

5/29/14

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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: Plains Marketing

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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 #: \_\_\_\_\_

4/10/12	4/17/12	5/3/12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 193-20845-00-00  
Spot Description: \_\_\_\_\_  
NW SE SW SE Sec. 23 Twp. 10 S. R. 34  East  West  
335 Feet from  North /  South Line of Section  
1,760 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Thomas  
Lease Name: JAMES AY Well #: 2  
Field Name: Wildcat  
Producing Formation: Johnson, Myrick Station  
Elevation: Ground: 3172 Kelly Bushing: \_\_\_\_\_  
Total Depth: 4830 Plug Back Total Depth: 4803  
Amount of Surface Pipe Set and Cemented at: 323 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2703' 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: 8000 ppm Fluid volume: 5000 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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MAY 29 2014 JUN 28 2012  
KCC 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: \_\_\_\_\_  
Title: VP-Operations Date: 6/26/12

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 5/29/12 - 5/29/14  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: DB Date: 8/3/12

Operator Name: Slawson Exploration Co., Inc. Lease Name: JAMES AY Well #: 2  
 Sec. 23 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:	<input checked="" type="checkbox"/> Log Name Anh 2678 +498 B/Anh 2705 +471) <input type="checkbox"/> Sample Hbn 4063 -887 Lns 4102 -926 Datum Muncie Creek 4249 -1073 Stk 4333 -1157 BKC 4392 -1216 Marmaton 4419 -1243 Pawnee 4524 -1348 Myrick Station 4559 -1383 Uck 4572 -1396 Ft Scott 4578 -1402 Lck 4606 -1430 John Z 4649 -1473 Msp 4726 -1550
--	--

CASING RECORD <input type="checkbox"/> New <input checked="" 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	330	Common	205	3% cc, 2% gel
Prod	7-7/8	4-1/2	11.6	4829	ASC	210	10% Salt/5#Gilsonte, 2% gel
DV tool				2703	60/40 Poz	620	

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	4651-54, 4660-68, 4684-88	750 gal 15% HCl	
4	4526-36, 4542-47, 4560-66	750 gal 15% HCl	
		<b>CONFIDENTIAL</b> <b>MAY 29 2014</b> <b>KCC</b>	<b>RECEIVED</b> <b>JUN 28 2012</b> <b>KCC WICHITA</b>

TUBING RECORD: Size: <u>2-3/8</u> Set At: <u>4769</u> Packer At: <u>NA</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---

Date of First, Resumed Production, SWD or ENHR. <u>5-2-12</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u> Gas Mcf <u>0</u> Water Bbls. <u>9</u> Gas-Oil Ratio _____ Gravity <u>35</u>

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4651-88</u> <u>4526-66</u>
--	--	--

# ALLIED CEMENTING CO., LLC. 035274

Federal Tax I.D.# 20-5975804

ATTN: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

4-18-12 Ockley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	ADDITION TOP BOTTOM TOP	JOB START	JOB FINISH
4-12-12	23	10	34				5:30 AM	11:29 AM
CONTRACTOR		WELL #		LOCATION		COUNTY	STATE	
James Ay		2		monument 2W 4N		THOMAS	KS	
DR (NEW) (Circle one)				1 W N into				

TRACTOR with 4/4 OWNER same

TYPE OF JOB Production (2 stage)

PIPE SIZE 7 7/8 TD. 4830

CASING SIZE 4 1/2 DEPTH 4830.64

PIPE SIZE DEPTH

WELL PIPE DEPTH

COLL. DK DEPTH 202

ES. MAX MINIMUM

AS. LINE SHOE JOINT 20.11

MENT LEFT IN CSG. 20.11

RFS. Bottom

DISPLACEMENT 32.48 units 41.88

4/4 EQUIPMENT

CEMENT

AMOUNT ORDERED 650 sks Lite 1/2" Flo-seal

20 sks ASC WPR self 5" Gilsonite

20 gal 500 gal WPR-2

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC 210 sks @ 19.00 3990.00

Lite 650 sks @ 14.50 9425.00

Flo-seal 325 # @ 2.70 872.50

Gilsonite 2050 # @ 0.34 707.00

WPR-2 500 gal @ 1.27 635.00

HANDLING 100 @ 1.27 127.00

MILEAGE 41.533 miles x 2.25 93.45

TOTAL 20111.90

MP TRUCK CEMENTER Andrew

1/23-281 HELPER Jerry

JLK TRUCK

394 DRIVER Brandon

JLK TRUCK

323 DRIVER Billy

REMARKS:

400 500 gal WPR-2 mix 20 sks ASC wash pump

Line clean. Displace plug with water and mud

200 # LIFT pressure plug did not land open DV

at 600 # plug rot hole 30 sks, mix 630

ks Lite down 4th casing, wash pump

and line clean Release plug and Displace

200 # LIFT 1700 # Land plug TOOL

closed, Cement did circulate

Thank you

SERVICE

DEPTH OF JOB 4830.64

PUMP TRUCK CHARGE 2405.00

EXTRA FOOTAGE @

MILEAGE 20 miles @ 7.00 140.00

MANIFOLD @ 200.00

Light vehicle @ 4.00 80.00

TOTAL 2825.00

CHARGE TO: Slawson Exploration

FREE

CITY OKC STATE OK ZIP

PLUG & FLOAT EQUIPMENT

4/4

1 Guide shoe @ 192.00

1 Air float collar @ 349.00

1 DV TOOL @ 3182.00

2 Basket @ 270.00 540.00

14 Centralizers @ 48.00 672.00

TOTAL 4940.00

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 Rodney Gonzalez

SIGNATURE Rodney Gonzalez

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Bid

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3504

# ALLIED CEMENTING CO., LLC. 035374

Federal Tax ID # 20-5975604

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

SERVICE POINT:

*Rolling K*

DATE 4/10/12	SEC. 23	TWR 10	RANOB 34	CALLED OUT	ON LOCATION	JOB START 6:30	JOB FINISH 2:00
LEASE TIME 14	WELL # 2	LOCATION	Monmouth 2W 4 N 1W			COUNTRY	STATE
OLD OR NEW (Circle one)		N/A					

CONTRACTOR <i>NW 4</i>	OWNER <i>Same</i>
TYPE OF JOB <i>Surface</i>	
HOLE SIZE <i>12 1/4</i>	T.D. <i>330</i>
CASING SIZE <i>8 1/2</i>	DEPTH <i>330'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	<i>0.0655</i>
EQUIPMENT	
PUMP TRUCK # <i>222</i>	CEMENTER <i>Alan</i>
	HELPER <i>Wayne Casse</i>
BULK TRUCK # <i>293</i>	DRIVER <i>Beardine</i>
	DRIVER
HANDLING	<i>22.67</i>
MILEAGE	<i>475.48</i>
TOTAL <i>4,764.64</i>	

REMARKS:  
*Analysis conducted, mix cement, surface cement*

*Cement with Circulate*  
*J. Hank*  
*Alan, Wayne Casse, Brandon*

CHARGE TO: *Slawson Exp*  
STREET  
CITY STATE ZIP

SERVICE	
DEPTH OF JOB	<i>330'</i>
PUMP TRUCK CHARGE	<i>112.00</i>
EXTRA FOOTAGE	<i>30 @ 1.95 = 58.50</i>
MILEAGE	<i>2.1 @ 7.25 = 152.25</i>
MANIFOLD	<i>4 @ 4.00 = 16.00</i>
TOTAL <i>132.75</i>	

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.

