

1-31-08

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

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 **KCC**
Phone: (620) 664-9622
Contractor: Name: D & B Drilling **JAN 31 2007**
License: 33789 **CONFIDENTIAL**
Wellsite Geologist: _____

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: 1/18/2007 Original Total Depth: 5494
 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. _____

11/12/2006 12/5/2006 1/18/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 007230900000
County: Barber
NE-NE-NE Sec. 2 Twp. 32 S. R. 15 East West
475 feet from S (N) (circle one) Line of Section
350 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 #: 105
Field Name: Aetna Gas Area
Producing Formation: Viola
Elevation: Ground: 1962 Kelly Bushing: 1969
Total Depth: 5494 Plug Back Total Depth: 5344
Amount of Surface Pipe Set and Cemented at 210' 8 5/8" Circ. Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AIR INK 10-708
(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: _____
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

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

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

RECEIVED
FEB 01 2007

KCC WICHITA

Operator Name: Osage Resources, L.L.C. Lease Name: Osage Well #: 105
 Sec. 2 Twp. 32 S. R. 15 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	-2313	MSL
BKC	-2740	MSL
Marmaton	-2793	MSL
Mississippian	-2879	MSL
Kinderhook	-3004	MSL
Viola	-3189	MSL

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JAN 31 2007
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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#	210'	60/40 Poz	210	2% gel, 3% CC
Intermediate							
Production	7 7/8"	5 1/2"	15.5#	5387'	A-Con/AA2	500	

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
4	5238 to 5244	4000 gal acid	
	CIBP @ 5235'		
4	5192 to 5198	4000 gal acid	

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KCC WICHITA

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	5220'		Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method				
	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
			20	NA	NA

Disposition of Gas Vented Sold Used on Lease
 (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

Customer <i>Osage Resources</i>	Lease No.	Date <i>12-6-06</i>
Lease <i>Osage</i>	Well # <i>105</i>	
Field Order # <i>15393</i>	Station <i>Pratt</i>	County <i>Barber</i>
Type Job <i>5 1/2 L.S. N.W.</i>	Casing <i>5 1/2</i>	Depth <i>5387</i>
	Formation	Legal Description <i>31-32s-14w</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft	<i>Lead Cont.</i>	Acid <i>150sk. H-Con.</i>		RATE	PRESS	ISIP
Depth <i>5387</i>	Depth	From	To	Pre Pad <i>2.03ft³</i>	Max	KCC JAN 31 2007 CONFIDENTIAL	Annulus Pressure	5 Min.
Volume <i>126</i>	Volume	From	To	Red <i>350sk. AA2</i>	Min			10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac <i>1.50ft³</i>	Avg			15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used			
Plug Depth <i>5244</i>	Packer Depth	From	To	Flush <i>124Bbl.</i>	Gas Volume			Total Load

Customer Representative <i>Jeff Dale</i>	Station Manager <i>Debbie Smith</i>	Treater <i>Bobby Drake</i>
---	--	-------------------------------

Service Units <i>123</i>	<i>228</i>	<i>347</i>	<i>501</i>	<i>346</i>	<i>570</i>
Driver Names <i>Drake</i>	<i>Sulaven</i>	<i>Blos</i>	<i>LaChance</i>	<i>Willis</i>	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>2445</i>					<i>On location - Safety Meeting</i>
<i>0315</i>					<i>Ran 1sg. - Cont. - 8,14,36 Bskt. - 9,20,30</i>
<i>0620</i>					<i>1sg. on bottom</i>
<i>0630</i>					<i>Hookup to Csg. - Break Circ. w/ Rig</i>
<i>0830</i>	<i>1300</i>				<i>Set Packer Shoe - Circ. + wait on H₂O</i>
<i>1108</i>	<i>200</i>		<i>12</i>	<i>4.0</i>	<i>Super Flush II</i>
<i>1111</i>	<i>200</i>		<i>5</i>	<i>4.0</i>	<i>H₂O spacer</i>
<i>1113</i>	<i>200</i>		<i>55</i>	<i>5.5</i>	<i>Mix Lead Cont. @ 13.0#/gal</i>
<i>1122</i>	<i>250</i>		<i>49</i>	<i>5.0</i>	<i>Mix Tail Cont. @ 14.8#/gal</i>
<i>1140</i>					<i>Release Plug - Clear Pump + Lines</i>
<i>1142</i>	<i>100</i>			<i>6.0</i>	<i>Start Disp.</i>
<i>1150</i>	<i>500</i>		<i>50</i>	<i>5.3</i>	<i>Lift Pressure</i>
<i>1205</i>	<i>2200</i>		<i>124</i>		<i>Plug Down</i>
<i>1210</i>			<i>4</i>		<i>Plug Rat Hole</i>
					<i>Circulation Thru Job</i>
					<i>Job Complete</i>
					<i>Thanks, Bobby</i>

