

ORIGINAL

11/09/13

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3988  
Name: Slawson Exploration Co., Inc.  
Address 1: 204 N Robinson, Ste 2300  
Address 2: \_\_\_\_\_  
City: OKC State: OK Zip: 73102  
Contact Person: Steve Slawson  
Phone: (405) 232 0201  
CONTRACTOR: License # 33575  
Name: WW Drilling LLC  
Wellsite Geologist: Patrick Deeniham  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

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

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

9/22/11    10/1/11    10/1/11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 193-20822-00-00

Spot Description: \_\_\_\_\_  
SW NE NE SE Sec. 22 Twp. 10 S. R. 34  East  West  
2,070 Feet from  North /  South Line of Section  
390 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Thomas

Lease Name: JAMES BF Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: None

Elevation: Ground: 3195 Kelly Bushing: 3199

Total Depth: 4850 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 313 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

(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 5000 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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KCC WICHITA

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: [Signature]  
Title: VP-Operations Date: 11/9/11

KCC Office Use ONLY

Letter of Confidentiality Received  
Date: 11.09.11 - 11.09.13  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: [Signature] Date: 11-10-11

Operator Name: Slawson Exploration Co., Inc. Lease Name: JAMES BF Well #: 67114-01-1  
 Sec. 22 Twp. 10 S. R. 34  East  West County: Thomas

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>DIL-SP-CNL-CDL-ML</b>	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th colspan="2"></th> <th style="text-align: left;">Top</th> <th colspan="2"></th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anh</td> <td>2703</td> <td>+496</td> <td>Marmaton</td> <td>4437</td> <td>-1238</td> <td>(-9)</td> </tr> <tr> <td>B/Anh</td> <td>2729</td> <td>+470</td> <td>Pawnee</td> <td>4546</td> <td>-1347</td> <td>(-4)</td> </tr> <tr> <td>Hbn</td> <td>4085</td> <td>-886</td> <td>Uck</td> <td></td> <td>4593</td> <td>-1394</td> </tr> <tr> <td>Lns</td> <td>4127</td> <td>-928</td> <td>Ft Scott</td> <td>4598</td> <td>-1399</td> <td>(-4)</td> </tr> <tr> <td>Muncie Creek</td> <td>4265</td> <td>-1066</td> <td>Lck</td> <td></td> <td>4629</td> <td>-1430</td> </tr> <tr> <td>Stk</td> <td>4351</td> <td>-1152</td> <td>John Z</td> <td></td> <td>4672</td> <td>-1473</td> </tr> <tr> <td>BKC</td> <td>4408</td> <td>-1209</td> <td>Msp</td> <td></td> <td>4769</td> <td>-1570</td> </tr> </tbody> </table>	Name			Top			Datum	Anh	2703	+496	Marmaton	4437	-1238	(-9)	B/Anh	2729	+470	Pawnee	4546	-1347	(-4)	Hbn	4085	-886	Uck		4593	-1394	Lns	4127	-928	Ft Scott	4598	-1399	(-4)	Muncie Creek	4265	-1066	Lck		4629	-1430	Stk	4351	-1152	John Z		4672	-1473	BKC	4408	-1209	Msp		4769	-1570
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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
sfc	12-1/4	8-5/8	23	307	Common	170	3% cc, 2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:    Size:    Set At:    Packer At:    Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil    Bbls.    Gas    Mcf    Water    Bbls.    Gas-Oil Ratio    Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO. L.C. 037366

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend, KS

DATE <u>Exp 22, 2011</u>	SEC. <u>22</u>	TWP. <u>10</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00am</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>James</u>	WELL # <u>67 #1</u>	LOCATION <u>Monument 225 2ur 5n 2ur</u>	COUNTRY <u>Thomas</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>5 into</u>							

CONTRACTOR WW Rig # 2

TYPE OF JOB Surface

HOLE SIZE 17 1/4 T.D. 314

CASING SIZE 8 1/2 23# DEPTH 313

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 314

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15.84

PERFS. \_\_\_\_\_

DISPLACEMENT Freshwater

EQUIPMENT \_\_\_\_\_

OWNER Slawson Exploration Co. Inc.

CEMENT AMOUNT ORDERED 170 sac com 39 sac 29 sac

PUMP TRUCK CEMENTER Bob R.

# 398 HELPER Shane C

BULK TRUCK # 344-170 DRIVER Doug K.

