

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

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

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

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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

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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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

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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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>	PRODUCTION INTERVAL: Top _____ Bottom _____
---	---	--

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Slawson Exploration Company, Inc.
Well Name	KISTLER 2-14
Doc ID	1323788

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4655-4663	300 gal 15% NEFE	
4	4558-4569	300 gal 15% NEFE	
		CIBP	4500
4	4453-5561'	300 gal 15% NEFE	





# ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68143

REMIT TO: Allied OFS, LLC  
P.O. Box 205803  
Dallas, TX 75320-5803

SERVICE POINT:  
*Quilley Ky*

DATE <i>10/10/16</i>	SEC. <i>4</i>	TWR <i>9</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>4:20</i>	JOB FINISH <i>5:00</i>
LEASE <i>Kistler</i>	WELL # <i>2-14</i>	LOCATION <i>Mingo W miles 5 into</i>	COUNTRY <i>Thomas Ky</i>	STATE			
OLD OR NEW (Circle one)							

CONTRACTOR *Ande 7*  
 TYPE OF JOB *Surface*  
 HOLE SIZE *12 1/4* T.D. *397*  
 CASING SIZE *8 5/8* DEPTH *397*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER *Sam*  
 CEMENT AMOUNT ORDERED *250 (ann 390 CC 114 FLO)*

EQUIPMENT  
 PUMP TRUCK CEMENTER *Alan Bryan*  
 # *566-281* HELPER *Alan Bryan*  
 BULK TRUCK  
 # *891-287* DRIVER *Cory Brown*  
 BULK TRUCK  
 # DRIVER

COMMON *250 @ 17.80 4475.00*  
 POZMIX @  
 GEL @  
 CHLORIDE *205.4 @ 1.10 225.94*  
 ASC @  
 @  
 @  
 @  
 @  
 @  
 @  
 @

TOTAL *5437.61*  
 DISCOUNT *48% 2610.5*

REMARKS:  
*Ande Circulate, Mix Cement, Displace Cement, 5 hrs*  
*Cement did circulate*  
*In Cells*  
*Frank Y...*  
*Byg Kelly Co*

SERVICE  
 HANDLING *266.7 CE @ 2.50 666.75*  
 MILEAGE *2.25 mil @ 12.00 27.00*  
 DEPTH OF JOB  
 PUMP TRUCK CHARGE *1512.25*  
 EXTRA FOOTAGE @  
 HV MILEAGE *30 @ 7.20 216.00*  
 LV MILEAGE *30 @ 4.80 144.00*

TOTAL *3537.83*  
 DISCOUNT *48% 1698.11*

CHARGE TO *Lanison Exp*  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT  
 Catechins *2 @ 25.00 50.00*  
 @  
 @  
 @  
 @  
 @  
 TOTAL *150.00*  
 DISCOUNT *48% 72.00*

To: Allied OFS, 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 *9125.34*  
 DISCOUNT *4380.16 (48%)* IF PAID IN 30 DAYS  
 NET TOTAL *4745.17* IF PAID IN 30 DAYS

PRINTED NAME *Chad D. Paul*  
 SIGNATURE *Chad D. Paul*

Bid

Operator Name: Slawson Exploration Co, Inc  
 Well Name: Kistler 2-14  
 October 10, 2016



**Cost Estimate**

**8 5/8 " Surface**

Operations	Qty	UoM	Unit Price	Total	Net Price
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	\$1,512.25	\$1,512.25	\$786.37
			Subtotal:	\$1,512.25	\$786.37
<b>Equipment Sales</b>					
Guide Shoe	1.00	each	\$460.00	\$460.00	\$239.20
AFU Flapper Float Collar	1.00	each	\$1,090.00	\$1,090.00	\$566.80
			Subtotal:	\$1,550.00	\$806.00
<b>Products</b>					
CLASS A COMMON	210	sack	\$17.90	\$3,759.00	\$1,954.68
CALCIUM CHLORIDE, PELLETS OR FLAKE	593	pound	\$1.10	\$652.30	\$339.20
CELLOPHANE FLAKES	53	pound	\$2.97	\$157.41	\$81.85
			Subtotal:	\$4,568.71	\$2,375.73
<b>Transport</b>					
Products handling service charge	226.00	per cu. Ft.	\$2.48	\$560.48	\$291.45
Drayage for Products	306.00	ton-mile	\$2.75	\$841.50	\$437.58
Light Vehicle Mileage	30.00	per mile	\$4.40	\$132.00	\$68.64
Heavy Vehicle Mileage	30.00	per mile	\$7.70	\$231.00	\$120.12
			Subtotal:	\$1,764.98	\$917.79

<b>TOTAL INVOICE EXCLUDING ADDITIONAL ITEMS</b>		\$9,395.94	\$4,885.89
---	--	------------	------------

Additional Items	Qty	UoM	Unit Price	Total	Net Price
Additional hours, in excess of set hours	1.00	per hour	\$ 440.00	\$ 440.00	\$ 228.80
			Subtotal:	\$ 440.00	\$ 228.80

The data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The prices contained in this proposal are estimates and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties. This quotation is based on being awarded the work on a first call basis and may be subject to change for second or third call. This quotation is valid for thirty (30) days after listed proposal date, and may be subject to change if the work is performed more than thirty (30) days after the listed proposal date.

**TERMS and CONDITIONS**

Allied OFS' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions listed on the service ticket provided at the job site. The Terms and Conditions include, among other things, an indemnity in favor of Allied OFS from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of Allied OFS. The Terms and Conditions also limit the warranties provided by Allied OFS and the remedies to which Customer may be entitled in the event of a breach of warranty by Allied OFS. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions.

By requesting that Allied OFS perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a service ticket or other document presented by Allied OFS containing such Terms and Conditions.

In the event that Customer and Allied OFS have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions.



# ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

60124

REMIT TO: Allied OFS, LLC  
P.O. Box 205803  
Dallas, TX 75320-5803

SERVICE POINT:

Dakota

DATE <u>10-20-16</u>	SEC <u>14</u>	TWP <u>9 S</u>	RANGE <u>29 W</u>	CALLED OUT	ON LOCATION <u>1:30 PM</u>	JOB START <u>9:20 AM</u>	JOB FINISH <u>12:27 PM</u>
LEASE <u>Ristler</u>	WELL# <u>2-14</u>	LOCATION <u>mingo 6 1/2 W 51th</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Duke 7</u>
TYPE OF JOB <u>Production</u>
HOLE SIZE <u>7 1/8</u>
CASING SIZE <u>4 1/2</u>
TUBING SIZE
DRILL PIPE
TOOL <u>DV</u>
PRES. MAX
MEAS. LINE
CEMENT LEFT IN CSG. <u>14.63'</u>
PERFS.
DISPLACEMENT <u>74.06 BBL</u>
EQUIPMENT

OWNER <u>Some</u>
CEMENT
AMOUNT ORDERED <u>155 sks ASC 12" 15% Fluid Loss 14" Deformer</u>
<u>200 sks 1 1/2" 15% Fluid Loss 14" Deformer</u>
<u>680 sks 1 1/2" 15% Fluid Loss 14" Deformer</u>
<u>12 BBL Hivis sweep 20 BBL 15% Fluid Loss clay control</u>
COMMON @
POZMIX @
GEL @
CHLORIDE @
ASC <u>155 sks</u> @ <u>23.50</u> <u>3642.50</u>
<u>Hivis sweep 12 BBL</u> @ <u>58.70</u> <u>704.40</u>
<u>liquid clay control 20 BBL</u> @ <u>34.40</u> <u>688.00</u>
<u>Rob-seal 725#</u> @ <u>98</u> <u>71950</u>
<u>Fluid Loss 23#</u> @ <u>23.10</u> <u>531.30</u>
<u>Deformer 22#</u> @ <u>3.50</u> <u>77.00</u>
<u>Light cement 280 sks</u> @ <u>19.88</u> <u>5566.40</u>
<u>Flowseal 340#</u> @ <u>2.97</u> <u>1009.80</u>
TOTAL <u>21,456.38</u>

PUMP TRUCK CEMENTER <u>Andrew Forslund</u>
# <u>431</u> HELPER <u>Wayne Madsen</u>
BULK TRUCK
# <u>890</u> DRIVER <u>Jade Mitten</u>
BULK TRUCK
# <u>818</u> DRIVER

### REMARKS:

Pump 12 BBL Hivis sweep followed by 20 BBL  
Rob-seal mix 155 sks asc, wash pump and line  
clean Release plug and displace 100' LIFT 1500  
Load Plug float held open on emt plug mouse  
hole 15' sks. Rot hole 20 sks mix 1 1/2" 15% Fluid Loss  
run 4 1/2 casing, wash pump and line clean  
Release Plug and displace Plug cement. Foot  
closed 900' LIFT 1800 Load Plug cement  
did circulate. Thank you

DISCOUNT 48% 10,299.06

### SERVICE

HANDLING <u>1101 cu/ft</u> @ <u>2.48</u> <u>2730.48</u>
MILEAGE <u>3.25</u> <u>ter/mile</u> <u>40 ton</u> <u>3,300.00</u>
DEPTH OF JOB <u>4793'</u>
PUMP TRUCK CHARGE <u>2765.25</u> <u>2765.25</u>
EXTRA FOOTAGE @
HV MILEAGE <u>30 miles</u> @ <u>2.20</u> <u>660.00</u>
LV MILEAGE <u>30 miles</u> @ <u>13.70</u> <u>4110.00</u>
Head + manifold @ <u>225.00</u>
TOTAL <u>11,840.48</u>

DISCOUNT 48% 5683.43

### PLUG & FLOAT EQUIPMENT

<u>1/4" Float shoe</u> @ <u>425.00</u>
<u>1 Catchdown Plug Assy</u> @ <u>655.00</u>
<u>2 Centralizers</u> @ <u>26.00</u> <u>208.00</u>
<u>2 Baskets</u> @ <u>315.00</u> <u>630.00</u>
<u>1 DV Tool</u> @ <u>4837.00</u>
TOTAL <u>6,750.00</u>

DISCOUNT 48% 3210.00

CHARGE TO: Stewson Exploration  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied OFS, 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 Mark Solka  
SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 40,046.86  
DISCOUNT 19,220.49 (48%) IF PAID IN 30 DAYS  
NET TOTAL 20,826.36 IF PAID IN 30 DAYS

Bid

Operator Name: Slawson Exploration Company Inc  
 Well Name: Kistler 2-14  
 October 20, 2016



**Cost Estimate**

**4 1/2 " Production**

Operations	Qty	UoM	Unit Price	Total	Net Price
PUMP, CASING CEMENT 4001-5000 FT	1.00	min. 4 hr	\$2,765.75	\$2,765.75	\$1,438.19
MULTIPLE STAGE CEMENTING - ADDITIONAL STAGE	1.00	per stage	\$2,406.25	\$2,406.25	\$1,251.25
CEMENTING HEAD RENTAL WITH MANIFOLD AND SWEDGE	1.00	per day	\$275.00	\$275.00	\$143.00
			Subtotal:	\$5,447.00	\$2,832.44
<b>Equipment Sales</b>					
Guide Shoe	1.00	each	\$225.00	\$225.00	\$117.00
Stage Collar Standard	1.00	each	\$4,832.00	\$4,832.00	\$2,512.64
Cement Basket	2.00	each	\$315.00	\$630.00	\$327.60
Centralizer	26.00	each	\$57.00	\$1,482.00	\$770.64
Sure Seal Float Collar	1.00	each	\$600.00	\$600.00	\$312.00
			Subtotal:	\$7,769.00	\$4,039.88
<b>Products</b>					
HIVIS SWEEP	12	bbl	\$58.70	\$704.40	\$366.29
LIQUID CLAY CONTROL	2	gallon	\$34.40	\$58.48	\$30.41
ALLIED SPECIAL BLEND CEMENT - CLASS A	140	sack	\$23.50	\$3,290.00	\$1,710.80
KOL-SEAL	700	pound	\$0.98	\$686.00	\$356.72
FLUID LOSS ADDITIVE - LOW DENSITY SLURRIES CFL-330	66	pound	\$23.10	\$1,524.60	\$792.79
DEFOAMER - POWDER CDF-100P	20	pound	\$3.50	\$70.00	\$36.40
ALLIED LIGHT WEIGHT CEMENT- CLASS A	555	sack	\$19.88	\$11,033.40	\$5,737.37
CELLOPHANE FLAKES	278	pound	\$2.97	\$825.66	\$429.34
			Subtotal:	\$18,192.54	\$9,460.12
<b>Transport</b>					
Products handling service charge	809.00	per cu. Ft.	\$2.48	\$2,006.32	\$1,043.29
Drayage for Products	1010.00	ton-mile	\$2.75	\$2,777.50	\$1,444.30
Light Vehicle Mileage	30.00	per mile	\$4.40	\$132.00	\$68.64
Heavy Vehicle Mileage	30.00	per mile	\$7.70	\$231.00	\$120.12
			Subtotal:	\$5,146.82	\$2,676.35

<b>TOTAL INVOICE EXCLUDING ADDITIONAL ITEMS:</b>				\$36,555.36	\$19,008.79
--	--	--	--	-------------	-------------

Additional Items	Qty	UoM	Unit Price	Total	Net Price
Additional hours, in excess of set hours	1.00	per hour	\$ 440.00	\$ 440.00	\$ 228.80
			Subtotal:	\$ 440.00	\$ 228.80

The data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The prices contained in this proposal are estimates and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties. This quotation is based on being awarded the work on a first call basis and may be subject to change for second or third call. This quotation is valid for thirty (30) days after listed proposal date, and may be subject to change if the work is performed more than thirty (30) days after the listed proposal date.

**TERMS and CONDITIONS**

Allied OFS' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions listed on the service ticket provided at the job site. The Terms and Conditions include, among other things, an indemnity in favor of Allied OFS from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of Allied OFS. The Terms and Conditions also limit the warranties provided by Allied OFS and the remedies to which Customer may be entitled in the event of a breach of warranty by Allied OFS. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions.

By requesting that Allied OFS perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a service ticket or other document presented by Allied OFS containing such Terms and Conditions.

In the event that Customer and Allied OFS have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions.





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61293

**DST#: 1**

Test Start: 2016.10.16 @ 07:38:17

## GENERAL INFORMATION:

Formation: **LKC "H"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:37:17  
 Time Test Ended: 16:10:47  
 Interval: **4250.00 ft (KB) To 4300.00 ft (KB) (TVD)**  
 Total Depth: 4300.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brannan Lonsdale  
 Unit No: 73  
 Reference Elevations: 3183.00 ft (KB)  
 3170.00 ft (CF)  
 KB to GR/CF: 13.00 ft

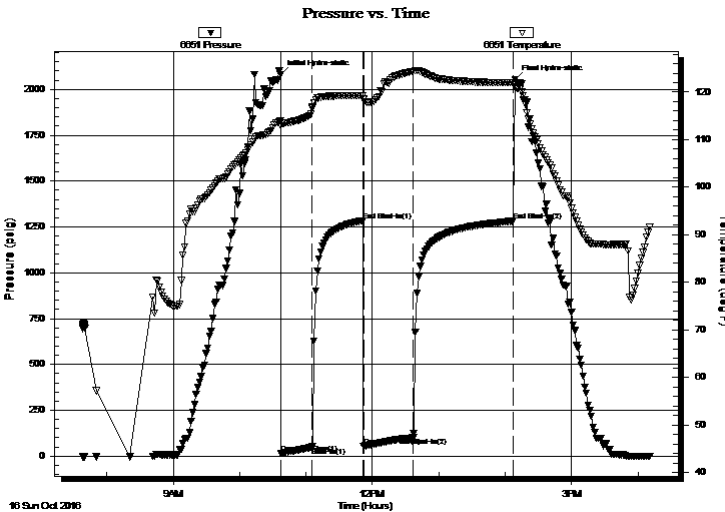
## Serial #: 6651

Inside

Press@RunDepth: 100.51 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.10.16 End Date: 2016.10.16 Last Calib.: 2016.10.16  
 Start Time: 07:38:18 End Time: 16:10:47 Time On Btm: 2016.10.16 @ 10:36:47  
 Time Off Btm: 2016.10.16 @ 14:08:47

TEST COMMENT: 30- IF- Slowly built to 2"  
 45- IS- No blow  
 45- FF- Slowly built to 3"  
 90- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.99	114.00	Initial Hydro-static
1	15.38	112.91	Open To Flow (1)
29	48.87	116.67	Shut-In(1)
75	1283.62	119.23	End Shut-In(1)
75	53.73	118.69	Open To Flow (2)
120	100.51	124.35	Shut-In(2)
211	1281.53	121.92	End Shut-In(2)
212	2054.08	121.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	MW, 40%M 60%W	1.30
2.00	CO	0.03

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61293

**DST#: 1**

Test Start: 2016.10.16 @ 07:38:17

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.20 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 37000 ppm

deg API

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	MW, 40%M 60%W	1.301
2.00	CO	0.028

Total Length: 212.00 ft      Total Volume: 1.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

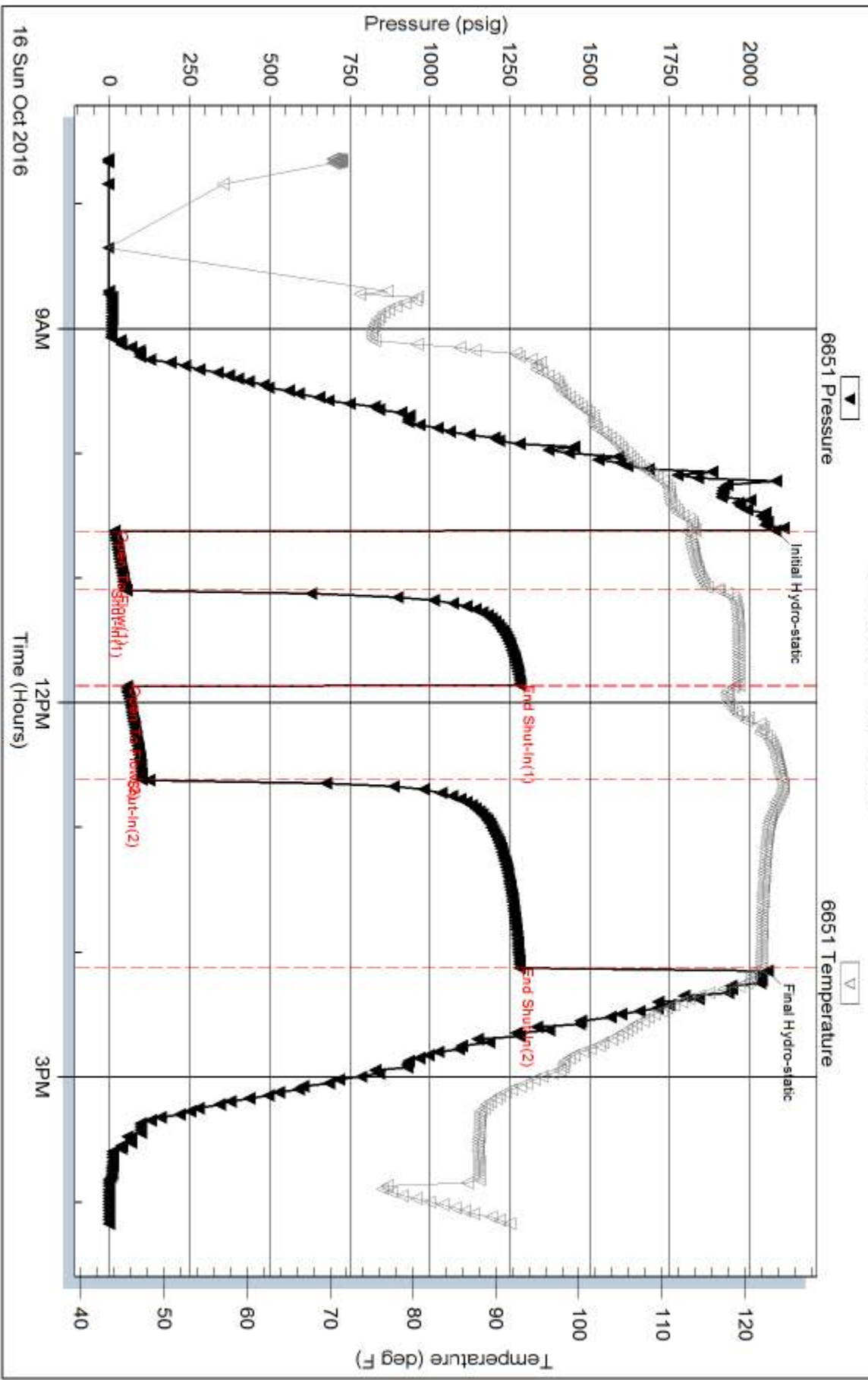
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .13@86deg

### Pressure vs. Time

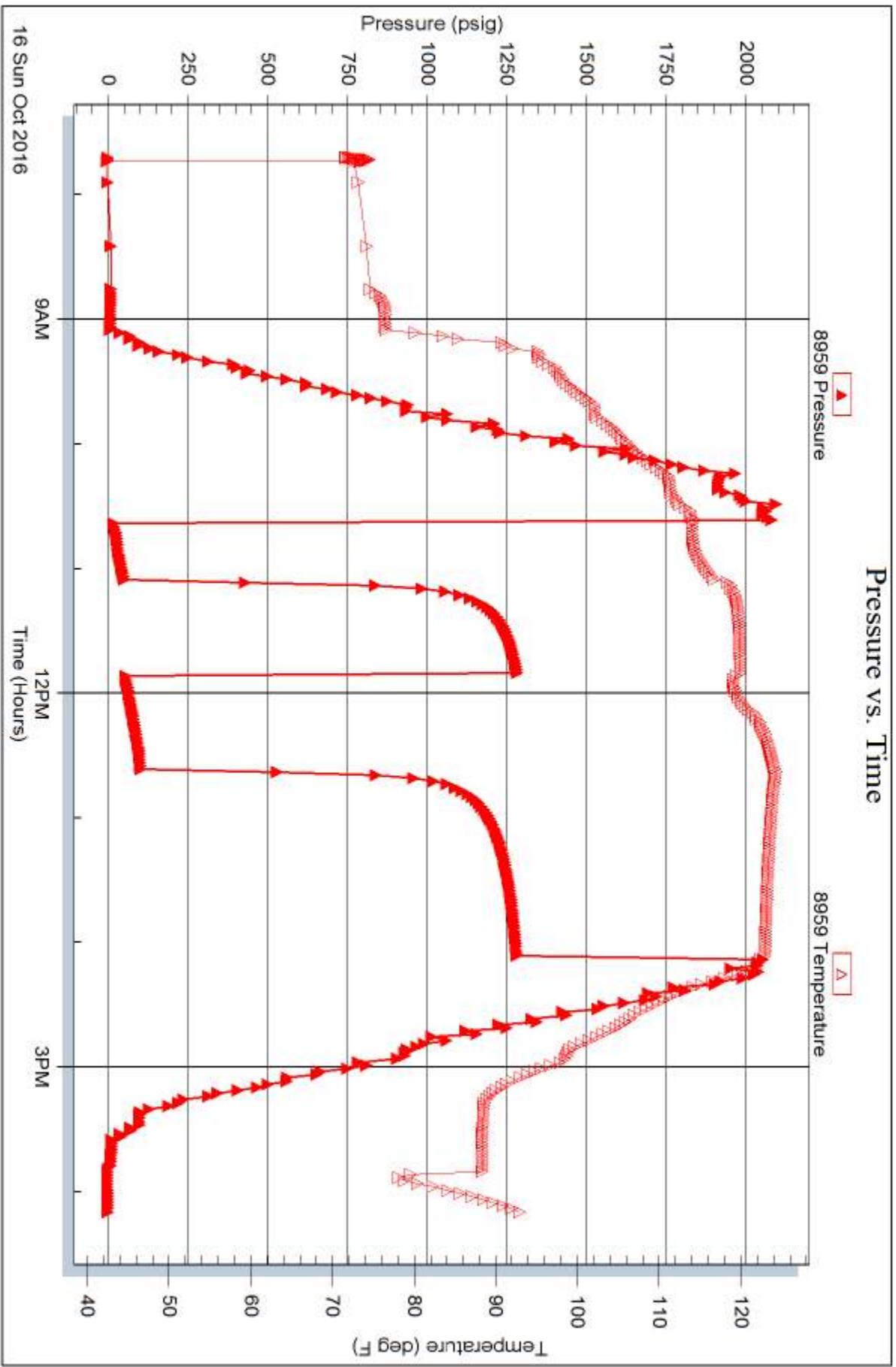


Serial #: 8959

Outside Saw son Exploration Company, Inc.

Kistler #2-14

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 61293

Printed: 2016.10.16 @ 16:45:31



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61293

**DST#: 1**

Test Start: 2016.10.16 @ 07:38:17

## GENERAL INFORMATION:

Formation: **LKC "H"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:37:17  
 Time Test Ended: 16:10:47  
 Interval: **4250.00 ft (KB) To 4300.00 ft (KB) (TVD)**  
 Total Depth: 4300.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brannan Lonsdale  
 Unit No: 73  
 Reference Elevations: 3183.00 ft (KB)  
 3170.00 ft (CF)  
 KB to GR/CF: 13.00 ft

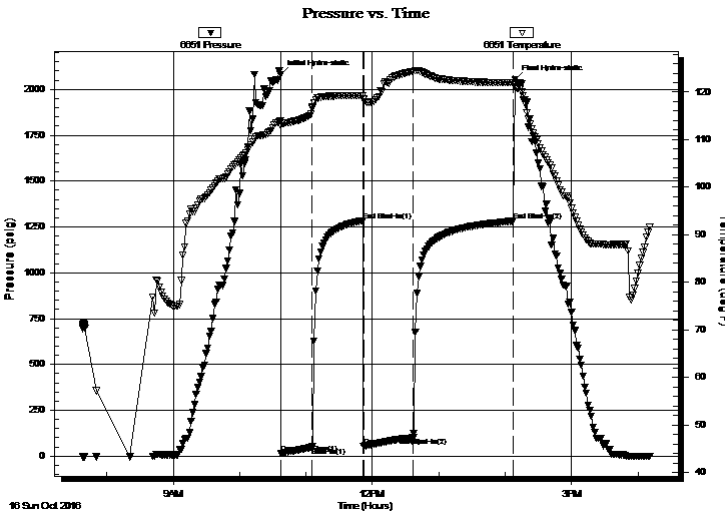
## Serial #: 6651

Inside

Press@RunDepth: 100.51 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.10.16 End Date: 2016.10.16 Last Calib.: 2016.10.16  
 Start Time: 07:38:18 End Time: 16:10:47 Time On Btm: 2016.10.16 @ 10:36:47  
 Time Off Btm: 2016.10.16 @ 14:08:47

TEST COMMENT: 30- IF- Slowly built to 2"  
 45- IS- No blow  
 45- FF- Slowly built to 3"  
 90- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.99	114.00	Initial Hydro-static
1	15.38	112.91	Open To Flow (1)
29	48.87	116.67	Shut-In(1)
75	1283.62	119.23	End Shut-In(1)
75	53.73	118.69	Open To Flow (2)
120	100.51	124.35	Shut-In(2)
211	1281.53	121.92	End Shut-In(2)
212	2054.08	121.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	MW, 40%M 60%W	1.30
2.00	CO	0.03

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61293

**DST#: 1**

Test Start: 2016.10.16 @ 07:38:17

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.20 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 37000 ppm

deg API

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	MW, 40%M 60%W	1.301
2.00	CO	0.028

Total Length: 212.00 ft      Total Volume: 1.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

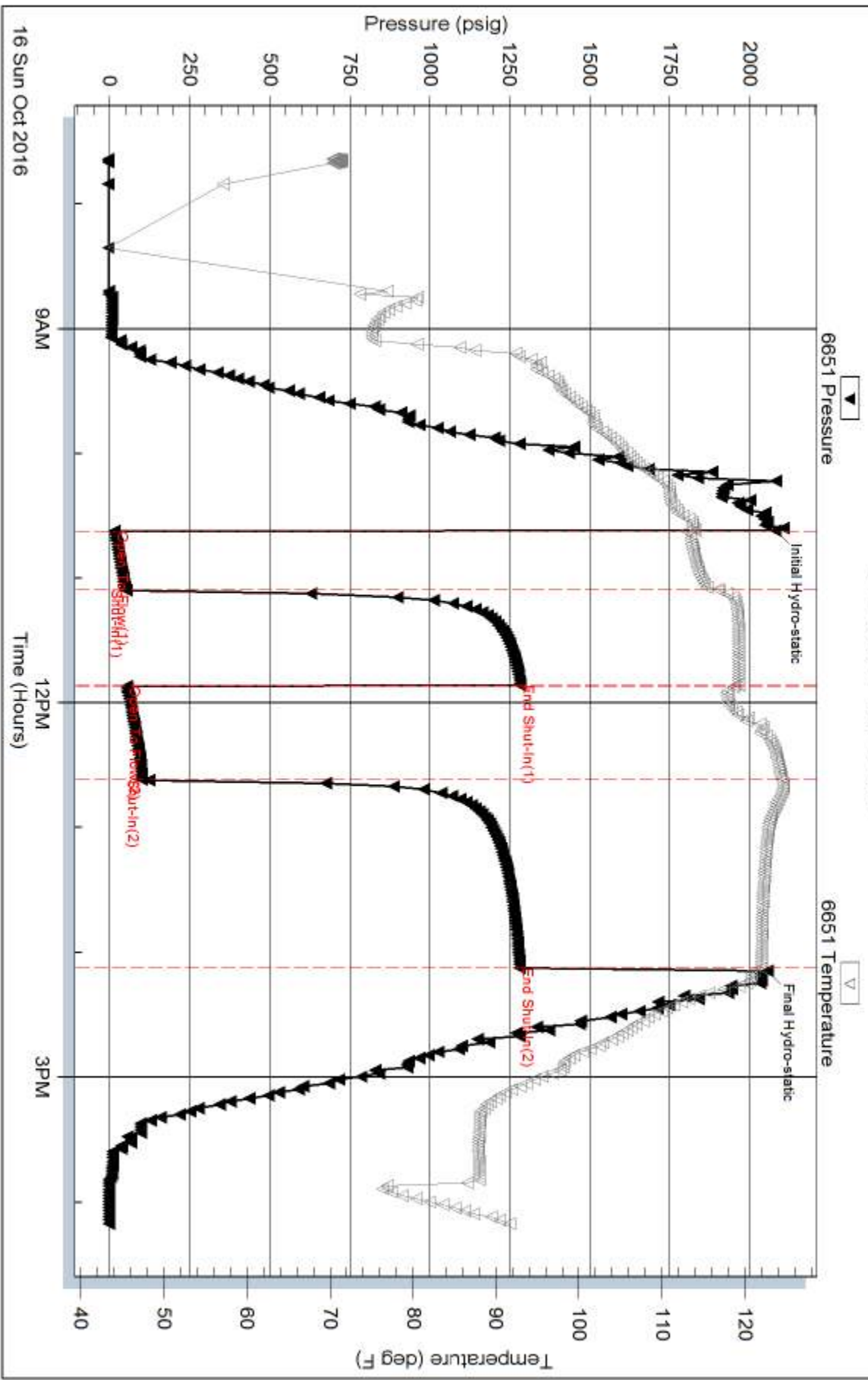
Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .13@86deg