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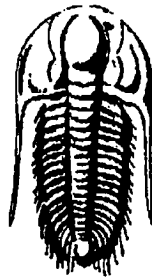
Subject to Correction

Date	12-6-06	Customer ID	Lease	Osage	Well #	105	Legal	31-325-14w
C H A R G E	Osage Resources		County	Barber	State	Ks.	Station	Pratt
	Depth		Formation		Shoe Joint			42.72
	Casing	5 1/2	Casing Depth	3387	TD	5494	Job Type	3 1/2 L.S. N.W.
			Customer Representative	Jeff Dale	Treater	Bobby Drake		

AFE Number		PO Number	Materials Received by	X
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Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	D201	150SK.	A Cen Blend		
P	D205	350SK.	AA2		
P	D203	25SK.	60/40 P02		
KCC					
JAN 31 2007					
CONFIDENTIAL					
P	C195	306lb.	FLA-322		
P	C310	423lb.	Calcium Chloride		
P	C244	158lb.	Cement Friction Reducer		
P	C194	127lb.	Cellulose		
P	C312	353lb.	Gas Blok		
P	C221	1942lb.	Salt (Anhyd)		
P	C243	33lb.	Deframer		
P	C321	1744lb.	Gilsonite		
P	C304	500gal.	Super Flush II		
P	F101	3ea.	Turbolizer, 5 1/2"		
P	F274	1ea.	Weatherford Cementing Shoe Parker Type, 5 1/2"		
P	F171	1ea.	Isr. Latch Down Plug + Baffle, 5 1/2"		
P	F121	3ea.	Basket, 5 1/2"		
P	F800	1ea.	Threadlock Compound Kit		
P	E100	165mi.	Heavy Vehicle Mileage		
P	E101	55mi.	Pickup Mileage		
P	E104	1353tm.	Bulk Delivery		
P	E107	525sk.	Cement Service Charge		
P	R211	1ea.	Cement Pump, 5001'-5500'		
P	R201	1ea.	Cement Head Rental		
P	R402	4 ea.	Additional Hours		
Discounted Price--					23,610.57

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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

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

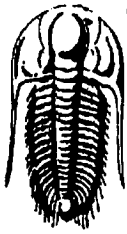
CONFIDENTIAL

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

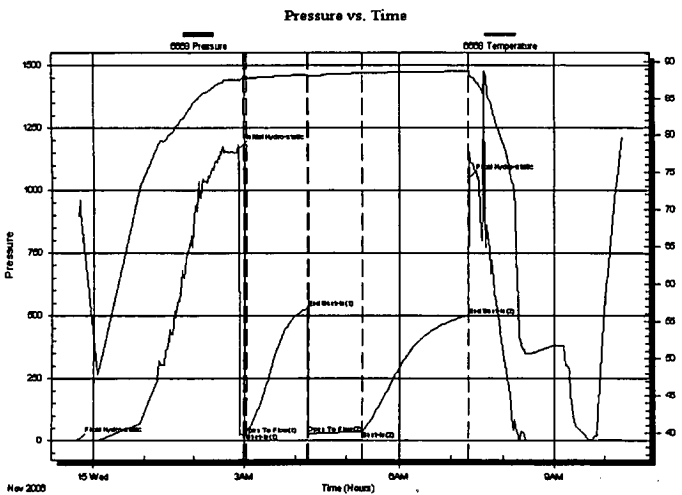
Osage #105
2 33 15 Barber KS
Job Ticket: 25800 DST#: 1
Test Start: 2006.11.14 @ 23:42:10

GENERAL INFORMATION:

Formation: **Krider**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:59:10
 Time Test Ended: 10:22:10
 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**
 Test Type: **Conventional Bottom Hole**
 Tester: **Travy Cushenbery**
 Unit No: **30**
 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)** Capacity: **7000.00 psig**
 Start Date: **2006.11.14** End Date: **2006.11.15** Last Calib.: **2006.11.15**
 Start Time: **23:42:15** End Time: **10:22:10** 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 SUMMARY