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2,762.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
HANDLING	<u>179</u>	@	<u>2.25</u>	<u>402.25</u>
MILEAGE	<u>179 x 22 x .11</u>			<u>433.18</u>
TOTAL				<u>4,011.33</u>

REMARKS:

Pipe on bottom break circulation with cement. Mix 170 sac com 39 sac 29 sac

Displace with 18.98 bbl Freshwater and shut in

Cement did circulate

CHARGE TO: Slawson Exploration CO Inc

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	<u>313</u>			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE <u>44m</u>	<u>44</u>	@	<u>7.00</u>	<u>308.00</u>
MANIFOLD <u>44m</u>	<u>44</u>	@	<u>4.00</u>	<u>176.00</u>
TOTAL				<u>1609.00</u>

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Lonnie Frapp

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 5,620.38

DISCOUNT 20% 1,124.07

4,496.31

IF PAID IN 30 DAYS

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KCC WICHITA

# ALLIED CEMENTING CO., LLC. 036001

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Dakota Ky*

DATE <i>10/1/11</i>	SEC. <i>22</i>	TWP. <i>10</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>1:30 PM</i>	JOB FINISH <i>2:30 PM</i>
LEASE <i>James BF</i> WELL # <i>1</i>		LOCATION <i>Marion 2W 5N 2W</i>		COUNTY <i>Thomas</i>	STATE <i>KS</i>		
OLD OR NEW (Circle one) <i>NEW</i>		50 W INTO					

CONTRACTOR *WW 2*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. *4810*

CASING SIZE *8 5/8* DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL JOINT DEPTHS OF JOINTS

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT AMOUNT ORDERED *220SK, 60/40/40*  
*gel 49.50*

COMMON	<i>132</i>	@	<i>1625</i>	<i>2145.00</i>
POZMIX	<i>88</i>	@	<i>850</i>	<i>248.00</i>
GEL	<i>8</i>	@	<i>2125</i>	<i>170.00</i>
CHLORIDE		@		
ASC		@		
<i>Flo Seal 55/6</i>		@	<i>220</i>	<i>148.50</i>
HANDLING	<i>230SK</i>	@	<i>225</i>	<i>517.50</i>
MILEAGE	<i>RECEIVED</i>			<i>506.00</i>
			TOTAL	<i>4234.00</i>

**EQUIPMENT**

PUMP TRUCK CEMENTER *Alan*

# *422* HELPER *Wayne*

BULK TRUCK

# *347* DRIVER *Chris*

BULK TRUCK

# DRIVER

**REMARKS:**

*25 SK @ 2718*  
*100 SK @ 1695*  
*40 SK @ 365*  
*10 SK @ 40*

*30 SK - R Hole*  
*15 SK - M Hole*

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SERVICE  
KCC WICHITA

DEPTH OF JOB	<i>2718'</i>		
PUMP TRUCK CHARGE	<i>1250</i>		
EXTRA FOOTAGE		@	
MILEAGE <i>20 x 2</i>		@	<i>280.00</i>
MANIFOLD <i>47 vehicle 20 x 2</i>		@	<i>40 160.00</i>
			TOTAL <i>1690.00</i>

CHARGE TO: *Slawson*

STREET

CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

<i>8 5/8 Wood Plug</i>		@	<i>92.00</i>
		@	
		@	
		@	
		@	
			TOTAL <i>92.00</i>

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

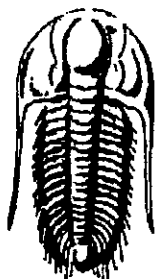
PRINTED NAME *Lorrie Lang*

SIGNATURE *Lorrie Lang*

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Slawson Exploration Co Inc**

204 N Robinson Ste 2300  
Oklahoma City , OK 73102

ATTN: Pat Deenihan

**James BF #1**

**22-10s-34w Thomas,KS**

Start Date: 2011.09.26 @ 17:21:05

End Date: 2011.09.27 @ 01:10:20

Job Ticket #: 44393                      DST #: 1

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**KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Slawson Exploration Co Inc

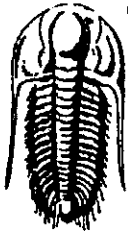
22-10s-34w Thomas,KS

James BF #1

DST # 1

H

2011.09.26



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Slawson Exploration Co Inc

22-10s-34w Thomas,KS

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

James BF #1

Job Ticket: 44393

DST#: 1

ATTN: Pat Deenihan

Test Start: 2011.09.26 @ 17:21:05

**GENERAL INFORMATION:**

Formation: H  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 19:21:05  
Time Test Ended: 01:10:20

Test Type: Conventional Bottom Hole (Initial)  
Tester: Shane McBride  
Unit No: 55

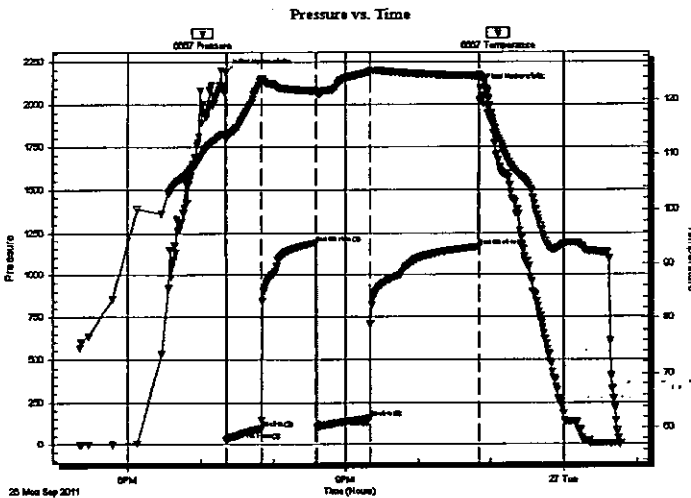
Interval: 4260.00 ft (KB) To 4289.00 ft (KB) (TVD)  
Total Depth: 4289.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3199.00 ft (KB)  
3194.00 ft (CF)  
KB to GR/CF: 5.00 ft

