



DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

2 33 15 Barber KS

Osage #105

Start Date: 2006.11.14 @ 23:42:10

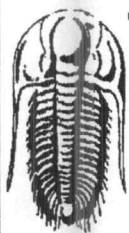
End Date: 2006.11.15 @ 10:22:10

Job Ticket #: 25800 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

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25800

DST#: 1

Test Start: 2006.11.14 @ 23:42:10

GENERAL INFORMATION:

Formation: **Krider**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:10

Time Test Ended: 10:22:10

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **2312.00 ft (KB) To 2340.00 ft (KB) (TVD)**

Total Depth: 2340.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1955.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 35.63 psig @ 2312.00 ft (KB)

Start Date: 2006.11.14

End Date:

2006.11.15

Start Time:

23:42:15

End Time:

10:22:10

Capacity: 7000.00 psig

Last Calib.: 2006.11.15

Time On Btm: 2006.11.15 @ 02:53:55

Time Off Btm: 2006.11.14 @ 23:42:15

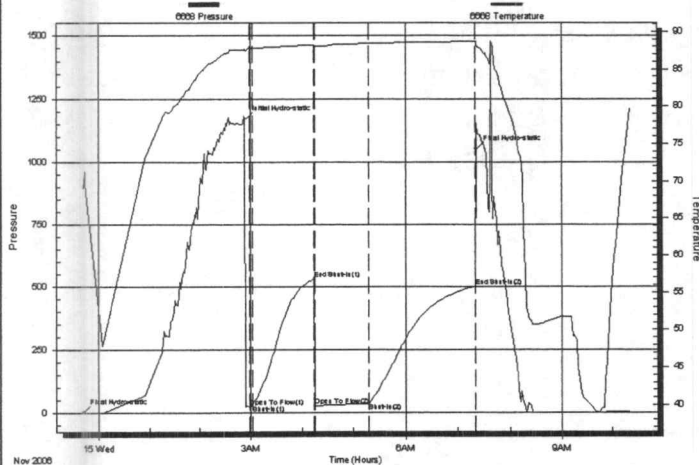
TEST COMMENT: IF Fair blow Building to 3 1/2 " in 3 mins.

ISI Bled off No blow back

FF Fair blow Building to 8 " in 60 mins.

FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-0.13	69.10	Final Hydro-static
192	1168.25	87.65	Initial Hydro-static
197	21.54	87.73	Open To Flow (1)
200	31.21	87.74	Shut-In (1)
272	530.65	88.18	End Shut-In (1)
274	25.94	88.04	Open To Flow (2)
336	35.63	88.40	Shut-In (2)
458	500.45	88.65	End Shut-In (2)
458	1049.55	88.71	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25800

DST#: 1

Test Start: 2006.11.14 @ 23:42:10

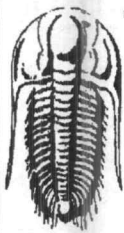
Tool Information

Drill Pipe:	Length: 2044.00 ft	Diameter: 3.80 inches	Volume: 28.67 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: 274.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	30.02 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	2312.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2297.00	
Hydraulic tool	5.00			2302.00	
Packer	5.00			2307.00	20.00 Bottom Of Top Packer
Packer	5.00			2312.00	
Recorder	0.00	6668	Inside	2312.00	
Perforations	25.00			2337.00	
Recorder	0.00	13266	Outside	2337.00	
Bullnose	3.00			2340.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 25800

DST#: 1

ATTN: Jim Musgrove

Test Start: 2006.11.14 @ 23:42:10

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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 18.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

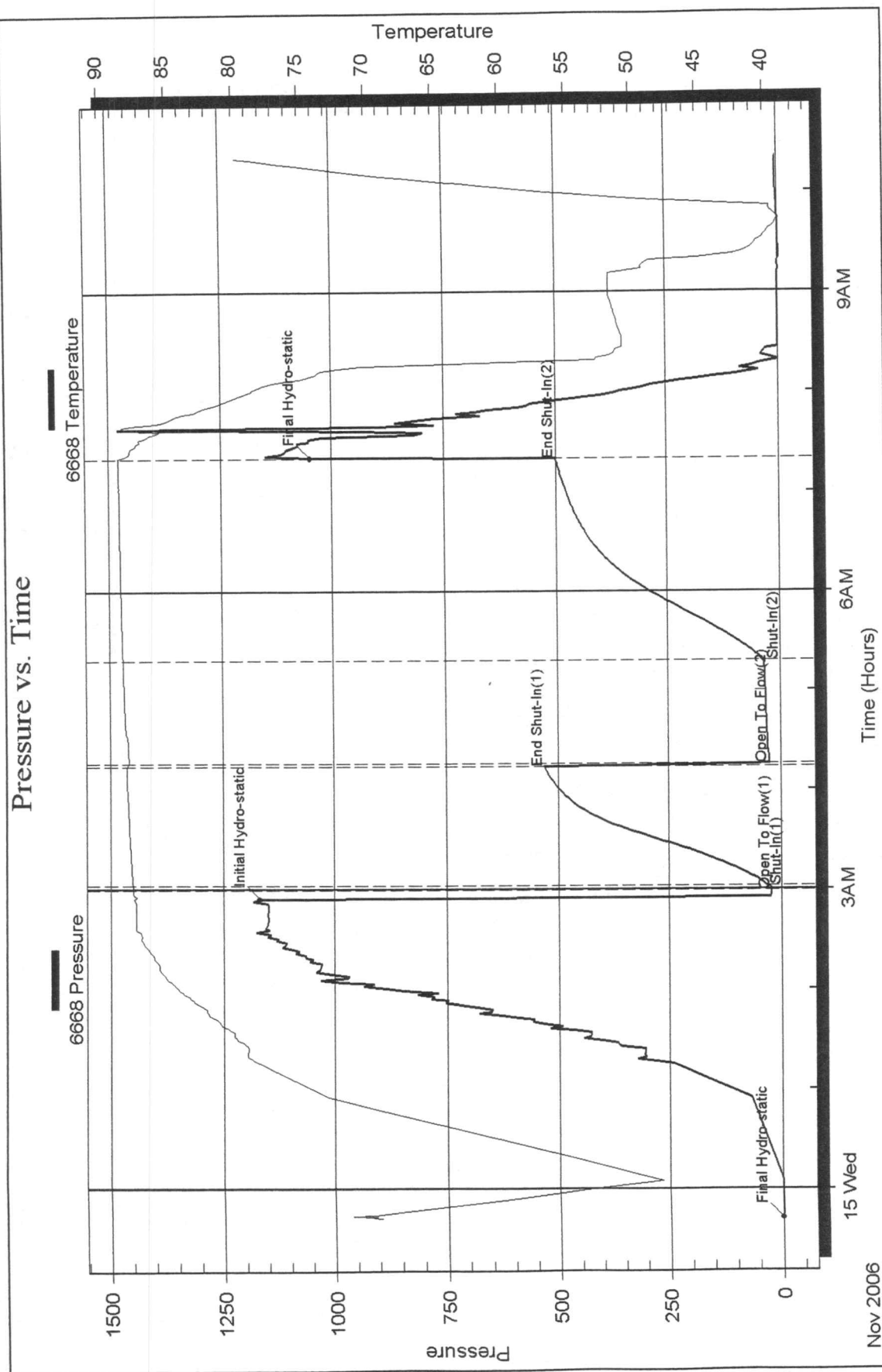
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