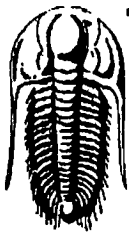
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-0.13	69.10	Final Hydro-static
192	1168.25	87.65	Initial Hydro-static
197	21.54	87.73	Open To Flow (1)
200	31.21	87.74	Shut-In(1)
272	530.65	88.18	End Shut-In(1)
274	25.94	88.04	Open To Flow (2)
336	35.63	88.40	Shut-In(2)
458	500.45	88.65	End Shut-In(2)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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

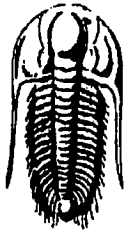
Tool Information

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
		<u>Total Volume:</u>	<u>30.02 bbl</u>	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	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
TESTING, INC**

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

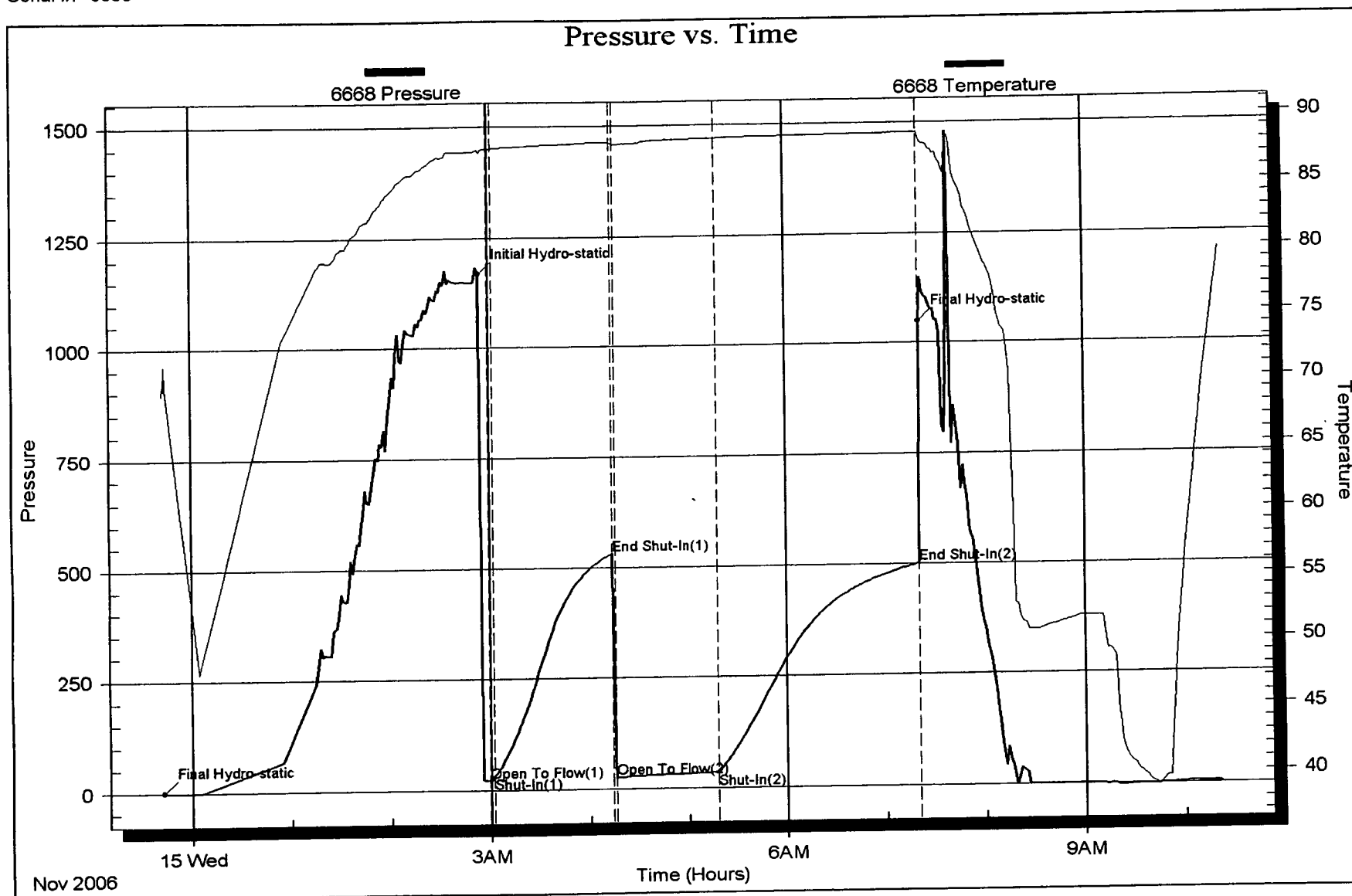
Num Gas Bombs: 0

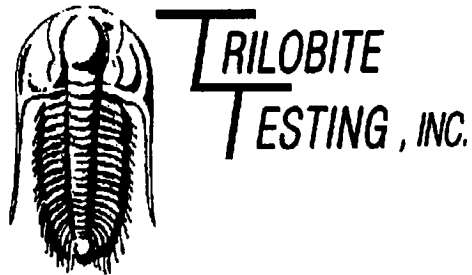
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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

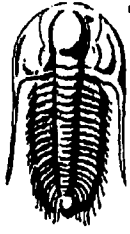
End Date: 2006.11.18 @ 07:58:54

Job Ticket #: 26382 DST #: 2

Trilobite Testing, Inc

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

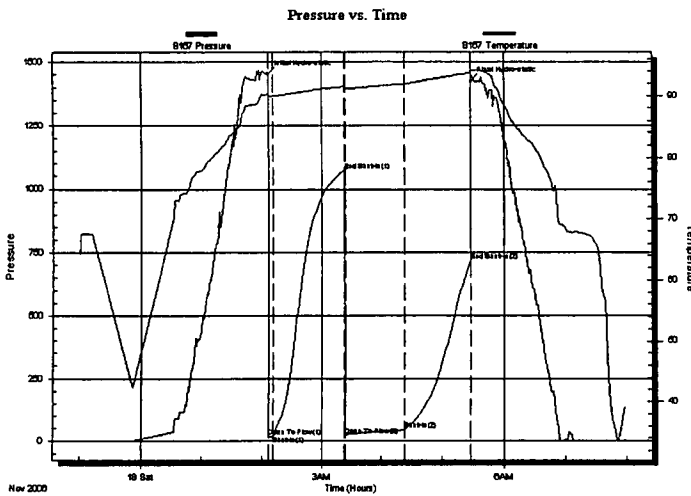
Osage #105
2 33 15 Barber KS
Job Ticket: 26382 **DST#: 2**
Test Start: 2006.11.17 @ 23:00:24

GENERAL INFORMATION:

Formation: **Indian Cave**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:06:54