Serial #: 6667 Inside  
Press@RunDepth: 155.32 psig @ 4261.00 ft (KB)  
Start Date: 2011.09.26 End Date: 2011.09.27  
Start Time: 17:21:05 End Time: 00:47:20

Capacity: 8000.00 psig  
Last Calib.: 2011.09.27  
Time On Btrr: 2011.09.26 @ 19:20:35  
Time Off Btrr: 2011.09.26 @ 22:51:20

TEST COMMENT: 5" in blow  
No return  
5 1/2" in blow  
No return



**PRESSURE SUMMARY**

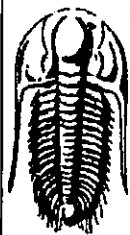
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.67	113.77	Initial Hydro-static
1	23.90	112.66	Open To Flow (1)
29	94.10	123.68	Shut-In(1)
75	1187.17	121.66	End Shut-In(1)
75	101.15	121.27	Open To Flow (2)
120	155.32	125.07	Shut-In(2)
210	1162.04	124.33	End Shut-In(2)
211	2097.47	124.32	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
180.00	water 100%w	1.40
90.00	m c w 20% m 80% w	1.26

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Slawson Exploration Co Inc

**22-10s-34w Thomas,KS**

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

**James BF #1**

Job Ticket: 44393

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2011.09.26 @ 17:21:05

**Tool Information**

Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 58.60 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4260.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.00 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			4234.00	
Shut In Tool	5.00			4239.00	
Hydraulic tool	5.00			4244.00	
Jars	5.00			4249.00	
Safety Joint	2.00			4251.00	
Packer	5.00			4256.00	27.00 Bottom Of Top Packer
Packer	4.00			4260.00	
Stubb	1.00			4261.00	
Recorder	0.00	6771	Outside	4261.00	
Recorder	0.00	6667	Inside	4261.00	
Perforations	23.00			4284.00	
Bullnose	5.00			4289.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slawson Exploration Co Inc

**22-10s-34w Thomas,KS**

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

**James BF #1**

Job Ticket: 44393

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2011.09.26 @ 17:21:05

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48500 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.51 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 2.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
180.00	water 100%w	1.395
90.00	m c w 20% m 80%w	1.262

Total Length: 270.00 ft      Total Volume: 2.657 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

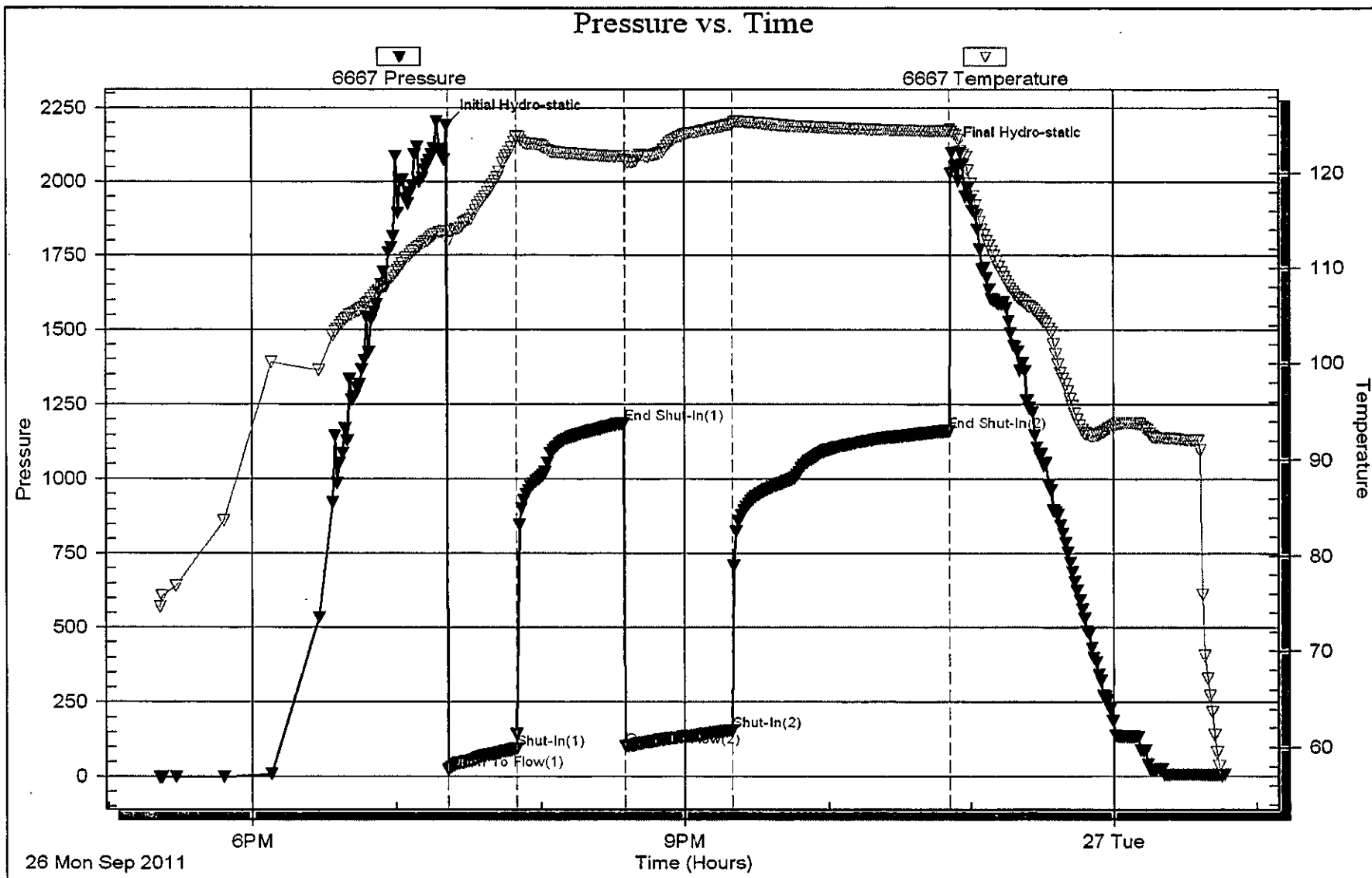
Serial #:

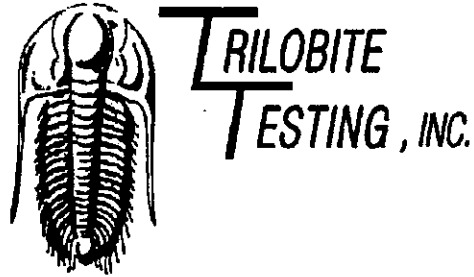
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .158 @ 65\*f = 48,500 chlor







## DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co Inc**

204 N Robinson Ste 2300  
Oklahoma City , OK 73102

ATTN: Pat Deenihan

**James BF #1**

**22-10s-34w Thomas,KS**

Start Date: 2011.09.27 @ 10:56:02

End Date: 2011.09.27 @ 16:10:02

Job Ticket #: 44394                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.10 @ 11:34:21

Slawson Exploration Co Inc

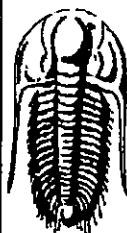
22-10s-34w Thomas,KS

James BF #1

DST # 2

J

2011.09.27



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Slawson Exploration Co Inc

22-10s-34w Thomas,KS

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

**James BF #1**

Job Ticket: 44394

DST#: 2

ATTN: Pat Deenihan

Test Start: 2011.09.27 @ 10:56:02

## GENERAL INFORMATION:

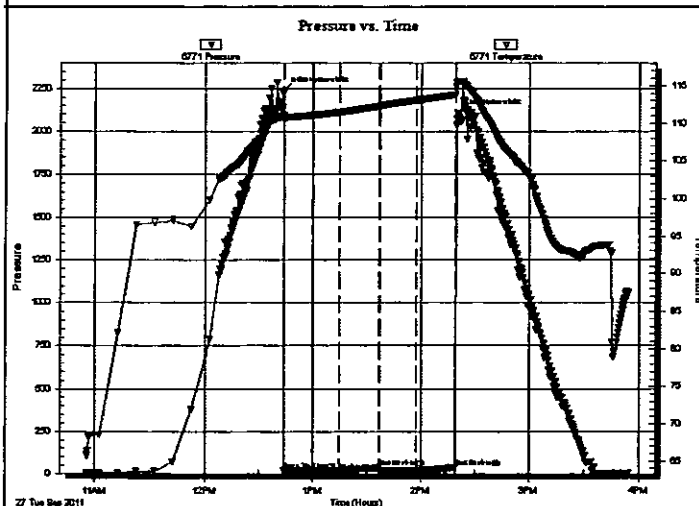
Formation: J  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 12:44:02  
 Time Test Ended: 16:10:02  
 Interval: 4318.00 ft (KB) To 4340.00 ft (KB) (TVD)  
 Total Depth: 4340.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3199.00 ft (KB)  
 3194.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6771

Outside

Press@RunDepth: 19.77 psig @ 4319.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.09.27 End Date: 2011.09.27 Last Calib.: 2011.09.27  
 Start Time: 10:56:02 End Time: 15:54:02 Time On Btm: 2011.09.27 @ 12:43:47  
 Time Off Btm: 2011.09.27 @ 14:20:17

TEST COMMENT: Weak blow died in 5 min  
 No return  
 No blow  
 No return



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.04	111.04	Initial Hydro-static
1	21.06	110.55	Open To Flow (1)
31	17.72	111.49	Shut-In(1)
54	36.35	112.30	End Shut-In(1)
54	18.81	112.31	Open To Flow (2)
74	19.77	113.11	Shut-In(2)
96	38.65	113.85	End Shut-In(2)
97	2107.59	115.49	Final Hydro-static

