



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1233410  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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       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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1233410

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. 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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

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
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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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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## DRILL STEM TEST REPORT

Prepared For: **Glacier Petroleum Inc**

PO Box 577  
Emporia KS 66801

ATTN: Pat Deenihan

**Olsen #9**

**20-14s-10e Wabaunsee KS**

Start Date: 2014.09.24 @ 18:16:00

End Date: 2014.09.25 @ 07:05:45

Job Ticket #: 59359                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.01 @ 14:49:20

Glacier Petroleum Inc

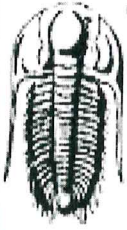
20-14s-10e Wabaunsee KS

Olsen #9

DST # 1

Simpson Sand

2014.09.24



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Glacier Petroleum Inc

**20-14s-10e Wabaunsee KS**

PO Box 577  
Emporia KS 66801

**Olsen #9**

Job Ticket: 59359

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2014.09.24 @ 18:16:00

## GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:32:00

Time Test Ended: 07:05:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: **3426.00 ft (KB) To 3433.00 ft (KB) (TVD)**

Total Depth: 3433.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1537.00 ft (KB)

1527.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8648**

**Inside**

Press@RunDepth: 16.06 psig @ 3430.00 ft (KB)

Start Date: 2014.09.24

End Date:

2014.09.25

Capacity: 8000.00 psig

Last Calib.: 2014.09.25

Start Time: 18:16:05

End Time:

07:05:45

Time On Btm: 2014.09.25 @ 01:31:45

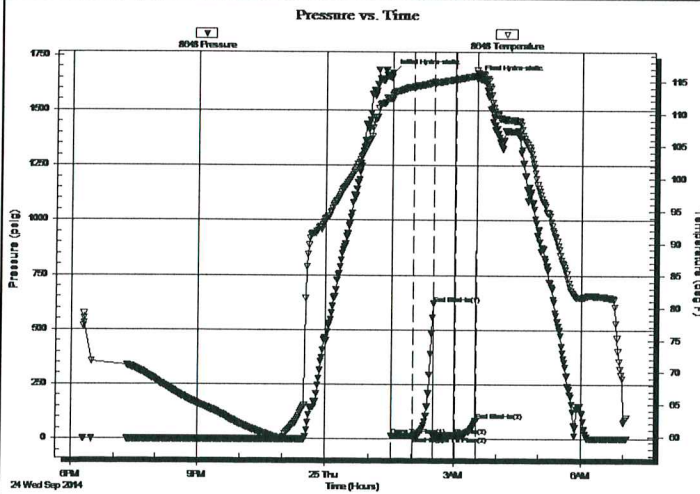
Time Off Btm: 2014.09.25 @ 03:30:45

TEST COMMENT: 30 - IF- 1/4" blow, died in 10 minutes

30 - IS- No return

30 - FF- No blow

30 - FS- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.64	112.88	Initial Hydro-static
1	12.70	112.19	Open To Flow (1)
31	15.07	114.18	Shut-In(1)
59	619.22	114.95	End Shut-In(1)
59	15.03	114.73	Open To Flow (2)
90	16.06	115.34	Shut-In(2)
119	82.49	115.93	End Shut-In(2)
119	1642.05	116.82	Final Hydro-static

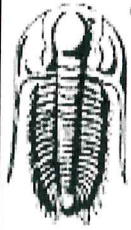
## Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud - Oil spots, 100%M	0.01

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Glacier Petroleum Inc  
PO Box 577  
Emporia KS 66801  
ATTN: Pat Deenihan

**20-14s-10e Wabaunsee KS**

**Olsen #9**

Job Ticket: 59359

**DST#: 1**

Test Start: 2014.09.24 @ 18:16:00

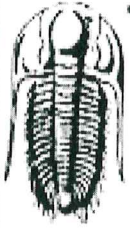
### Tool Information

Drill Pipe:	Length: 3077.00 ft	Diameter: 4.00 inches	Volume: 47.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 49.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3426.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	28.00 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			3406.00	
Shut In Tool	5.00			3411.00	
Hydraulic tool	5.00			3416.00	
Packer	5.00			3421.00	21.00 Bottom Of Top Packer
Packer	5.00			3426.00	
Stubb	1.00			3427.00	
Perforations	3.00			3430.00	
Recorder	0.00	8648	Inside	3430.00	
Recorder	0.00	8940	Outside	3430.00	
Bullnose	3.00			3433.00	7.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>28.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Glacier Petroleum Inc

**20-14s-10e Wabaunsee KS**

PO Box 577  
Emporia KS 66801

**Olsen #9**

Job Ticket: 59359

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2014.09.24 @ 18:16:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 39.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 3.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud - Oil spots, 100%M	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #. 8648

