



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1162061
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
-----------------------------------	-----------------	---

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: _____



1162061

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
--	---

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	Schulte 1-12
Doc ID	1162061

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction Log
Microresistivity Log
Borehole Compensated Sonic Log

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 09, 2013

Carmen Schmitt
Carmen Schmitt, Inc.
PO BOX 47
GREAT BEND, KS 67530-0047

Re: ACO1
API 15-051-26580-00-00
Schulte 1-12
NE/4 Sec.12-14S-16W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Carmen Schmitt

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6723

Date	8-28-13	Sec.	12	Twp.	14	Range	16	County	Ellis	State	KS	On Location	7.15pm	Finish		
Location													Gotham 5 to I 70 RD 1W			
Lease	Schulte			Well No.	1-12			Owner	V/S Winto							
Contractor	Muffin 16			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Type Job	Surface															
Hole Size	12 1/4			T.D.	220			Charge To	Carmen Schmitt							
Csg.	858			Depth												
Tbg. Size				Depth												
Tool				Depth												
Cement Left in Csg.	20ft			Shoe Joint	20ft			Cement Amount Ordered	160 ⁶⁹⁴⁰ com 3+2 =							
Meas Line				Displace	12.3400											
EQUIPMENT													Comm.	96		
Pumptrk	5	No.		Cementier	Matt			Pos.	164							
Bulktrk	3	No.		Driver	Lonniew			Gel.	3							
Bulktrk	pu	No.		Driver	Chad			Calcium	5							
JOB SERVICES & REMARKS													Hulls			
Remarks:												Salt				
Rat Hole												Flowseal				
Mouse Hole												Kol-Seal				
Centralizers												Mud CLR 48				
Baskets												CFL-117 or CD110 CAF 38				
D/V or Port Collar												Sand				
Cement did Circulate													Handling	168		
													Mileage			
FLOAT EQUIPMENT													Guide Shoe			
													Centralizer			
													Baskets			
													AFU Inserts			
													Float Shoe			
													Latch Down			
													Pumptrk Charge	Surface		
													Mileage	11		
													Tax			
													Discount			
													Total Charge			
X Signature	Ag. [Signature]															



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 8/28/2013
 Invoice # 6723

P.O.#:
 Due Date: 9/27/2013
 Division: Russell

Invoice

Contact:
 Carmen Schmitt Inc
Address/Job Location:
 Carmen Schmitt Inc
 P.O. Box 47
 Great Bend Ks 67530

Reference:
 SCHULTE 1-12

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	96	\$ 1,609.41	Yes				
POZ Mix-Standard	64	\$ 450.64	Yes				
Bulk Truck Matl-Material Service Charge	168	\$ 375.53	No				
Calcium Chloride	5	\$ 266.34	Yes				
Pump Truck Mileage-Job to Nearest Camp	11	\$ 122.70	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	11	\$ 71.80	No				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,971.54

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (595.73)

SubTotal for Taxable Items: \$ 2,023.82

SubTotal for Non-Taxable Items: \$ 1,351.98

Total: \$ 3,375.81

Tax: \$ 124.46

6.15% Ellis County Sales Tax

Amount Due: \$ 3,500.27

Applied Payments:

Balance Due: \$ 3,500.27

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.

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18128.0001 BKS
 710/43
 "Cement Surface csg"
 W215 File

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6723

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18128.0001 BKS
 710/43
 "Cement Surface csg"
 W215 File

OPERATOR

Company: CARMEN SCHMITT, INC.
 Address: P.O. BOX 47
 GREAT BEND, KANSAS 67530-0047

Contact Geologist: CARMEN SCHMITT
 Contact Phone Nbr: 620-793-5100
 Well Name: SCHULTE #1-12
 Location: NE NE SW NE SEC. 12 - 14S - 16W API: 15-051-26,580-00-00
 Pool: Wildcat Field: HAMMERSCHMIDT
 State: KANSAS Country: U.S.A.

Scale 1:240 Imperial

Well Name: SCHULTE #1-12
 Surface Location: NE NE SW NE SEC. 12 - 14S - 16W
 Bottom Location:
 API: 15-051-26,580-00-00
 License Number: 6569
 Spud Date: 8/28/2013 Time: 3:30 PM
 Region: ELLIS COUNTY
 Drilling Completed: 9/2/2013 Time: 6:00 PM
 Surface Coordinates: 1450' FNL & 1510' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1890.00ft
 K.B. Elevation: 1895.00ft
 Logged Interval: 2800.00ft To: 3457.00ft
 Total Depth: 3460.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.0444763 Latitude: 38.852487
 N/S Co-ord: 1450' FNL
 E/W Co-ord: 1510' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: Geologist Name: HERB DEINES / CHRIS NEELEY

CONTRACTOR

Contractor: MURFIN DRILLING CO., INC.
 Rig #: 16
 Rig Type: MUD ROTARY
 Spud Date: 8/28/2013 Time: 3:30 PM
 TD Date: 9/2/2013 Time: 6:00 PM
 Rig Release: 9/3/2013 Time: 5:30 PM

ELEVATIONS

K.B. Elevation: 1895.00ft Ground Elevation: 1890.00ft
 K.B. to Ground: 5.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL BASED ON NEGATIVE RESULTS OF FOUR DSTs AND A LACK OF RESERVOIR DEVELOPMENT.

OPEN HOLE LOGS BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG, BOREHOLE COMPENSATED SONIC LOG

DRILL STEM TESTS BY TRILOBITE TESTING INC: FOUR (4) CONVENTIONAL TESTS

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

SCHULTE # 1-12	SCHULTE # 3
1450' FNL & 1510' FEL, NE/4	NW SE NW
Sec. 12-14s-16w	Sec 12-14s-16w
1890' GL 1895' KB	Reference Well

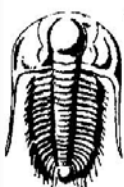
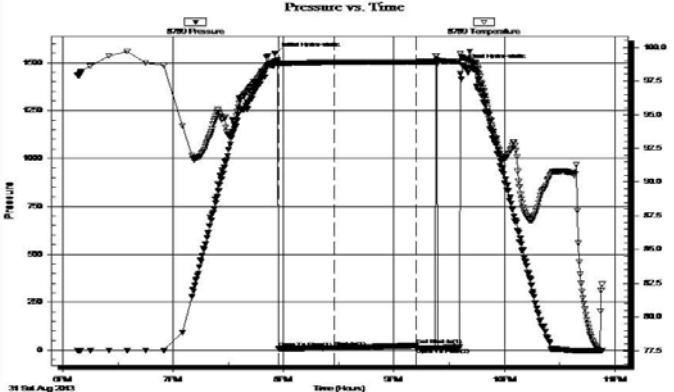
<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Anhydrite	980 + 915	975 + 920	+ 911
B-Anhydrite	1017+ 878	1013+ 882	+ 873
Topeka	2866 -971	2857 -962	- 966
Heebner Shale	3084-1189	3079-1184	-1186

Toronto	3102-1207	3096-1201	-1205
LKC	3129-1234	3132-1237	-1234
BKC	3366-1471	3364-1469	-1470
Rework Arb.		3394-1499	
Arbuckle	3399-1504	3405-1510	-1510
RTD	3460-1565		
LTD		3458-1563	

SUMMARY OF DAILY ACTIVITY

- 8-28-13 RU, spud 3:30 PM, set 8 5/8" surface pipe to 218' w/ 160sxs 60/40, 2%gel 3%CC, plug down 8:45 PM, WOC 8 hrs, survey ¼ degree
- 8-29-13 400', drilled plug at 4:45AM, drilling
- 8-30-13 2020', drilling, displaced 2679'-2745'
- 8-31-13 2930', drilling, CFS@3111', short trip, CFS 3142', DST # 1 3112-42
- 9-01-13 3197', CFS 3197', DST # 2 3142-97, "B" TO "E", LKC, CFS 3225, DST # 3 3190-3225', "F" TO "G" LKC
- 9-02-13 3320', CFS 3320', DST # 4, 3260'-3320' "H" TO "J" LKC, drilling, RTD at 3460' @7:36PM, mini trip, CCH, TOWB, start logging, survey 1/2
- 9-03-13 3460", finish logging, decision to P&A, LDDP and plug.

DST # 1 TEST SUMMARY 3112'-3142' "A" LKC

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT																														
	Carmen Schmitt Inc PO Box 47 Great Bend, KS 67530 ATTN: Herb Deines	12-14-16 Ellis, KS Schulte 1-12 Job Ticket: 54429 DST#: 1 Test Start: 2013.08.31 @ 18:08:00																													
GENERAL INFORMATION:																															
Formation: A Deviated: No Whipstock: ft (KB) Time Tool Opened: 19:57:15 Time Test Ended: 22:53:30		Test Type: Conventional Bottom Hole (Initial) Tester: Brannan L Unit No: 54																													
Interval: 3112.00 ft (KB) To 3142.00 ft (KB) (TVD) Total Depth: 3142.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair		Reference Elevations: 1895.00 ft (KB) 1890.00 ft (CF) KB to GR/CF: 5.00 ft																													
Serial #: 8789 Inside Press@RunDepth: 10.69 psig @ 3139.00 ft (KB) Capacity: 8000.00 psig Start Date: 2013.08.31 End Date: 2013.08.31 Last Calib.: 2013.08.31 Start Time: 18:08:02 End Time: 22:53:30 Time On Btm: 2013.08.31 @ 19:55:30 Time Off Btm: 2013.08.31 @ 21:37:00																															
TEST COMMENT: 30- IF- Weak surface blow that died immediatly 45- IS- No blow 10- FF- No blow flush tool no blow pulled tool																															
Pressure vs. Time 		PRESSURE SUMMARY																													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Time (Min.)</th> <th>Pressure (psig)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1545.98</td> <td>98.92</td> <td>Initial Hydro-static</td> </tr> <tr> <td>2</td> <td>8.84</td> <td>98.67</td> <td>Open To Flow (1)</td> </tr> <tr> <td>33</td> <td>10.69</td> <td>98.88</td> <td>Shut-In(1)</td> </tr> <tr> <td>77</td> <td>23.32</td> <td>98.90</td> <td>End Shut-In(1)</td> </tr> <tr> <td>77</td> <td>11.95</td> <td>98.89</td> <td>Open To Flow (2)</td> </tr> <tr> <td>102</td> <td>1487.25</td> <td>99.26</td> <td>Final Hydro-static</td> </tr> </tbody> </table>	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1545.98	98.92	Initial Hydro-static	2	8.84	98.67	Open To Flow (1)	33	10.69	98.88	Shut-In(1)	77	23.32	98.90	End Shut-In(1)	77	11.95	98.89	Open To Flow (2)	102	1487.25	99.26	Final Hydro-static	
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Trilobite Testing, Inc

Ref. No: 54429

Printed: 2013.09.01 @ 23:24:51

DST # 2 TEST SUMMARY 3142'-3197' "B" - "E" LKC

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		
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TRILOBITE TESTING, INC.

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

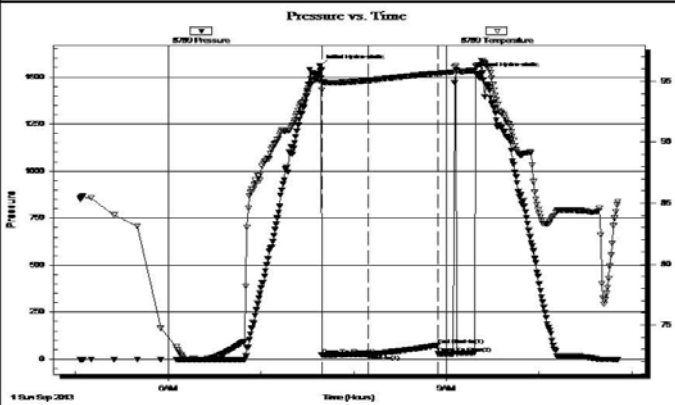
12-14-16 Ellis, KS
Schulte 1-12
Job Ticket: 54430
DST#: 2
Test Start: 2013.09.01 @ 05:03:00

GENERAL INFORMATION:

Formation: **B-E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:39:15
Time Test Ended: 10:51:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 54
Interval: **3142.00 ft (KB) To 3197.00 ft (KB) (TVD)**
Total Depth: 3197.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches-Hole Condition: Fair
Reference Elevations: 1895.00 ft (KB)
1890.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 Inside
Press@RunDepth: 25.24 psig @ 3193.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 05:03:02 End Time: 10:51:00
Capacity: 8000.00 psig
Last Calib.: 2013.09.01
Time On Btm: 2013.09.01 @ 07:38:00
Time Off Btm: 2013.09.01 @ 09:19:00

TEST COMMENT: 30- IF- Built to 1/2" and then died back to a surface blow
45- IS- No blow
10- FF- No blow flushed tool no blow pulled tool



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.50	95.14	Initial Hydro-static
2	19.44	94.31	Open To Flow (1)
32	25.24	95.07	Shut-In(1)
77	73.67	95.65	End Shut-In(1)
77	28.62	95.63	Open To Flow (2)
101	1519.23	96.24	Final Hydro-static

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.02

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

DST # 3 TEST SUMMARY 3190'-3225' "F" - "G" LKC



TRILOBITE TESTING, INC.

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

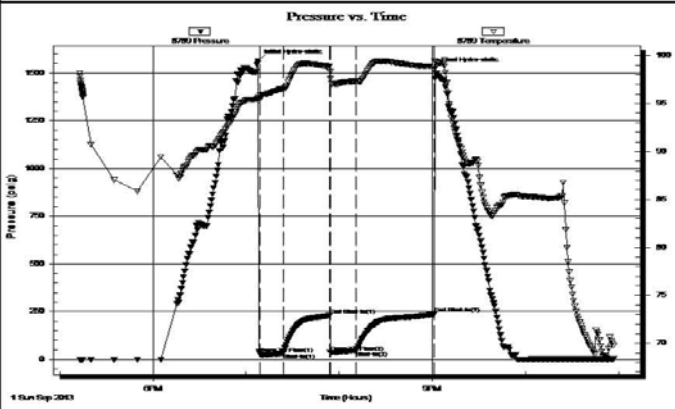
12-14-16 Ellis, KS
Schulte 1-12
Job Ticket: 54431
DST#: 3
Test Start: 2013.09.01 @ 17:13:00

GENERAL INFORMATION:

Formation: **F&G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:08:45
Time Test Ended: 22:56:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 54
Interval: **3190.00 ft (KB) To 3225.00 ft (KB) (TVD)**
Total Depth: 3225.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches-Hole Condition: Fair
Reference Elevations: 1895.00 ft (KB)
1890.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 Inside
Press@RunDepth: 45.65 psig @ 3222.00 ft (KB)
Start Date: 2013.09.01 End Date: 2013.09.01
Start Time: 17:13:02 End Time: 22:56:30
Capacity: 8000.00 psig
Last Calib.: 2013.09.01
Time On Btm: 2013.09.01 @ 19:07:30
Time Off Btm: 2013.09.01 @ 21:01:30


TEST COMMENT: 15- IF- BOB 1min
30- IS- No blow
15- FF- BOB immediatly
45- FS- No blow



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.82	95.67	Initial Hydro-static
2	27.47	95.55	Open To Flow (1)
17	32.79	96.54	Shut-In(1)
47	229.54	98.89	End Shut-In(1)
47	37.53	98.34	Open To Flow (2)
64	45.65	97.33	Shut-In(2)
114	237.81	98.90	End Shut-In(2)
114	1522.22	99.43	Final Hydro-static

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O 95% M	0.41
60.00	GMVO, 5%M 20%W 20%G 55%O	0.82
0.00	390' GIP	0.00

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



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14-16 Ellis, KS
Schulte 1-12
Job Ticket: 54432 **DST#: 4**
Test Start: 2013.09.02 @ 06:10:00

GENERAL INFORMATION:

Formation: **HIJ**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:45:00
 Time Test Ended: 12:05:15

Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 54

Interval: **3260.00 ft (KB) To 3320.00 ft (KB) (TVD)**
 Total Depth: 3320.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

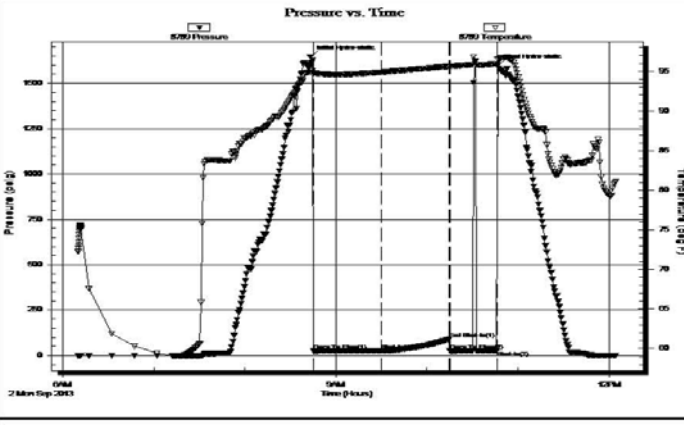
Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8789 Inside

Press@RunDepth: 24.90 psig @ 3316.00 ft (KB)
 Start Date: 2013.09.02 End Date: 2013.09.02
 Start Time: 06:10:02 End Time: 12:05:15

Capacity: 8000.00 psig
 Last Calib.: 2013.09.02
 Time On Btm: 2013.09.02 @ 08:43:00
 Time Off Btm: 2013.09.02 @ 10:46:45

TEST COMMENT: 45- IF- Built to .25" then died back to surface blow
 45- IS- No blow
 15- FF- No blow flushed tool no blow pulled tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.54	94.89	Initial Hydro-static
2	24.38	94.68	Open To Flow (1)
47	24.90	94.89	Shut-In(1)
92	89.62	95.64	End Shut-In(1)
92	25.24	95.61	Open To Flow (2)
124	26.47	95.98	Shut-In(2)
124	1599.40	96.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.07

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

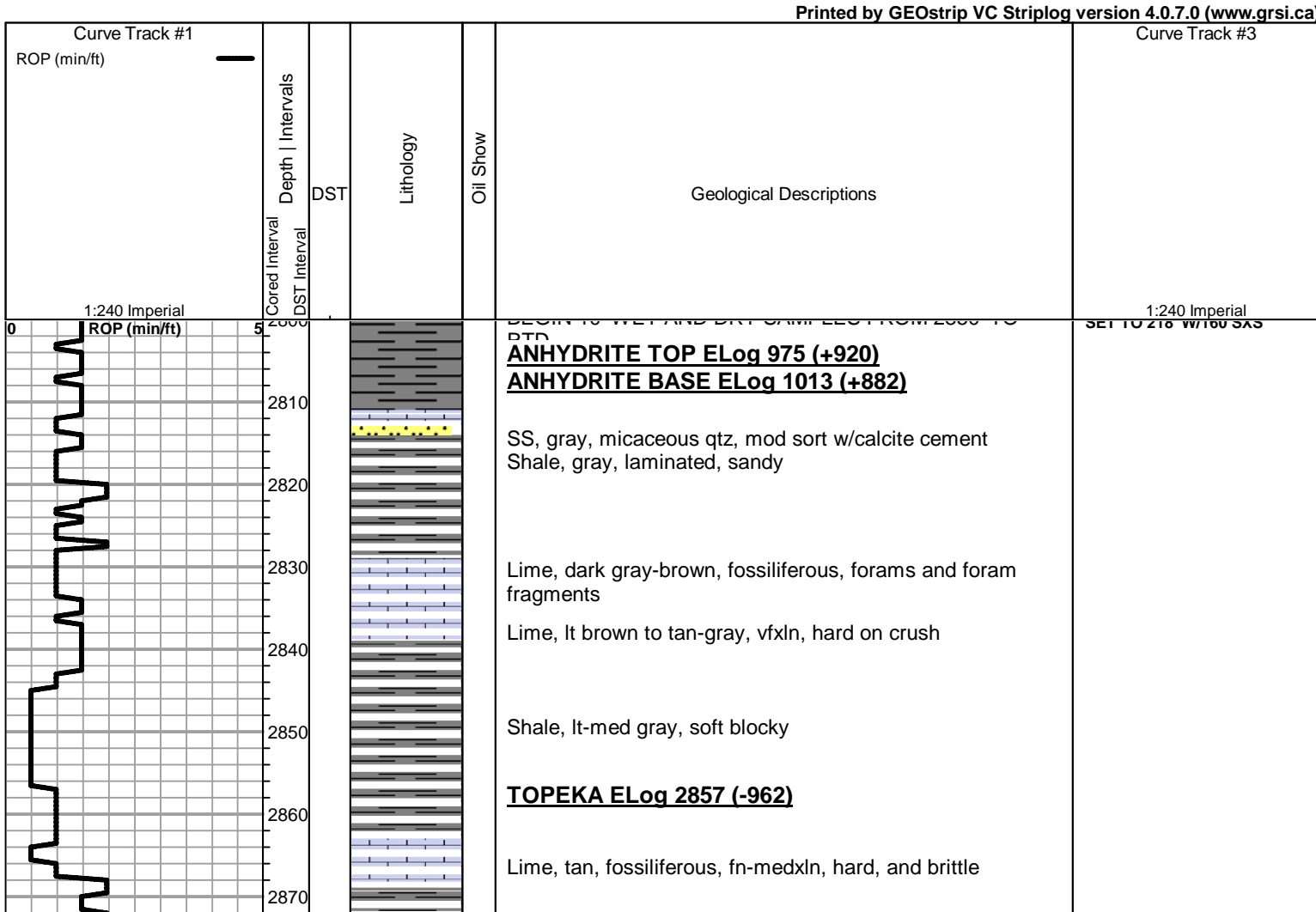
Recovery from multiple tests
 Triobite Testing, Inc Ref. No: 54432 Printed: 2013.09.02 @ 12:40:57

ROCK TYPES

Clystgy	Dolprim	Lmst fw7>	shale, gry
Clystcol	Dolsec	Lscongl	Carbon Sh
Congl	Lmst fw<7	shale, grn	shale, red
			Ss

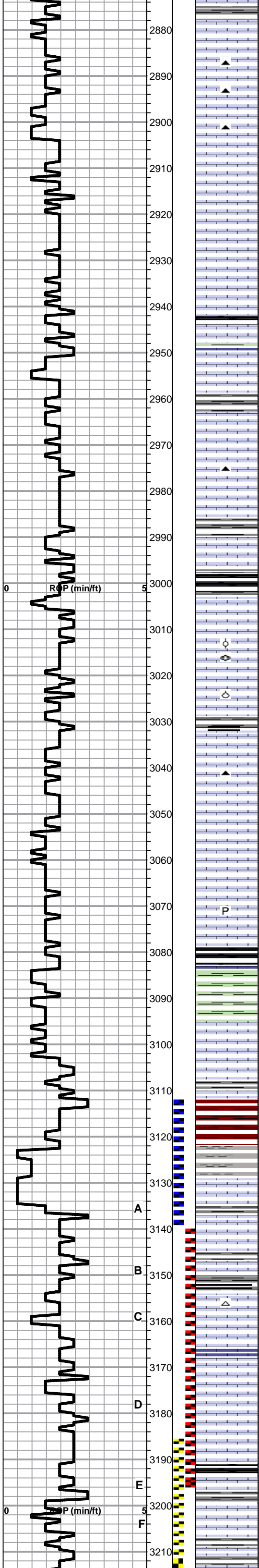
ACCESSORIES

<p>MINERAL</p> <ul style="list-style-type: none"> ▲ Chert, dark P Pyrite △ Chert White 	<p>FOSSIL</p> <ul style="list-style-type: none"> ◇ Brachiopod ○ Crinoids ◇ Oolite ◇ Fossilinid 	<p>STRINGER</p> <ul style="list-style-type: none"> ■ Sandstone ■ carb shale
--	---	--



ANHYDRITE TOP ELog 975 (+920)
ANHYDRITE BASE ELog 1013 (+882)

TOPEKA ELog 2857 (-962)



Lime, lt gray, fxln

Lime, lt gray mottled with dark grey, trashy, and fossiliferous
Lime, tan, fossiliferous packstone

Chert, dark gray to black, cryptoxn
Chalk, off-white soft bedded

Lime, gray, fxln, w/med xln calcite fill in fractures

Lime, vfxln, hard on crush

Lime, brown, vfxln, hard on crush, cherty in part

Lime, cream-tan, fossiliferous, slightly oolitic, soft on crush, chalky in part

Shale, black, carbonaceous

Lime, off-white to faintly green, clean and hard

Lime, tan, vfxln, very well indurated

Lime, tan-cream, dense, angular chips, hard on crush

Lime, gray, fxln, hard, and brittle

Shale, black carbonaceous
Lime, dark gray, fossiliferous, cherty in part

Lime, lt gray, fossiliferous, minor amounts of chalk

Chert, lt brown, oolitic
Lime, tan, slightly oolitic, hard on crush

Lime, gray to tan, vfxln to dense, fossiliferous, hard on crush

Shale, dark gray, platy, waxy, few chips of black carbonaceous

Lime, off-white, gritty, spotty stain, reddish brown oil on crush

Lime, tan-cream, granular, chalky in part

Lime, tan, vfxln, soft on crush

Lime, brown, fxln to dense, oolitic and fossiliferous, hard

HEEBNER SHALE ELog 3078 (-1184)
Shale, black, hard, carbonaceous

Shale, sea green, soft

TORONTO ELog 3096 (-1201)
Lime, lt tan, slightly chalky, with chalk wash

Lime, lt tan, fxln, clean, barren, hard on crush

LKC ELog 3132 (-1237)

Lime, tan, sucrosic, consistent pinpoint to vuggy porosity, free oil in tray, brown stain within pores, oil on crush

Lime, tan, fxln with coarse subhedral crystals within fractures and vugs, stained, oil on crush

Shale, varicolored, with black stringers

Lime, cream, vfxln, with dark grey ooids, tight

Lime, cream-tan, fossiliferous, vuggy porosity

Lime, cream, oolitic porosity, with good stain, and lively light oil on crush in one chip.

Lime, gray, fxln, hard on crush

Shale, green and dark gray with black stringers
Lime, gray to pale green, vfxln, brittle and hard

Lime, tan, fxln, oolitic to ollicastic, intergranular porosity with significant calcite secondary mineralization

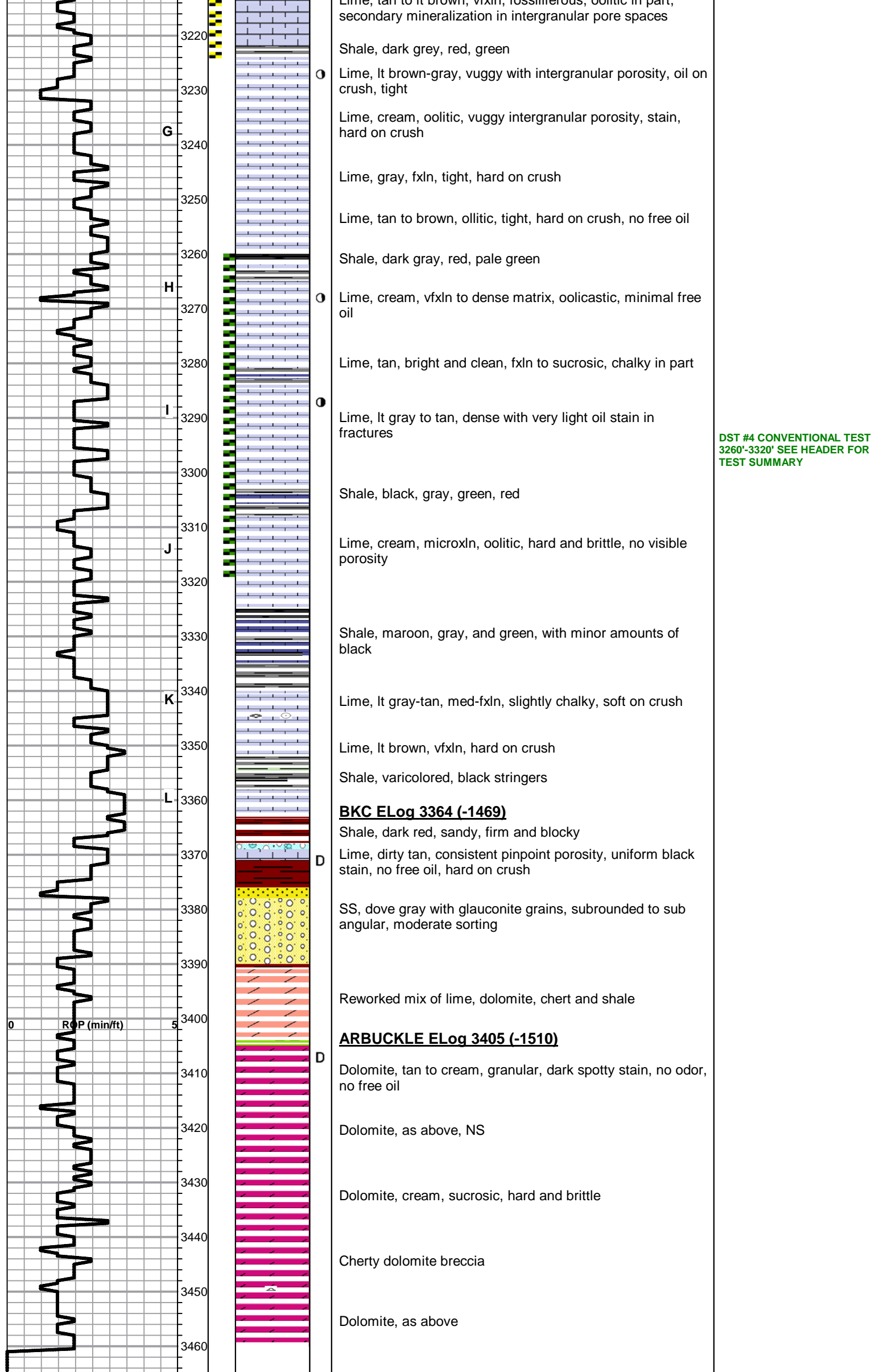
Lime, tan to lt brown, vfxln, fossiliferous, oolitic in part

DST #1 CONVENTIONAL
TEST 3112'-3142' SEE
HEADER FOR TEST
SUMMARY

PIPE STRAP @3112'
STRAP 3112.01
BOARD 3111.76
.25 LONG

DST #2 CONVENTIONAL
TEST 3142'-3197' SEE
HEADER FOR TEST
SUMMARY

DST #3 CONVENTIONAL
TEST 3190'-3225" SEE
HEADER FOR SUMMARY





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Herb Deines

Schulte #1-12

12-14s-16w Ellis,KS

Start Date: 2013.08.31 @ 18:08:00

End Date: 2013.08.31 @ 22:53:30

Job Ticket #: 54429 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.05 @ 13:19:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54429 **DST#: 1**
 Test Start: 2013.08.31 @ 18:08:00

GENERAL INFORMATION:

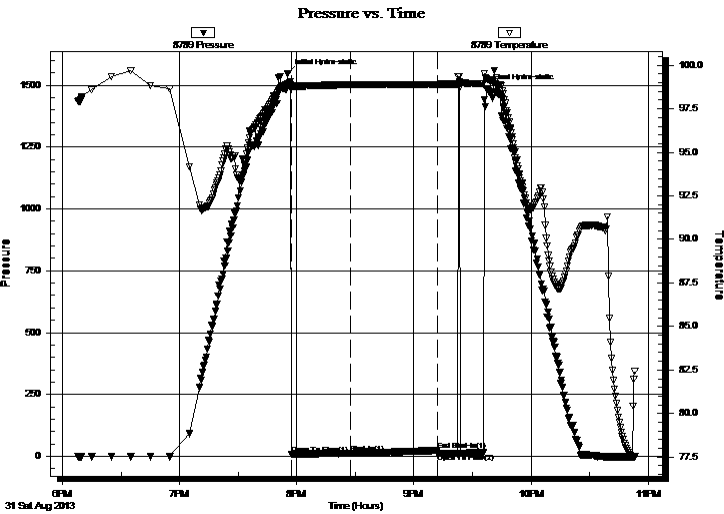
Formation: **A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:57:15
 Time Test Ended: 22:53:30
 Interval: **3112.00 ft (KB) To 3142.00 ft (KB) (TVD)**
 Total Depth: 3142.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan L
 Unit No: 54
 Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ RunDepth: 10.69 psig @ 3139.00 ft (KB)
 Start Date: 2013.08.31 End Date: 2013.08.31
 Start Time: 18:08:02 End Time: 22:53:30
 Capacity: 8000.00 psig
 Last Calib.: 2013.08.31
 Time On Btm: 2013.08.31 @ 19:55:30
 Time Off Btm: 2013.08.31 @ 21:37:00

TEST COMMENT: 30- IF- Weak surface blow that died immediatly
 45- IS- No blow
 10- FF- No blow flush tool no blow pulled tool



PRESSURE SUMMARY

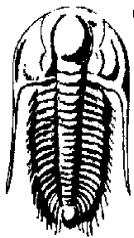
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1545.98	98.92	Initial Hydro-static
2	8.84	98.67	Open To Flow (1)
33	10.69	98.88	Shut-In(1)
77	23.32	98.90	End Shut-In(1)
77	11.95	98.89	Open To Flow (2)
102	1487.25	99.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	M, 100%M	0.01

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS

Schulte #1-12

Job Ticket: 54429

DST#: 1

Test Start: 2013.08.31 @ 18:08:00

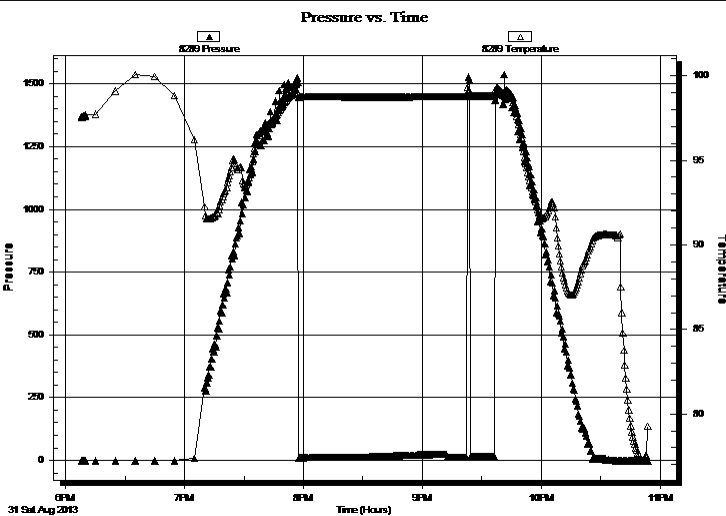
GENERAL INFORMATION:

Formation: **A**
Deviated: **No** Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 19:57:15
Tester: Brannan L
Time Test Ended: 22:53:30
Unit No: 54
Interval: **3112.00 ft (KB) To 3142.00 ft (KB) (TVD)**
Reference Elevations: 1895.00 ft (KB)
Total Depth: 3142.00 ft (KB) (TVD) 1890.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8289

Press @RunDepth:	psig @	ft (KB)	Capacity:	8000.00 psig	
Start Date:	2013.08.31	End Date:	2013.08.31	Last Calib.:	2013.08.31
Start Time:	18:08:02	End Time:	22:53:45	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30- IF- Weak surface blow that died immediatly
45- IS- No blow
10- FF- No blow flush tool no blow pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
2.00	M, 100%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54429 **DST#: 1**
Test Start: 2013.08.31 @ 18:08:00

Tool Information

Drill Pipe:	Length: 3074.00 ft	Diameter: 3.75 inches	Volume: 41.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3112.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 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			3092.00	
Shut In Tool	5.00			3097.00	
Hydraulic tool	5.00			3102.00	
Packer	5.00			3107.00	21.00 Bottom Of Top Packer
Packer	5.00			3112.00	
Stubb	1.00			3113.00	
Perforations	26.00			3139.00	
Recorder	0.00	8789	Inside	3139.00	
Recorder	0.00	6668	Outside	3139.00	
Bullnose	3.00			3142.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54429 **DST#: 1**
Test Start: 2013.08.31 @ 18:08:00

Mud and Cushion Information

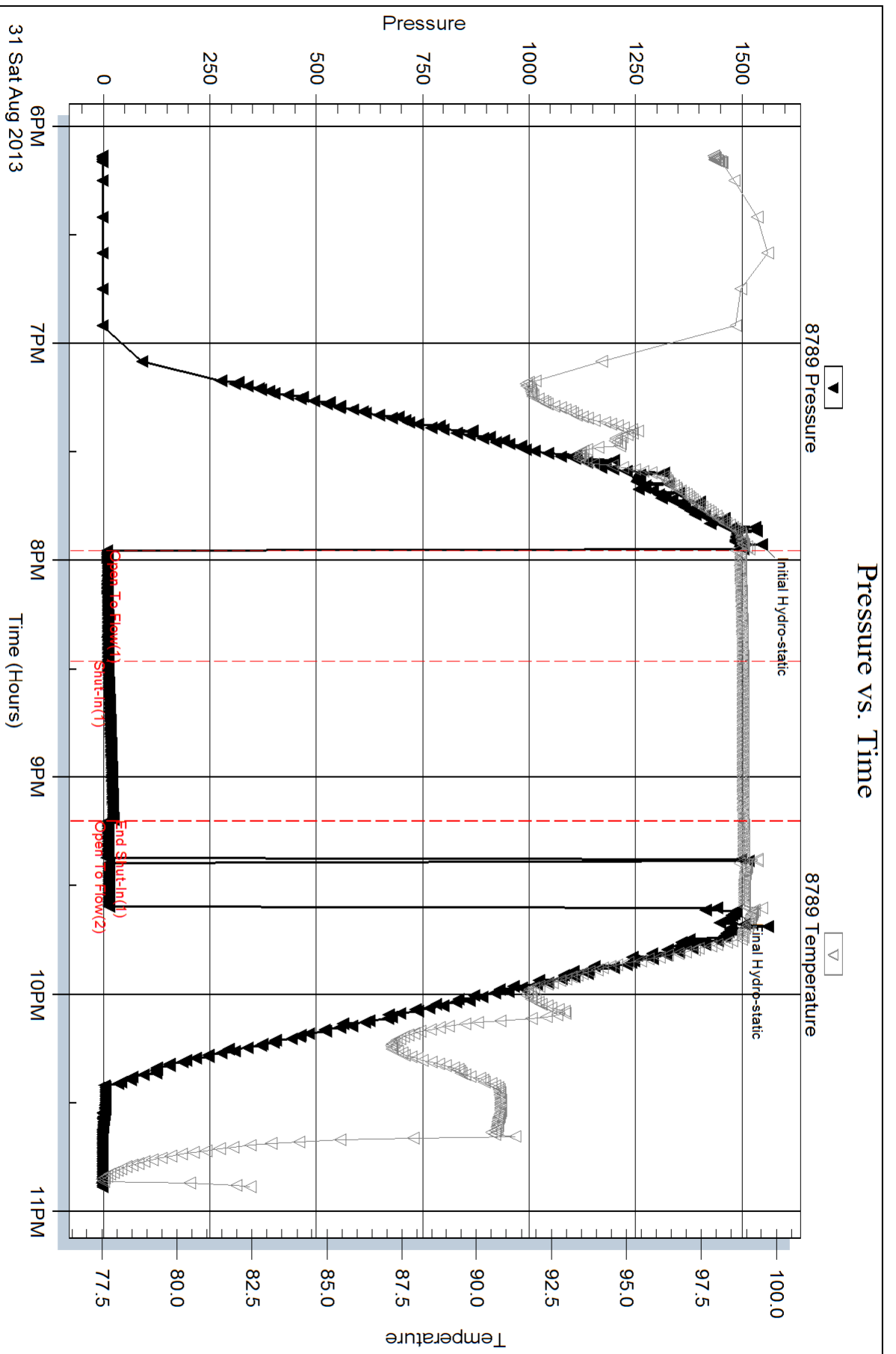
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

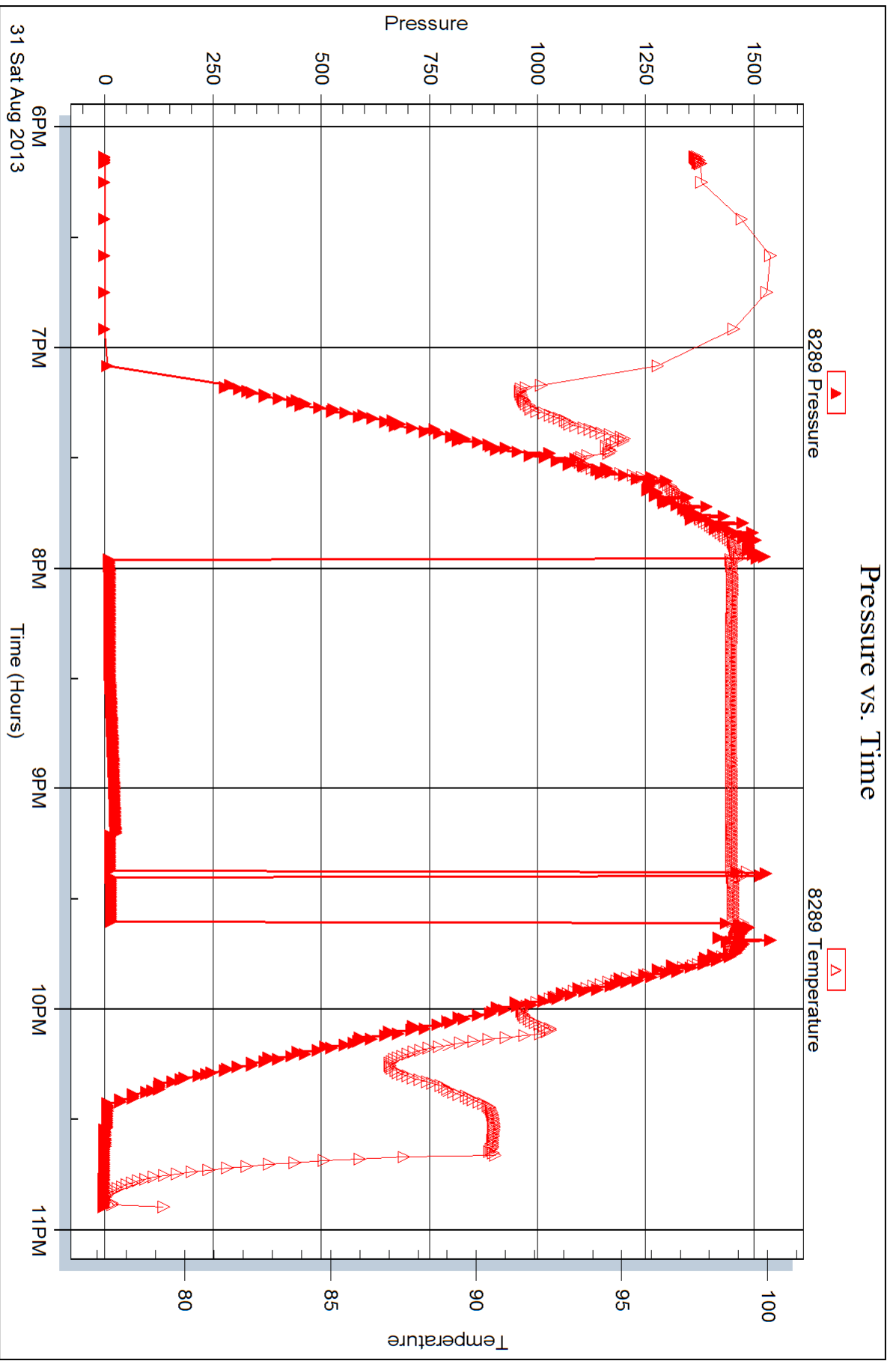
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	M, 100%M	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:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Herb Deines

Schulte #1-12

12-14s-16w Ellis,KS

Start Date: 2013.09.01 @ 05:03:00

End Date: 2013.09.01 @ 10:51:00

Job Ticket #: 54430 DST #: 2

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

Printed: 2013.09.05 @ 13:19:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54430 **DST#: 2**
 Test Start: 2013.09.01 @ 05:03:00

GENERAL INFORMATION:

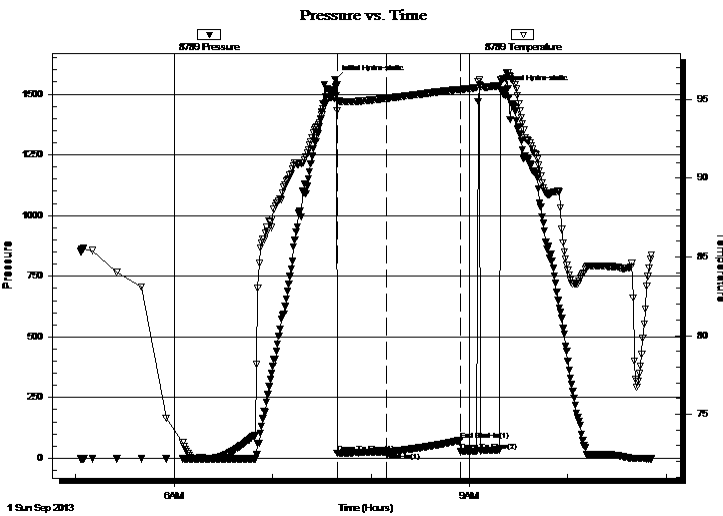
Formation: **B-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:39:15
 Time Test Ended: 10:51:00
Interval: 3142.00 ft (KB) To 3197.00 ft (KB) (TVD)
 Total Depth: 3197.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 54
 Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 25.24 psig @ 3193.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.01 End Date: 2013.09.01 Last Calib.: 2013.09.01
 Start Time: 05:03:02 End Time: 10:51:00 Time On Btm: 2013.09.01 @ 07:38:00
 Time Off Btm: 2013.09.01 @ 09:19:00

TEST COMMENT: 30- IF- Built to 1/2" and then died back to a surface blow
 45- IS- No blow
 10- FF- No blow flushed tool no blow pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.50	95.14	Initial Hydro-static
2	19.44	94.31	Open To Flow (1)
32	25.24	95.07	Shut-In(1)
77	73.67	95.65	End Shut-In(1)
77	28.62	95.63	Open To Flow (2)
101	1519.23	96.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54430 **DST#: 2**
 Test Start: 2013.09.01 @ 05:03:00