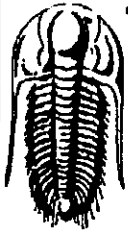
## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% mw / oil spots	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Slawson Exploration Co Inc

22-10s-34w Thomas,KS

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

James BF #1

Job Ticket: 44394

DST#: 2

ATTN: Pat Deenihan

Test Start: 2011.09.27 @ 10:56:02

### Tool Information

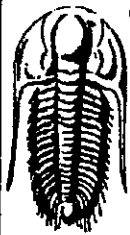
Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4318.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 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			4292.00	
Shut In Tool	5.00			4297.00	
Hydraulic tool	5.00			4302.00	
Jars	5.00			4307.00	
Safety Joint	2.00			4309.00	
Packer	5.00			4314.00	27.00 Bottom Of Top Packer
Packer	4.00			4318.00	
Stubb	1.00			4319.00	
Recorder	0.00	6771	Outside	4319.00	
Recorder	0.00	6667	Inside	4319.00	
Perforations	16.00			4335.00	
Bullnose	5.00			4340.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 49.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slawson Exploration Co Inc  
204 N Robinson Ste 2300  
Oklahoma City, OK 73102  
ATTN: Pat Deenihan

**22-10s-34w Thomas,KS**  
**James BF #1**  
Job Ticket: 44394      **DST#: 2**  
Test Start: 2011.09.27 @ 10:56:02

**Mud and Cushion Information**

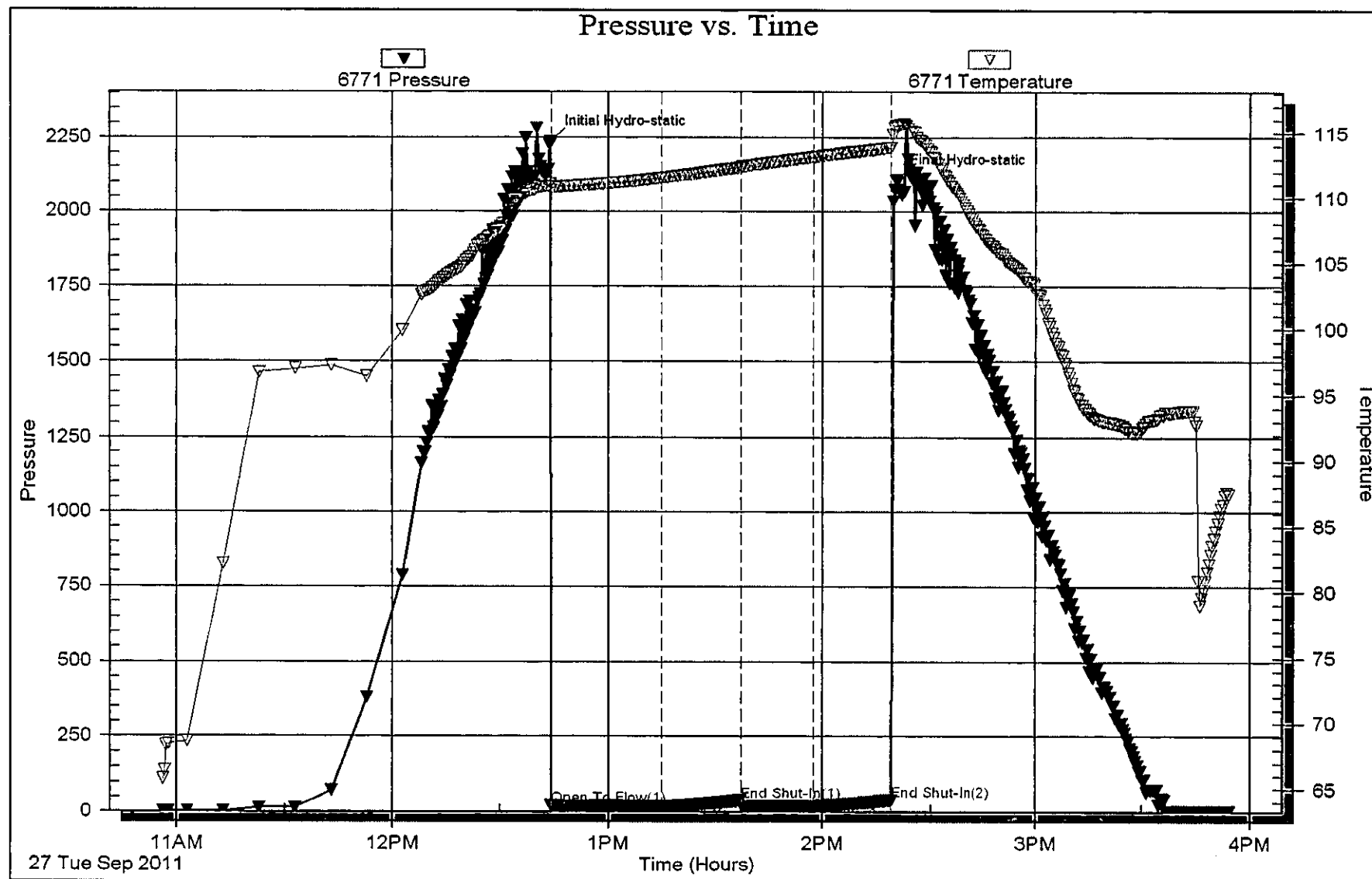
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.33 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 2.00 inches			