Time Test Ended: 07:58:54
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
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39
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) Capacity: 7000.00 psig
Start Date: 2006.11.17 End Date: 2006.11.18 Last Calib.: 2006.11.18
Start Time: 23:00:29 End Time: 07:58:54 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



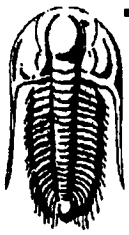
PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1452.52	90.26	Initial Hydro-static
1	15.75	89.85	Open To Flow (1)
5	18.31	89.94	Shut-In(1)
77	1071.08	91.55	End Shut-In(1)
78	20.20	91.32	Open To Flow (2)
137	41.91	91.98	Shut-In(2)
202	716.83	93.67	End Shut-In(2)
202	1422.40	94.10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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 26382

DST#: 2

ATTN: Jim Musgrove

Test Start: 2006.11.17 @ 23:00:24

Tool Information

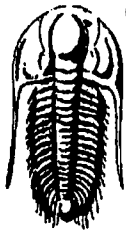
Drill Pipe:	Length: 2831.00 ft	Diameter: 3.80 inches	Volume: 39.71 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 84000.00 lb
		<u>Total Volume:</u>	<u>41.01 bbl</u>	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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 26382

DST#: 2

ATTN: Jim Musgrove

Test Start: 2006.11.17 @ 23:00:24

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:

5000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

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

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

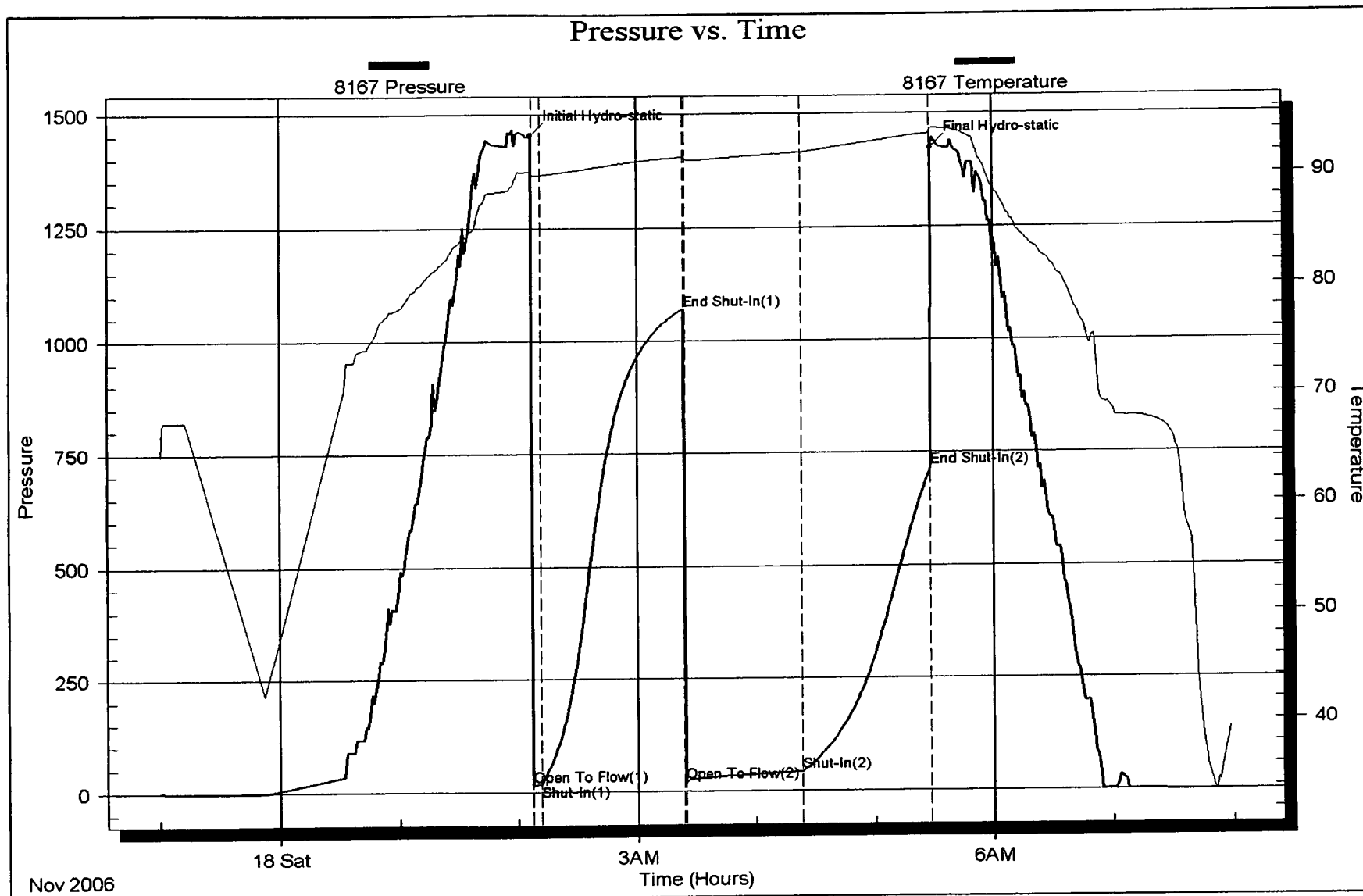
Num Gas Bombs: 0

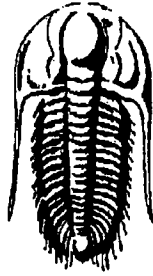
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
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: 2006.11.21 @ 19:39:35

