

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

1-31-08

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32811
Name: Osage Resources, L.L.C.
Address: 6209 N. K61 Hwy.
City/State/Zip: Hutchinson, Kansas 67502
Purchaser: OneOK
Operator Contact Person: Benjamin W. Crouch
Phone: (620) 664-9622
Contractor: Name: Warren Drilling, L.L.C.
License: 33724
Wellsite Geologist: _____

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____
Original Comp. Date: 12/14/2006 Original Total Depth: 5460
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

11/8/2006 11/20/2006 12/14/2006
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 007230890000
County: Barber
C NE NW Sec. 7 Twp. 33 S. R. 14 East West
774 826 feet from S (N) (circle one) Line of Section
1956 1960 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Osage Well #: 104
Field Name: Aetna Gas Area

Producing Formation: Mississippian
Elevation: Ground: 1890 Kelly Bushing: 1899
Total Depth: 5460 Plug Back Total Depth: 5350
Amount of Surface Pipe Set and Cemented at 213' 8 5/8" Circ. Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3897' Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AITI NH 10-7-08
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Benjamin W. Crouch
Title: Vice President Date: 1/31/2007

Subscribed and sworn to before me this 31 day of January,
19 2007.
Notary Public: Linda Murdock
Date Commission Expires: 1-24-10

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
FEB 01 2007

NOTARY PUBLIC - State of Kansas
LINDA MURDOCK
My Appt. Exp. 1-24-10

KCC WICHITA

Operator Name: Osage Resources, L.L.C. Lease Name: Osage Well #: 104
 Sec. 7 Twp. 33 S. R. 14 East West County: Barber

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Density/Neutron, Induction

| Log Formation | Top | Datum |
|---------------|-------|-------|
| Lansing | -2308 | MSL |
| BKC | -2739 | MSL |
| Marmaton | -2773 | MSL |
| Mississippian | -4835 | MSL |
| Kinderhook | -3039 | MSL |
| Viola | -3216 | MSL |

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| CASING RECORD | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------------|--------------|----------------------------|
| | | | | New | Used | | |
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12 1/4" | 8 5/8" | 23# | 213' | 60/40 Poz | 210 | 2% gel, 3% CC |
| Intermediate | | | | | | | |
| Production | 7 7/8" | 5 1/2" | 15.5# | 5371' | AA2 Cement/50:50 Poz | 625 | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| TUBING RECORD | Size | Set At | Packer At | Liner Run |
|---------------|------|--------|-----------|--|
| | | | | Yes <input checked="" type="checkbox"/> No |

| Date of First, Resumed Production, SWD or Enhr. | Producing Method |
|---|---|
| | Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <input type="checkbox"/> |

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 0 | <1 | 65 | NA | NA |

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify) _____

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1st Stage

TREATMENT REPORT

| | | | |
|--|--|---------------------------------------|-------------------------|
| Customer <i>1st Stage Resources</i> | Lease No. | Date <i>11-21-06</i> | |
| Lease <i>Draco</i> | Well # <i>104</i> | | |
| Field Order # <i>15384</i> | Station <i>Pratt</i> | Casing <i>5 1/2</i> | Depth <i>5371.41</i> |
| Type Job <i>5 1/2 2stage New well</i> | Formation <i>Plug Container 12' off Floor</i> | County <i>Baker</i> | State <i>Ks.</i> |
| | | Legal Description <i>7-33s-14w</i> | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|--------------------------------|--------------|------------------|----|----------------------------|------------|------------------|-------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid | | RATE | PRESS | ISIP |
| <i>5 1/2</i> | | | | <i>265cc AA2</i> | | | | 5 Min. |
| Depth <i>5396</i> | Depth | From | To | Pre Pad <i>1.50 FT3</i> | Max | | | 10 Min. |
| Volume <i>124</i> | Volume | From | To | Pad | Min | | | 15 Min. |
| Max Press <i>2377</i> | Max Press | From | To | Frac | Avg | | | HHP Used |
| Well Connection <i>P.C.</i> | Annulus Vol. | From | To | | | | | Annulus Pressure |
| Plug Depth <i>5343</i> | Packer Depth | From | To | Flush <i>127 Bbl.</i> | Gas Volume | | | Total Load |

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| | | |
|---|--------------------------------------|--------------------------------|
| Customer Representative <i>Jeff Dale</i> | Station Manager <i>Dave Scott</i> | Treater <i>Bobby Winkle</i> |
|---|--------------------------------------|--------------------------------|

| | |
|---|---|
| Service Units <i>123 226 305 572</i> | Driver Names <i>Drake Anthony Mattal</i> |
|---|---|

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------------|-----------------|-----------------|--------------|------------|---|
| <i>1220</i> | | | | | <i>On location - safety meeting</i> |
| <i>0615</i> | | | | | <i>Run Csg. - Cont. - 3, 13, 16, 26, 28, 39, 42, 52, 54, 65, 67, 77, 79 Bskt. - 14, 27, 41, 53, 66, 78, Div. Tool - 40 (3896.40')</i> |
| <i>1250</i> | | | | | <i>Csg. on bottom</i> |
| <i>1300</i> | | | | | <i>Hook up to Csg. - Break Proc. w/ Rig</i> |
| <i>1430</i> | <i>400</i> | | | <i>3.2</i> | <i>Open to Set Packer Shoe</i> |
| <i>1557</i> | <i>400</i> | | | <i>3.2</i> | <i>Close Disch another ball and try to set again</i> |
| <i>1656</i> | <i>200</i> | | <i>12</i> | <i>4.0</i> | <i>Super Flush II</i> |
| <i>1659</i> | <i>200</i> | | <i>5</i> | <i>4.0</i> | <i>H2O spacer</i> |
| <i>1700</i> | <i>200</i> | | <i>74</i> | <i>4.0</i> | <i>Mix Cont. @ 14.8#/gal</i> |
| <i>1720</i> | | | | | <i>Release Plug - Clear Pump + Lines</i> |
| <i>1725</i> | <i>200</i> | | | <i>7.0</i> | <i>Start H2O Disp.</i> |
| <i>1732</i> | <i>200</i> | | <i>50</i> | <i>7.0</i> | <i>Mud Disp.</i> |
| <i>1737</i> | <i>500</i> | | <i>91</i> | <i>7.0</i> | <i>Lift Pressure</i> |
| <i>1745</i> | <i>1500</i> | | <i>127</i> | | <i>Plug Down</i> |
| <i>1750</i> | | | | | <i>Drop Bomb.</i> |
| <i>1818</i> | <i>900</i> | | | | <i>Open D.V. Tool</i> |
| <i>1820</i> | | | | | <i>Circ.</i> |