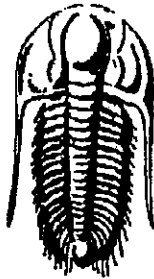
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% mw/ oil spots	0.010

Total Length: 2.00 ft      Total Volume: 0.010 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: **Slawson Exploration Co Inc**

204 N Robinson Ste 2300  
Oklahoma City , OK 73102

ATTN: Pat Deenihan

**James BF #1**

**22-10s-34w Thomas,KS**

Start Date: 2011.09.28 @ 17:30:31

End Date: 2011.09.29 @ 01:05:01

Job Ticket #: 44395                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.10 @ 11:34:40

Slawson Exploration Co Inc

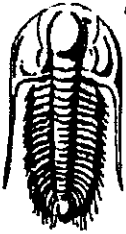
22-10s-34w Thomas,KS

James BF #1

DST # 3

Pawnee

2011.09.28



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Slawson Exploration Co Inc

22-10s-34w Thomas,KS

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

James BF #1

Job Ticket: 44395

DST#: 3

ATTN: Pat Deenihan

Test Start: 2011.09.28 @ 17:30:31

## GENERAL INFORMATION:

Formation: Pawnee

Deviated: No Whipstock 0.00 ft (KB)

Time Tool Opened: 19:37:16

Time Test Ended: 01:05:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4534.00 ft (KB) To 4592.00 ft (KB) (TVD)

Total Depth: 4592.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3199.00 ft (KB)

3194.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667 Inside

Press@RunDepth: 93.67 psig @ 4535.00 ft (KB)

Start Date: 2011.09.28

End Date: 2011.09.29

Start Time: 17:30:31

End Time: 00:51:01

Capacity: 8000.00 psig

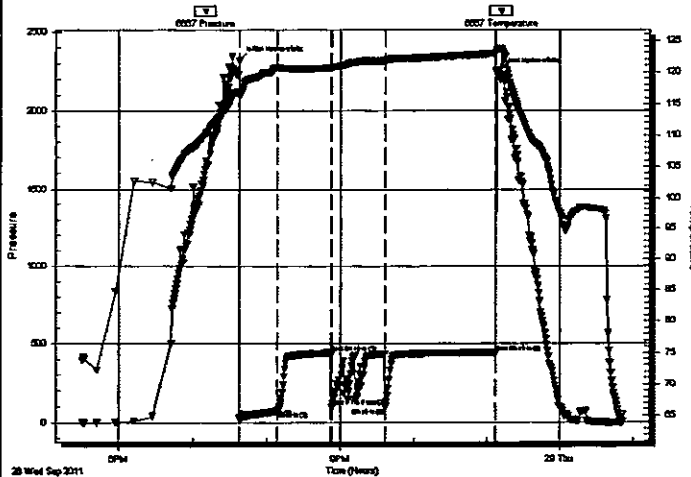
Last Calib.: 2011.09.29

Time On Btm: 2011.09.28 @ 19:37:01

Time Off Btm: 2011.09.28 @ 23:07:31

TEST COMMENT: 2 1/4" in blow  
No return  
Surface blow in 4 min built to 1/4" in  
No return

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.13	116.90	Initial Hydro-static
1	26.19	116.36	Open To Flow (1)
32	71.45	120.76	Shut-In(1)
76	442.79	120.69	End Shut-In(1)
77	99.03	120.65	Open To Flow (2)
120	93.67	121.58	Shut-In(2)
210	442.88	122.94	End Shut-In(2)
211	2244.33	123.42	Final Hydro-static

## Recovery

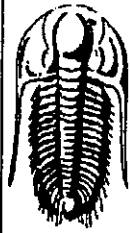
Length (ft)	Description	Volume (bbl)
130.00	s w c m 25%w 75%m	0.69

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Slaw son Exploration Co Inc

**22-10s-34w Thomas,KS**

204 N Robinson Ste 2300  
Oklahoma City , OK 73102

**James BF #1**

Job Ticket: 44395

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2011.09.28 @ 17:30:31

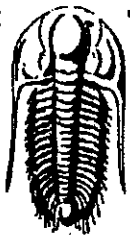
**Tool Information**

Drill Pipe:	Length: 4418.00 ft	Diameter: 3.80 inches	Volume: 61.97 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4534.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	80.00 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			4513.00	
Shut In Tool	5.00			4518.00	
Hydraulic tool	5.00			4523.00	
Safety Joint	2.00			4525.00	
Packer	5.00			4530.00	22.00 Bottom Of Top Packer
Packer	4.00			4534.00	
Stubb	1.00			4535.00	
Recorder	0.00	6771	Outside	4535.00	
Recorder	0.00	6667	Inside	4535.00	
Perforations	19.00			4554.00	
Change Over Sub	1.00			4555.00	
Drill Pipe	31.00			4586.00	
Change Over Sub	1.00			4587.00	
Bullnose	5.00			4592.00	58.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slawson Exploration Co Inc  
204 N Robinson Ste 2300  
Oklahoma City, OK 73102  
ATTN: Pat Deenihan