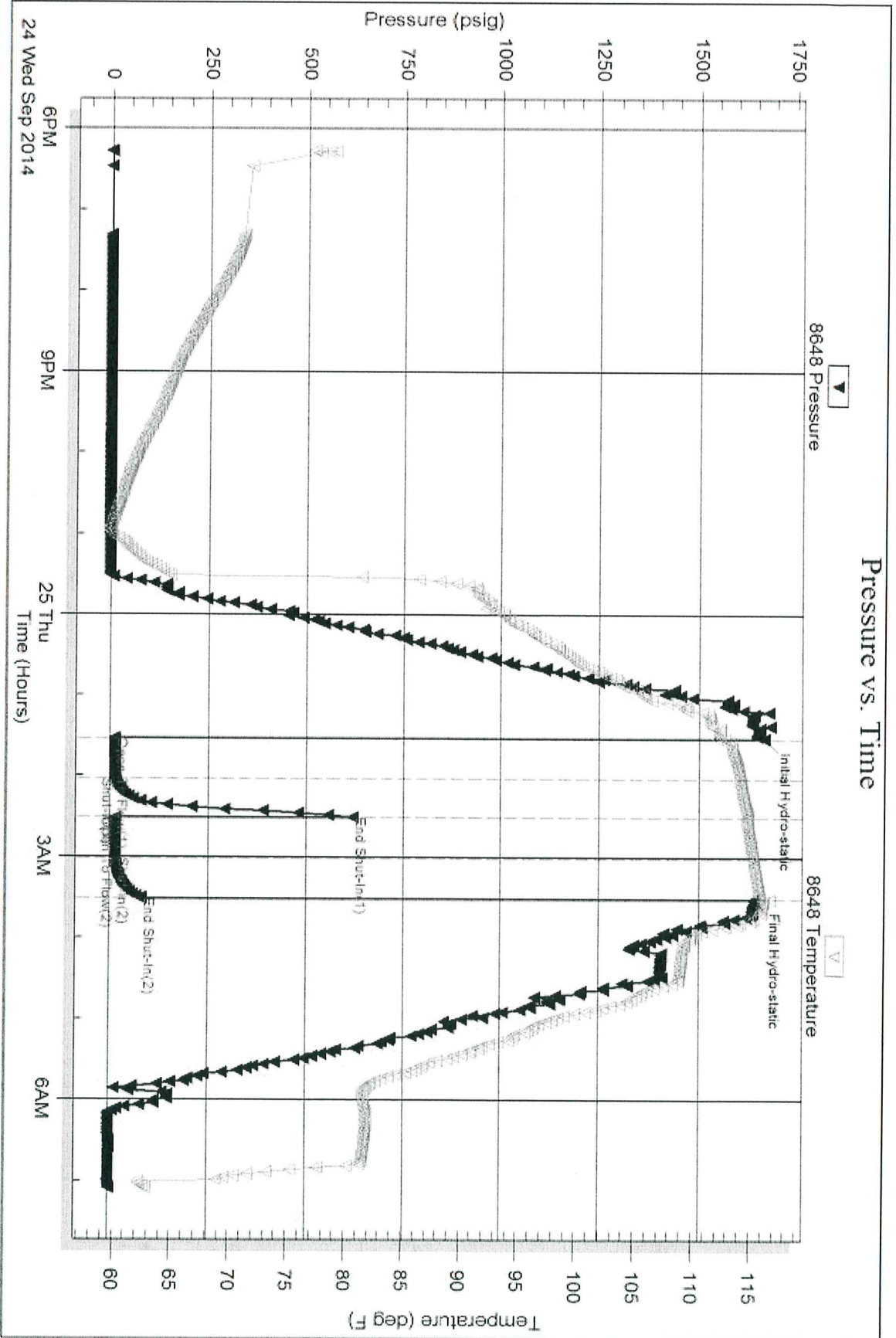
Inside

Glacier Petroleum Inc

Olsen #9

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59359

Printed: 2014: 12:01 @ 14:49:22

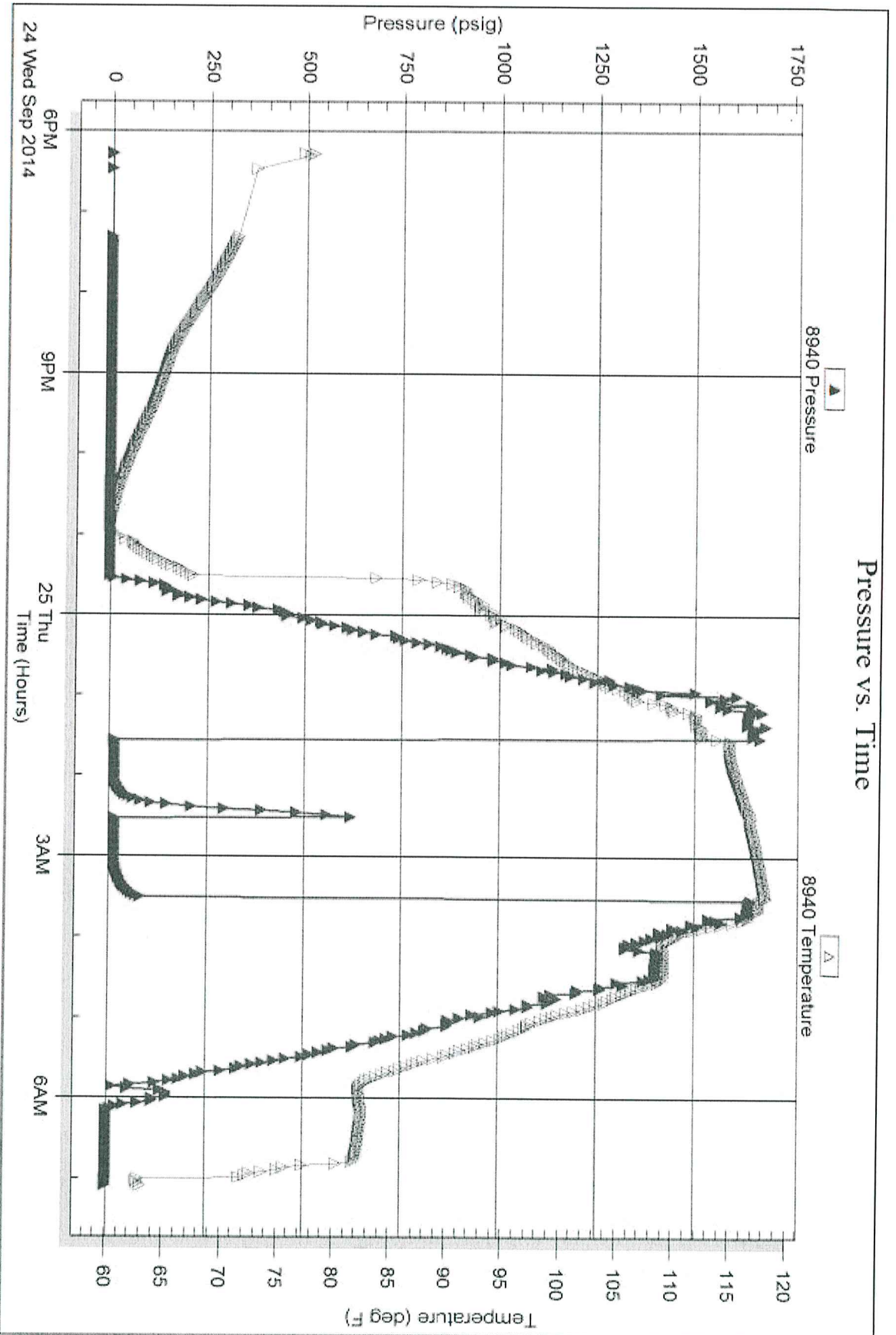


Serial #: 8940

Outside: Glacier Petroleum Inc

Olsen #9

DST Test Number: 1

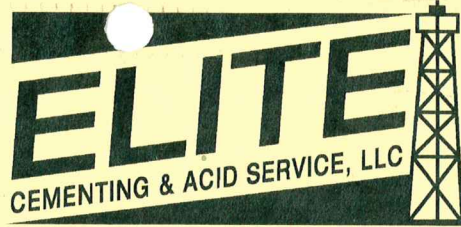


Triobelle Testing, Inc

Ref. No: 59359

Printed: 2014 12:01 @ 14:49:22

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **1647**  
 Foreman Steve Mead  
 Camp Eureka

API 15-197-20301

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
9-18-14	1001	Olson # 9	20	14S	10E	Wabaunsee	KS	
Customer Glacier Petroleum Co. Inc			Safety Meeting		Unit #	Driver	Unit #	Driver
Mailing Address P.O. Box 577					102	Chris B		
City Emporia					110	Scott		
State KS		Zip Code 66801						

Job Type Surface Hole Depth 375' Slurry Vol. \_\_\_\_\_ Tubing \_\_\_\_\_  
 Casing Depth 351' 6" Hole Size 12 1/4" Slurry Wt. \_\_\_\_\_ Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 8 5/8 24 1/2" Cement Left in Casing 25' Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 2 1/2 Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Soft Meeting. Rig up to 8 5/8 casing. Break circulation w/ Fresh water. 10 bbls water ahead. Mix 175 SKS Class A cement w/ 3% CaCl2 2% Gel. Displace w/ 21 1/2 bbls Fresh water. Shut well in. Good cement & Returns to surface 10 bbls to pit.  
Job Complete Rig down

Thank You

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	60	Mileage	3.95	237.00
	175 SKS	Class A Cement	15.00	2625.00
C205	450 #	3% CaCl2	.60	270.00
C206	300 #	2% Gel	.20	60.00
C108 B	7.05 Ton	Ton Mileage Bulk Truck	1.35	571.05
			Subtotal	4603.05
			7.65% Sales Tax	226.06
Authorization <u>[Signature]</u> Title _____			Total	4829.11

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