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2nd Stage

TREATMENT REPORT

| | | | |
|---|-------------------------|--------------------------------------|---------------------|
| Customer <i>Osage Resources</i> | Lease No. | Date <i>11-21-06</i> | |
| Lease <i>Osage</i> | Well # <i>1041</i> | | |
| Field Order # <i>15384</i> | Station <i>Pratt</i> | Casing <i>5 1/2</i> | Depth |
| Type Job <i>5 1/2 - 2 Stage New Well</i> | Formation | County <i>Barber</i> | State <i>Ks.</i> |
| | | Legal Description <i>7-335-4W</i> | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|--------------------------------|--------------|------------------------------|----|--------------------------------------|--|------------------|-------|------------------|
| Casing Size <i>5 1/2</i> | Tubing Size | Shots/Ft <i>2nd Stage</i> | | Acid <i>300 SK 50/50 P02</i> | | RATE | PRESS | ISIP |
| Depth <i>3817</i> | Depth | From | To | Pre Pad <i>1.58 H³</i> | | Max | | 5 Min. |
| Volume <i>73</i> | Volume | From | To | Pad | | Min | | 10 Min. |
| Max Press <i>2000</i> | Max Press | From | To | Frac | | Avg | | 15 Min. |
| Well Connection <i>P.C.</i> | Annulus Vol. | From | To | | | HHP Used | | Annulus Pressure |
| Plug Depth <i>3817</i> | Packer Depth | From | To | Flush <i>93 Bbl.</i> | | Gas Volume | | Total Load |

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| | | |
|---|--------------------------------------|-------------------------------|
| Customer Representative <i>Jeff Dale</i> | Station Manager <i>Dave Scott</i> | Treater <i>Bobby Drake</i> |
| Service Units <i>123 226 346 510</i> | <i>MADON</i> | |
| Driver Names <i>Drake Anthony</i> | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------------|-----------------|-----------------|--------------|------------|--|
| <i>2036</i> | <i>200</i> | | <i>12</i> | <i>3.0</i> | <i>Super Flush II</i> |
| <i>2040</i> | <i>300</i> | | <i>5</i> | <i>4.6</i> | <i>H2O spacer</i> |
| <i>2041</i> | <i>300</i> | | <i>10.6</i> | <i>5.0</i> | <i>Mix Cont. @ 13.2#/gal</i> |
| <i>2100</i> | | | | | <i>Release Plug - Clear Pump + Lines</i> |
| <i>2104</i> | <i>200</i> | | | <i>7.0</i> | <i>Start Disp.</i> |
| <i>2110</i> | <i>500</i> | | <i>42</i> | <i>7.0</i> | <i>Lift Pressure</i> |
| <i>2130</i> | <i>1800</i> | | <i>93</i> | | <i>Plug Down</i> |
| <i>2135</i> | | | | | <i>Plug Rat @ Mouse Hole</i> |
| | | | | | <i>Circulation Turn Job</i> |
| | | | | | <i>Job Complete</i> |
| | | | | | <i>Thanks, Bobby</i> |

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| | | |
|--|-------------------------|---------------------------------------|
| Customer OSAGE RESOURCES | Lease No. | Date 11-4-06 |
| Lease OSAGE | Well # 104 | |
| Field Order # 14159 | Station Pratt | Casing 8 5/8 23" |
| | Depth 213 | County Barber |
| Type Job Surface 8 5/8" New Well | Formation | Legal Description 7-335-14w |

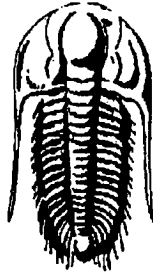
| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---------------------------------|--------------|------------------|------------------------|--------------------------|------------------|--------------------|---------|
| Casing Size 8 5/8 23" | Tubing Size | Shots/Ft | Cement 210sk | Acid Acun Bl. | RATE | PRESS | ISIP |
| Depth 213 | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume 13.9 | Volume | From | To | Pad | Min | KCC | 10 Min. |
| Max Press | Max Press | From | To | Frac | Avg | IAN 31 2007 | 15 Min. |
| Well Connection | Annulus Vol. | From | To | | HHP Used | Annulus Pressure | |
| Plug Depth 200 | Packer Depth | From | To | Flush 12.5 bbl | Gas Volume | Total Load | |

Customer Representative: _____ Station Manager: **Dave Scott** Treater: **Steve Orlando**

| | | | | | | | | | |
|---------------|-------------|----------------|-----------------|--|--|--|--|--|--|
| Service Units | 117 | 309/457 | 346/570 | | | | | | |
| Driver Names | Stev | Koovan | Lachance | | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbbs. Pumped | Rate | Service Log |
|--------------|-----------------|-----------------|--------------|----------|---|
| 0900 | | | | | On location Safety meeting Run 5" to 8 5/8 23" |
| | | | | | Hookup to Csg Break Circ w/Rig |
| 10:39 | 100 | | 5 | 5 | 5 bbl H ₂ O Ahead |
| 10:40 | 150 | | 46.5 | 5 | Mix 210sk Acun @ 14.70# |
| | | | | | Shutdown Release Plug |
| 10:57 | 0 | | | 5 | Start Displacement |
| 11:00 | 150 | | 12.5 | | Plug Down |
| | | | | | Circulation thru Jan |
| | | | | | Circulated 10sk to pit |
| | | | | | Job Complete |
| | | | | | Thanks Steve |

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.07 @ 23:41:55

End Date: 2006.11.08 @ 06:49:55

Job Ticket #: 25797 DST #: 1

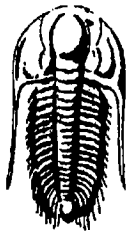
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1-31-08

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

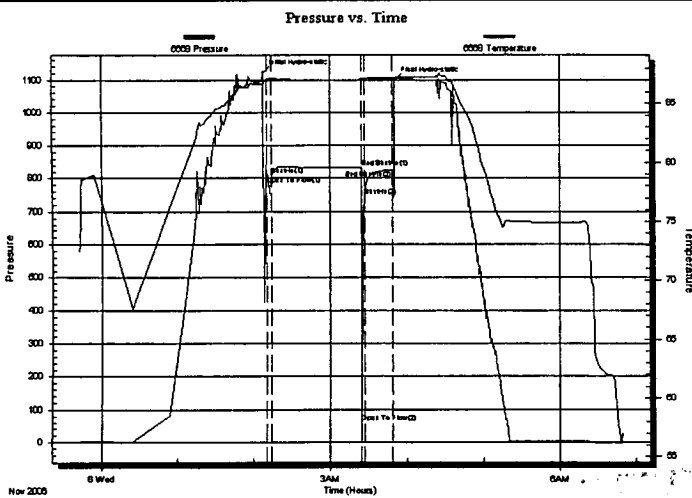
Osage #104
7 33 14 Barber KS
Job Ticket: 25797 DST#: 1
Test Start: 2006.11.07 @ 23:41:55

GENERAL INFORMATION:

Formation: **Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:10:25
Time Test Ended: 06:49:55
Interval: **2283.00 ft (KB) To 2307.00 ft (KB) (TVD)**
Total Depth: 2307.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: **6668** Inside
Press@RunDepth: 745.72 psig @ 2283.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.11.07 End Date: 2006.11.08 Last Calib.: 2006.11.08
Start Time: 23:42:00 End Time: 06:49:54 Time On Btm: 2006.11.08 @ 02:07:55
Time Off Btm: 2006.11.08 @ 03:50:25

TEST COMMENT: IF Strong blow Building to 6" in 4 mins.
ISI Bled off No blow back
FF No blow
FSI Bled off No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1119.22 | 86.78 | Initial Hydro-static |
| 3 | 781.21 | 87.05 | Open To Flow (1) |
| 7 | 811.27 | 87.14 | Shut-In (1) |
| 77 | 832.68 | 87.04 | End Shut-In (1) |
| 78 | 61.82 | 86.92 | Open To Flow (2) |
| 80 | 745.72 | 87.12 | Shut-In (2) |
| 102 | 826.07 | 87.15 | End Shut-In (2) |
| 103 | 1096.87 | 87.18 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 124.00 | Watery Mud 50%W 5%M | 0.61 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25797

DST#: 1

ATTN: Jim Musgrove

Test Start: 2006.11.07 @ 23:41:55

Tool Information

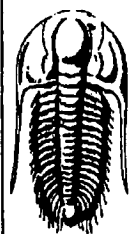
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2041.00 ft | Diameter: 3.80 inches | Volume: 28.63 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 232.00 ft | Diameter: 2.25 inches | Volume: 1.14 bbl | Weight to Pull Loose: 40000.00 lb |
| | | | <u>Total Volume: 29.77 bbl</u> | Tool Chased 8.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial 34000.00 lb |
| Depth to Top Packer: | 2283.00 ft | | | Final 34000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 23.00 ft | | | |
| Tool Length: | 43.00 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 | | | 2268.00 | |
| Hydraulic tool | 5.00 | | | 2273.00 | |
| Packer | 5.00 | | | 2278.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2283.00 | |
| Recorder | 0.00 | 6668 | Inside | 2283.00 | |
| Perforations | 20.00 | | | 2303.00 | |
| Recorder | 0.00 | 13266 | Outside | 2303.00 | |
| Bullnose | 3.00 | | | 2306.00 | 23.00 Bottom Packers & Anchor |

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25797

DST#: 1

ATTN: Jim Musgrove

Test Start: 2006.11.07 @ 23:41:55

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:

8500 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbf

Water Loss: in³

Gas Cushion Type:

Resistivity: 0.91 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---------------------|---------------|
| 124.00 | Watery Mud 50%W 5%M | 0.610 |

Total Length: 124.00 ft

Total Volume: 0.610 bbf

Num Fluid Samples: 0

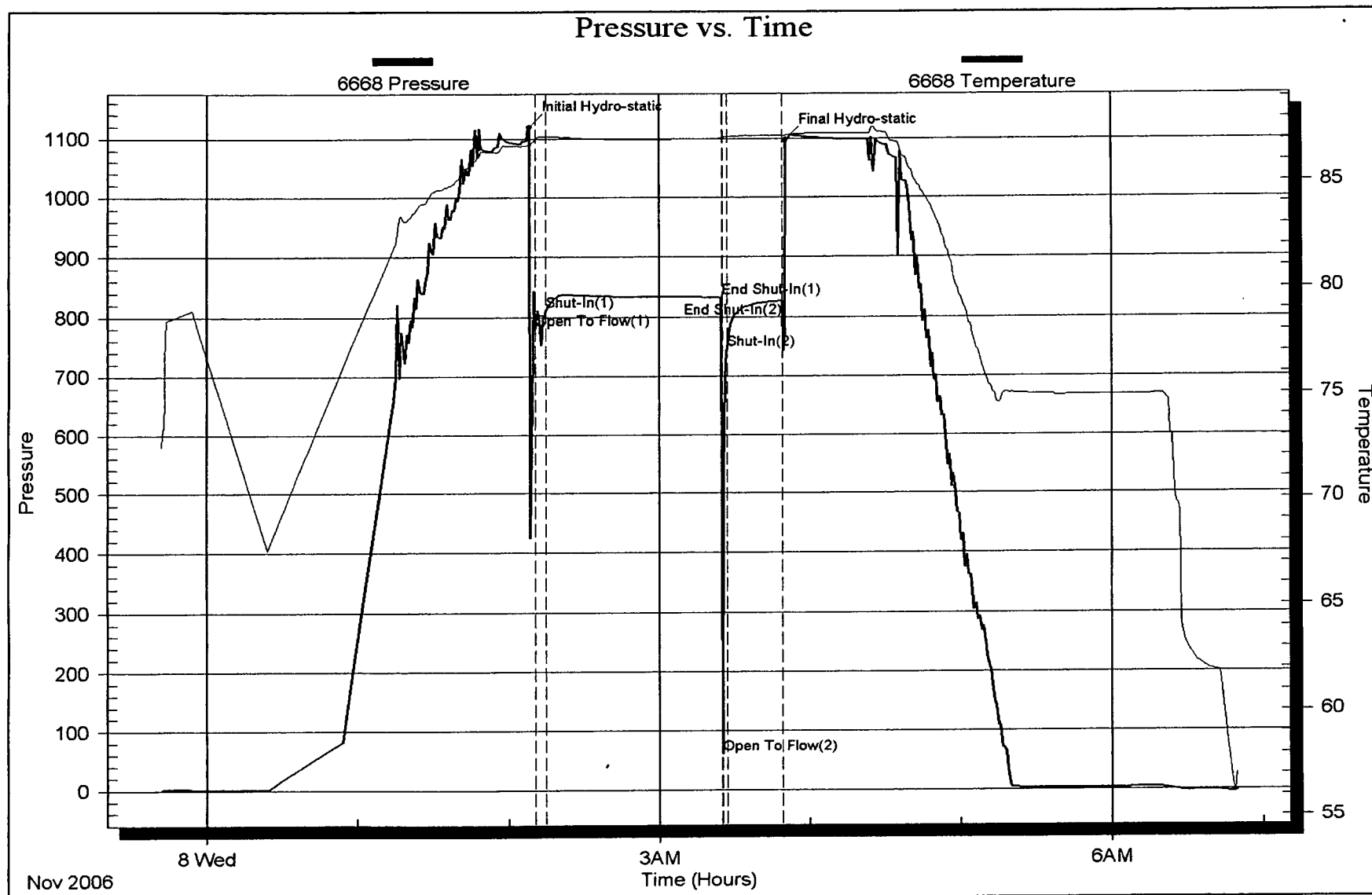
Num Gas Bombs: 0

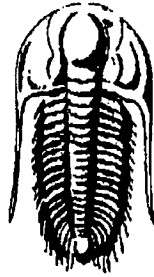
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.11 @ 08:17:27

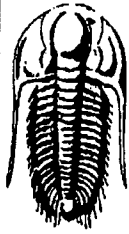
End Date: 2006.11.11 @ 20:05:27

Job Ticket #: 25798 DST #: 2

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

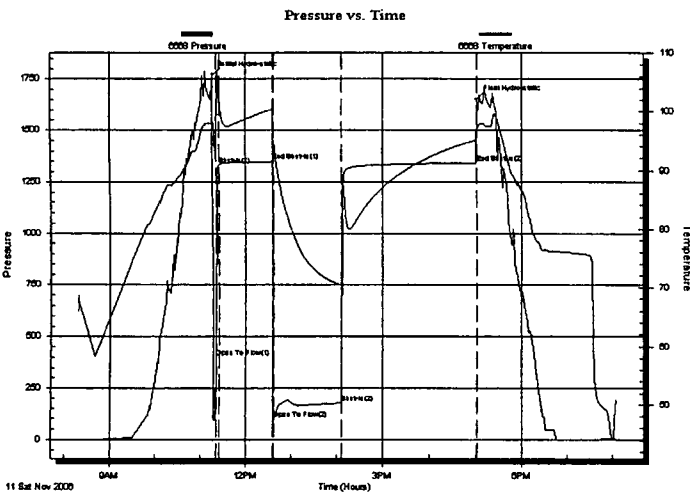
Osage #104
7 33 14 Barber KS
Job Ticket: 25798 **DST#: 2**
Test Start: 2006.11.11 @ 08:17:27

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 11:21:27
Time Test Ended: 20:05:27
Interval: **3527.00 ft (KB) To 3544.00 ft (KB) (TVD)**
Total Depth: **3544.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Travy Cushenbery**
Unit No: **30**
Reference Elevations: **1893.00 ft (KB)**
1885.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6668 **Inside**
Press@RunDepth: **175.96 psig @ 3528.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.11.11** End Date: **2006.11.11** Last Calib.: **2006.11.11**
Start Time: **08:17:32** End Time: **20:05:27** Time On Btm: **2006.11.11 @ 11:16:42**
Time Off Btm: **2006.11.11 @ 17:00:57**

TEST COMMENT: IF Strong blow BOB immediately
ISI Bled off Strong blow back Building to 7 " in 75 mins.
FF Strong blow GTS in 2 mins. (See gas report).
ISI Bled off No blow back



PRESSURE SUMMARY

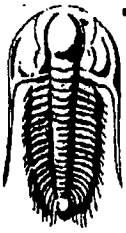
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1772.19 | 98.08 | Initial Hydro-static |
| 5 | 397.69 | 91.49 | Open To Flow (1) |
| 9 | 1334.85 | 102.88 | Shut-In(1) |
| 80 | 1351.21 | 100.37 | End Shut-In(1) |
| 81 | 95.92 | 94.98 | Open To Flow (2) |
| 170 | 175.96 | 70.47 | Shut-In(2) |
| 344 | 1343.27 | 95.10 | End Shut-In(2) |
| 345 | 1652.19 | 95.91 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------------|--------------|
| 30.00 | Gassy Watery Mud 10%G 20%W 70%M 0.15 | |
| 202.00 | Gassy Drilling Mud 10%G 90%M | 0.99 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.38 | 110.00 | 455.71 |
| Last Gas Rate | 0.50 | 70.00 | 569.34 |
| Max. Gas Rate | 0.38 | 110.00 | 455.71 |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources
1605 E 56th Ave
Hutchinson KS 67502
ATTN: Jim Musgrove

Osage #104
7 33 14 Barber KS
Job Ticket: 25798 **DST#: 2**
Test Start: 2006.11.11 @ 08:17:27

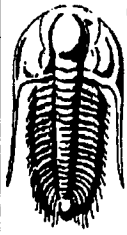
Tool Information

| | | | |
|------------------------------------|--------------------------------|-------------------|------------------------------------|
| Drill Pipe: Length: 3281.00 ft | Diameter: 3.80 inches | Volume: 46.02 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: 232.00 ft | Diameter: 2.25 inches | Volume: 1.14 bbl | Weight to Pull Loose: 46000.00 lb |
| | <u>Total Volume: 47.16 bbl</u> | | Tool Chased 0.00 ft |
| Drill Pipe Above KB: 5.00 ft | | | String Weight: Initial 44000.00 lb |
| Depth to Top Packer: 3527.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: ft | | | |
| Interval between Packers: 18.00 ft | | | |
| Tool Length: 37.00 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 | | | 3513.00 | |
| Hydraulic tool | 5.00 | | | 3518.00 | |
| Packer | 5.00 | | | 3523.00 | 19.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3527.00 | |
| Stubb | 1.00 | | | 3528.00 | |
| Recorder | 0.00 | 6668 | Inside | 3528.00 | |
| Perforations | 14.00 | | | 3542.00 | |
| Recorder | 0.00 | 13266 | Outside | 3542.00 | |
| Bullnose | 3.00 | | | 3545.00 | 18.00 Bottom Packers & Anchor |
| Total Tool Length: | 37.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

ATTN: Jim Musgrove

Test Start: 2006.11.11 @ 08:17:27

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: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---------------------------------|---------------|
| 30.00 | Gassy Watery Mud 10%G 20%W 70%M | 0.148 |
| 202.00 | Gassy Drilling Mud 10%G 90%M | 0.993 |

Total Length: 232.00 ft

Total Volume: 1.141 bbf

Num Fluid Samples: 0

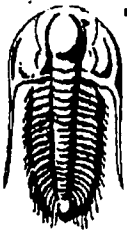
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

ATTN: Jim Musgrove

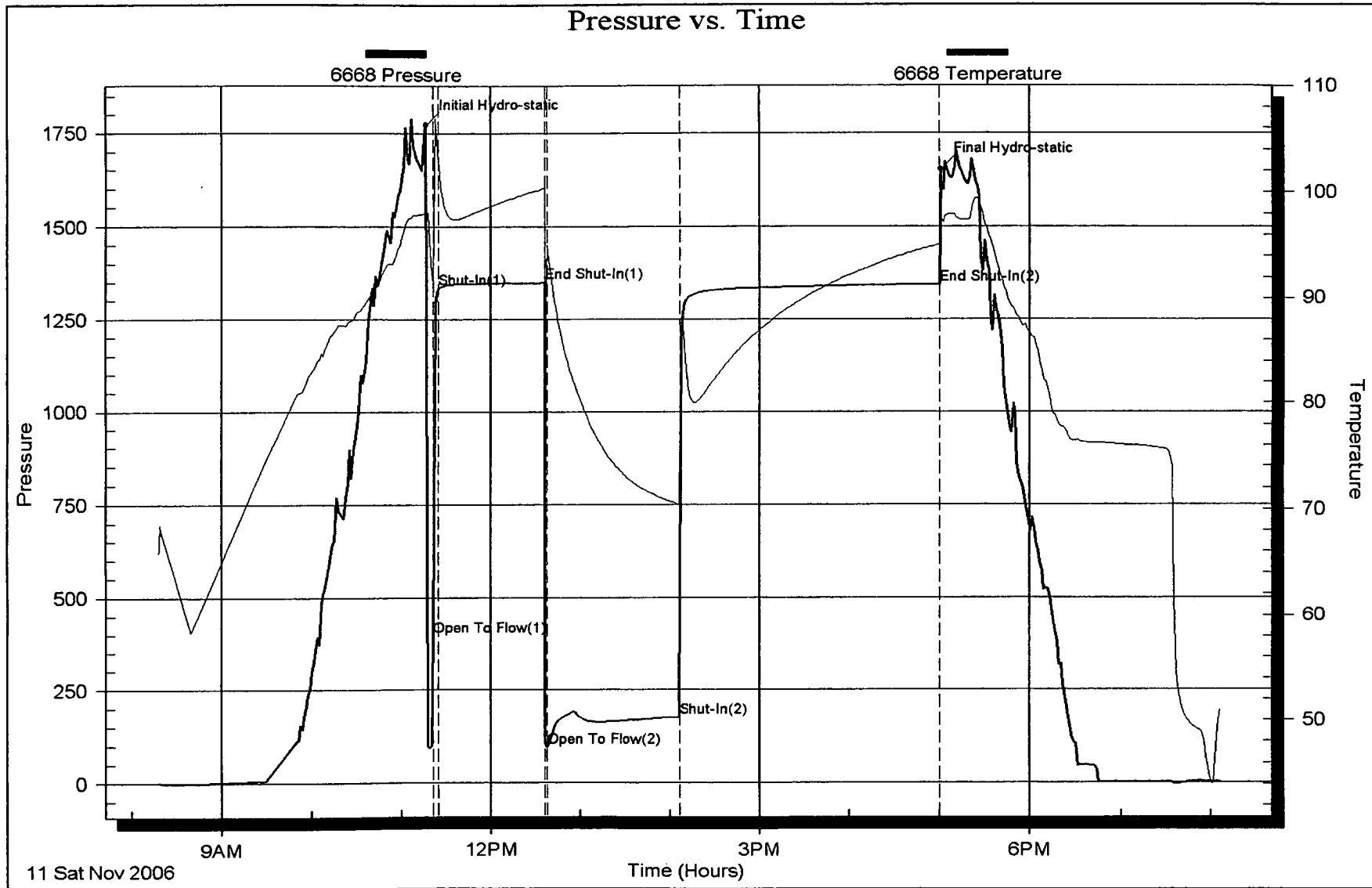
Test Start: 2006.11.11 @ 08:17:27

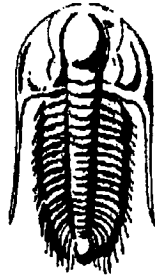
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 2 | 10 | 0.38 | 110.00 | 455.71 |
| 2 | 20 | 0.50 | 87.00 | 684.01 |
| 2 | 30 | 0.50 | 70.00 | 569.34 |
| 2 | 40 | 0.50 | 70.00 | 569.34 |
| 2 | 50 | 0.50 | 70.00 | 569.34 |
| 2 | 60 | 0.50 | 70.00 | 569.34 |
| 2 | 70 | 0.50 | 70.00 | 569.34 |
| 2 | 80 | 0.50 | 70.00 | 569.34 |
| 2 | 90 | 0.50 | 70.00 | 569.34 |





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.12 @ 07:15:33

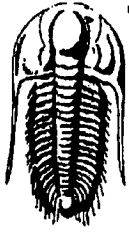
End Date: 2006.11.12 @ 19:41:03

Job Ticket #: 25799 DST #: 3

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 #104
7 33 14 Barber KS
 Job Ticket: 25799 **DST#: 3**
 Test Start: 2006.11.12 @ 07:15:33

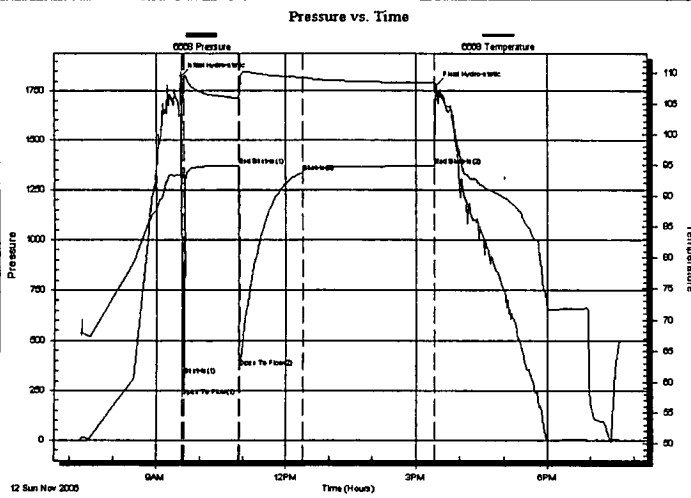
GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:35:03
 Time Test Ended: 19:41:03
 Interval: **3577.00 ft (KB) To 3592.00 ft (KB) (TVD)**
 Total Depth: 3592.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Travy Cushenbery
 Unit No: 30
 Reference Elevations: 1893.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6668 **Inside**
 Press@RunDepth: 1336.47 psig @ 3577.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.11.12 End Date: 2006.11.12 Last Calib.: 2006.11.12
 Start Time: 07:15:38 End Time: 19:41:03 Time On Btr: 2006.11.12 @ 09:34:03
 Time Off Btr: 2006.11.12 @ 15:27:18

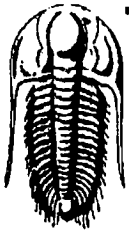
TEST COMMENT: IF Strong blow BOB in 2 mins.
 ISI Bled off No blow back
 FF Strong blow Decreased blow to 8" in 90 mins.
 FSI Bled off No blow back



