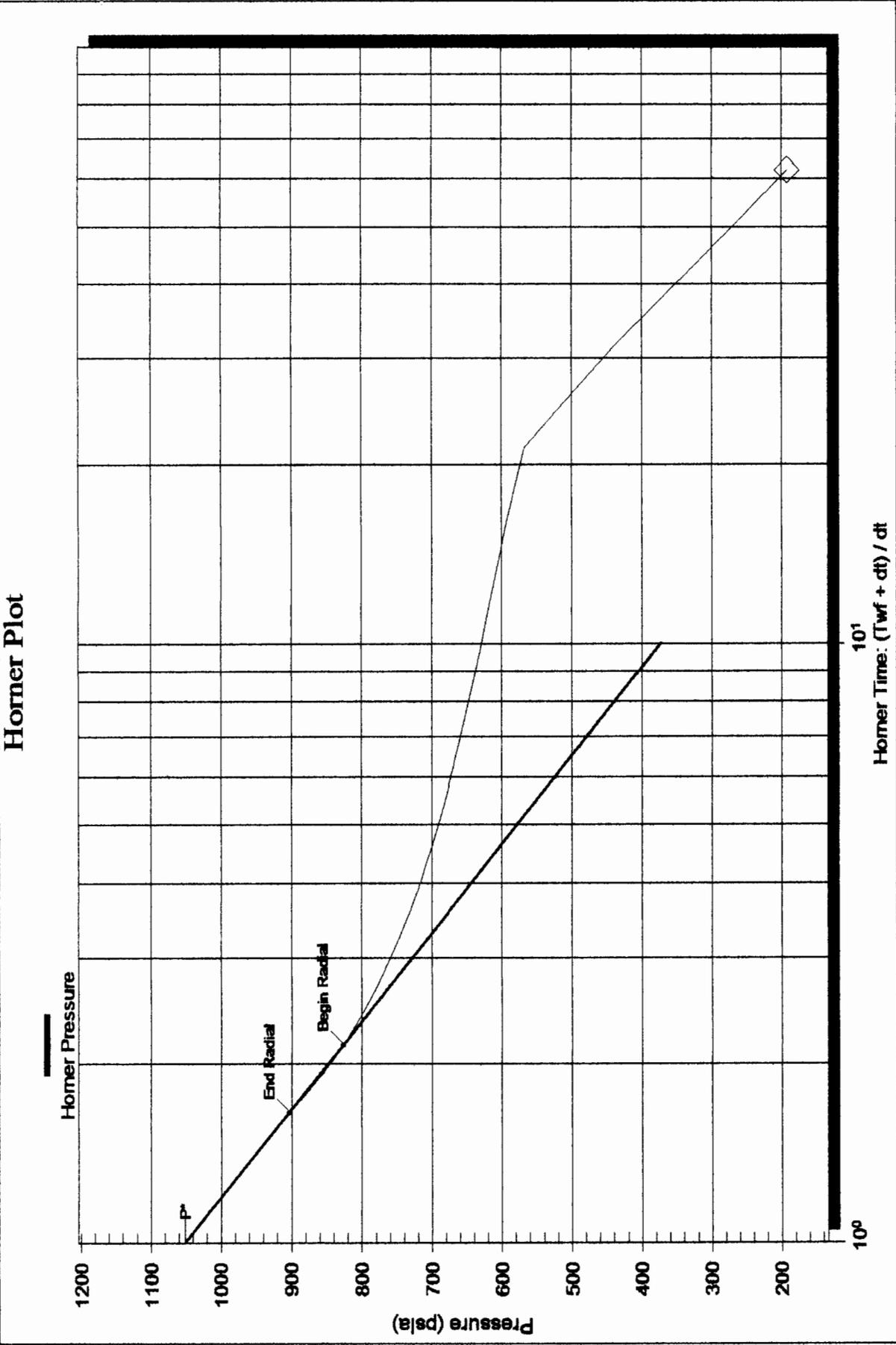
17 Wed Jun 2009

9AM

6AM

Time (hours)

Horner Plot



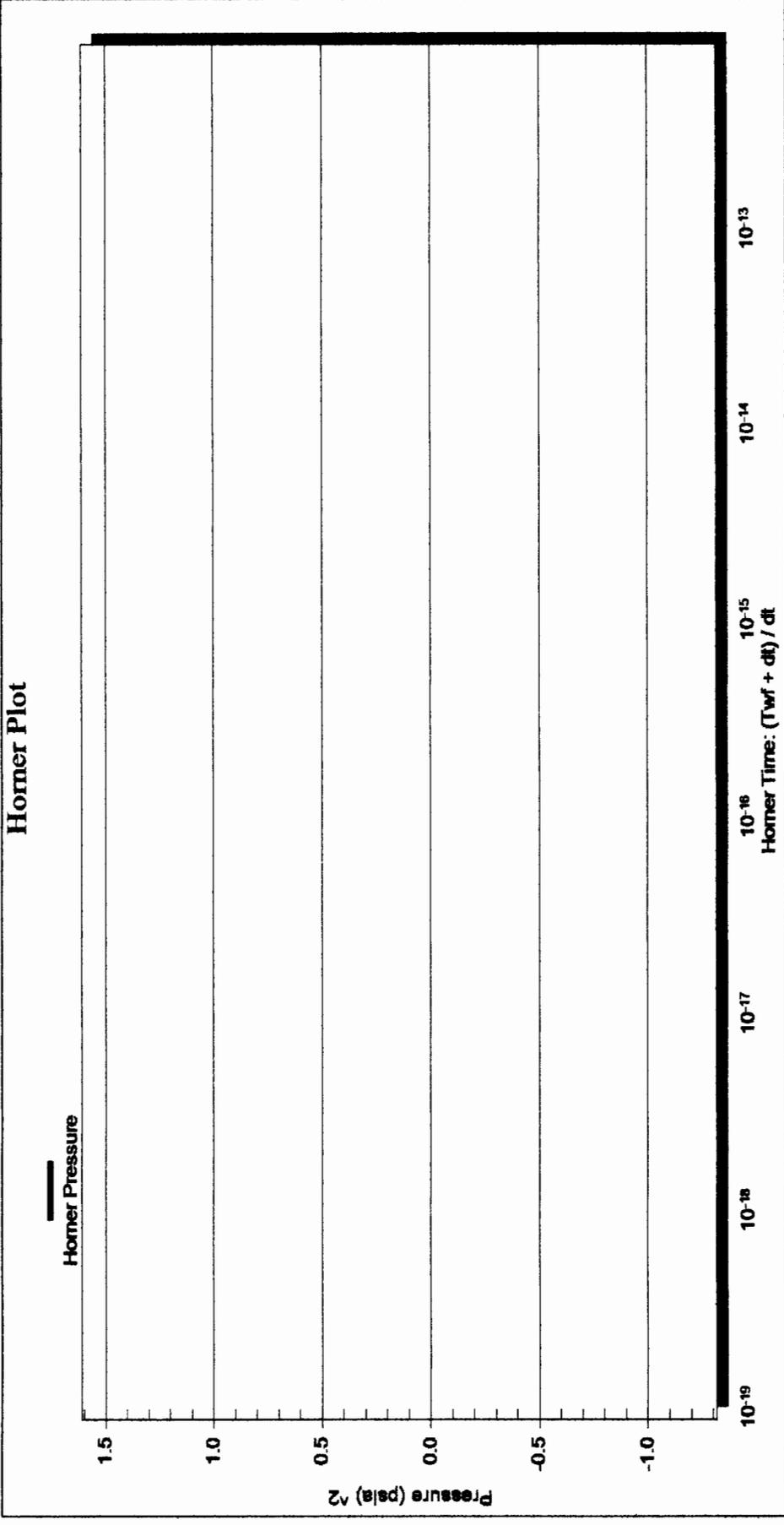
Serial Number: 8400 (Inside)

$P^* : 1051.56$

Slope (m) : 678.17 kpa/log cycle

Flow Cycle: 1

Homer Plot



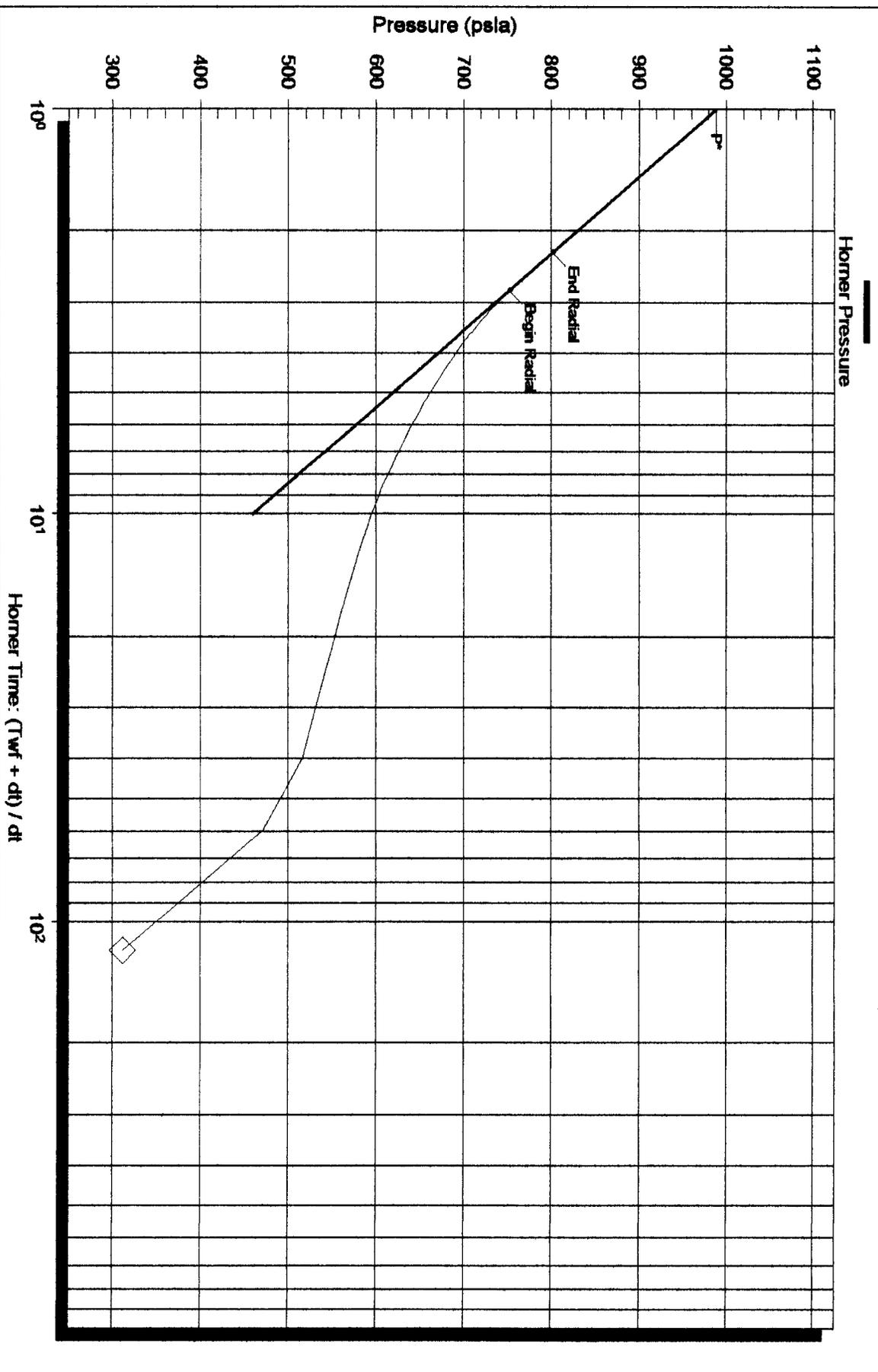
Serial Number: 8400 (Inside)

Flow Cycle: -2147483648

Analysis (Fluid)

Inputs		Outputs	
Average Fluid Viscosity:	1.2	Net Pay Thickness:	10.0
Total System Compress:	1E-7	Formation Porosity:	0.16
Formation Volume Factor:	1.2	Water Saturation:	0.35
Horner Slope (m):	678.17	Effective Permeability:	87.37
Radius of Investigation:	51.16	Apparent Skin Factor:	3.69
Fluid Flow Rate:	62.48	kh:	266.29
		Initial Static Reservoir Pressure:	1051.56
		Flowing Bottom Hole Pressure:	148.12
		Wellbore Radius:	3.94
		Volume of Recovered Fluid:	8.04
		Total Flowing Time:	0.5083

Horner Plot



Serial Number: 8400 (Inside)

P* : 988.74

Slope (m) : 528.36 kpa/1og cycle

Flow Cycle: 2



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PO BOX 12
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ATTN: ELDON

36-21-12

SITTNER #10

Start Date: 2009.06.17 @ 00:00:00

End Date: 1899.12.30 @ 00:00:00

Job Ticket #: 16404 DST #: 2

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

Printed: 2009.06.17 @ 16:25:49

GLOBE OPERATING INC

SITTNER #10

36-21-12

DST # 2

ARBUCKLE

2009.06.17



DRILL STEM TEST REPORT

FLUID SUMMARY

GLOBE OPERATING INC

SITTNER #10

PO BOX 12
GREAT BEND KS 67530

36-21-12

Job Ticket: 16404

DST#: 2

ATTN: ELDON

Test Start: 2009.06.17 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 11.99 in³

Resistivity: ohm.m

Salinity: 9500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Very gassy muddy oil 60 %g 15% o 25%m	
480.00	gas in the pipe	

Total Length: 535.00 ft

Total Volume: bbl

Num Fluid Samples: 0

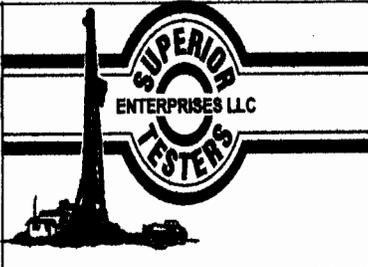
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

TOOL DIAGRAM

GLOBE OPERATING INC

SITTNER #10

PO BOX 12
GREAT BEND KS 67530

36-21-12

Job Ticket: 16404

DST#: 2

ATTN: ELDON

Test Start: 2009.06.17 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3581.00 ft	Diameter: 3.80 inches	Volume: 50.23 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: ft	Diameter: inches	Volume: - bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3590.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	31.00 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			3570.00	-999999.00
Shut-In Tool	5.00			3575.00	-999999.00
Hydrolic Tool	5.00			3580.00	-999999.00
Packer	5.00			3585.00	21.00 Bottom Of Top Packer
Packer	5.00			3590.00	-999999.00
Perforations	5.00			3595.00	-999999.00
Recorder	0.00	8405	Inside	3595.00	-999999.00
Recorder	0.00	91976	Outside	3595.00	-999999.00
Bullnose	5.00			3600.00	10.00 Bottom Packers & Anchor
Total Tool Length:	31.00				

Serial #: 8405

Inside

GLOBE OPERATING INC

36-21-12

DST Test Number: 2

Pressure vs. Time