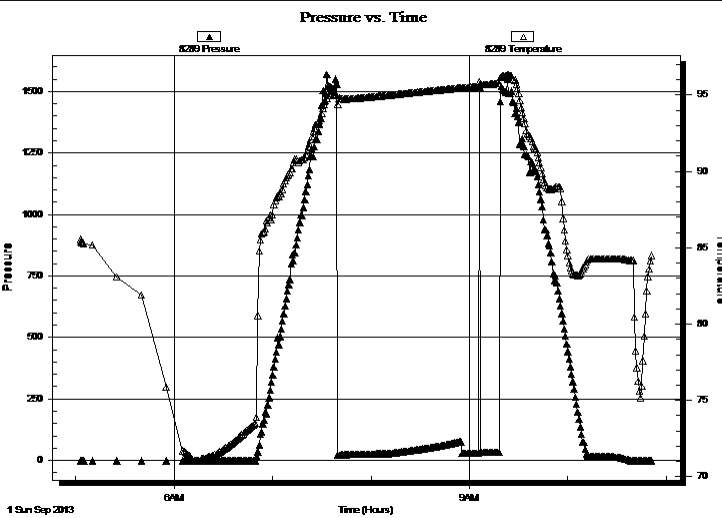
GENERAL INFORMATION:

Formation: **B-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:39:15
 Time Test Ended: 10:51:00
 Interval: **3142.00 ft (KB) To 3197.00 ft (KB) (TVD)**
 Total Depth: 3197.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 54
 Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8289

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.01 End Date: 2013.09.01 Last Calib.: 2013.09.01
 Start Time: 05:03:02 End Time: 10:51:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Built to 1/2" and then died back to a surface blow
 45- IS- No blow
 10- FF- No blow flushed tool no blow pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54430 **DST#: 2**
Test Start: 2013.09.01 @ 05:03:00

Tool Information

Drill Pipe:	Length: 3106.00 ft	Diameter: 3.75 inches	Volume: 42.43 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3142.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	76.00 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			3122.00	
Shut In Tool	5.00			3127.00	
Hydraulic tool	5.00			3132.00	
Packer	5.00			3137.00	21.00 Bottom Of Top Packer
Packer	5.00			3142.00	
Stubb	1.00			3143.00	
Perforations	17.00			3160.00	
Change Over Sub	1.00			3161.00	
Drill Pipe	32.00			3193.00	
Recorder	0.00	8789	Inside	3193.00	
Recorder	0.00	6668	Outside	3193.00	
Change Over Sub	1.00			3194.00	
Bullnose	3.00			3197.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54430 **DST#: 2**
Test Start: 2013.09.01 @ 05:03:00

Mud and Cushion Information

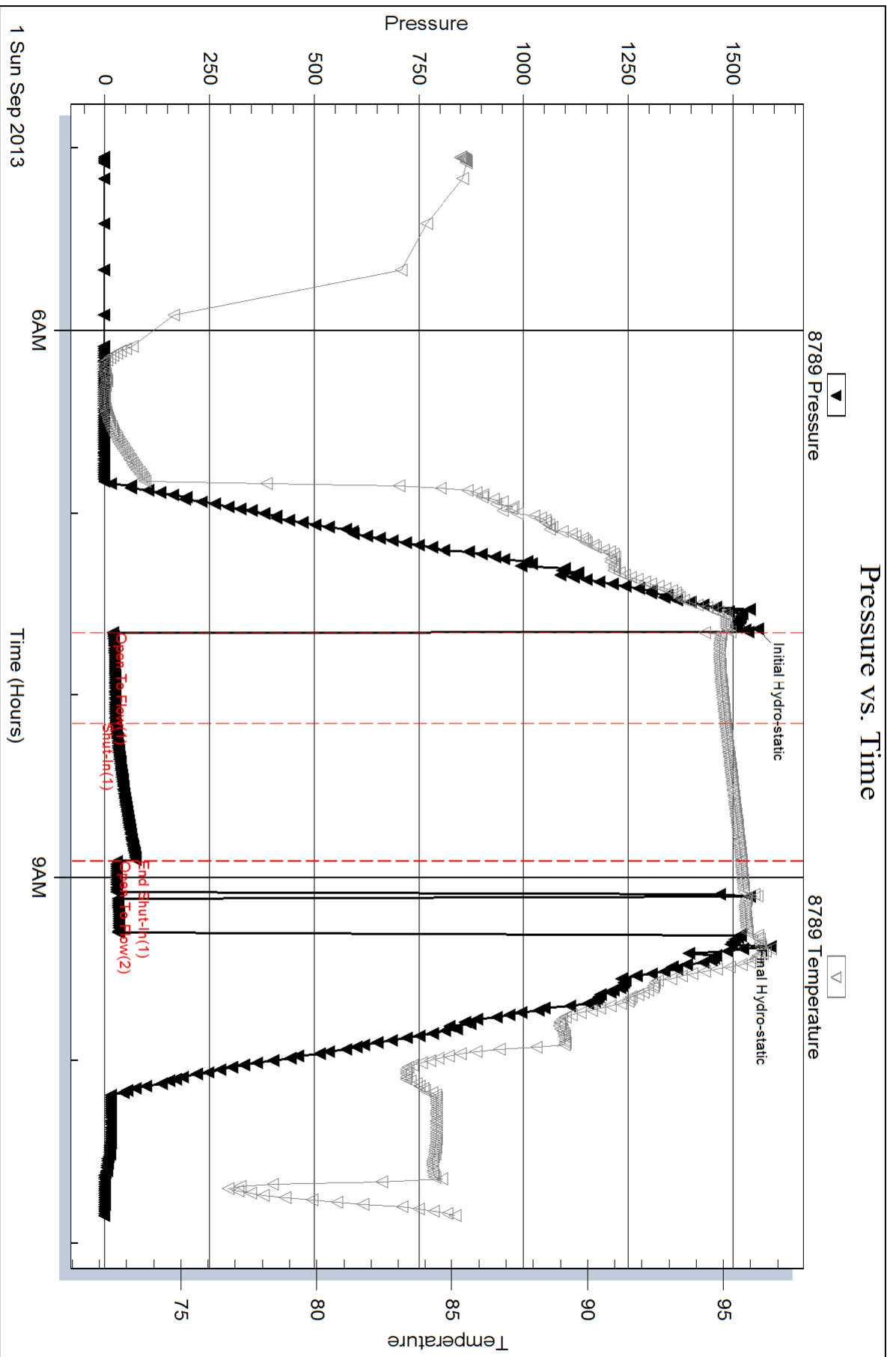
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: inches			

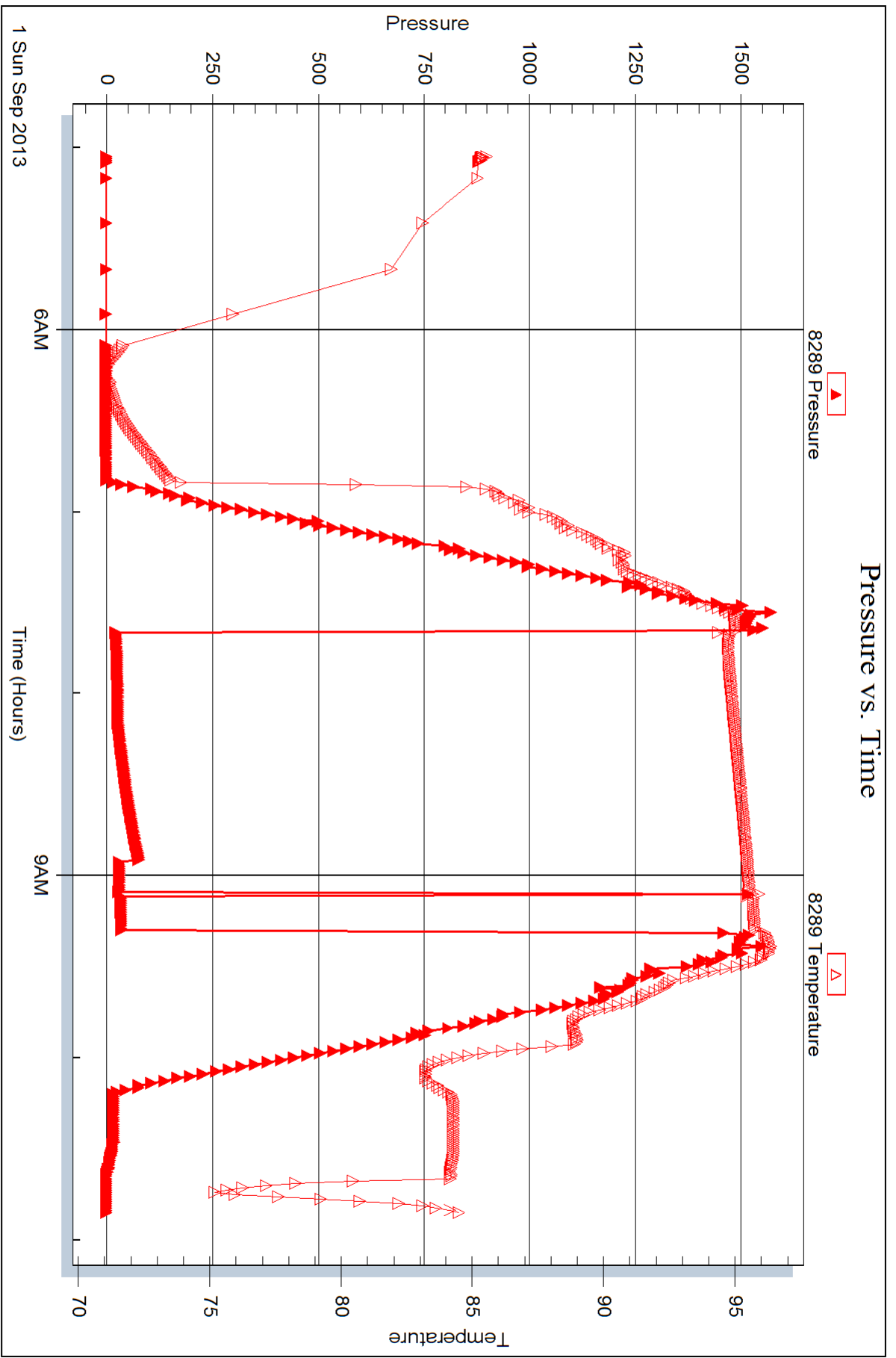
Recovery Information

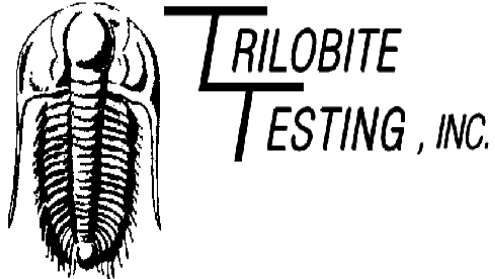
Recovery Table

Length ft	Description	Volume bbl
5.00	M, 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Herb Deines

Schulte #1-12

12-14s-16w Ellis,KS

Start Date: 2013.09.01 @ 17:13:00

End Date: 2013.09.01 @ 22:56:30

Job Ticket #: 54431 DST #: 3

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

Printed: 2013.09.05 @ 13:18:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54431 **DST#: 3**
 Test Start: 2013.09.01 @ 17:13:00

GENERAL INFORMATION:

Formation: **F&G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:08:45
 Time Test Ended: 22:56:30
 Interval: **3190.00 ft (KB) To 3225.00 ft (KB) (TVD)**
 Total Depth: 3225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 54
 Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