End Date: 2006.11.22 @ 11:52:13

Job Ticket #: 25492 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

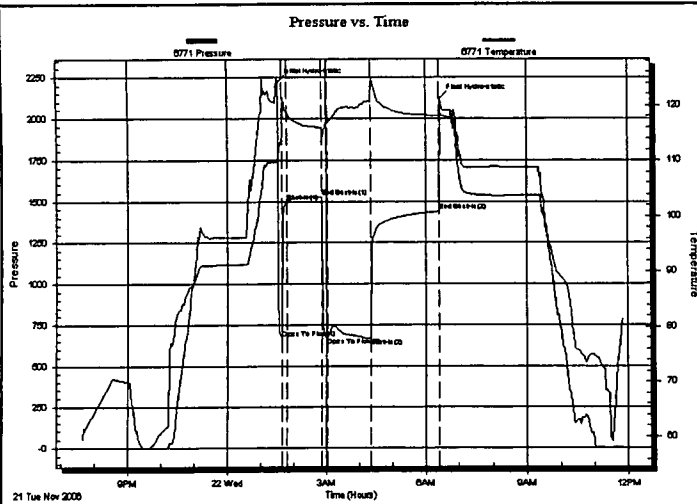
Osage #105
2 33 15 Barber KS
Job Ticket: 25492 **DST#: 3**
Test Start: 2006.11.21 @ 19:39:35

GENERAL INFORMATION:

Formation: **Lansing 'B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:39:43
Time Test Ended: 11:52:13
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
Test Type: Conventional Bottom Hole
Tester: Zach Stover
Unit No: 23
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) Capacity: 7000.00 psig
Start Date: 2006.11.21 End Date: 2006.11.22 Last Calib.: 2006.11.22
Start Time: 19:39:40 End Time: 11:52:12 Time On Btrr: 2006.11.22 @ 01:33:13
Time Off Btrr: 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 SUMMARY

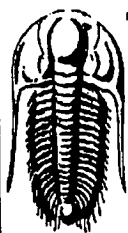
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.18	110.40	Initial Hydro-static
7	667.65	113.91	Open To Flow (1)
15	1495.44	118.62	Shut-In(1)
80	1526.57	115.96	End Shut-In(1)
89	674.78	116.90	Open To Flow (2)
169	665.24	120.70	Shut-In(2)
293	1437.22	118.06	End Shut-In(2)
293	2122.19	118.78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

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

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
		<u>Total Volume:</u>	<u>57.90 bbl</u>	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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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				



TRILOBITE
TESTING, INC

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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
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