### Pressure vs. Time

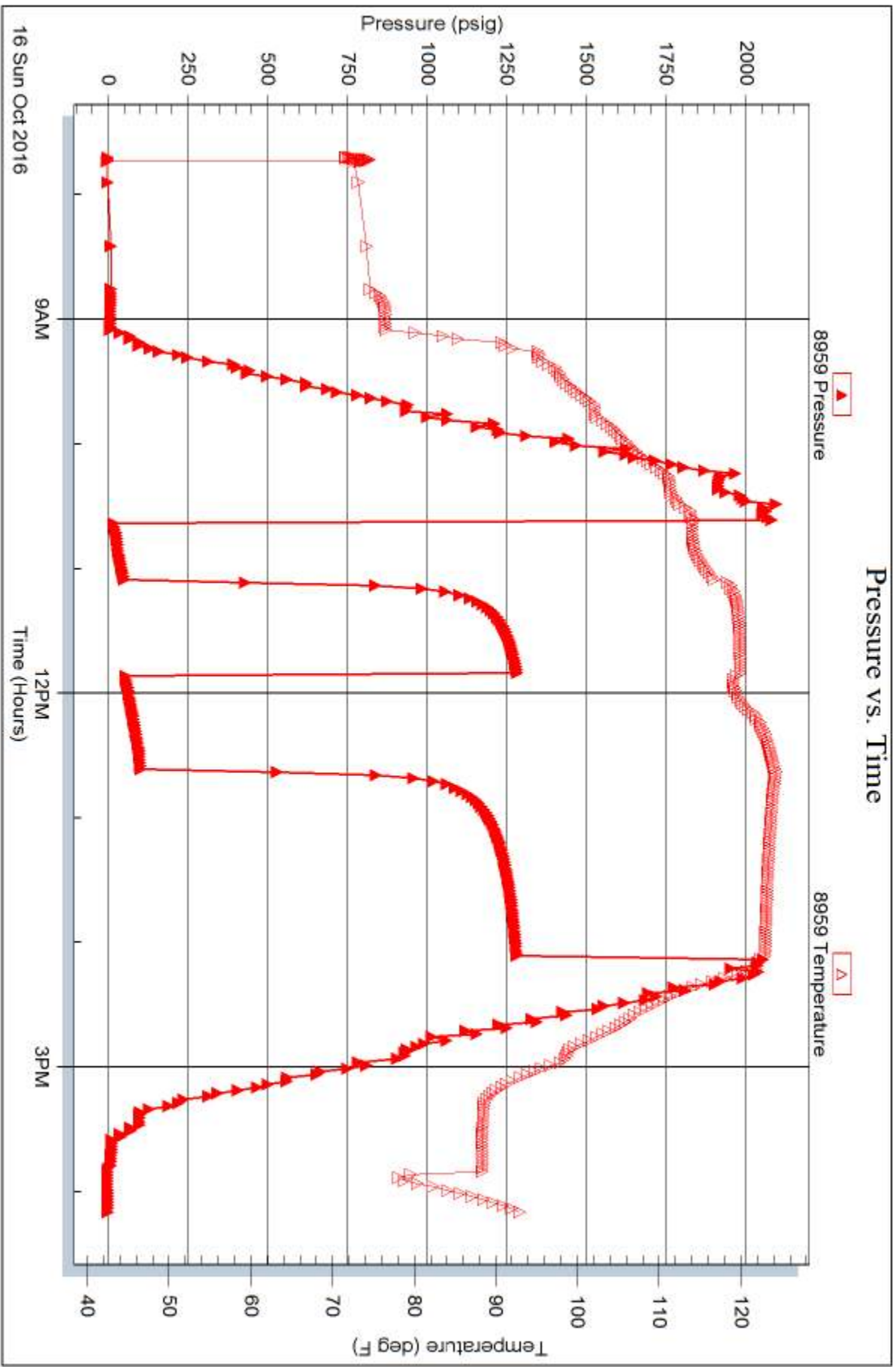


Serial #: 8959

Outside Saw son Exploration Company, Inc.

Kistler #2-14

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61294

**DST#: 2**

Test Start: 2016.10.17 @ 22:44:38

## GENERAL INFORMATION:

Formation: **Pawnee-Myrick Statio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:59:38

Time Test Ended: 06:31:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4493.00 ft (KB) To 4572.00 ft (KB) (TVD)**

Reference Elevations: 3183.00 ft (KB)

Total Depth: 4572.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6651**

**Inside**

Press@RunDepth: 123.41 psig @ 4505.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.17

End Date:

2016.10.18

Last Calib.:

2016.10.18

Start Time: 22:44:39

End Time:

06:31:38

Time On Btm:

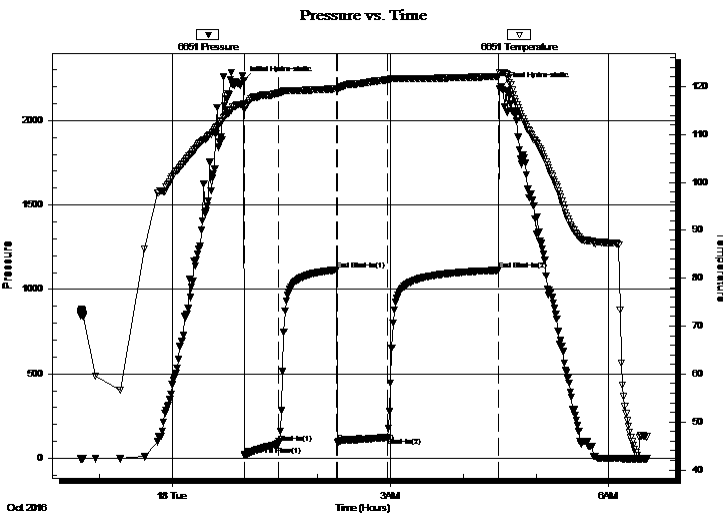
2016.10.18 @ 00:59:08

Time Off Btm:

2016.10.18 @ 04:31:08

**TEST COMMENT:** 30- IF- Slow ly built to 5"  
45- IS- No blow  
45- FF- Slow ly built to 6"  
90- FSI- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.68	116.34	Initial Hydro-static
1	17.49	115.12	Open To Flow (1)
29	85.98	118.64	Shut-In(1)
76	1115.36	119.51	End Shut-In(1)
77	95.55	119.37	Open To Flow (2)
118	123.41	121.36	Shut-In(2)
210	1113.81	122.11	End Shut-In(2)
212	2198.73	122.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	SGOCM, 10%G 10%O 80%M	1.73

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61294

**DST#: 2**

Test Start: 2016.10.17 @ 22:44:38

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.98 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3300.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 31 deg API

Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	SGOCM, 10%G 10%O 80%M	1.726

Total Length: 240.00 ft      Total Volume: 1.726 bbl

Num Fluid Samples: 0

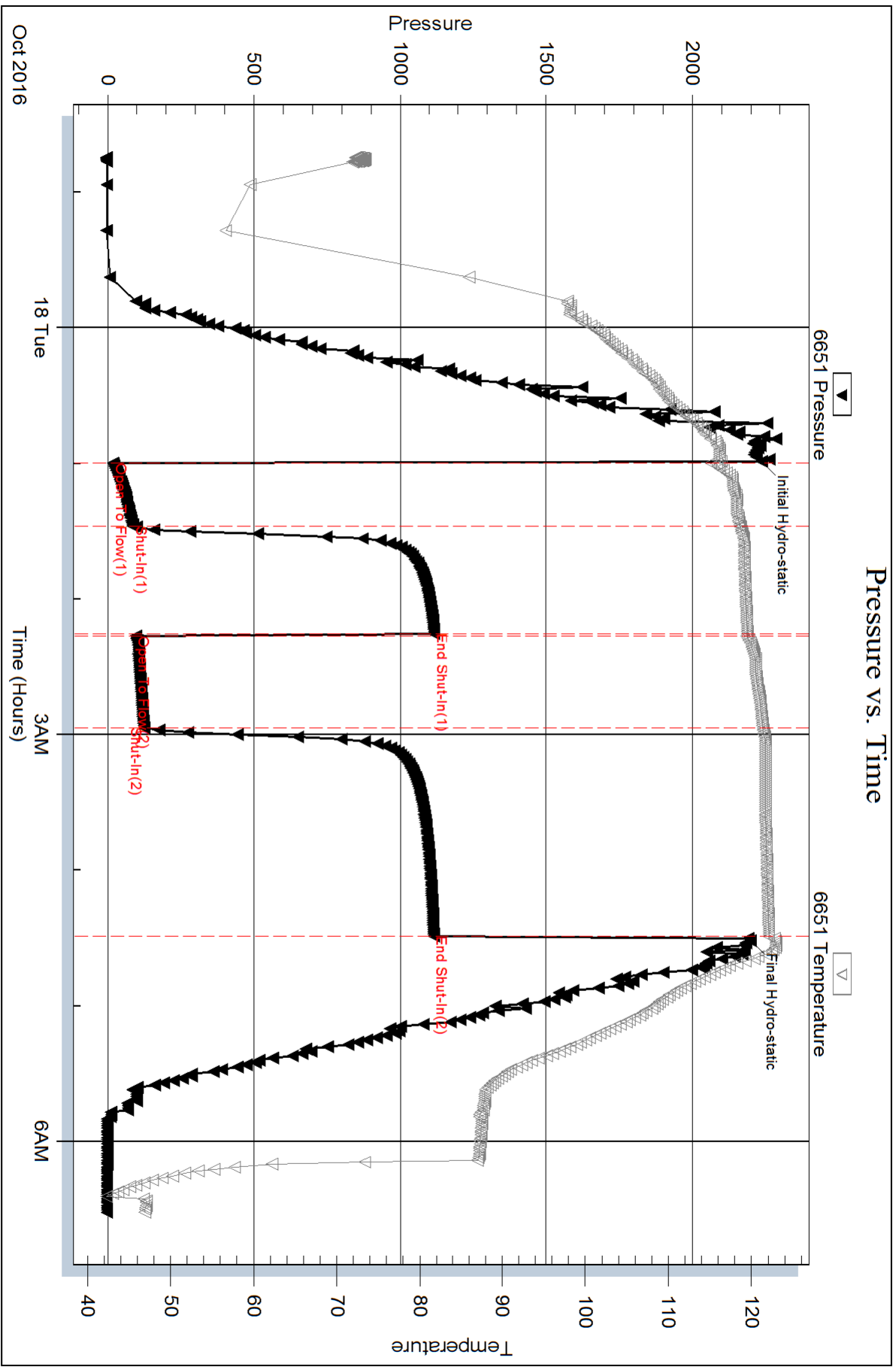
Num Gas Bombs: 0

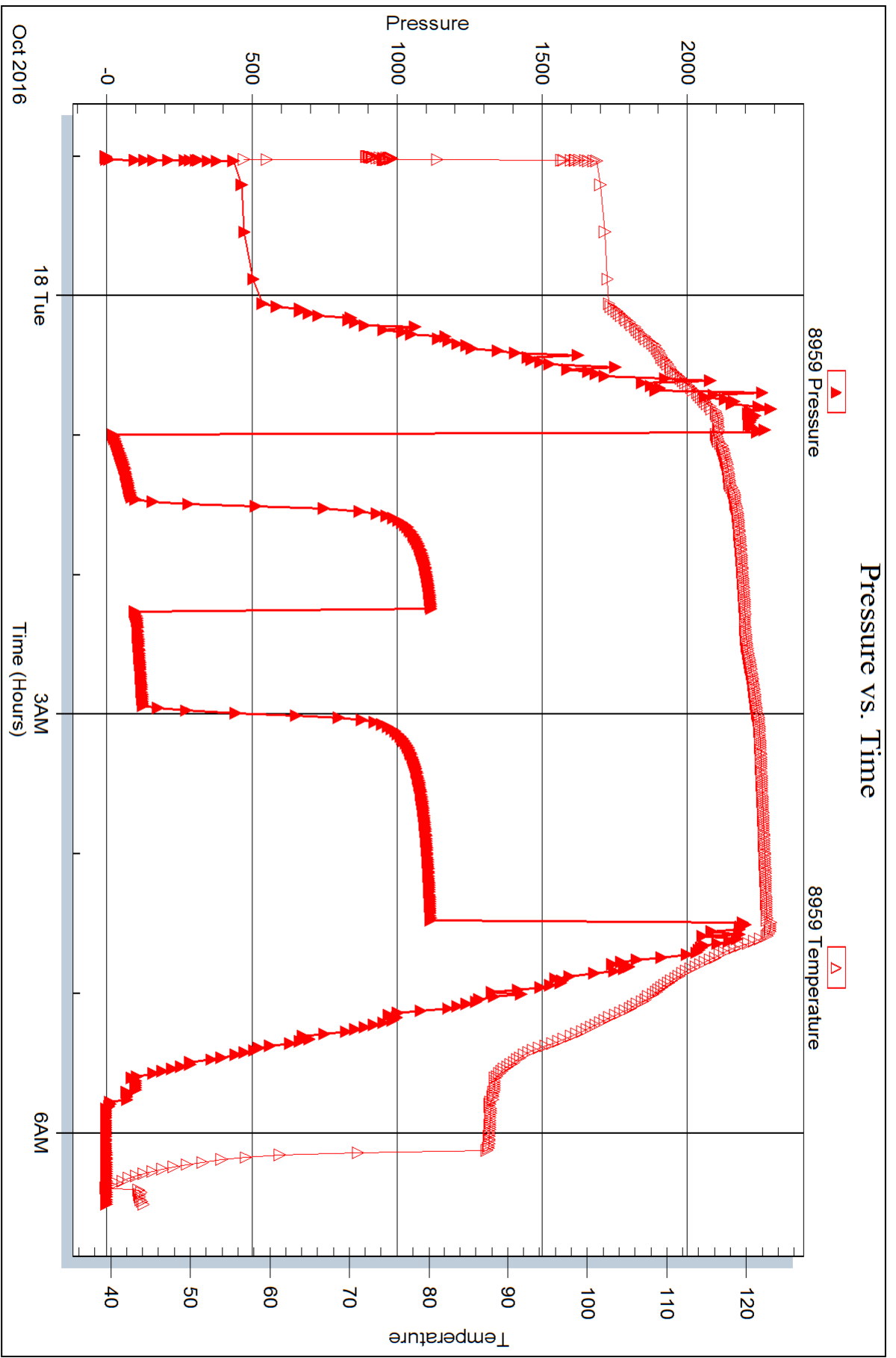
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61295

**DST#: 3**

Test Start: 2016.10.19 @ 17:46:16

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:46

Time Test Ended: 01:55:46

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4440.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3183.00 ft (KB)

Total Depth: 4800.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6651**

**Inside**

Press @ Run Depth: 380.93 psig @ 4441.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.19

End Date:

2016.10.20

Last Calib.:

2016.10.20

Start Time: 17:46:17

End Time:

01:55:46

Time On Btm:

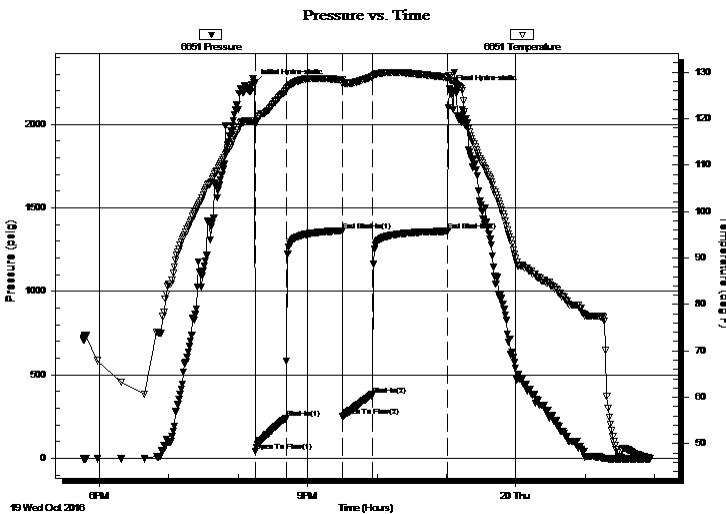
2016.10.19 @ 20:14:16

Time Off Btm:

2016.10.19 @ 23:02:46

**TEST COMMENT:** 30- IF- BOB 3mins  
45- IS- Slow ly built to 8"  
30- FF- BOB 1min  
60- FSI- Slow ly built to 10"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.78	119.60	Initial Hydro-static
1	41.71	118.64	Open To Flow (1)
27	240.58	125.98	Shut-In(1)