2 33 15 Barber KS

Osage #105

Start Date: 2006.11.17 @ 23:00:24

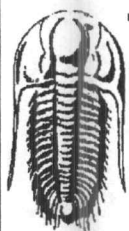
End Date: 2006.11.18 @ 07:58:54

Job Ticket #: 26382 DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 26382

DST#: 2

Test Start: 2006.11.17 @ 23:00:24

GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 02:06:54

Time Test Ended: 07:58:54

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **3102.00 ft (KB) To 3170.00 ft (KB) (TVD)**

Total Depth: **3170.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Poor**

Reference Elevations: **1955.00 ft (KB)**

1950.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **41.91 psig @ 3103.00 ft (KB)**

Start Date: **2006.11.17**

End Date:

2006.11.18

Start Time: **23:00:29**

End Time:

07:58:54

Capacity: **7000.00 psig**

Last Calib.: **2006.11.18**

Time On Btm: **2006.11.18 @ 02:06:39**

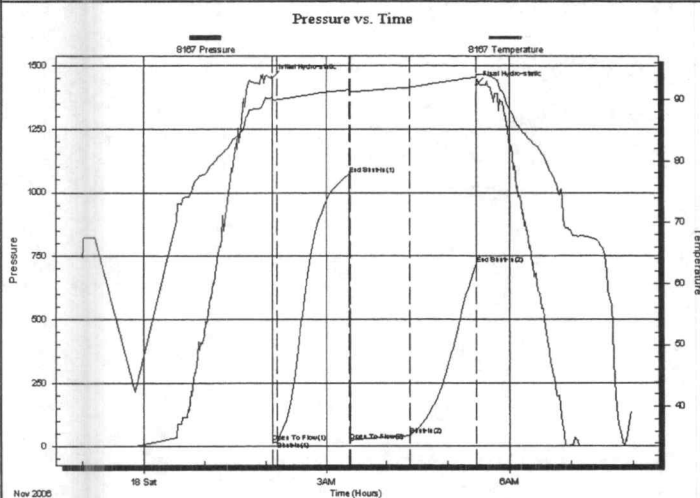
Time Off Btm: **2006.11.18 @ 05:28:23**

TEST COMMENT: IF Weak blow 1 - 3 "

ISI No blow

FF Weak blow 2 - 5 "

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1452.52	90.26	Initial Hydro-static
1	15.75	89.85	Open To Flow (1)
5	18.31	89.94	Shut-In(1)
77	1071.08	91.55	End Shut-In(1)
78	20.20	91.32	Open To Flow (2)
137	41.91	91.98	Shut-In(2)
202	716.83	93.67	End Shut-In(2)
202	1422.40	94.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Drig.Mud	0.30
0.00	Trace of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 26382

DST#: 2

Test Start: 2006.11.17 @ 23:00:24

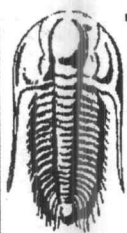
Tool Information

Drill Pipe:	Length: 2831.00 ft	Diameter: 3.80 inches	Volume: 39.71 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:	24000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose:	84000.00 lb
		Total Volume:	41.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3102.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3083.00	
Shut In Tool	5.00			3088.00	
Hydraulic tool	5.00			3093.00	
Packer	4.00			3097.00	20.00 Bottom Of Top Packer
Packer	5.00			3102.00	
Stubb	1.00			3103.00	
Recorder	0.00	8167	Inside	3103.00	
Perforations	7.00			3110.00	
Blank Spacing	32.00			3142.00	
Perforations	23.00			3165.00	
Recorder	0.00	11019	Outside	3165.00	
Bullnose	5.00			3170.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 26382

DST#: 2

Test Start: 2006.11.17 @ 23:00:24

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 10.97 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

5000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Drlg.Mud	0.305
0.00	Trace of GIP	0.000