22-10s-34w Thomas,KS  
**James BF #1**  
Job Ticket: 44395      **DST#: 3**  
Test Start: 2011.09.28 @ 17:30:31

**Mud and Cushion Information**

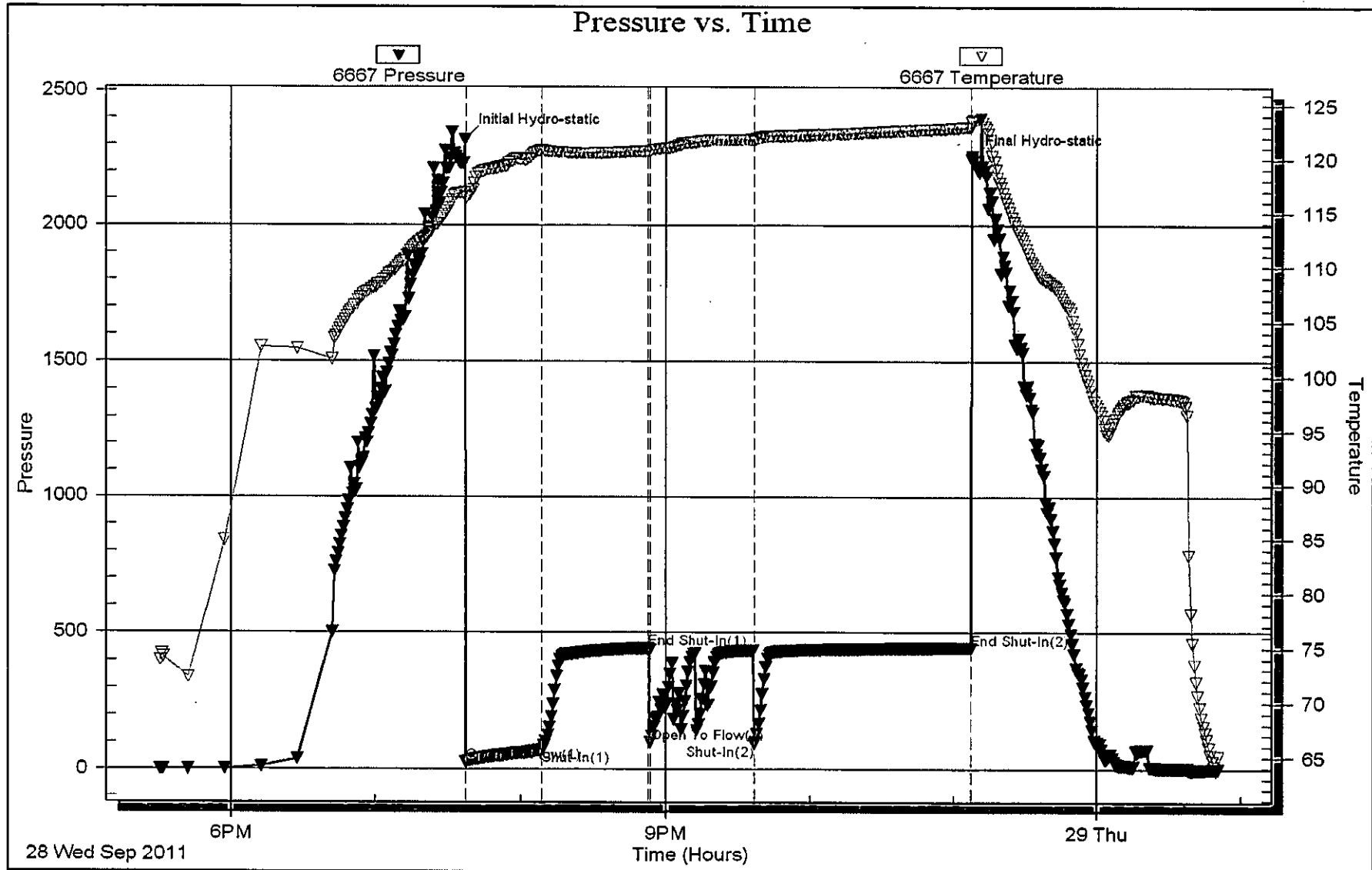
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	36500 ppm
Viscosity: 61.00 sec/qt			
Water Loss: 11.13 in <sup>3</sup>	Cushion Volume:		
Resistivity: 0.00 ohm.m	Gas Cushion Type:		
Salinity: 4100.00 ppm	Gas Cushion Pressure:		
Filter Cake: 2.00 inches			

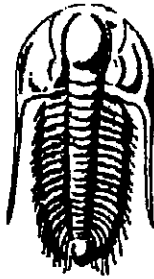
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
130.00	s w c m 25%w 75%m	0.694

Total Length: 130.00 ft      Total Volume: 0.694 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw .218 @ 61'f = 36,500 chlor





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co Inc**

204 N Robinson Ste 2300  
Oklahoma City , OK 73102

ATTN: Pat Deenihan

**James BF #1**

**22-10s-34w Thomas,KS**

Start Date: 2011.09.29 @ 16:40:37

End Date: 2011.09.30 @ 00:25:07

Job Ticket #: 44396                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.10 @ 11:34:58

Slawson Exploration Co Inc

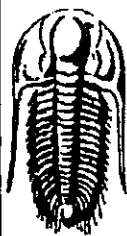
22-10s-34w Thomas,KS

James BF #1

DST # 4

Johnson

2011.09.29



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Slawson Exploration Co Inc

22-10s-34w Thomas,KS

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

James BF #1

Job Ticket: 44396

DST#: 4

ATTN: Pat Deenihan

Test Start: 2011.09.29 @ 16:40:37

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No Whipstock** 0.00 ft (KB)

Time Tool Opened: 18:46:07

Time Test Ended: 00:25:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: **4648.00 ft (KB) To 4730.00 ft (KB) (TVD)**

Total Depth: 4730.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3199.00 ft (KB)

3194.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6667**

Inside

Press@RunDepth: 86.00 psig @ 4649.00 ft (KB)

Start Date: 2011.09.29

End Date:

2011.09.30

Start Time: 16:40:37

End Time:

00:10:07

Capacity: 8000.00 psig

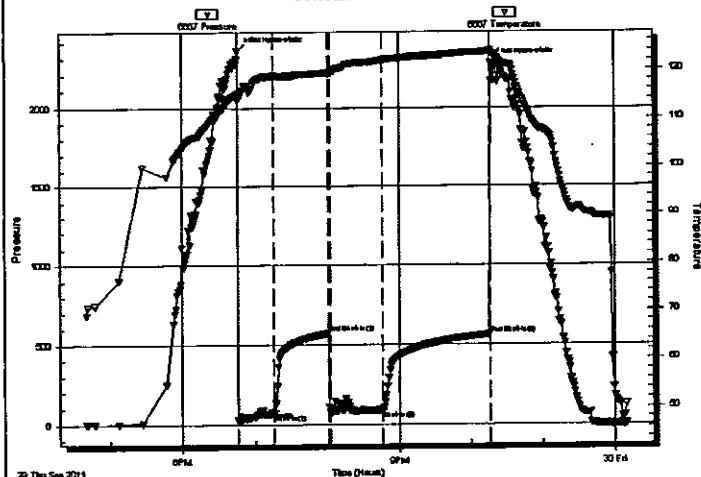
Last Calib.: 2011.09.30

Time On Btmr 2011.09.29 @ 18:45:52

Time Off Btmr 2011.09.29 @ 22:16:22

TEST COMMENT: 1 1/4" in blow  
No return  
3/4" in blow  
No return

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2352.44	114.99	Initial Hydro-static
1	27.55	113.68	Open To Flow (1)
30	66.81	118.65	Shut-In(1)
75	571.97	119.23	End Shut-In(1)
76	75.72	119.12	Open To Flow (2)
121	86.00	121.80	Shut-In(2)
210	564.38	123.54	End Shut-In(2)
211	2271.74	123.49	Final Hydro-static

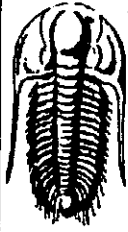
### Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud 100% m w/oil scum	0.97
0.00	show of free oil on top 2" in.	0.00

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Slawson Exploration Co Inc

**22-10s-34w Thomas,KS**

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

**James BF #1**

Job Ticket: 44396

**DST#: 4**

ATTN: Pat Deenihan

Test Start: 2011.09.29 @ 16:40:37

**Tool Information**

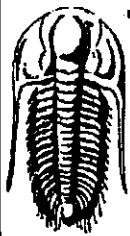
Drill Pipe:	Length: 4513.00 ft	Diameter: 3.80 inches	Volume: 63.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4648.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	104.00 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			4627.00	
Shut In Tool	5.00			4632.00	
Hydraulic tool	5.00			4637.00	
Safety Joint	2.00			4639.00	
Packer	5.00			4644.00	22.00 Bottom Of Top Packer
Packer	4.00			4648.00	
Stubb	1.00			4649.00	
Recorder	0.00	6771	Outside	4649.00	
Recorder	0.00	6667	Inside	4649.00	
Perforations	11.00			4660.00	
Change Over Sub	1.00			4661.00	
Drill Pipe	63.00			4724.00	
Change Over Sub	1.00			4725.00	
Bullnose	5.00			4730.00	82.00 Bottom Packers & Anchor

**Total Tool Length: 104.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slawson Exploration Co Inc

**22-10s-34w Thomas,KS**

204 N Robinson Ste 2300  
Oklahoma City, OK 73102

**James BF #1**

Job Ticket: 44396

**DST#: 4**

ATTN: Pat Deenihan

Test Start: 2011.09.29 @ 16:40:37

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 2.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
150.00	mud 100% m w/oil scum	0.975
0.00	show of free oil on top 2" in.	0.000

Total Length: 150.00 ft

Total Volume: 0.975 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

