

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

6209 N K61 HWY
Hutchinson KS 67502

ATTN: Jeff Dale

36 33 15 Barber KS

Osage #107

Start Date: 2007.07.31 @ 03:51:42

End Date: 2007.07.31 @ 12:10:42

Job Ticket #: 28359 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Osage Resources LLC

6209 N K61 HWY
Hutchinson KS 67502

ATTN: Jeff Dale

Osage #107

36 33 15 Barber KS

Job Ticket: 28359

DST#: 1

Test Start: 2007.07.31 @ 03:51:42

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:57

Time Test Ended: 12:10:42

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4833.00 ft (KB) To 4877.00 ft (KB) (TVD)**

Total Depth: 4877.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1808.00 ft (KB)

1800.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 42.39 psig @ 4833.00 ft (KB)

Start Date: 2007.07.31

End Date:

2007.07.31

Start Time: 03:51:47

End Time:

12:10:41

Capacity: 7000.00 psig

Last Calib.: 2007.07.31

Time On Btm: 2007.07.31 @ 06:21:42

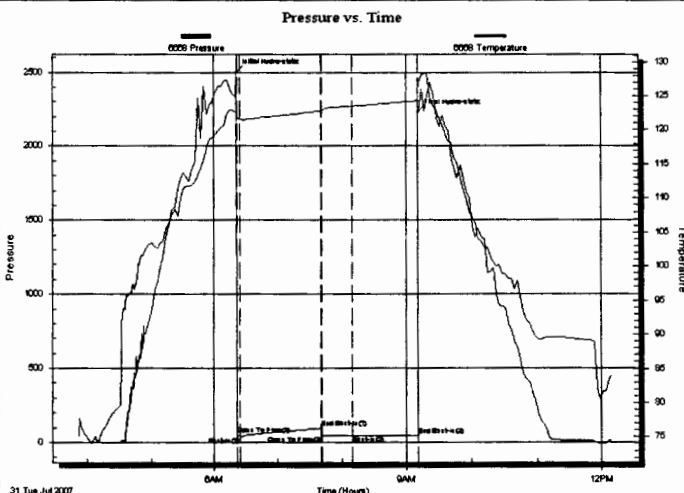
Time Off Btm: 2007.07.31 @ 09:10:41

TEST COMMENT: IF Weak blow Building to 1/8 " in 3 mins.

ISI Bled off No blow back

FF Opened tool No blow

FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2498.21	122.60	Initial Hydro-static
1	52.83	121.98	Open To Flow (1)
4	41.52	121.56	Shut-In(1)
79	94.29	122.78	End Shut-In(1)
80	45.02	122.79	Open To Flow (2)
109	42.39	123.51	Shut-In(2)
169	47.51	124.26	End Shut-In(2)
169	2227.55	125.76	Final Hydro-static

Recovery

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

Gas Rates

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

TOOL DIAGRAM

Osage Resources LLC

Osage #107

6209 N K61 HWY
Hutchinson KS 67502

36 33 15 Barber KS

Job Ticket: 28359

DST#: 1

ATTN: Jeff Dale

Test Start: 2007.07.31 @ 03:51:42

Tool Information

Drill Pipe:	Length: 4638.00 ft	Diameter: 3.80 inches	Volume: 65.06 bbl	Tool Weight:	2100.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	65.97 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4833.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	72.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4810.00	
Hydraulic tool	5.00			4815.00	
Jars	5.00			4820.00	
Safety Joint	3.00			4823.00	
Packer	5.00			4828.00	28.00 Bottom Of Top Packer
Packer	5.00			4833.00	
Recorder	0.00	6668	Inside	4833.00	
Perforations	6.00			4839.00	
Change Over Sub	1.00			4840.00	
Drill Pipe	31.00			4871.00	
Change Over Sub	1.00			4872.00	
Perforations	2.00			4874.00	
Recorder	0.00	13266	Inside	4874.00	
Bullnose	3.00			4877.00	44.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

Osage Resources LLC

Osage #107

6209 N K61 HWY
Hutchinson KS 67502

36 33 15 Barber KS

Job Ticket: 28359

DST#: 1

ATTN: Jeff Dale

Test Start: 2007.07.31 @ 03:51:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

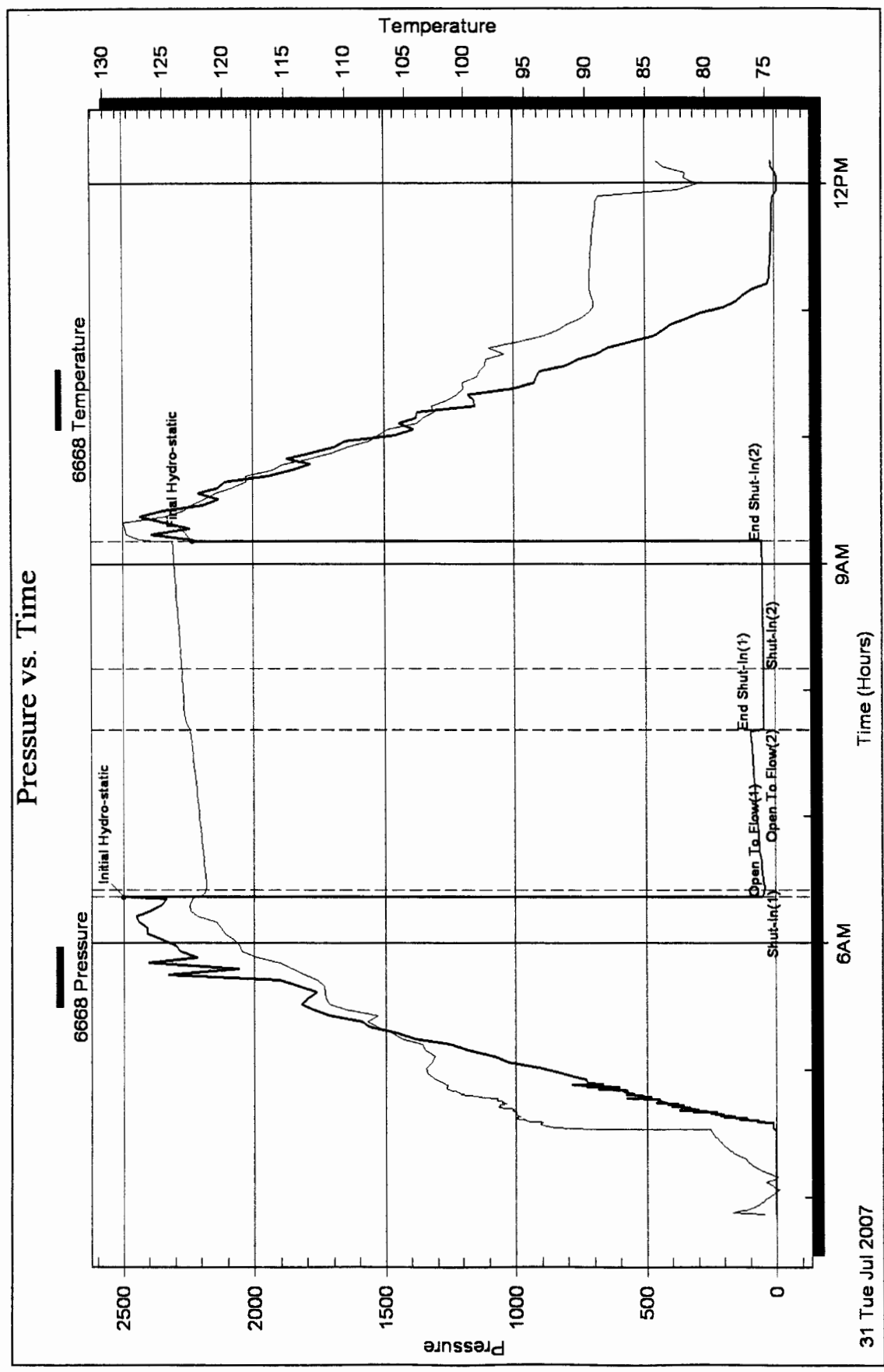
Num Gas Bombs: 0

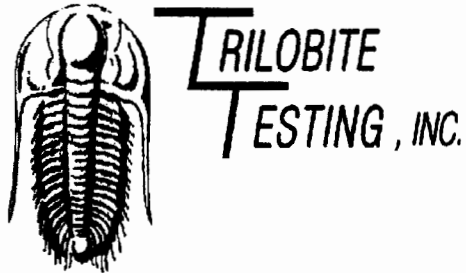
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

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ATTN: Jeff Dale

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Osage #107

Start Date: 2007.08.02 @ 08:10:38

End Date: 2007.08.02 @ 16:27:23

Job Ticket #: 28360 DST #: 2

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DRILL STEM TEST REPORT

Osage Resources LLC

6209 N K61 HWY
Hutchinson KS 67502

ATTN: Jeff Dale

Osage #107

36 33 15 Barber KS

Job Ticket: 28360

DST#: 2

Test Start: 2007.08.02 @ 08:10:38

GENERAL INFORMATION:

Formation: **Chatanooga**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:08

Time Test Ended: 16:27:23

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **5175.00 ft (KB) To 5225.00 ft (KB) (TVD)**

Total Depth: 5225.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1808.00 ft (KB)

1800.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 33.26 psig @ 5175.00 ft (KB)

Start Date: 2007.08.02

End Date:

2007.08.02

Start Time: 08:10:43

End Time:

16:27:22

Capacity: 7000.00 psig

Last Calib.: 2007.08.02

Time On Btm: 2007.08.02 @ 10:43:53

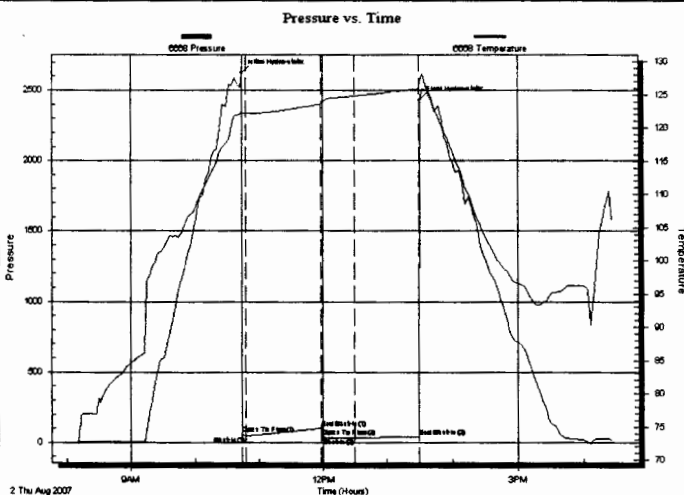
Time Off Btm: 2007.08.02 @ 13:30:07

TEST COMMENT: IF Weak blow Building to 1/8" in 3 mins.

ISI Bled off No blow back

FF Opened tool No blow

FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2624.44	122.49	Initial Hydro-static
1	59.37	122.10	Open To Flow (1)
4	47.95	122.17	Shut-In(1)
75	102.46	123.58	End Shut-In(1)
77	37.83	124.01	Open To Flow (2)
106	33.26	124.82	Shut-In(2)
166	41.84	125.92	End Shut-In(2)
167	2428.92	127.08	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TOOL DIAGRAM

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Job Ticket: 28360

DST#: 2

ATTN: Jeff Dale

Test Start: 2007.08.02 @ 08:10:38

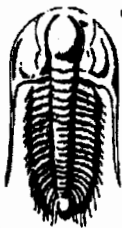
Tool Information

Drill Pipe:	Length: 4984.00 ft	Diameter: 3.80 inches	Volume: 69.91 bbl	Tool Weight:	2100.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	74000.00 lb
		Total Volume:	70.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	5175.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5152.00	
Hydraulic tool	5.00			5157.00	
Jars	5.00			5162.00	
Safety Joint	3.00			5165.00	
Packer	5.00			5170.00	28.00 Bottom Of Top Packer
Packer	5.00			5175.00	
Recorder	0.00	6668	Inside	5175.00	
Perforations	9.00			5184.00	
Change Over Sub	1.00			5185.00	
Drill Pipe	31.00			5216.00	
Change Over Sub	1.00			5217.00	
Perforations	5.00			5222.00	
Recorder	0.00	13266	Outside	5222.00	
Bullnose	3.00			5225.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



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Job Ticket: 28360

DST#: 2

ATTN: Jeff Dale

Test Start: 2007.08.02 @ 08:10:38

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	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:

Pressure vs. Time