SALES TAX (If Any)  
TOTAL CHARGES  
DISCOUNT IF PAID IN 30 DAYS

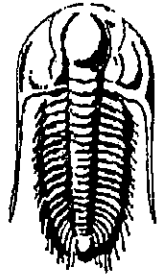
PRINTED NAME: *MARK HANSPARTZ*  
SIGNATURE: *Mark Hanspartz*

*Bid*

CONFIDENTIAL  
MAY 7 9 2014

KCC

RECEIVED  
JUN 28 2012  
KCC WICHITA



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co, Inc**

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

ATTN: Pat Deenihan

**James AY #2**

**23-10s-34w Thomas,KS**

Start Date: 2012.04.14 @ 06:17:00

End Date: 2012.04.14 @ 13:22:45

Job Ticket #: 46684                      DST #: 1

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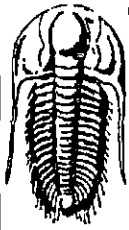
**JUN 28 2012**

**KCC WICHITA**

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.19 @ 16:10:40

Slawson Exploration Co, Inc  
23-10s-34w Thomas,KS  
James AY #2  
DST # 1  
LKC "H-J"  
2012.04.14



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Slawson Exploration Co, Inc  
 204 N Robinson Ave STE2300  
 Oklahoma City, OK 73102  
 ATTN: Pat Deenihan

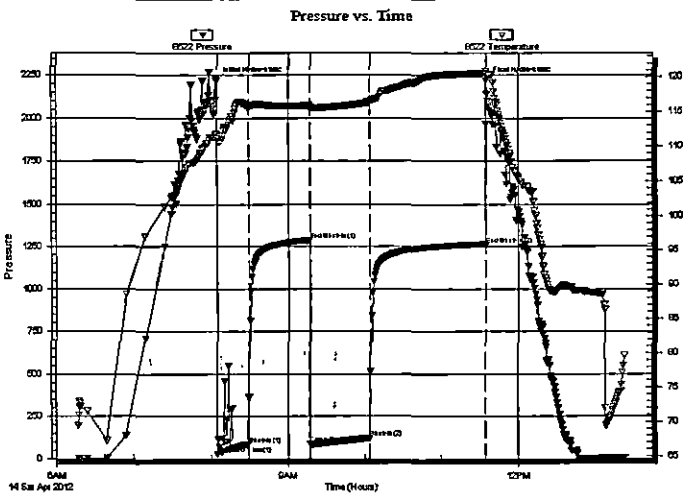
23-10s-34w Thomas,KS  
**James AY #2**  
 Job Ticket: 46684 DST#: 1  
 Test Start: 2012.04.14 @ 06:17:00

**GENERAL INFORMATION:**

Formation: LKC "H-J"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:04:45  
 Time Test Ended: 13:22:45  
 Interval: 4234.00 ft (KB) To 4330.00 ft (KB) (TVD)  
 Total Depth: 4330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 53  
 Reference Elevations: 3176.00 ft (KB)  
 3171.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 8522 Inside  
 Press@RunDepth: 124.60 psig @ 4235.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.04.14 End Date: 2012.04.14 Last Calib.: 2012.04.14  
 Start Time: 06:17:05 End Time: 13:22:44 Time On Btm: 2012.04.14 @ 08:04:15  
 Time Off Btm: 2012.04.14 @ 11:35:00

TEST COMMENT: IF: 2 1/2" blow.  
 IS: No return.  
 FF: 1" blow.  
 FS: No return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.71	111.76	Initial Hydro-static
1	28.60	110.85	Open To Flow (1)
25	84.04	115.61	Shut-In (1)
73	1290.00	115.93	End Shut-In(1)
73	87.26	115.30	Open To Flow (2)
120	124.60	116.39	Shut-In(2)
211	1260.49	120.53	End Shut-In(2)
211	2216.58	120.77	Final Hydro-static

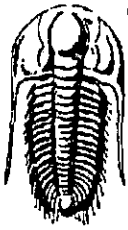
**Recovery**

Length (ft)	Description	Volume (bbl)
215.00	mcw 50m 50w (oil spots)	1.52

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Slawson Exploration Co, Inc  
204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

23-10s-34w Thomas,KS

James AY #2

Job Ticket: 46684

DST#: 1

ATTN: Pat Deenihan

Test Start: 2012.04.14 @ 06:17:00

### Tool Information

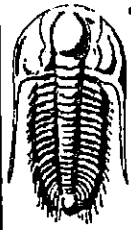
Drill Pipe:	Length: 4108.00 ft	Diameter: 3.20 inches	Volume: 40.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 41.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4234.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	123.00 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			4208.00	
Shut In Tool	5.00			4213.00	
Hydraulic tool	5.00			4218.00	
Jars	5.00			4223.00	
Safety Joint	2.00			4225.00	
Packer	5.00			4230.00	27.00 Bottom Of Top Packer
Packer	4.00			4234.00	
Stubb	1.00			4235.00	
Recorder	0.00	8678	Outside	4235.00	
Recorder	0.00	8522	Inside	4235.00	
Perforations	27.00			4262.00	
Change Over Sub	1.00			4263.00	
Drill Pipe	63.00			4326.00	
Change Over Sub	1.00			4327.00	
Bullnose	3.00			4330.00	96.00 Bottom Packers & Anchor

**Total Tool Length: 123.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Slawson Exploration Co, Inc  
204 N Robinson Ave STE2300  
Oklahoma City, OK 73102  
ATTN: Pat Deenihan

**23-10s-34w Thomas,KS**  
**James AY #2**  
Job Ticket: 46684      DST#: 1  
Test Start: 2012.04.14 @ 06:17:00

## 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:	66000 ppm
Viscosity:	70.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5200.00 ppm				
Filter Cake:	1.00 inches				

## Recovery Information

Recovery Table

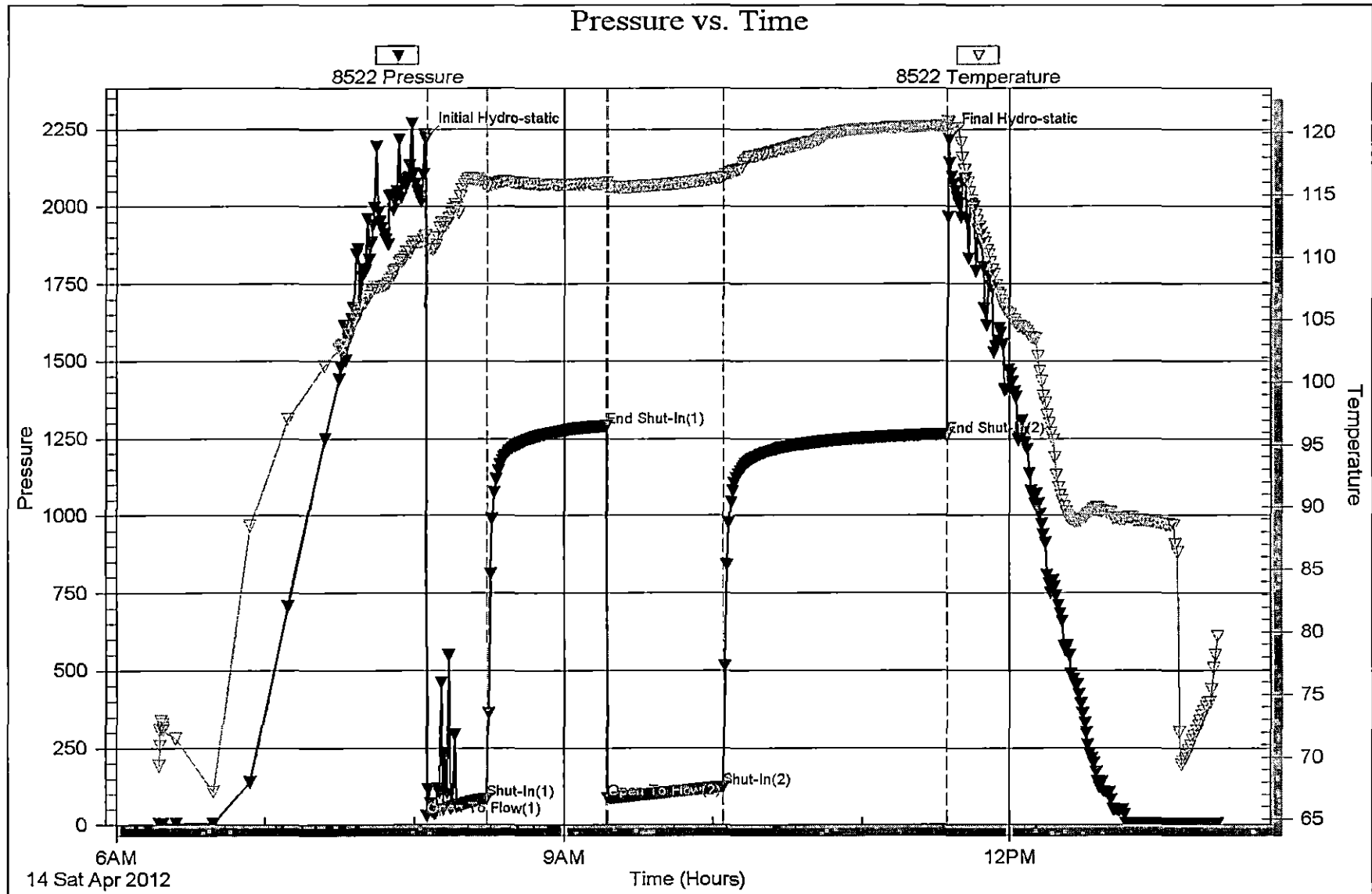
Length ft	Description	Volume bbl
215.00	mcw 50m 50w (oil spots)	1.515

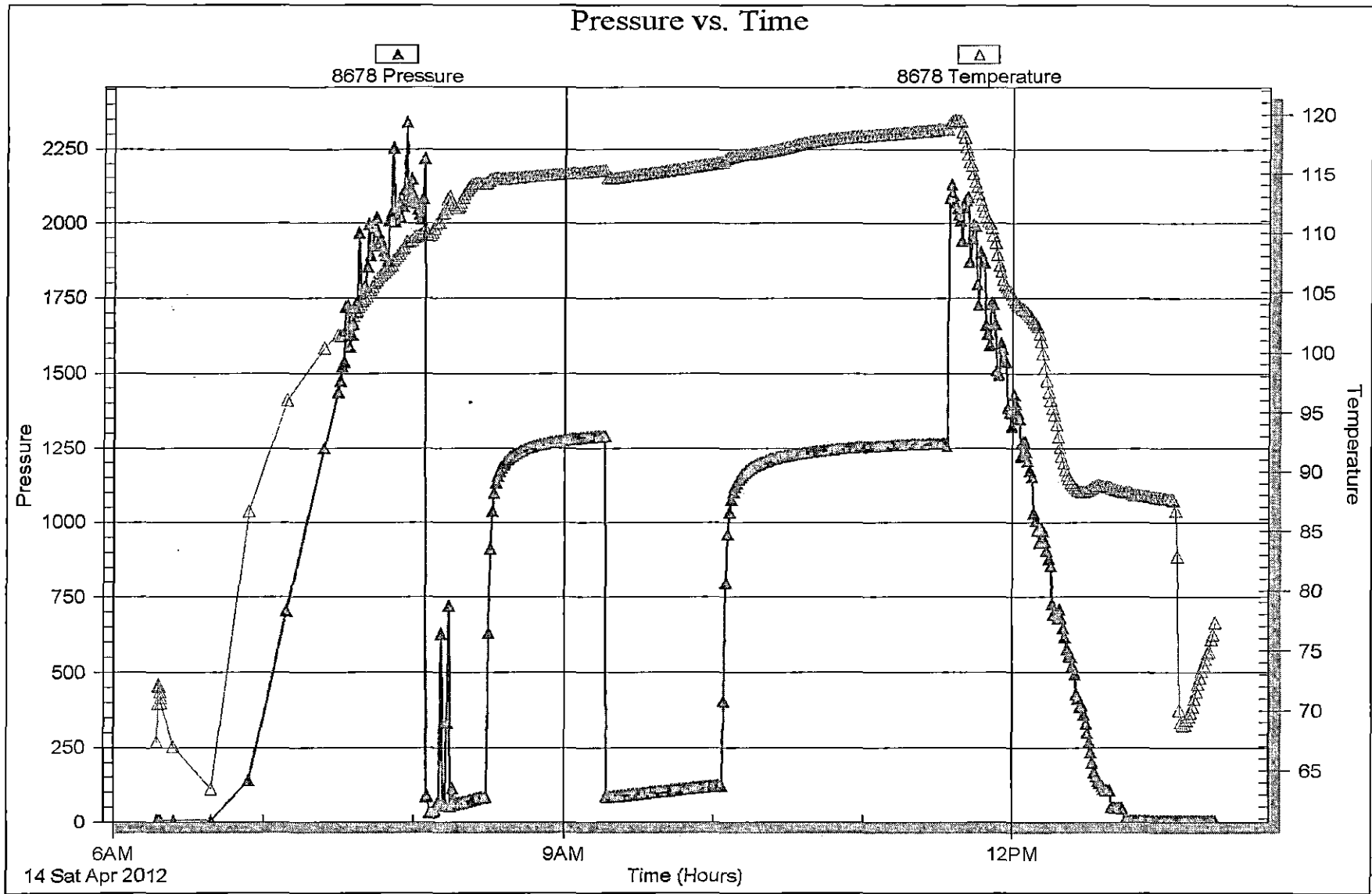
Total Length: 215.00ft      Total Volume: 1.515 bbl

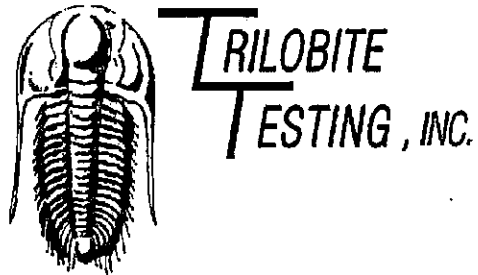
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: rw is .145@ 65F = 66,000ppm







## DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co, Inc**

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

ATTN: Pat Deenihan

**James AY #2**

**23-10s-34w Thomas,KS**

Start Date: 2012.04.15 @ 13:21:00

End Date: 2012.04.15 @ 20:56:15

Job Ticket #: 46685                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.19 @ 16:09:58

Slawson Exploration Co, Inc

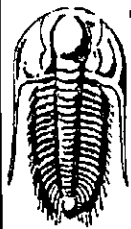
23-10s-34w Thomas,KS

James AY #2

DST # 2

Pawnee-Myric Station

2012.04.15



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Slawson Exploration Co, Inc

23-10s-34w Thomas,KS

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

James AY #2

Job Ticket: 46685

DST#: 2

ATTN: Pat Deenihan

Test Start: 2012.04.15 @ 13:21:00

### GENERAL INFORMATION:

Formation: **Pawnee-Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:24:30

Time Test Ended: 20:56:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: 4515.00 ft (KB) To 4578.00 ft (KB) (TVD)

Reference Elevations: 3176.00 ft (KB)

Total Depth: 4578.00 ft (KB) (TVD)

3171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522

Inside

Press@RunDepth: 110.72 psig @ 4516.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.15

End Date:

2012.04.15

Last Calib.: 2012.04.15

Start Time: 13:21:05

End Time:

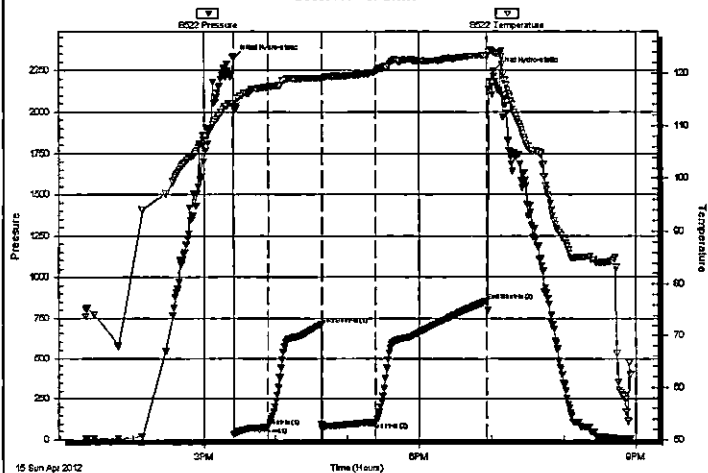
20:56:14

Time On Btm: 2012.04.15 @ 15:24:15

Time Off Btm: 2012.04.15 @ 19:01:15

TEST COMMENT: IF: BOB @ 27 min.  
IS: No return.  
FF: BOB @ 25 min.  
FSI: No return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.79	114.24	Initial Hydro-static
1	27.32	113.31	Open To Flow (1)
30	81.45	117.30	Shut-In(1)
74	711.56	119.05	End Shut-In(1)
75	70.29	118.83	Open To Flow (2)
120	110.72	120.15	Shut-In(2)
212	855.14	123.37	End Shut-In(2)
217	2244.11	124.05	Final Hydro-static

### Recovery

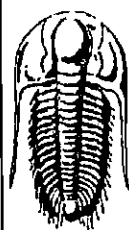
Length (ft)	Description	Volume (bbl)
180.00	gocm 45g 15o 40m	1.17
35.00	ocm 10o 90m	0.35
0.00	330' GIP	0.00

\* 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

23-10s-34w Thomas,KS

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

James AY #2

Job Ticket: 46685

DST#: 2

ATTN: Pat Deenihan

Test Start: 2012.04.15 @ 13:21:00

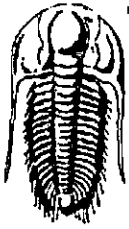
### Tool Information

Drill Pipe:	Length: 4390.00 ft	Diameter: 3.20 inches	Volume: 43.67 bbl	Tool Weight: 2500.00 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: 63000.00 lb
			<u>Total Volume: 44.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4515.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	90.00 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			4489.00	
Shut In Tool	5.00			4494.00	
Hydraulic tool	5.00			4499.00	
Jars	5.00			4504.00	
Safety Joint	2.00			4506.00	
Packer	5.00			4511.00	27.00 Bottom Of Top Packer
Packer	4.00			4515.00	
Stubb	1.00			4516.00	
Recorder	0.00	8678	Outside	4516.00	
Recorder	0.00	8522	Inside	4516.00	
Perforations	25.00			4541.00	
Change Over Sub	1.00			4542.00	
Drill Pipe	32.00			4574.00	
Change Over Sub	1.00			4575.00	
Bullnose	3.00			4578.00	63.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slawson Exploration Co, Inc

23-10s-34w Thomas,KS

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

**James AY #2**

Job Ticket: 46685

DST#: 2

ATTN: Pat Deenihan

Test Start: 2012.04.15 @ 13:21:00

**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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
180.00	gocm 45g 15o 40m	1.167
35.00	ocm 10o 90m	0.348
0.00	330' GIP	0.000

Total Length: 215.00 ft      Total Volume: 1.515 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

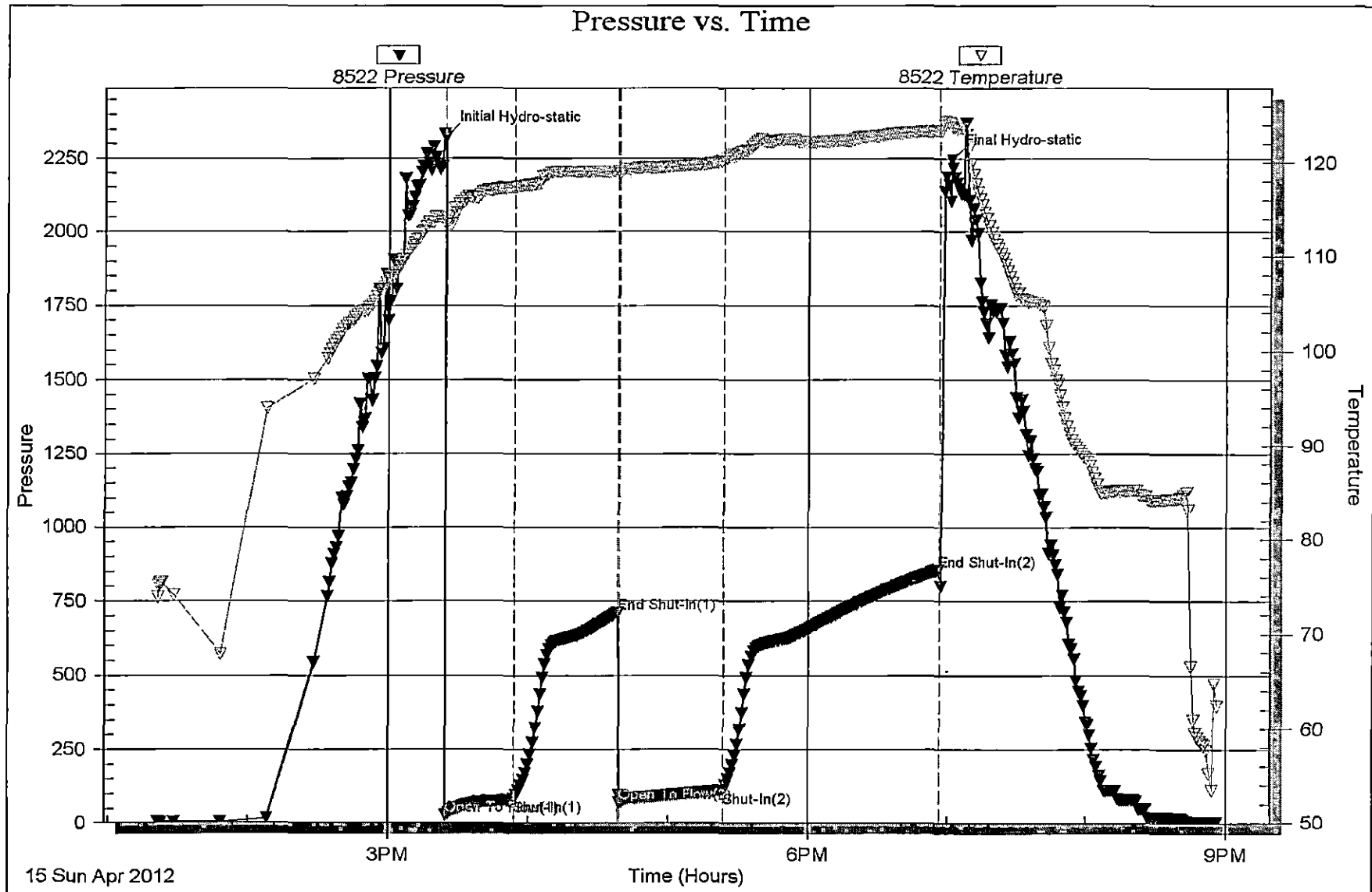
Serial #:

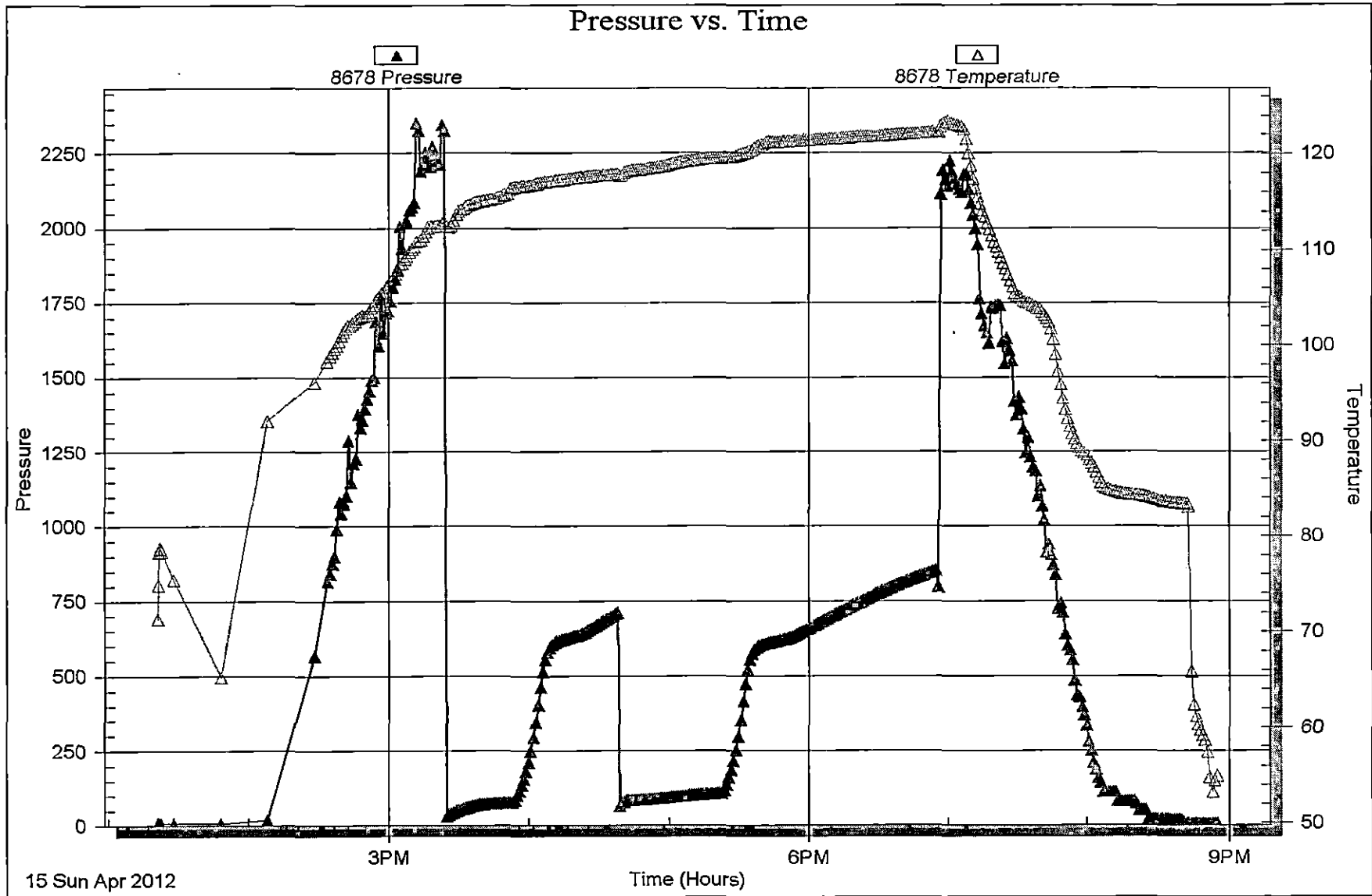
Laboratory Name:

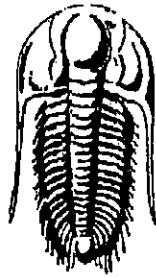
Laboratory Location:

Recovery Comments:









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co, Inc**

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

ATTN: Pat Deenihan

**James AY #2**

**23-10s-34w Thomas,KS**

Start Date: 2012.04.16 @ 10:38:00

End Date: 2012.04.16 @ 17:46:30

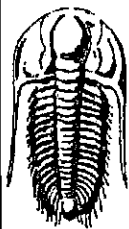
Job Ticket #: 46686                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.19 @ 16:08:46



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Slawson Exploration Co, Inc

**23-10s-34w Thomas,KS**

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

**James AY #2**

Job Ticket: 46686

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2012.04.16 @ 10:38:00

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:32:00

Time Test Ended: 17:46:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: **4625.00 ft (KB) To 4692.00 ft (KB) (TVD)**

Total Depth: 4692.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3176.00 ft (KB)

3171.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8522**

**Inside**

Press@RunDepth: 72.56 psig @ 4626.00 ft (KB)

Start Date: 2012.04.16

End Date:

2012.04.16

Capacity: 8000.00 psig

Last Calib.: 2012.04.16

Start Time: 10:38:05

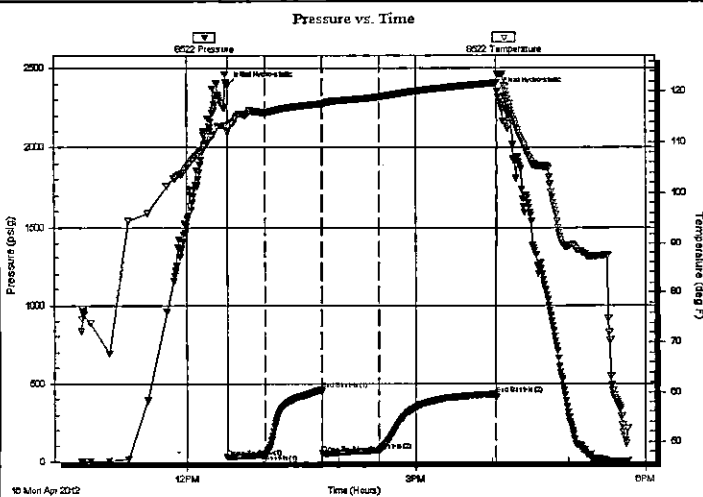
End Time:

17:46:29

Time On Btm: 2012.04.16 @ 12:31:45

Time Off Btm: 2012.04.16 @ 16:04:00

TEST COMMENT: IF: 3" blow.  
IS: No return.  
FF: 2" blow.  
FS: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.91	113.09	Initial Hydro-static
1	27.25	111.94	Open To Flow (1)
30	45.41	115.75	Shut-In(1)
75	463.50	117.49	End Shut-In(1)
76	53.32	117.33	Open To Flow (2)
120	72.56	118.89	Shut-In(2)
211	429.91	121.72	End Shut-In(2)
213	2354.61	123.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
80.00	ocm 30o 70m	0.39
20.00	oil 100o	0.10

\* 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

**23-10s-34w Thomas,KS**

204 N Robinson Ave STE2300  
Oklahoma City, OK 73102

**James AY #2**

Job Ticket: 46686

DST#: 3

ATTN: Pat Deenihan

Test Start: 2012.04.16 @ 10:38:00

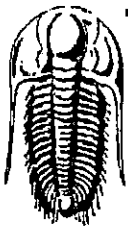
### Tool Information

Drill Pipe:	Length: 4486.00 ft	Diameter: 3.20 inches	Volume: 44.62 bbl	Tool Weight: 2500.00 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: 65000.00 lb
			<u>Total Volume: 45.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4625.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	94.00 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			4599.00	
Shut In Tool	5.00			4604.00	
Hydraulic tool	5.00			4609.00	
Jars	5.00			4614.00	
Safety Joint	2.00			4616.00	
Packer	5.00			4621.00	27.00 Bottom Of Top Packer
Packer	4.00			4625.00	
Stubb	1.00			4626.00	
Recorder	0.00	8678	Outside	4626.00	
Recorder	0.00	8522	Inside	4626.00	
Perforations	29.00			4655.00	
Change Over Sub	1.00			4656.00	
Drill Pipe	32.00			4688.00	
Change Over Sub	1.00			4689.00	
Bullnose	3.00			4692.00	67.00 Bottom Packers & Anchor

**Total Tool Length: 94.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Slaw son Exploration Co, Inc  
204 N Robinson Ave STE2300  
Oklahoma City, OK 73102  
ATTN: Pat Deenihan