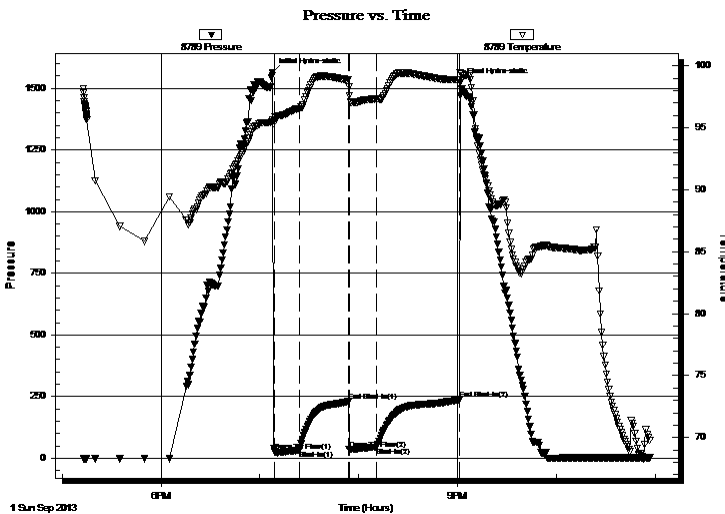
Serial #: 8789

Inside

Press @ Run Depth: 45.65 psig @ 3222.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.01 End Date: 2013.09.01 Last Calib.: 2013.09.01
 Start Time: 17:13:02 End Time: 22:56:30 Time On Btm: 2013.09.01 @ 19:07:30
 Time Off Btm: 2013.09.01 @ 21:01:30

TEST COMMENT: 15- IF- BOB 1min
 30- IS- No blow
 15- FF- BOB immediatly
 45- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.82	95.67	Initial Hydro-static
2	27.47	95.55	Open To Flow (1)
17	32.79	96.54	Shut-In(1)
47	229.54	98.89	End Shut-In(1)
47	37.53	98.34	Open To Flow (2)
64	45.65	97.33	Shut-In(2)
114	237.81	98.90	End Shut-In(2)
114	1522.22	99.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O 95%M	0.41
60.00	GMWO, 5%M 20%W 20%G 55%O	0.82
0.00	390' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54431 **DST#: 3**
 Test Start: 2013.09.01 @ 17:13:00

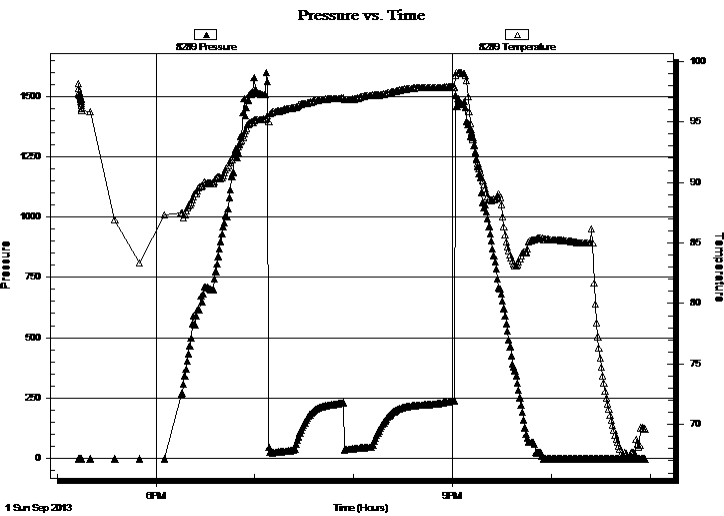
GENERAL INFORMATION:

Formation: F&G	Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:08:45	Time Test Ended: 22:56:30	Tester: Brannan L
Interval: 3190.00 ft (KB) To 3225.00 ft (KB) (TVD)	Total Depth: 3225.00 ft (KB) (TVD)	Unit No: 54
Hole Diameter: 7.88 inches	Hole Condition: Fair	Reference Elevations: 1895.00 ft (KB) 1890.00 ft (CF)
		KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3222.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.09.01 End Date: 2013.09.01	Last Calib.: 2013.09.01
Start Time: 17:13:02 End Time: 22:56:30	Time On Btm:
	Time Off Btm:

TEST COMMENT: 15- IF- BOB 1min
 30- ISI- No blow
 15- FF- BOB immediatly
 45- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O 95%M	0.41
60.00	GMWO, 5%M 20%W 20%G 55%O	0.82
0.00	390' 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

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54431 **DST#: 3**
Test Start: 2013.09.01 @ 17:13:00

Tool Information

Drill Pipe:	Length: 3199.00 ft	Diameter: 3.75 inches	Volume: 43.70 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3190.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 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
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Change Over Sub	1.00			3170.00	
Shut In Tool	5.00			3175.00	
Hydraulic tool	5.00			3180.00	
Packer	5.00			3185.00	21.00 Bottom Of Top Packer
Packer	5.00			3190.00	
Stubb	1.00			3191.00	
Perforations	31.00			3222.00	
Recorder	0.00	8789	Inside	3222.00	
Recorder	0.00	8289	Outside	3222.00	
Bullnose	3.00			3225.00	35.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54431 **DST#: 3**
Test Start: 2013.09.01 @ 17:13:00

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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: inches			

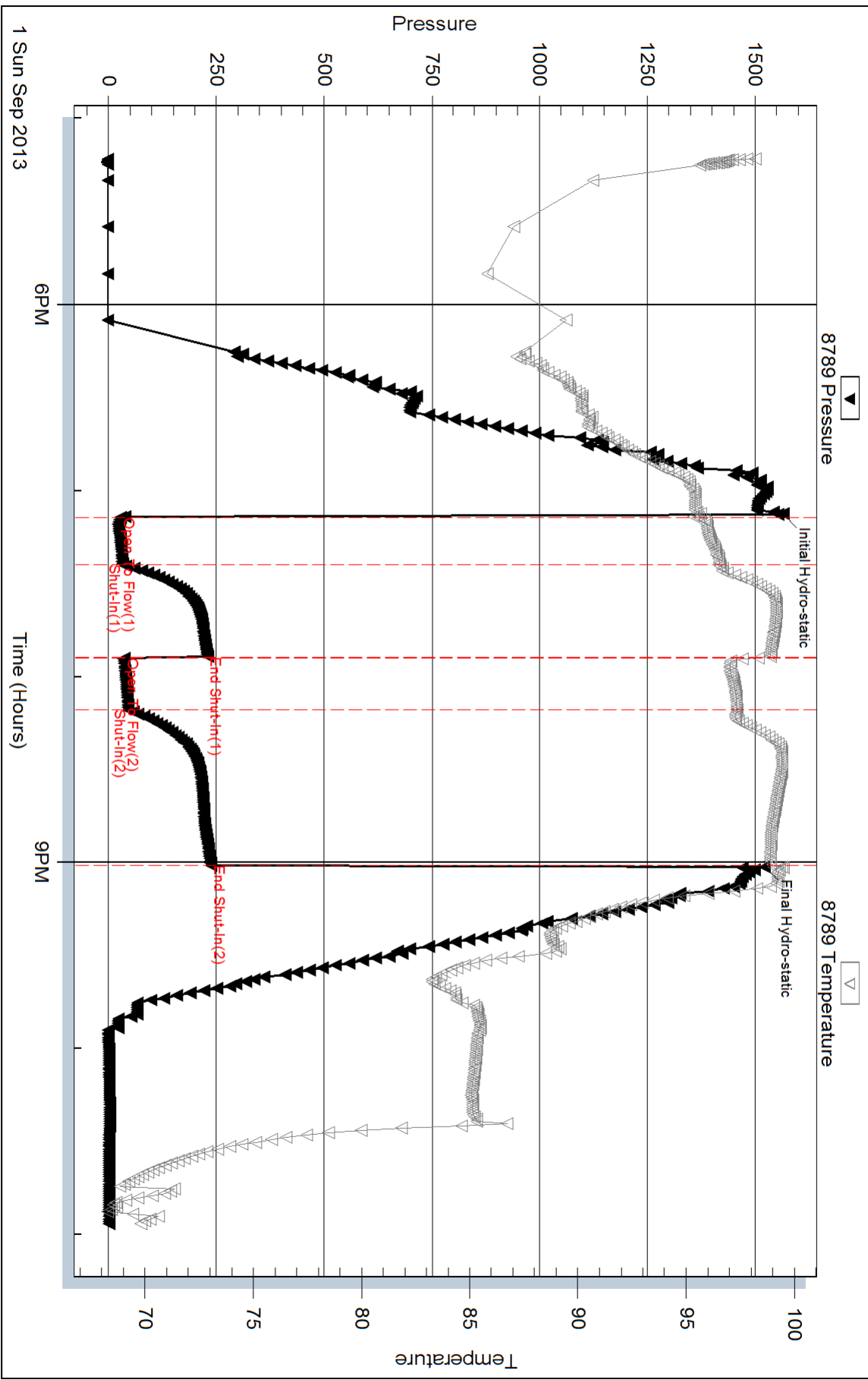
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM, 5%O 95%M	0.410
60.00	GMWO, 5%M 20%W 20%G 55%O	0.820
0.00	390' GIP	0.000

Total Length: 90.00 ft Total Volume: 1.230 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



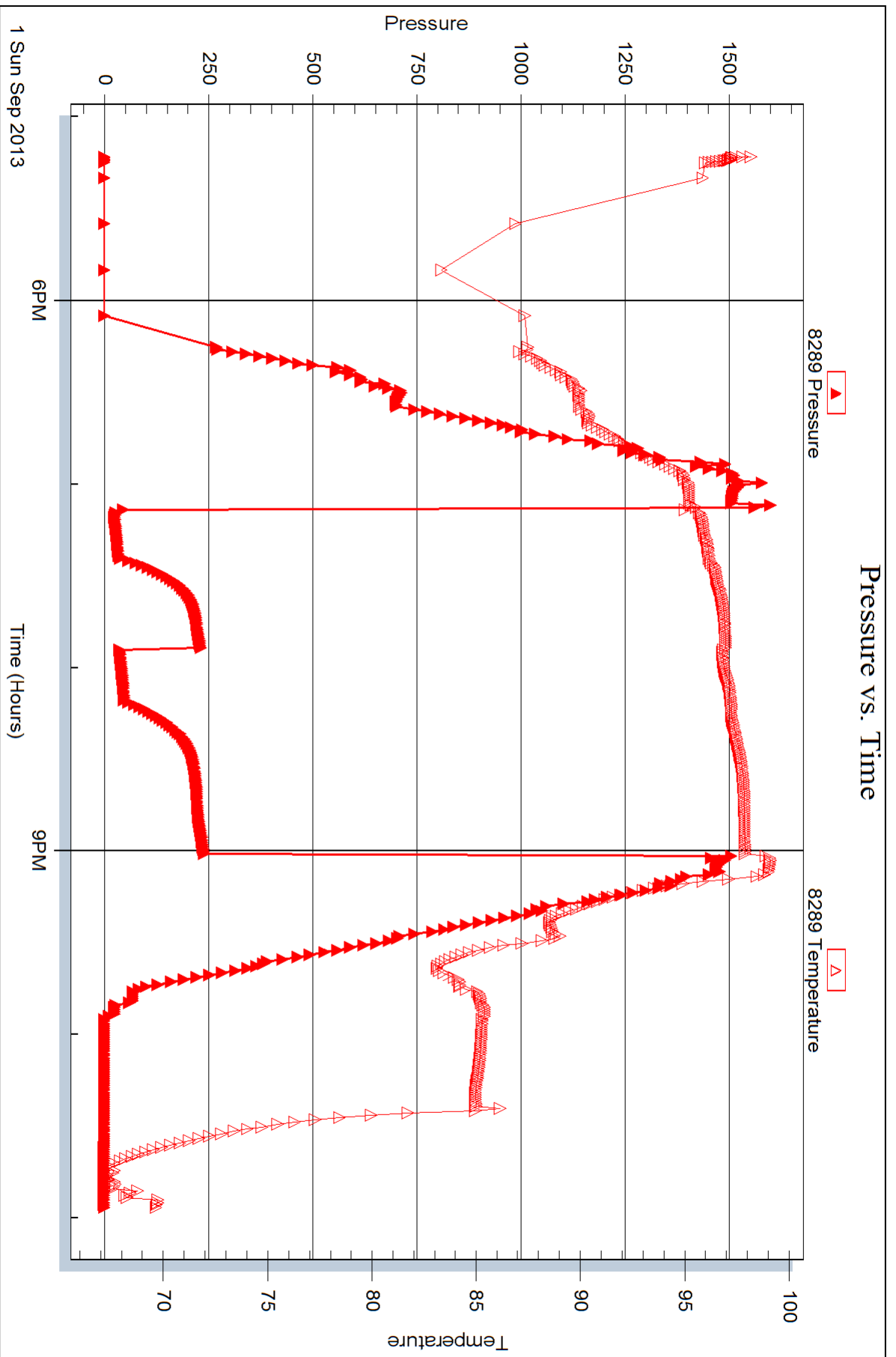
Serial #: 8289

Outside

Carmen Schmitt Inc

Schulte #1-12

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Herb Deines

Schulte #1-12

12-14s-16w Ellis,KS

Start Date: 2013.09.02 @ 06:10:00

End Date: 2013.09.02 @ 12:05:15

Job Ticket #: 54432 DST #: 4

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

Printed: 2013.09.05 @ 13:17:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54432 **DST#: 4**
 Test Start: 2013.09.02 @ 06:10:00

GENERAL INFORMATION:

Formation: **HIJ**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:45:00
 Time Test Ended: 12:05:15
 Interval: **3260.00 ft (KB) To 3320.00 ft (KB) (TVD)**
 Total Depth: 3320.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 54
 Reference Elevations: 1895.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 5.00 ft

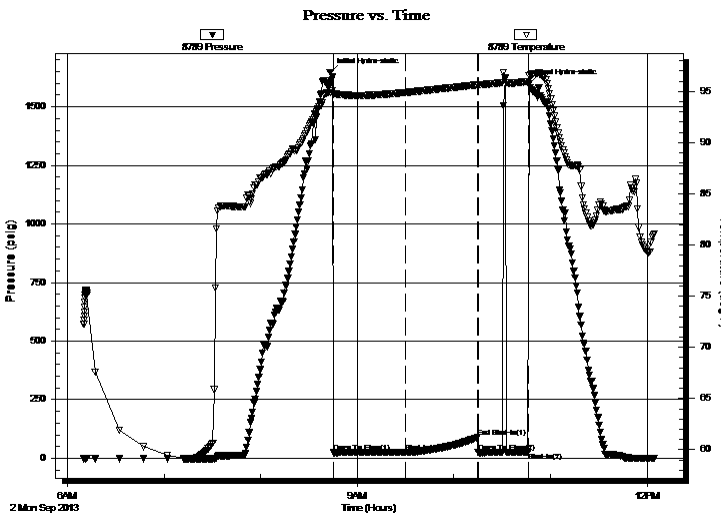
Serial #: 8789

Inside

Press @ Run Depth: 24.90 psig @ 3316.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.02 End Date: 2013.09.02 Last Calib.: 2013.09.02
 Start Time: 06:10:02 End Time: 12:05:15 Time On Btm: 2013.09.02 @ 08:43:00
 Time Off Btm: 2013.09.02 @ 10:46:45

TEST COMMENT: 45- IF- Built to .25" then died back to surface blow
 45- ISI- No blow
 15- FF- No blow flushed tool no blow pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.54	94.89	Initial Hydro-static
2	24.38	94.68	Open To Flow (1)
47	24.90	94.89	Shut-In(1)
92	89.62	95.64	End Shut-In(1)
92	25.24	95.61	Open To Flow (2)
124	26.47	95.98	Shut-In(2)
124	1599.40	96.55	Final Hydro-static

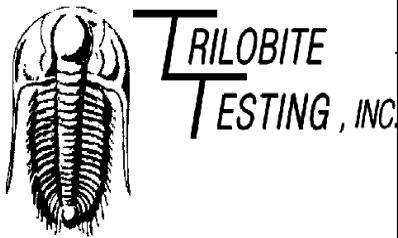
Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis, KS
Schulte #1-12
 Job Ticket: 54432 **DST#: 4**
 Test Start: 2013.09.02 @ 06:10:00

GENERAL INFORMATION:

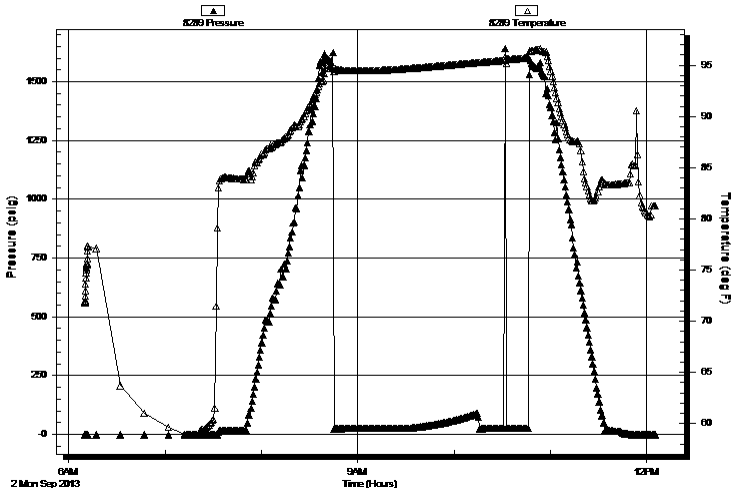
Formation: **HIJ**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:45:00 Tester: Brannan L
 Time Test Ended: 12:05:15 Unit No: 54
 Interval: **3260.00 ft (KB) To 3320.00 ft (KB) (TVD)** Reference Elevations: 1895.00 ft (KB)
 Total Depth: 3320.00 ft (KB) (TVD) 1890.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8289

Press @RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.02 End Date: 2013.09.02 Last Calib.: 2013.09.02
 Start Time: 06:10:02 End Time: 12:05:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45- IF- Built to .25" then died back to surface blow
 45- ISI- No blow
 15- FF- No blow flushed tool no blow pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
 Job Ticket: 54432 **DST#: 4**
 Test Start: 2013.09.02 @ 06:10:00

Tool Information

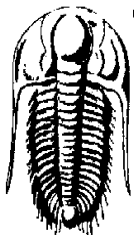
Drill Pipe:	Length: 3263.00 ft	Diameter: 3.75 inches	Volume: 44.57 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3260.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	81.00 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			3240.00	
Shut In Tool	5.00			3245.00	
Hydraulic tool	5.00			3250.00	
Packer	5.00			3255.00	21.00 Bottom Of Top Packer
Packer	5.00			3260.00	
Stubb	1.00			3261.00	
Perforations	22.00			3283.00	
Change Over Sub	1.00			3284.00	
Drill Pipe	32.00			3316.00	
Recorder	0.00	8789	Inside	3316.00	
Recorder	0.00	6668	Outside	3316.00	
Change Over Sub	1.00			3317.00	
Bullnose	3.00			3320.00	60.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend, KS 67530
ATTN: Herb Deines

12-14s-16w Ellis,KS
Schulte #1-12
Job Ticket: 54432 **DST#: 4**
Test Start: 2013.09.02 @ 06:10:00

Mud and Cushion Information

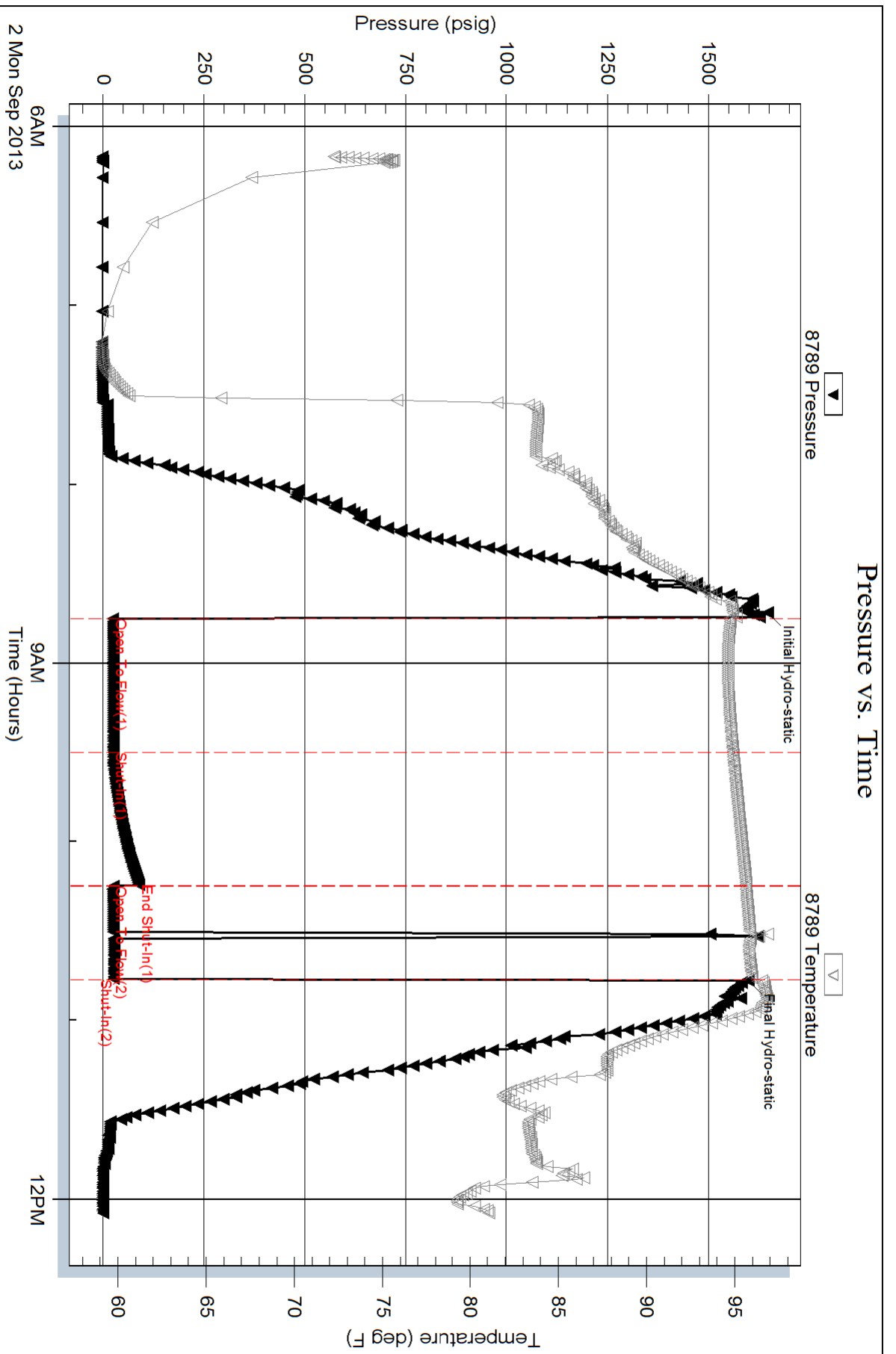
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

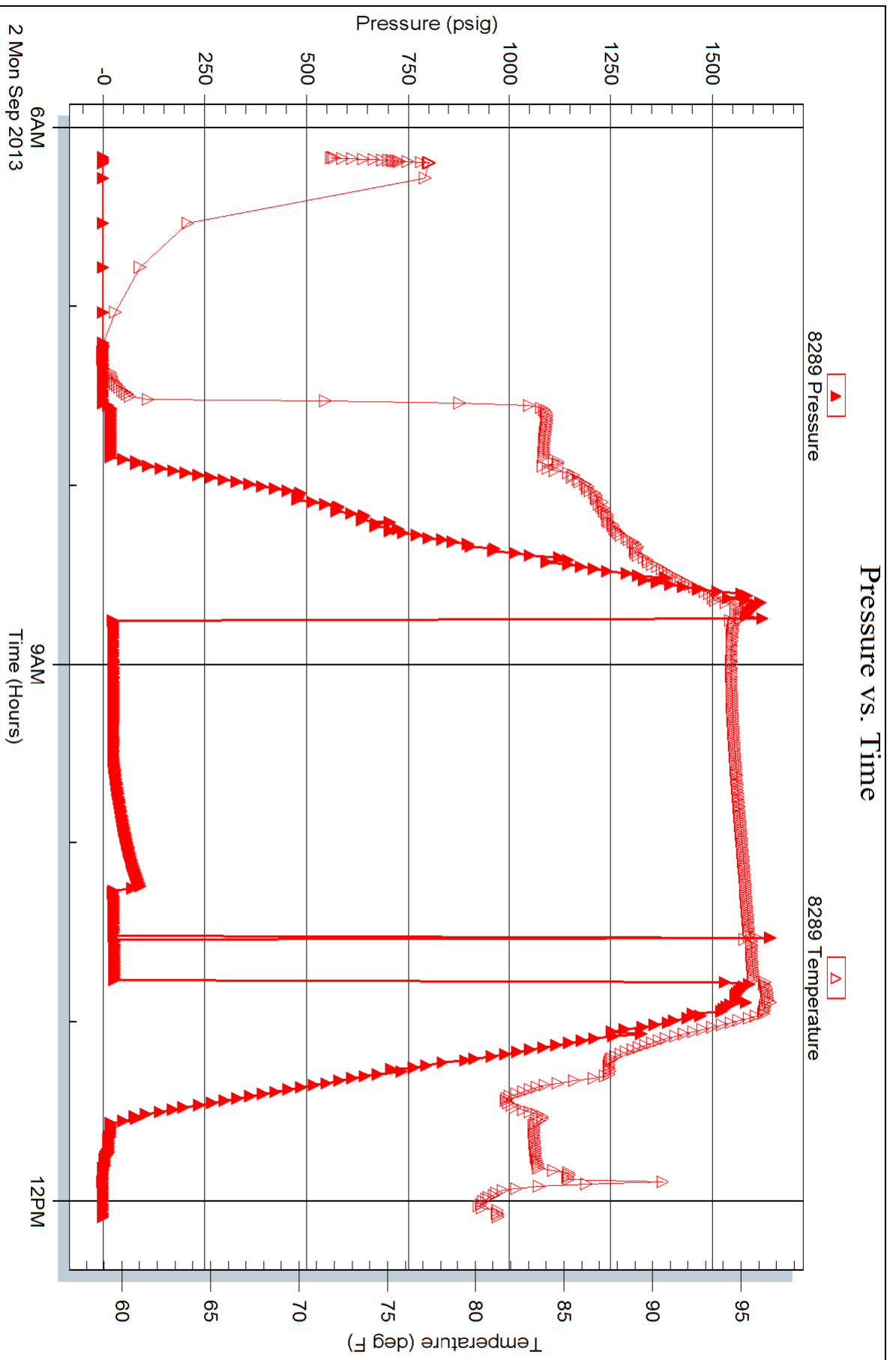
Recovery Information

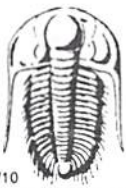
Recovery Table

Length ft	Description	Volume bbl
5.00	M, 100%M	0.068

Total Length: 5.00 ft Total Volume: 0.068 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **54429**

Well Name & No. Schulte #1-12 Test No. 1 Date 8/31/13
 Company Carmen Schmitt Inc. Elevation 1895 KB 1890 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Herb Deines Rig Murphy 16
 Location: Sec. 12 Twp. 14 Rge. 16 Co. Ellis State KS

Interval Tested 3112-3142 Zone Tested A
 Anchor Length 30' Drill Pipe Run 3074 Mud Wt. 8.7
 Top Packer Depth 3107 Drill Collars Run 29 Vis 37
 Bottom Packer Depth 3112 Wt. Pipe Run --- WL 8.0
 Total Depth 3142 Chlorides 5000 ppm System LCM 1#
 Blow Description IF - weak surface blow that died immediately
ISI - No blow
FP - No blow - flush tool - No blow - pull tool

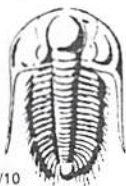
Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>M</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2' BHT 99° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>1546</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1250</u>
(B) First Initial Flow <u>9</u>	<input type="checkbox"/> Jars <u>---</u>	T-Started <u>1808</u>
(C) First Final Flow <u>11</u>	<input type="checkbox"/> Safety Joint <u>---</u>	T-Open <u>1957</u>
(D) Initial Shut-In <u>23</u>	<input type="checkbox"/> Circ Sub <u>---</u>	T-Pulled <u>2135</u>
(E) Second Initial Flow <u>12</u>	<input type="checkbox"/> Hourly Standby <u>---</u>	T-Out <u>2254</u>
(F) Second Final Flow <u>---</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> 49.60	Comments <u>---</u>
(G) Final Shut-In <u>---</u>	<input type="checkbox"/> Sampler <u>---</u>	
(H) Final Hydrostatic <u>1487</u>	<input type="checkbox"/> Straddle <u>---</u>	<input type="checkbox"/> Ruined Shale Packer <u>---</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>---</u>	<input type="checkbox"/> Ruined Packer <u>---</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>---</u>	<input type="checkbox"/> Extra Copies <u>---</u>
Final Flow <u>10 - flush pull</u>	<input type="checkbox"/> Extra Recorder <u>---</u>	Sub Total <u>0</u>
Final Shut-In <u>---</u>	<input type="checkbox"/> Day Standby <u>---</u>	Total <u>1199.60</u>
	<input type="checkbox"/> Accessibility <u>---</u>	MP/DST Disc't <u>---</u>
	Sub Total <u>1199.60</u>	

Approved By _____ Our Representative Brannon L

Trilobite Testing Inc. shall not be liable for damaged or 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54430

Well Name & No. Schulte #1-12 Test No. 2 Date 9/1/13
 Company Carmen Schmitt Inc Elevation 1895 KB 1890 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Herb Deines Rig Murfin 16
 Location: Sec. 12 Twp. 14 Rge. 16 Co. Ellis State KS

Interval Tested 3142-3197 Zone Tested B-E
 Anchor Length 55' Drill Pipe Run 3106 Mud Wt. 9.1
 Top Packer Depth 3137 Drill Collars Run 29 Vis 61
 Bottom Packer Depth 3142 Wt. Pipe Run — WL 7.4
 Total Depth 3197 Chlorides 5200 ppm System LCM 1#

Blow Description IF - Built to 1/2" and then died back to surface blow
ISI - No blow
FF - No blow flushed tool no blow pulled tool

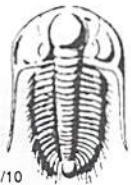
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 96° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1560</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0453</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars <u>—</u>	T-Started <u>0503</u>
(C) First Final Flow <u>25</u>	<input type="checkbox"/> Safety Joint <u>—</u>	T-Open <u>0739</u>
(D) Initial Shut-In <u>74</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>0914</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>1051</u>
(F) Second Final Flow <u>—</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> 49.60	Comments <u>—</u>
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler <u>—</u>	
(H) Final Hydrostatic <u>1519</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Sub Total <u>0</u>
Final Shut-In <u>—</u>	<input type="checkbox"/> Day Standby <u>—</u>	Total <u>1199.60</u>
	<input type="checkbox"/> Accessibility <u>—</u>	MP/DST Disc't <u>—</u>
	Sub Total <u>1199.60</u>	

Approved By — Our Representative Brannon L

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54431

Well Name & No. Schulte #1-12 Test No. 3 Date 9/1/13
 Company Carmen Schmitt Elevation 1895 KB 1890 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Herb Deines Rig Murfin 16
 Location: Sec. 12 Twp. 14 Rge. 16 Co. Ellis State KS

Interval Tested 3190-3225 Zone Tested F+G
 Anchor Length 35' Drill Pipe Run 3199 Mud Wt. 9.1
 Top Packer Depth 3185 Drill Collars Run --- Vis 61
 Bottom Packer Depth 3190 Wt. Pipe Run --- WL 2.4
 Total Depth 3225 Chlorides 5200 ppm System LCM 1#

Blow Description IF - BOB 1min
ISI - No blow
FF - BOB immediately
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SOCM</u>		<u>5</u>		<u>95</u>
<u>60</u>	<u>GMWO</u>	<u>20</u>	<u>55</u>	<u>20</u>	<u>5</u>
	<u>390' GIP</u>				

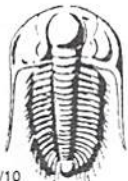
Rec Total 90' BHT 99° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 1565 Test 1150 T-On Location 1700
 (B) First Initial Flow 27 Jars --- T-Started 1713
 (C) First Final Flow 33 Safety Joint --- T-Open 1909
 (D) Initial Shut-In 230 Circ Sub --- T-Pulled 2054
 (E) Second Initial Flow 38 Hourly Standby --- T-Out 2237
 (F) Second Final Flow 46 Mileage 32 RT 49.60 Comments ---
 (G) Final Shut-In 238 Sampler ---
 (H) Final Hydrostatic 1522 Straddle --- Ruined Shale Packer ---

Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Initial Open 15 Extra Recorder --- Sub Total 0
 Initial Shut-In 30 Day Standby --- Total 1199.60
 Final Flow 15 Accessibility --- MP/DST Disc't ---
 Final Shut-In 45 Sub Total 1199.60

Approved By --- Our Representative Brannan L

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54432

Well Name & No. Schulte #1-12 Test No. 4 Date 9/2/13
 Company Carmen Schmitt Inc Elevation 1895 KB 1890 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Herb Daves Rig Murfin 16
 Location: Sec. 12 Twp. 14 Rge. 16 Co. Ellis State KS

Interval Tested 3260 - 3320 Zone Tested H-I-J
 Anchor Length 60' Drill Pipe Run 3263 Mud Wt. 9.1
 Top Packer Depth 3255 Drill Collars Run --- Vis 57
 Bottom Packer Depth 3260 Wt. Pipe Run --- WL 7.6
 Total Depth 3320 Chlorides 5000 ppm System LCM 1#
 Blow Description IF - Built to 1/4" then died back to surface blow
ISI - No blow
FF - No blow flushed tool no blow pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 96° Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic 1647 Test 1150 T-On Location 0610
 (B) First Initial Flow 24 Jars --- T-Started 0610
 (C) First Final Flow 25 Safety Joint --- T-Open 0845
 (D) Initial Shut-In 90 Circ Sub --- T-Pulled 1045
 (E) Second Initial Flow 25 Hourly Standby --- T-Out 1206
 (F) Second Final Flow --- Mileage 32 RTx2 99.20 --- Comments Loaded tool @ 0500 9/3/13
 (G) Final Shut-In --- Sampler ---
 (H) Final Hydrostatic 1599 Straddle --- Ruined Shale Packer ---
 Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Extra Recorder --- Sub Total 0
 Day Standby --- Total 1249.20
 Accessibility --- MP/DST Disc't ---
 Sub Total 1249.20

Approved By _____ Our Representative Bannan L
 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.