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 1823.12 | 93.42 | Initial Hydro-static |
| 1 | 219.82 | 103.56 | Open To Flow (1) |
| 5 | 328.22 | 109.12 | Shut-In(1) |
| 81 | 1372.76 | 105.83 | End Shut-In(1) |
| 81 | 364.96 | 106.80 | Open To Flow (2) |
| 170 | 1336.47 | 109.31 | Shut-In(2) |
| 352 | 1369.87 | 108.46 | End Shut-In(2) |
| 354 | 1779.74 | 106.74 | Final Hydro-static |

| Recovery | | |
|-------------|-----------------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 561.00 | Muddy Water 80%W 20%M | 5.76 |
| 2186.00 | Water 100%W | 30.66 |
| 3.00 | Mud 100%M | 0.04 |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|-----------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
| | | | |
| | | | |



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25799

DST#: 3

ATTN: Jim Musgrove

Test Start: 2006.11.12 @ 07:15:33

Tool Information

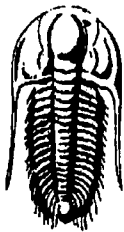
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3343.00 ft | Diameter: 3.80 inches | Volume: 46.89 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 232.00 ft | Diameter: 2.25 inches | Volume: 1.14 bbl | Weight to Pull Loose: 56000.00 lb |
| | | | <u>Total Volume: 48.03 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 44000.00 lb |
| Depth to Top Packer: | 3577.00 ft | | | Final 54000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 14.00 ft | | | |
| Tool Length: | 34.00 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 | | | 3562.00 | |
| Hydraulic tool | 5.00 | | | 3567.00 | |
| Packer | 5.00 | | | 3572.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3577.00 | |
| Recorder | 0.00 | 6668 | Inside | 3577.00 | |
| Perforations | 11.00 | | | 3588.00 | |
| Recorder | 0.00 | 13266 | Outside | 3588.00 | |
| Bullnose | 3.00 | | | 3591.00 | 14.00 Bottom Packers & Anchor |

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25799

DST#: 3

ATTN: Jim Musgrove

Test Start: 2006.11.12 @ 07:15:33

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:

49000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.49 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------|---------------|
| 561.00 | Muddy Water 80%W 20%M | 5.756 |
| 2186.00 | Water 100%W | 30.664 |
| 3.00 | Mud 100%M | 0.042 |

Total Length: 2750.00 ft

Total Volume: 36.462 bbl

Num Fluid Samples: 0

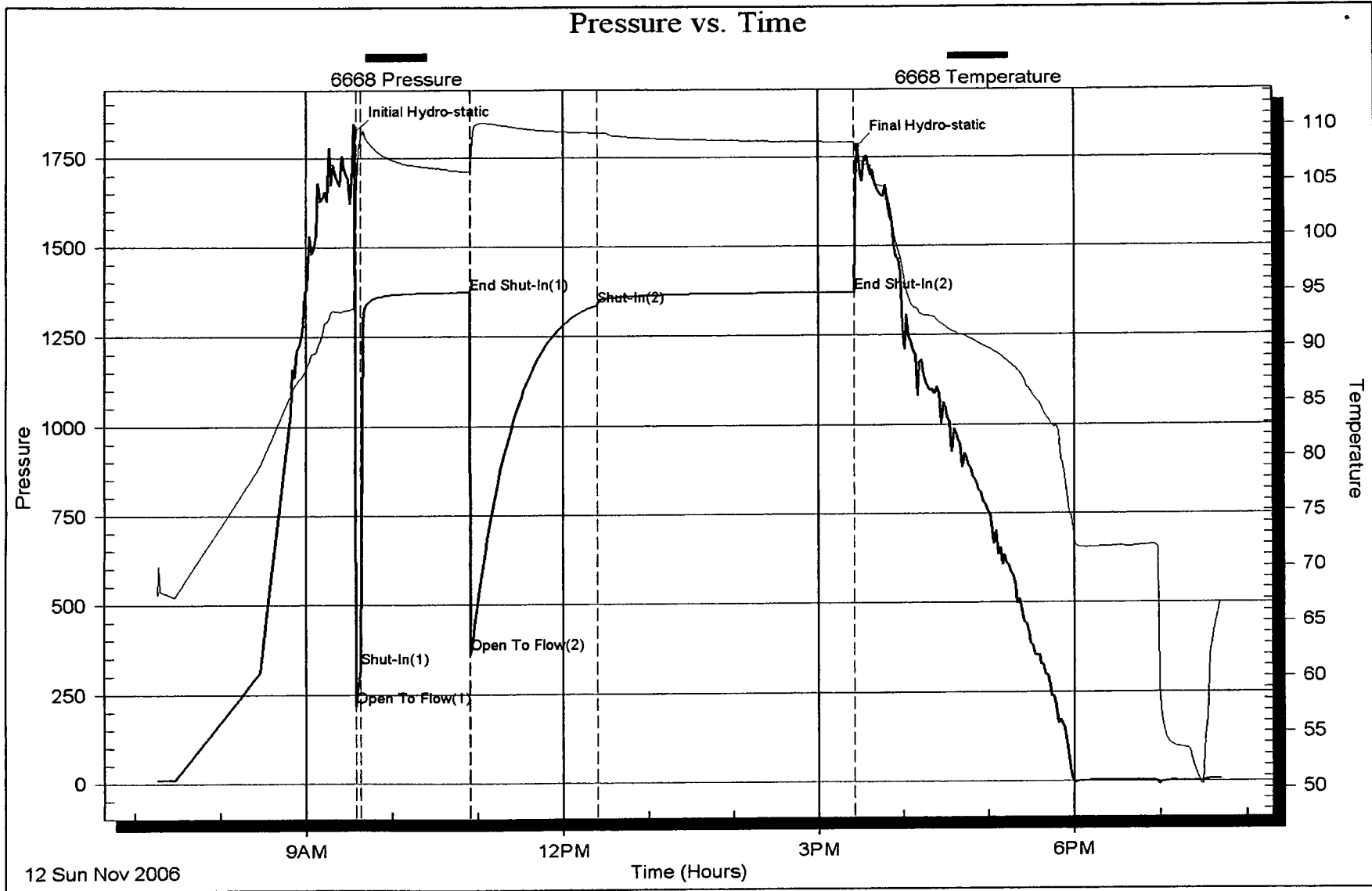
Num Gas Bombs: 0

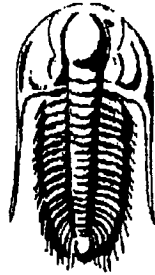
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.16 @ 08:56:59

End Date: 2006.11.16 @ 18:56:44

Job Ticket #: 25514 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2006.11.20 @ 09:51:22 Page 1

Osage Resources

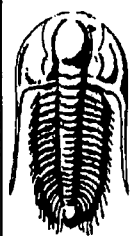
Osage #104

7 33 14 Barber KS

DST # 4

Mississippi

2006.11.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Osage Resources
1605 E 56th Ave
Hutchinson KS 67502
ATTN: Jim Musgrove