**23-10s-34w Thomas,KS**  
**James AY #2**  
Job Ticket: 46686      **DST#: 3**  
Test Start: 2012.04.16 @ 10:38:00

**Mud and Cushion Information**

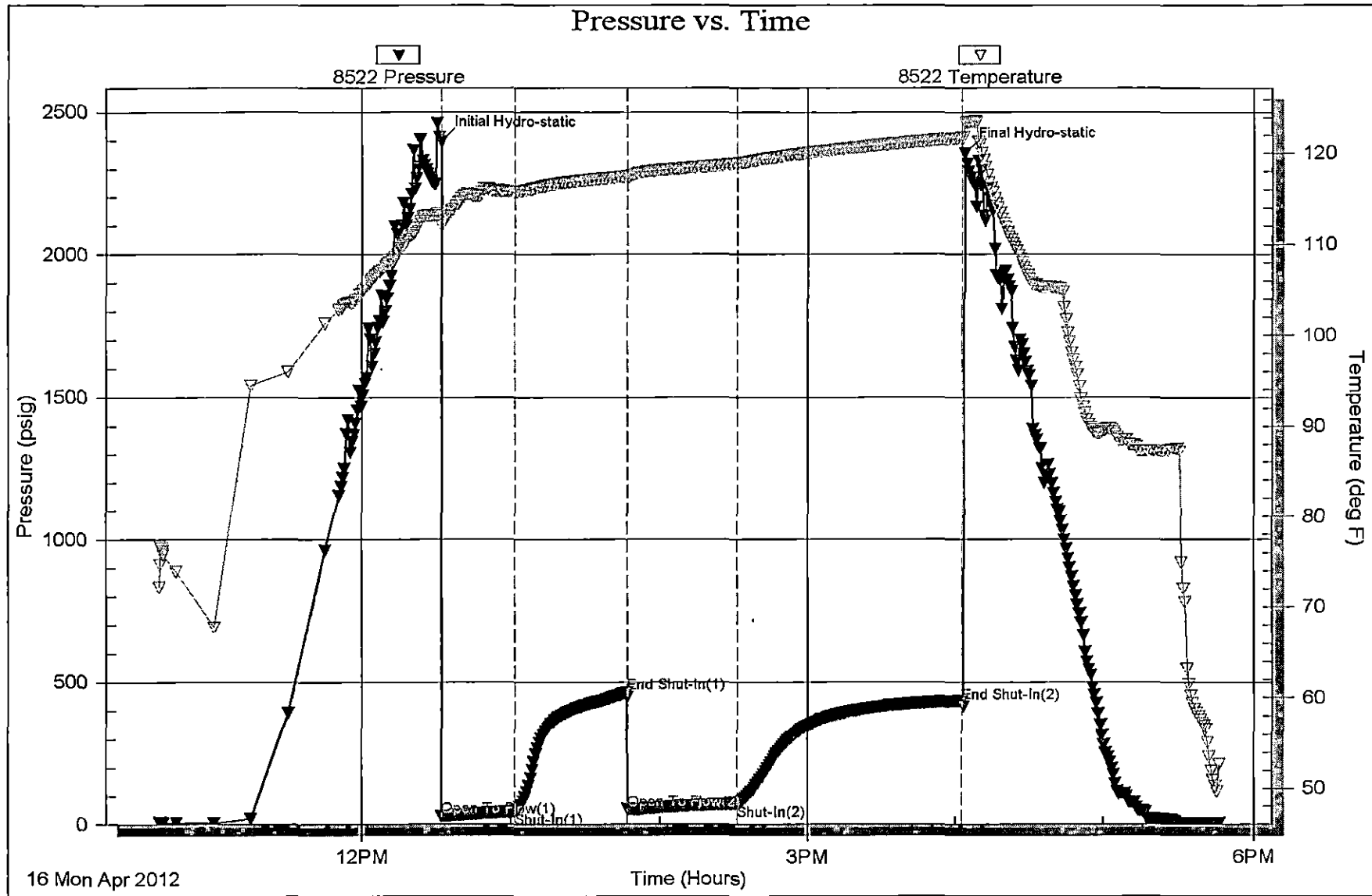
Mud Type: Gel Chem	Cushion Type:	Oil API:	25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9800.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

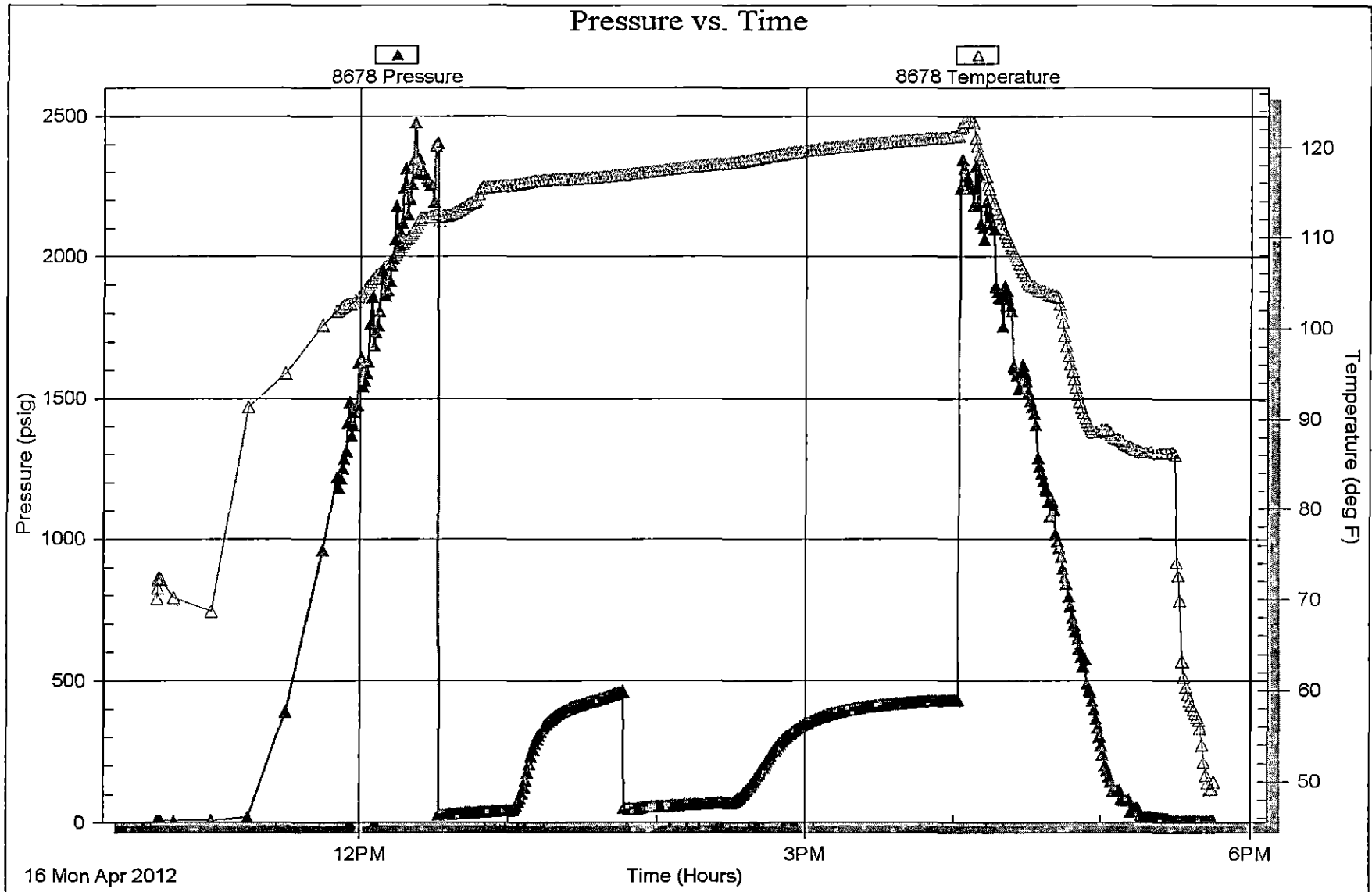
Recovery Table

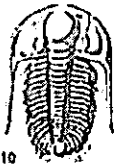
Length ft	Description	Volume bbl
80.00	ocm 30o 70m	0.393
20.00	oil 100o	0.098