Total Length: 62.00 ft

Total Volume: 0.305 bbl

Num Fluid Samples: 0

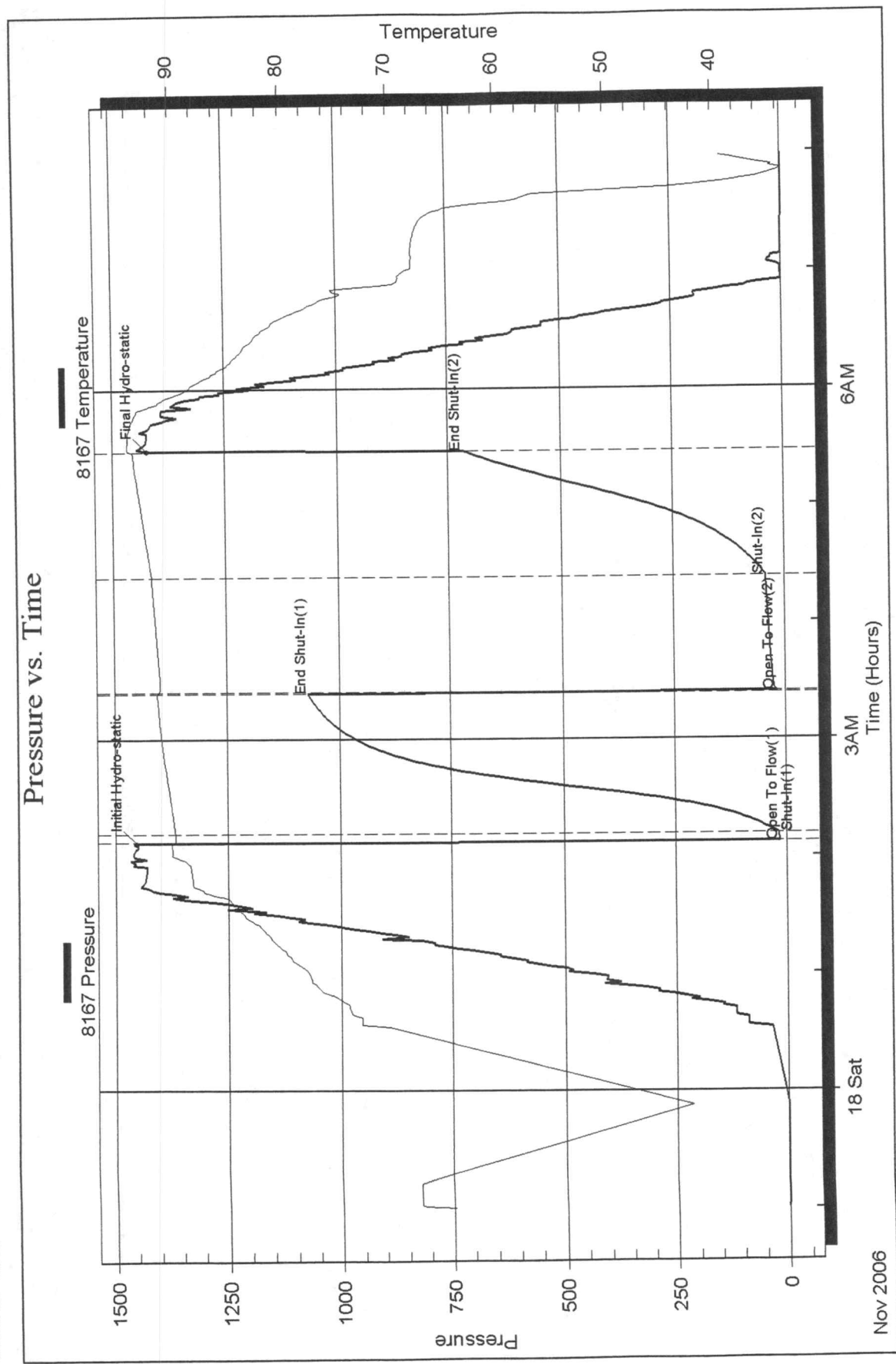
Num Gas Bombs: 0

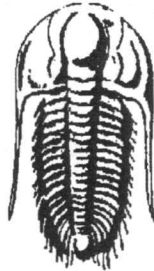
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

2 33 15 Barber KS

Osage #105

Start Date: 2006.11.21 @ 19:39:35

End Date: 2006.11.22 @ 11:52:13

Job Ticket #: 25492 DST #: 3

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PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25492

DST#: 3

Test Start: 2006.11.21 @ 19:39:35

GENERAL INFORMATION:

Formation: **Lansing 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:39:43

Time Test Ended: 11:52:13

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4309.00 ft (KB) To 4324.00 ft (KB) (TVD)**

Total Depth: 4324.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

Reference Elevations: 1955.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6771 Inside

Press@RunDepth: 665.24 psig @ 4310.00 ft (KB)

Start Date: 2006.11.21

End Date:

2006.11.22

Start Time: 19:39:40

End Time:

11:52:12

Capacity: 7000.00 psig

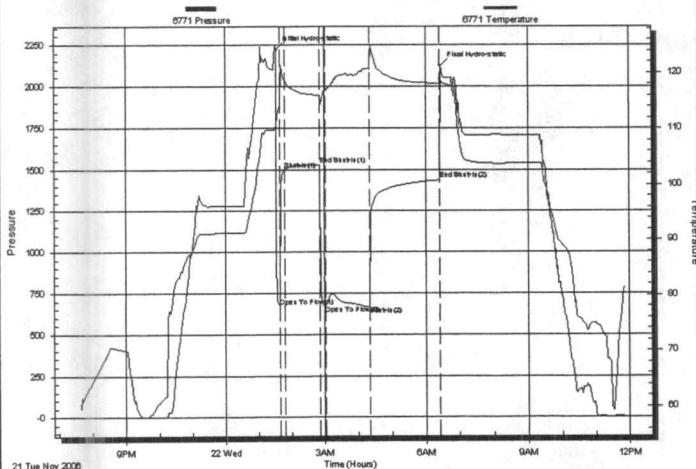
Last Calib.: 2006.11.22

Time On Btm: 2006.11.22 @ 01:33:13

Time Off Btm: 2006.11.22 @ 06:25:42

TEST COMMENT: IF Strong blow BOB immediately GTS in 1 min.
ISI Fair to strong blow BOB in 47 min.
FF Strong blow Gauged gas to 120# on 1" choke. GSY W & OCM to surface after 30 min.
FSI Weak blow Built to 1/4 to

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.18	110.40	Initial Hydro-static
7	667.65	113.91	Open To Flow (1)
15	1495.44	118.62	Shut-In (1)
80	1526.57	115.96	End Shut-In (1)
89	674.78	116.90	Open To Flow (2)
169	665.24	120.70	Shut-In (2)
293	1437.22	118.06	End Shut-In (2)
293	2122.19	118.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
720.00	SOSW 5%O 95%W	7.69
20.00	GSY O 10%G 90%O	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	55.00	1995.17
Last Gas Rate	1.00	55.00	1995.17
Max. Gas Rate	1.00	55.00	1995.17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25492

DST#: 3

Test Start: 2006.11.21 @ 19:39:35

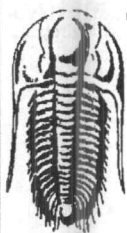
Tool Information

Drill Pipe:	Length: 4035.00 ft	Diameter: 3.80 inches	Volume: 56.60 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: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose:	84000.00 lb
		Total Volume:	57.90 bbl	Tool Chased	ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4309.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		4290.00	
Shut In Tool	5.00		4295.00	
Hydraulic tool	5.00		4300.00	
Packer	4.00		4304.00	20.00 Bottom Of Top Packer
Packer	5.00		4309.00	
Stubb	1.00		4310.00	
Recorder	0.00	6771 Inside	4310.00	
Perforations	9.00		4319.00	
Recorder	0.00	13789 Outside	4319.00	
Bullnose	5.00		4324.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 25492

DST#: 3

ATTN: Jim Musgrove

Test Start: 2006.11.21 @ 19:39:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.57 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

26000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
720.00	SOSW 5%O 95%W	7.686
20.00	GSY O 10%G 90%O	0.281

Total Length: 740.00 ft

Total Volume: 7.967 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

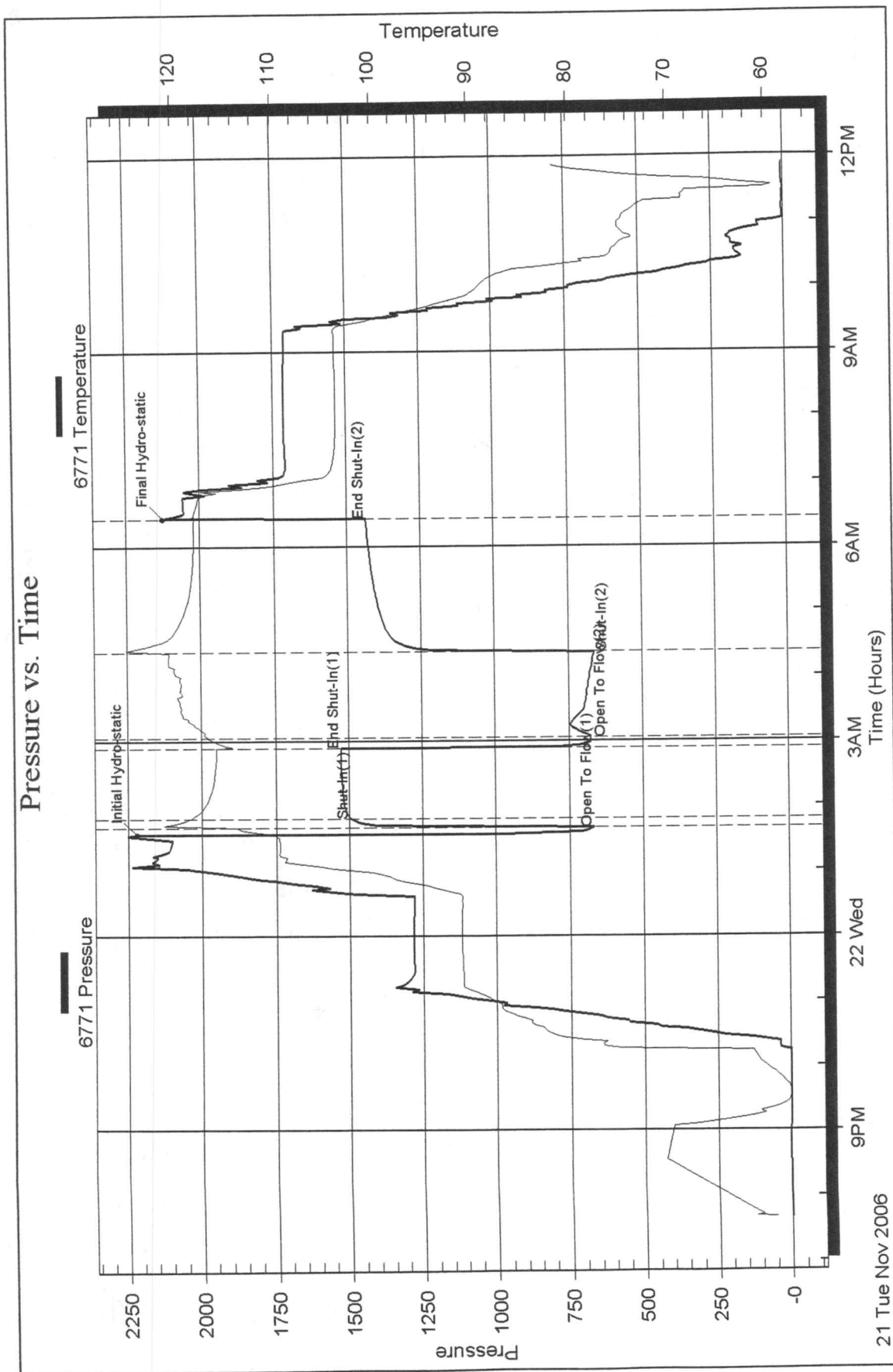
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