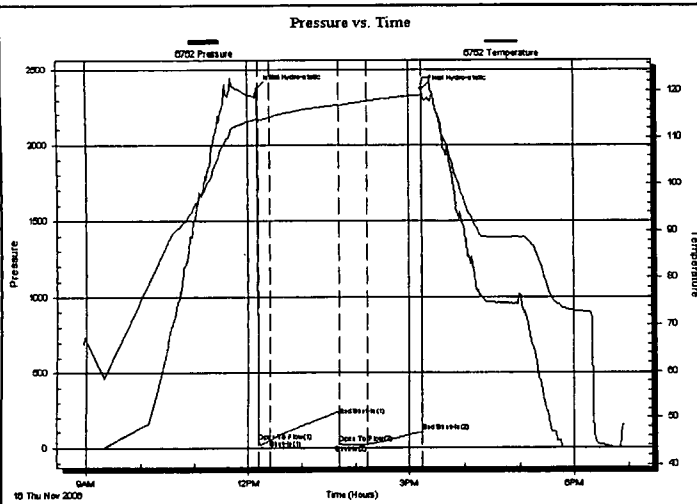
Osage #104
7 33 14 Barber KS
Job Ticket: 25514 **DST#: 4**
Test Start: 2006.11.16 @ 08:56:59

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 12:11:14
Time Test Ended: 18:56:44
Test Type: **Conventional Bottom Hole**
Tester: **Leal Cason**
Unit No: **19**
Interval: **4784.00 ft (KB) To 4852.00 ft (KB) (TVD)**
Reference Elevations: **1893.00 ft (KB)**
Total Depth: **4852.00 ft (KB) (TVD)**
1885.00 ft (CF)
Hole Diameter: **7.80 inches** Hole Condition: **Poor**
KB to GR/CF: **8.00 ft**

Serial #: 6752 **Inside**
Press@RunDepth: **20.04 psig @ 4787.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.11.16** End Date: **2006.11.16** Last Calib.: **2006.11.16**
Start Time: **08:57:04** End Time: **18:56:44** Time On Btm: **2006.11.16 @ 12:10:44**
Time Off Btm: **2006.11.16 @ 15:13:29**

TEST COMMENT: IF Weak Blow 1 "
ISI No Blow back
FF Weak Blow 4 "
FSI No Blow back



PRESSURE SUMMARY

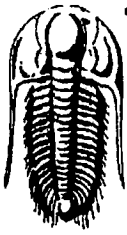
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2371.29 | 113.82 | Initial Hydro-static |
| 1 | 40.74 | 113.55 | Open To Flow (1) |
| 14 | 49.54 | 114.24 | Shut-In(1) |
| 91 | 212.97 | 116.98 | End Shut-In(1) |
| 91 | 24.10 | 116.93 | Open To Flow (2) |
| 122 | 20.04 | 117.84 | Shut-In(2) |
| 183 | 100.19 | 119.13 | End Shut-In(2) |
| 183 | 2368.21 | 121.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 20.00 | SGCM 2%g 98%m | 0.10 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25514

DST#: 4

ATTN: Jim Musgrove

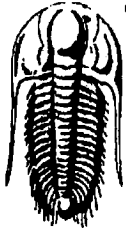
Test Start: 2006.11.16 @ 08:56:59

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4562.00 ft | Diameter: 3.80 inches | Volume: 63.99 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: 232.00 ft | Diameter: 2.25 inches | Volume: 1.14 bbl | Weight to Pull Loose: 68000.00 lb |
| | | | <u>Total Volume: 65.13 bbl</u> | Tool Chased ft |
| Drill Pipe Above KB: | 29.00 ft | | | String Weight: Initial 52000.00 lb |
| Depth to Top Packer: | 4784.00 ft | | | Final 52000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 68.00 ft | | | |
| Tool Length: | 87.00 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 | | | 4770.00 | |
| Hydraulic tool | 5.00 | | | 4775.00 | |
| Packer | 5.00 | | | 4780.00 | 19.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4784.00 | |
| Stubb | 1.00 | | | 4785.00 | |
| Perforations | 2.00 | | | 4787.00 | |
| Recorder | 0.00 | 6752 | Inside | 4787.00 | |
| Drill Pipe | 62.00 | | | 4849.00 | |
| Recorder | 0.00 | 13255 | Outside | 4849.00 | |
| Bullnose | 3.00 | | | 4852.00 | 68.00 Bottom Packers & Anchor |
| Total Tool Length: | 87.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25514

DST#: 4

ATTN: Jim Musgrove

Test Start: 2006.11.16 @ 08:56:59

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 20.00 | SGCM 2%g 98%m | 0.098 |