Total Length: 100.00 ft      Total Volume: 0.491 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:









# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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APR 17 2012

## Test Ticket

NO. 46684

WELL Name & No. James AY # 2 BY: \_\_\_\_\_ Test No. 1 Date 4/14/12  
 Company Stawson Exploration Co, Inc Elevation 3176 KB 3171 GL  
 Address 204 N. Robinson STE 2300 Oklahoma City, OK 73102  
 Co. Rep / Geo. Pat Deenihan Rig WW # 4  
 Location: Sec. 23 Twp. 10S Rge: 34W Co. Thomas State Ks

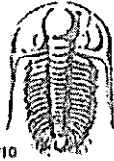
Interval Tested 4234 - 4330 Zone Tested LKC "H-I-J"  
 Anchor Length 96' Drill Pipe Run 4108 Mud Wt. 9.1  
 Top Packer Depth 4229 Drill Collars Run 124 Vis 70  
 Bottom Packer Depth 4234 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4330 Chlorides 5200 ppm System LCM 1st  
 Blow Description JF: 2 1/2" blow.  
JST: No return.  
FF: 1" blow  
FST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>215</u>	<u>new</u>			<u>50</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 215 BHT 121 Gravity \_\_\_\_\_ API RW 145 @ 65 °F Chlorides 52000 ppm  
 (A) Initial Hydrostatic 2219  Test 1225' T-On Location 0500  
 (B) First Initial Flow 29  Jars 250 T-Started 0617  
 (C) First Final Flow 84  Safety Joint 75' T-Open 0804  
 (D) Initial Shut-In 1290  Circ Sub N/C T-Pulled 1134  
 (E) Second Initial Flow 87  Hourly Standby \_\_\_\_\_ T-Out 1321  
 (F) Second Final Flow 125  Mileage 124 R/T 173.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1260  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2217  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 90  Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1723.60 Total 1723.60 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tool's lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 17 2012

## Test Ticket

NO. 46685

Well Name & No. <u>James AY #2</u>	Test No. <u>2</u>	Date <u>4/15/12</u>
Company <u>Stawson Exploration Co, Inc</u>	Elevation <u>3176</u>	KB <u>3171</u> GL
Address <u>204 N. Robinson STE 2300 Oklahoma, City, OK</u>	<u>73102</u>	
Co. Rep / Geo. <u>Pat Deenihan</u>	Rig <u>WW #4</u>	
Location: Sec. <u>23</u> Twp. <u>10s</u> Rge. <u>34w</u> Co. <u>Thomas</u> State <u>KS</u>		

Interval Tested <u>4515 - 4578</u>	Zone Tested <u>Pawnee - Myric Station</u>
Anchor Length <u>63</u>	Drill Pipe Run <u>4390</u> Mud Wl. <u>9.2</u>
Top Packer Depth <u>4510</u>	Drill Collars Run <u>12.5</u> Vis <u>64</u>
Bottom Packer Depth <u>4515</u>	Wl. Pipe Run <u>0</u> Wl. <u>1F</u>
Total Depth <u>4578</u>	Chlorides <u>9,000</u> ppm System LCM <u>8.8</u>

Blow Description IF: BOB @ 27 min  
IF: No return.  
IF: BOB @ 25 min.  
ESI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>0cm</u>	<u>10</u>		<u>90</u>	
<u>180</u>	<u>90cm</u>	<u>45</u>	<u>15</u>	<u>40</u>	
	<u>330 GIP</u>				

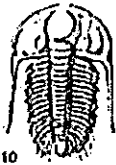
Rec Total <u>215</u>	BHT <u>124</u>	Gravity <u>-</u>	API RW <u>-</u>	@ <u>-</u>	F Chlorides <u>-</u> ppm
(A) Initial Hydrostatic <u>2321</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1300</u>			
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1321</u>			
(C) First Final Flow <u>81</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1524</u>			
(D) Initial Shut-In <u>712</u>	<input checked="" type="checkbox"/> Circ Sub <u>N</u>	T-Pulled <u>1854</u>			
(E) Second Initial Flow <u>70</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2056</u>			
(F) Second Final Flow <u>111</u>	<input checked="" type="checkbox"/> Mileage <u>124 N 192.20</u>	Comments			
(G) Final Shut-In <u>855</u>	<input type="checkbox"/> Sampler				
(H) Final Hydrostatic <u>2244</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer			

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1767.20</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1767.20</u>	

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RECEIVED  
JUN 28 2012  
KCC WICHITA



# TRIBOLITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 17 2012

Test Ticket  
NO. 46686

Well Name & No. James AY #2 Test No. 3 Date 4/16/12  
 Company Stawson Exploration Co, Inc Elevation 3176 KB 3171 GL  
 Address 204 N Robinson STE 2500 Oklahoma City, OK 73102  
 Co. Rep / Geo. Pat Roerhans Rig WU #4  
 Location: Sec. 23 Twp. 10S Rge. 34W Co. Thomas State Ks

Interval Tested 4625-4692 Zone Tested Johnson  
 Anchor Length 67 Drill Pipe Run 4486 Mud Wt. 9.4  
 Top Packer Depth 4620 Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 4625 Wt. Pipe Run 0 WL 2.8  
 Total Depth \_\_\_\_\_ Chlorides 9800 ppm System LCM 1<sup>st</sup>

Blow Description IF: 3" blow  
IS: No return  
FF: 2" blow  
BS: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>OIL</u>	<u>100</u>			
<u>30</u>	<u>ocm</u>	<u>30</u>		<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 124 Gravity 2.5 API RW. @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2394  Test 1250" T-On Location 1800  
 (B) First Initial Flow 27  Jars 250" T-Started 1038  
 (C) First Final Flow 45  Safety Joint 75" T-Open 1232  
 (D) Initial Shut-In 464  Circ Sub NK T-Pulled 1632  
 (E) Second Initial Flow 53  Hourly Standby \_\_\_\_\_ T-Out 1745  
 (F) Second Final Flow 73  Mileage 124 R/T 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 430  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2355  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1767.20  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 90 Sub Total 1767.20

Approved By \_\_\_\_\_ Our Representative [Signature]

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.