2 33 15 Barber KS

Osage #105

Start Date: 2006.12.02 @ 11:55:03

End Date: 2006.12.03 @ 02:03:48

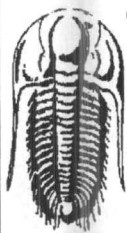
Job Ticket #: 25880

DST #: 4

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25880

DST#: 4

Test Start: 2006.12.02 @ 11:55:03

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:21:03

Time Test Ended: 02:03:48

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4816.00 ft (KB) To 4875.00 ft (KB) (TVD)**

Total Depth: 4875.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1955.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 49.24 psig @ 4816.00 ft (KB)

Start Date: 2006.12.02

End Date:

2006.12.03

Capacity: 7000.00 psig

Last Calib.: 2006.12.03

Start Time: 11:55:08

End Time:

02:03:48

Time On Btm: 2006.12.02 @ 17:20:02

Time Off Btm: 2006.12.02 @ 21:43:48

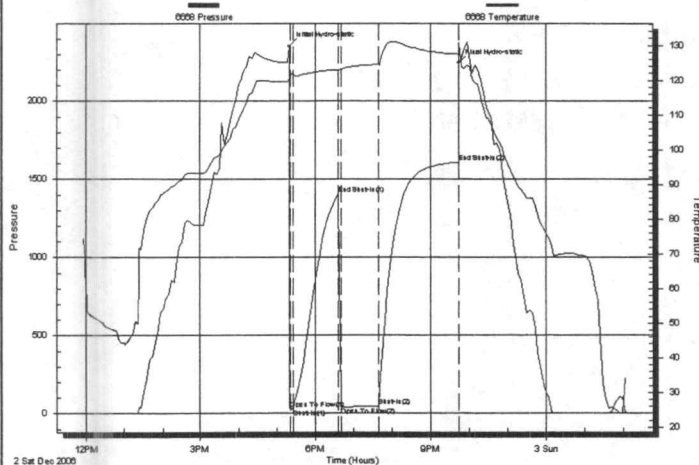
TEST COMMENT: IF Weak blow Building to 6 " in 5 mins.

ISI Bled off No blow back

FF Strong blow BOB immediately

FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.62	120.50	Initial Hydro-static
2	27.74	121.18	Open To Flow (1)
6	28.71	122.09	Shut-In (1)
78	1405.63	123.09	End Shut-In (1)
82	39.46	123.22	Open To Flow (2)
140	49.24	124.58	Shut-In (2)
264	1609.65	127.50	End Shut-In (2)
264	2244.52	129.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Drilling Mud 100%Mud	0.61

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25880

DST#: 4

Test Start: 2006.12.02 @ 11:55:03

Tool Information

Drill Pipe:	Length: 4624.00 ft	Diameter: 3.80 inches	Volume: 64.86 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume:	65.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4816.00 ft			Final	82000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4793.00	
Hydraulic tool	5.00			4798.00	
Jars	5.00			4803.00	
Safety Joint	3.00			4806.00	
Packer	5.00			4811.00	28.00 Bottom Of Top Packer
Packer	5.00			4816.00	
Recorder	0.00	6668	Inside	4816.00	
Perforations	14.00			4830.00	
Drill Pipe	31.00			4861.00	
Perforations	11.00			4872.00	
Recorder	0.00	13266	Outside	4872.00	
Bullnose	3.00			4875.00	59.00 Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #105

2 33 15 Barber KS

Job Ticket: 25880

DST#: 4

Test Start: 2006.12.02 @ 11:55:03

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Drilling Mud 100%Mud	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

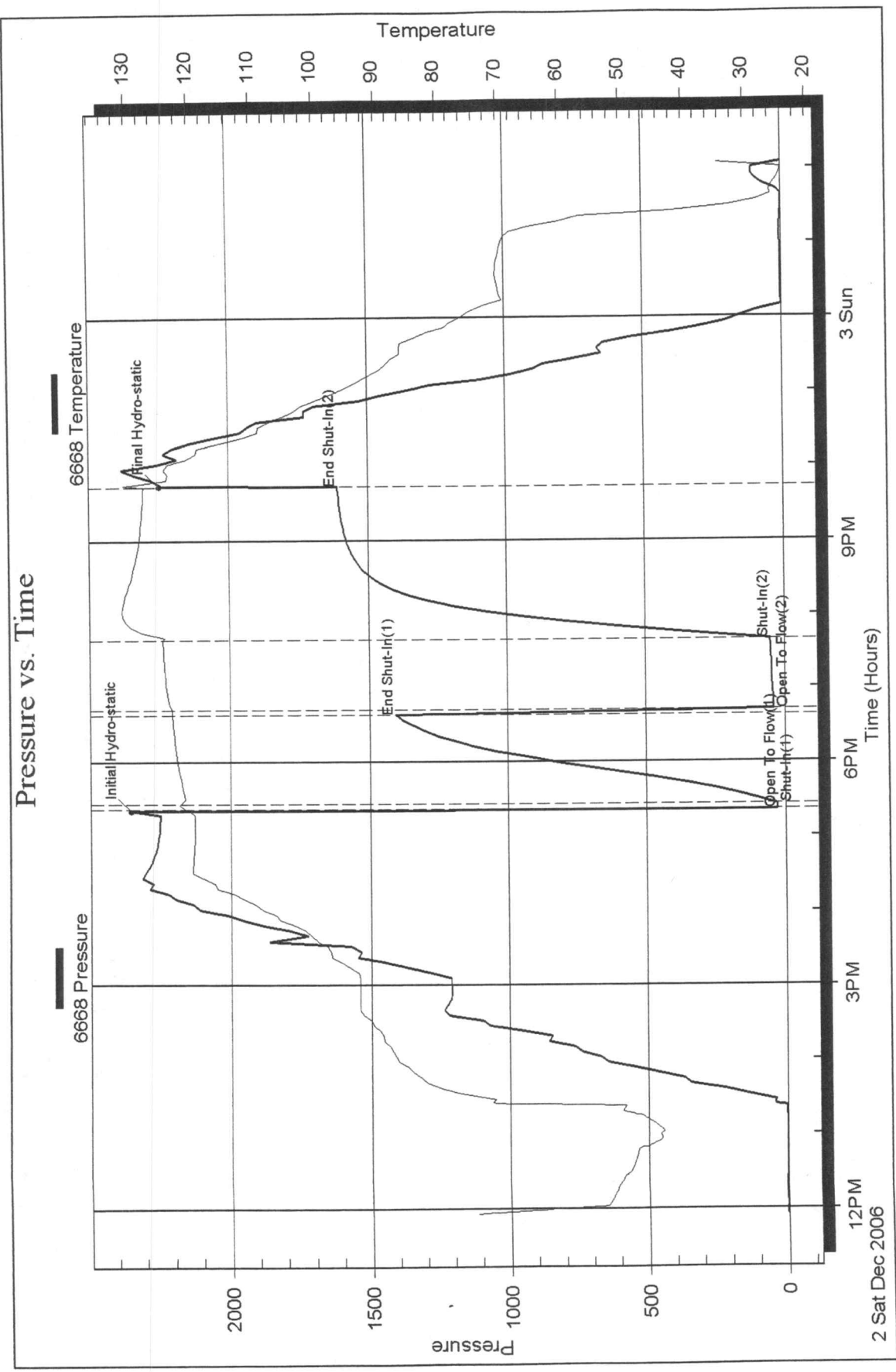
DST Test Number: 4

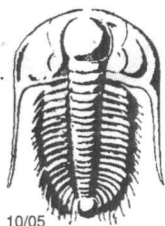
2 33 15 Barber KS

Osage Resources

Inside

Serial #: 6668





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25800

Test Ticket

Well Name & No. Osage #105 Test No. #1 Date 11-14-06
 Company Osage Resources Zone Tested Kelder
 Address 1605 E. 56th Ave. Hutchinson, KS 67502 Elevation 1955' KB 1950' GL
 Co. Rep / Geo. Jim Muegrove Rig D&B Rig #1
 Location: Sec. 2 Twp. 33s Rge. 15 W Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 2312' - 2340' Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 28' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 2307' Tool Weight 2,100 lbs
 Bottom Packer Depth 2312' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 2340' Wt. Pipe Run NONE Drill Collar Run 274'
 Mud Wt. 9.4 LCM 0 Vis. 42 WL 18.4 Drill Pipe Size 4 1/2 XH Ft. Run 2044'
 Blow Description IF: Fair blow. Building to 3 1/2" in 3 mins.
IST: Bled off. No blow back.
FF: Fair blow. Building to 8" in 10 mins.
FSI: Bled off. No blow back.

Recovery - Total Feet 5 GIP NONE Ft. in DC 5' Ft. in DP NONE
 Rec. 5 Feet of Drilling Mud %gas %oil %water 100 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 89 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1,184	PSI	Recorder No.	66668	Test	✓ 1100.00
(B) First Initial Flow Pressure			22	PSI	(depth)	2312'	Jars	
(C) First Final Flow Pressure			31	PSI	Recorder No.	13266	Safety Jt.	
(D) Initial Shut-In Pressure			531	PSI	(depth)	2337'	Circ Sub	
(E) Second Initial Flow Pressure			26	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			36	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			500	PSI	Initial Opening	3 mins	Ext. Packer	
(Q) Final Hydrostatic Mud			1,151	PSI	Initial Shut-In	75 mins	Shale Packer	
					Final Flow	60 mins	Ruined Packer	152.5
					Final Shut-In	120 mins	Mileage	✓ 120 miles
					T-On Location	22:30	Sub Total:	
					T-Started	23:42	Std. By	4 hrs 40.0
					T-Open	02:59	Acc. Chg:	✓ 1052.
					T-Pulled	07:20	Other:	Acc 150.0
					T-Out	10:22	Total:	1802.5

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Approved By [Signature]
 Our Representative Travis Luskentrey