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

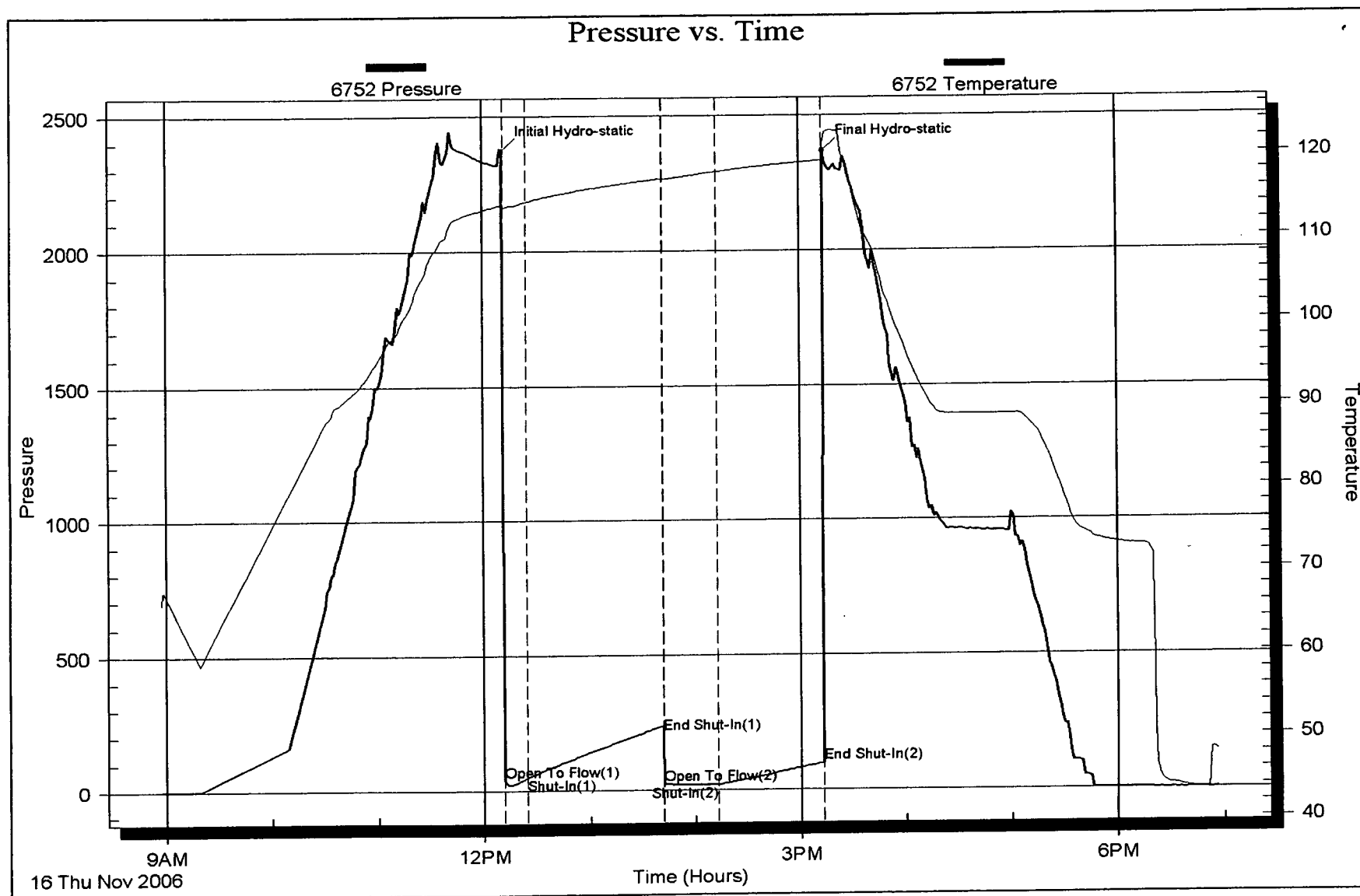
Num Gas Bombs: 0

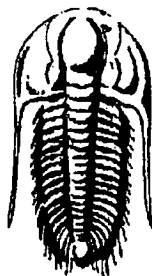
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.17 @ 19:30:30

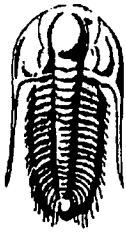
End Date: 2006.11.18 @ 06:29:00

Job Ticket #: 25515 DST #: 5

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

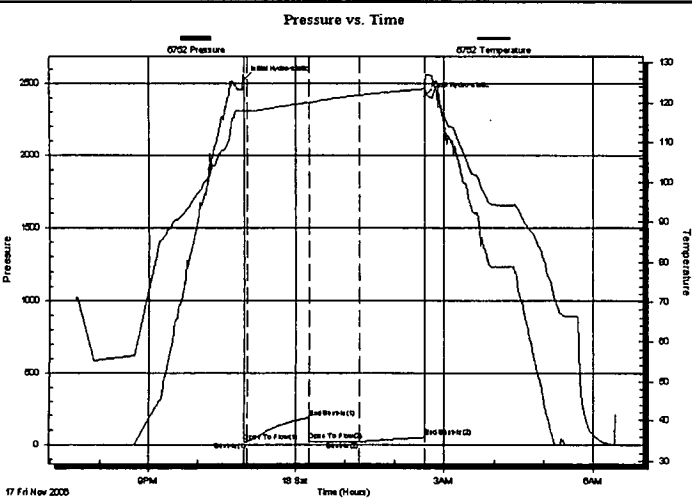
Osage #104
7 33 14 Barber KS
Job Ticket: 25515 DST#: 5
Test Start: 2006.11.17 @ 19:30:30

GENERAL INFORMATION:

Formation: **Viola**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 22:57:15
Time Test Ended: 06:29:00
Interval: **5080.00 ft (KB) To 5126.00 ft (KB) (TVD)**
Total Depth: 5126.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Leal Cason**
Unit No: **19**
Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 **Inside**
Press@RunDepth: 21.12 psig @ 5081.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.11.17 End Date: 2006.11.18 Last Calib.: 2006.11.18
Start Time: 19:30:35 End Time: 06:29:00 Time On Btm: 2006.11.17 @ 22:56:45
Time Off Btm: 2006.11.18 @ 02:36:59

TEST COMMENT: IF Weak Blow 1/4 "
ISI No Blow back
FF Weak Blow 3 "
FSI No Blow back



PRESSURE SUMMARY

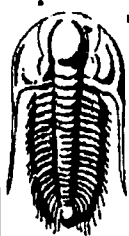
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 2523.70 | 118.25 | Initial Hydro-static |
| 1 | 22.46 | 117.94 | Open To Flow (1) |
| 4 | 22.51 | 117.73 | Shut-In (1) |
| 80 | 181.15 | 120.02 | End Shut-In (1) |
| 80 | 25.59 | 119.95 | Open To Flow (2) |
| 141 | 21.12 | 121.92 | Shut-In (2) |
| 220 | 52.22 | 123.52 | End Shut-In (2) |
| 221 | 2409.45 | 124.42 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------|--------------|
| 5.00 | SOCM -1%O +99%Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25515

DST#: 5

ATTN: Jim Musgrove

Test Start: 2006.11.17 @ 19:30:30

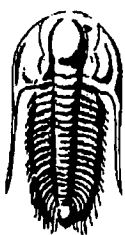
Tool Information

| | | | | |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 4843.00 ft | Diameter: 3.80 inches | Volume: 67.93 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: 232.00 ft | Diameter: 2.25 inches | Volume: 1.14 bbl | Weight to Pull Loose: 54000.00 lb |
| | | Total Volume: 69.07 bbl | | Tool Chased ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 54000.00 lb |
| Depth to Top Packer: | 5080.00 ft | | | Final 54000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 46.00 ft | | | |
| Tool Length: | 66.00 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 | | | 5061.00 | |
| Shut In Tool | 5.00 | | | 5066.00 | |
| Hydraulic tool | 5.00 | | | 5071.00 | |
| Packer | 5.00 | | | 5076.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 5080.00 | |
| Stubb | 1.00 | | | 5081.00 | |
| Recorder | 0.00 | 6752 | Inside | 5081.00 | |
| Perforations | 3.00 | | | 5084.00 | |
| Drill Pipe | 31.00 | | | 5115.00 | |
| Perforations | 8.00 | | | 5123.00 | |
| Recorder | 0.00 | 13255 | Outside | 5123.00 | |
| Bullnose | 3.00 | | | 5126.00 | 46.00 Bottom Packers & Anchor |

Total Tool Length: 66.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25515

DST#: 5

ATTN: Jim Musgrove

Test Start: 2006.11.17 @ 19:30:30

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:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|-------------------|---------------|
| 5.00 | SOCM -1%O +99%Mud | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