76	1363.33	128.28	End Shut-In(1)
76	253.03	127.53	Open To Flow (2)
102	380.93	128.93	Shut-In(2)
167	1360.50	128.86	End Shut-In(2)
169	2211.27	128.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
244.00	MW, 25%M 75%W	1.78
501.00	GSWMCO, 15%G 5%W 5%M 75%O	7.10
190.00	GMCO, 25%G 30%M 45%O	2.69
0.00	1188' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61295

**DST#: 3**

Test Start: 2016.10.19 @ 17:46:16

## Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.82 inches	Volume: 60.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4440.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	4470.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	387.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4414.00	
Shut In Tool	5.00			4419.00	
Hydraulic tool	5.00			4424.00	
Jars	5.00			4429.00	
Safety Joint	2.00			4431.00	
Packer	5.00			4436.00	27.00 Bottom Of Top Packer
Packer	4.00			4440.00	
Stubb	1.00			4441.00	
Recorder	0.00	6651	Inside	4441.00	
Recorder	0.00	6839	Outside	4441.00	
Perforations	25.00			4466.00	
Blank Off Sub	1.00			4467.00	
Blank Spacing	3.00			4470.00	30.00 Tool Interval
Packer	1.00			4471.00	
Stubb	1.00			4472.00	
Recorder	0.00	8959	Below	4472.00	
Perforations	8.00			4480.00	
Change Over Sub	1.00			4481.00	
Drill Pipe	315.00			4796.00	
Change Over Sub	1.00			4797.00	
Bullnose	3.00			4800.00	330.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>387.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Slawson Exploration Company, Inc.

**14-9S-34W Thomas, KS**

204 N. Robinson Ave.  
Ste. 2300  
Oklahoma City, OK 73102  
ATTN: Pete

**Kistler #2-14**

Job Ticket: 61295

**DST#: 3**

Test Start: 2016.10.19 @ 17:46:16

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

67000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
244.00	MW, 25%M 75%W	1.783
501.00	GSWMCO, 15%G 5%W 5%M 75%O	7.102
190.00	GMCO, 25%G 30%M 45%O	2.693
0.00	1188' GIP	0.000

Total Length: 935.00 ft      Total Volume: 11.578 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .16@44deg