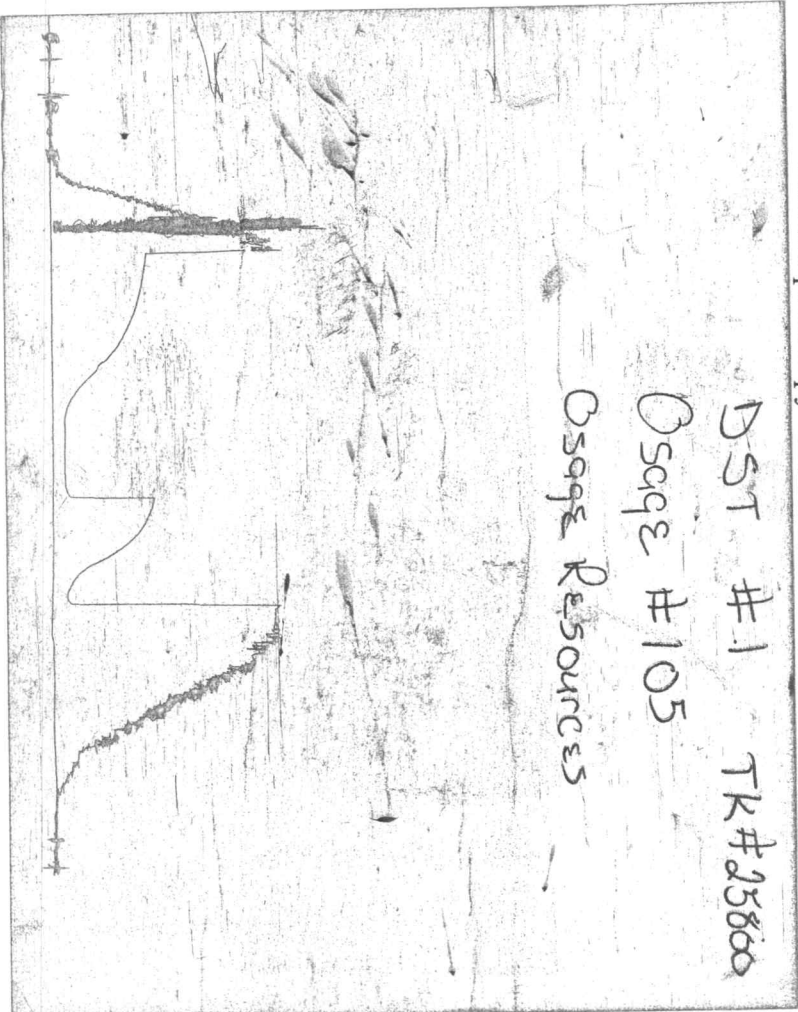
CHART PAGE

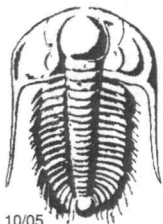
This is a photocopy of the actual AK-1 recorder chart.

DST #1 TK#25800

Osc #105

Osc Resources





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26382

Test Ticket

Well Name & No. Osage # 105 Test No. 2 Date 11-17-06
 Company Osage Resources LLC Zone Tested Indian Cave
 Address 1605 E. 56th Ave. Hutchinson, KS 67502 Elevation 1969 KB 1962 GL
 Co. Rep / Geo. Jim Musgrave Rig D & B Only
 Location: Sec. 2 Twp. 33S Rge. 15W Co. Barber State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3102 - 3170' Initial Str Wt./Lbs. 68,000 Unseated Str Wt./Lbs. 68,000
 Anchor Length 68' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 84,000
 Top Packer Depth 3097' Tool Weight 2100 #
 Bottom Packer Depth 3102' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3170' Wt. Pipe Run None Drill Collar Run 265
 Mud Wt. 8.8 LCM 1H Vis. 48 WL 11.0cc Drill Pipe Size 4 1/2" Ft. Run 2831
 Blow Description IF: Weak below 1-3" ISI: No blow.

FF: Weak below 2-5" FSI: No blow.

Recovery - Total Feet 62 GIP Trace Ft. in DC 62 Ft. in DP 0
 Rec. 62 Feet of Dreg. Mud. %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 94 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API
 RW N.C. @ ~ °F Chlorides 5,000 ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1451	PSI	8167	✓ 1100
(B) First Initial Flow Pressure	16	PSI	(depth) 3103'	Jars
(C) First Final Flow Pressure	18	PSI	Recorder No. 11019	Safety Jt.
(D) Initial Shut-In Pressure	1071	PSI	(depth) 3165'	Circ Sub
(E) Second Initial Flow Pressure	20	PSI	Recorder No. ~	Sampler
(F) Second Final Flow Pressure	42	PSI	(depth) ~	Straddle
(G) Final Shut-In Pressure	717	PSI	Initial Opening 3	Ext. Packer
(Q) Final Hydrostatic Mud	1439	PSI	Initial Shut-In 75	Shale Packer
			Final Flow 60	Ruined Packer
			Final Shut-In 60	Mileage <u>90</u> ✓ 120
			T-On Location 2135	Sub Total: 1220
			T-Started 2300	Std. By <u>10</u> ✓ 200
			T-Open 0206	Acc. Chg: <u>✓</u> 150
			T-Pulled 0526	Other:
			T-Out 0758	Total: <u>1570</u>

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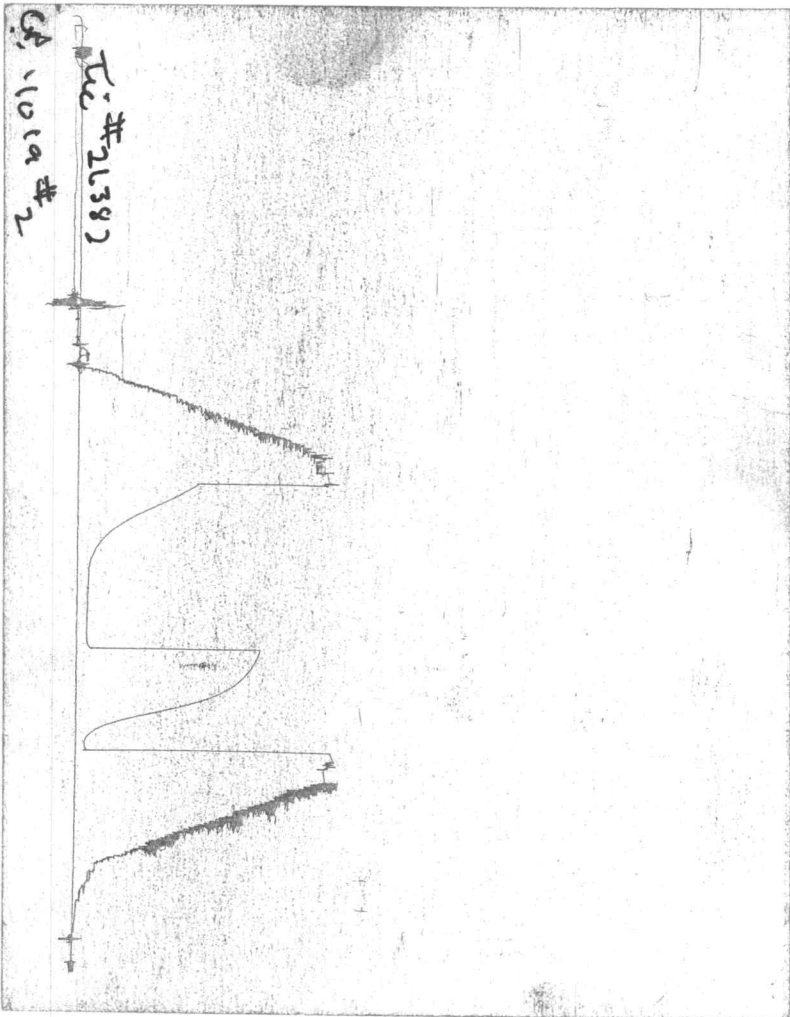
Approved By _____

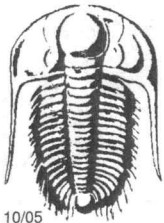
Our Representative Gary D. [Signature]

NO ACCESS TO R26 FLOW FROM CATWALK

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

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25492

Test Ticket

Well Name & No. Osage #105 Test No. 3 Date 11-21-06
 Company Osage Resources, LLC Zone Tested January B'
 Address 1605 E. 56th Ave Hutchinson KS 67502 Elevation 1969 KB 1962 GL
 Co. Rep / Geo. Jeff Dale Rig D+B #1
 Location: Sec. 2 Twp. 335 Rge. 15 W Co. Barber State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4309-4324 Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 80000
 Anchor Length 15' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 84000
 Top Packer Depth 4304 Tool Weight 2100
 Bottom Packer Depth 4309 Hole Size 7 7/8" ☒ Rubber Size 6 3/4" ☒
 Total Depth 4324 Wt. Pipe Run _____ Drill Collar Run 265
 Mud Wt. 9.2 LCM - Vis. 48 WL 9.6 Drill Pipe Size 4 1/2" Ft. Run 4035
 Blow Description IF: Strong blow. B.O.B. immediately. GTS in 1 min.
ISI: Fair to strong blow. B.O.B. in 47 min.
FF: Strong blow. Damaged gas to 120# on 1" choke. GSY w/ OCM to surface
after 30 min. FSI: Weak blow. Built to
 Recovery - Total Feet 740 GIP _____ Ft. in DC 270 Ft. in DP 470
 Rec. 720 Feet of 505 W %gas 5 %oil 95 %water _____ %mud _____
 Rec. 20 Feet of GSY O %gas 10 %oil 90 %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 118 °F Gravity 39 °API D @ 70 °F Corrected Gravity 38.3 °API
 RW 25 @ 75 °F Chlorides 26000 ppm Recovery _____ Chlorides 9000 ppm System

AK-1	Alpine	Recorder No.	<u>6771</u>	Test	☒ <u>1200 g</u>
(A) Initial Hydrostatic Mud	<u>2219</u> PSI	(depth)	<u>4310</u>	Jars	_____
(B) First Initial Flow Pressure	<u>668</u> PSI	Recorder No.	<u>13789</u>	Safety Jt.	_____
(C) First Final Flow Pressure	<u>1495</u> PSI	(depth)	<u>4319</u>	Circ Sub	_____
(D) Initial Shut-In Pressure	<u>1527</u> PSI	Recorder No.	<u>-</u>	Sampler	_____
(E) Second Initial Flow Pressure	<u>675</u> PSI	(depth)	<u>-</u>	Straddle	_____
(F) Second Final Flow Pressure	<u>665</u> PSI	Initial Opening	<u>3</u>	Ext. Packer	_____
(G) Final Shut-In Pressure	<u>1437</u> PSI	Initial Shut-In	<u>75</u>	Shale Packer	_____
(Q) Final Hydrostatic Mud	<u>2137</u> PSI	Final Flow	<u>90</u>	Ruined Packer	_____
		Final Shut-In	<u>120</u>	Mileage	☒ <u>88 RT</u> <u>110</u>
		T-On Location	<u>18:28</u>	Sub Total:	<u>1310</u>
		T-Started	<u>19:39</u>	Std. By	☒ <u>Shd 80</u>
		T-Open	<u>1:57</u>	Acc. Chg:	☒ <u>120 240</u>
		T-Pulled	<u>6:45</u>	Other:	<u>Acc 150</u>
		T-Out	<u>11:52</u>	Total:	<u>\$ 2260</u>

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Approved By [Signature]
 Our Representative Zechariah Ottavio



GAS VOLUME REPORT

ORDER # 105

3
DST NO.

Initial

Final

[illegible]

Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