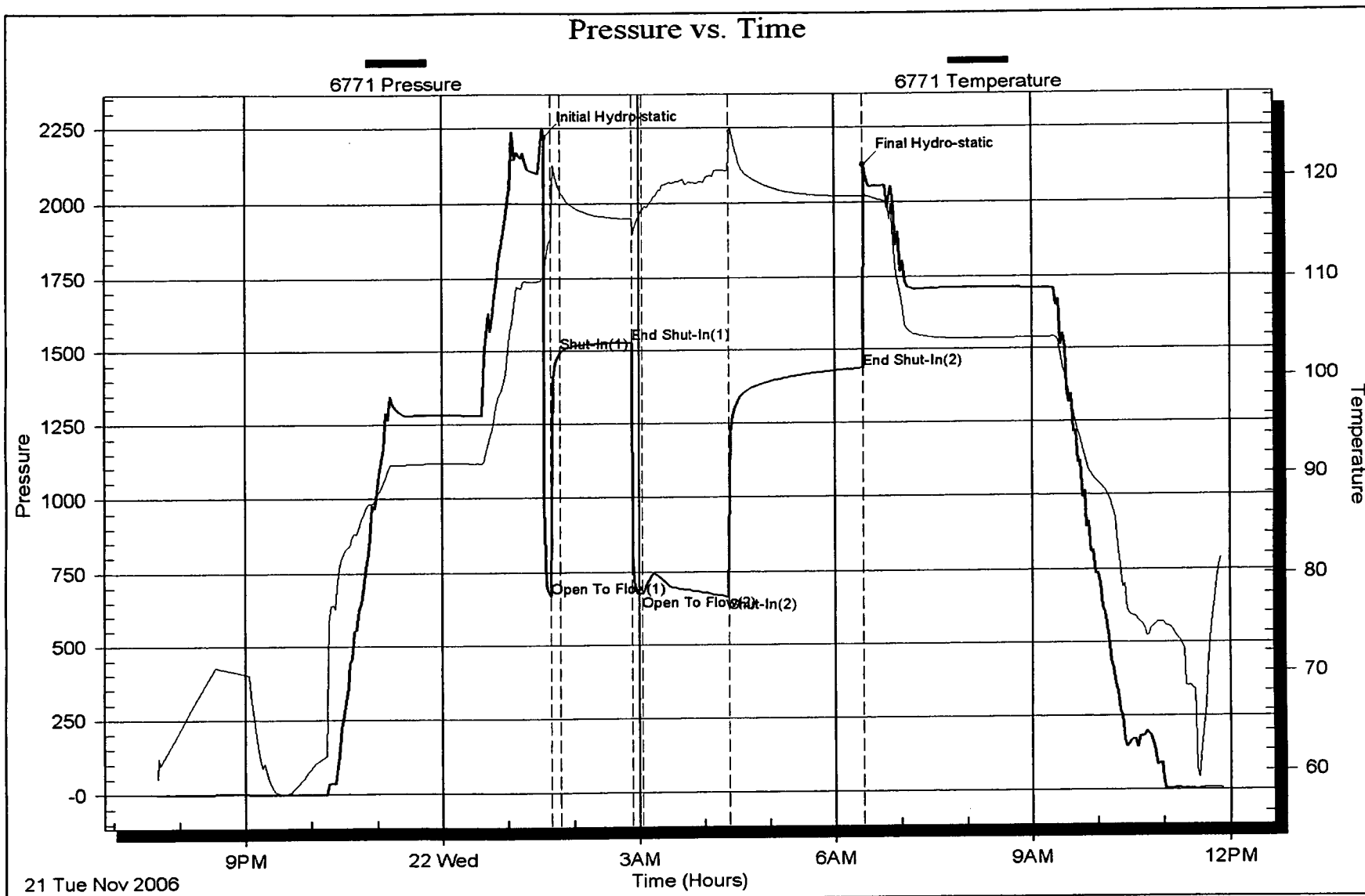
Num Gas Bombs: 0

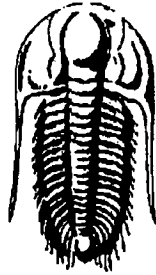
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
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: 2006.12.02 @ 11:55:03

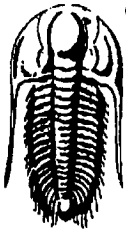
End Date: 2006.12.03 @ 02:03:48

Job Ticket #: 25880 DST #: 4

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

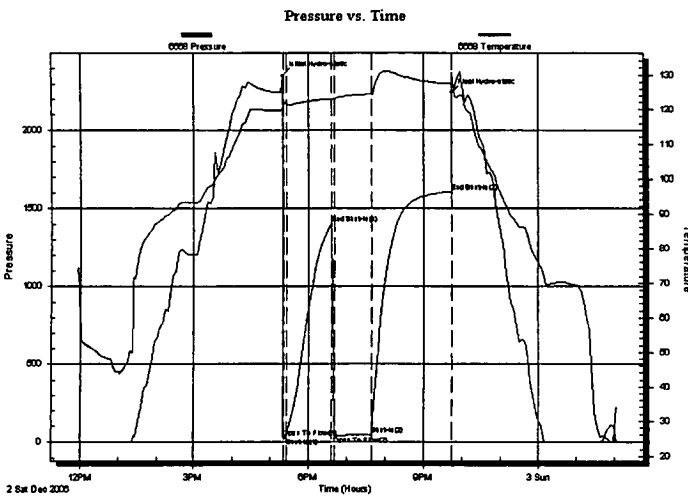
Osage #105
2 33 15 Barber KS
Job Ticket: 25880 DST#: 4
Test Start: 2006.12.02 @ 11:55:03

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 17:21:03
Time Test Ended: 02:03:48
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**
Test Type: **Conventional Bottom Hole**
Tester: **Travy Cushenbery**
Unit No: **30**
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)** Capacity: **7000.00 psig**
Start Date: **2006.12.02** End Date: **2006.12.03** 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 SUMMARY

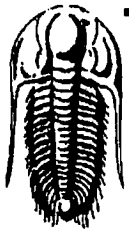
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.62	120.50	Initial Hydro-static
2	27.74	121.18	Open To Flow (1)
6	28.71	122.09	Shut-In (1)
78	1405.63	123.09	End Shut-In (1)
82	39.46	123.22	Open To Flow (2)
140	49.24	124.58	Shut-In (2)
264	1609.65	127.50	End Shut-In (2)
264	2244.52	129.79	Final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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 25880

DST#: 4

ATTN: Jim Musgrove

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

Osage #105

1605 E 56th Ave
Hutchinson KS 67502

2 33 15 Barber KS

Job Ticket: 25880

DST#: 4

ATTN: Jim Musgrove

Test Start: 2006.12.02 @ 11:55:03

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

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:

