KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1159218

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33936
Name: Griffin, Charles N.
Address 1: PO BOX 347
Address 2:
City: PRATT State: KS Zip: 67124 + 0347
Contact Person: Charles N Griffin
Phone: (620) 672-9700
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: Bruce A Reed
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [x] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

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

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/11/2013	07/23/2013	07/23/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-24037-00-00
Spot Description:
_ - NW - NE - SE Sec. 33 Twp. 32 S. R. 12 [ ] East [x] West
2310 Feet from [ ] North / [x] South Line of Section
990 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Barber
Lease Name: Moots Well #: 1
Field Name: Medicine Lodge - Boggs
Producing Formation: N/A
Elevation: Ground: 1583 Kelly Bushing: 1601
Total Depth: 4920 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 268 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 0 ppm Fluid volume: 500 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Bemco LLC
Lease Name: Cole SWD License #: 32613
Quarter NW Sec. 25 Twp. 32 S. R. 12 [ ] East [x] West
County: Barber Permit #: D-19886

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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 10/23/2013

Side Two

[redacted] 1159218

Operator Name: Griffin, Charles N. Lease Name: Moots Well #: 1

Sec. 33 Twp. 32 S. R. 12 ☐ East ☑ West County: Barber

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Compensated Density Neutron Log
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	268	Common	180	2%cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: N/A Set At: N/A Packer At: N/A

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☑ Other *(Specify)* Plugged

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Moots 1
Doc ID	1159218

Tops

Name	Top	Datum
Lecompton	3479	-1878
Elgin	3521	-1920
Heebner	3689	-2088
Lansing	3885	-2284
Stark Shale	4272	-2671
B/KC	4358	-2757
Mississippi	4443	-2842
Kinderhook	4634	-3033
Viola	4736	-3135
Simpson	4840	-3239
Simpson Sand	4847	-3246

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

33-32S-12W

FIELD SERVICE TICKET
1718 08639 A

DATE TICKET NO.

DATE OF JOB 7-12-13	DISTRICT Pratt, Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐	CUSTOMER ORDER NO.:
CUSTOMER Griffin Management		LEASE Moots	WELL NO. 1
ADDRESS		COUNTY Barber	STATE Kansas
CITY	STATE	SERVICE CREW C. Messick M. McGraw T. Truemin	
AUTHORIZED BY		JOB TYPE: C.N.W. - Surface	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
37,216	.75				
77,686 - 19,905	.75				
19,903 - 19,862	.75				

	DATE	AM/PM	TIME
TRUCK CALLED	7-11-13	AM PM	9:00
ARRIVED AT JOB	7-12-13	AM PM	12:30
START OPERATION		AM PM	5:45
FINISH OPERATION		AM PM	6:30
RELEASED	7-12-13	AM PM	7:00
MILES FROM STATION TO WELL			35

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP100C	Common Cement	sk	180		$ 2,880 00
CC102	Cellflake	Lb	46		$ 170 20
CC109	Calcium Chloride	Lb	340		$ 357 00
CF153	Wooden Plug, 8 5/8"	ea	1		$ 160 00
E100	Pickup Mileage	mi	35		$ 148 75
E101	Heavy Equipment Mileage	mi	70		$ 490 00
E113	Bulk Delivery	tm	298		$ 476 00
CE200	Cement Pump: 0 Feet To 500 Feet	hrs	4		$ 1,000 00
CE240	Blending and Mixing Service	sk	180		$ 252 00
CE504	Plug Container	Job	1		$ 250 00
S003	Service Supervisor	hrs	8		$ 175 00

CHEMICAL / ACID DATA:			

SUB TOTAL KG $ 4,133 32

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE Christine R. Mcdaid

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Griffin Management	Lease No.			Date: 7-12-13	
Lease: Moots	Well #: 1				
Field Order #: 8,639	Station: Pratt, Kansas	Casing: 8 5/8" 24Lb.	Depth: 270 Feet	County: Barber	State: Kansas
Type Job: C.N.W - Surface		Formation		Legal Description: 33-32S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8 24Lb./Ft.	Tubing Size	Shots/Ft		180 sacks Common cement with 2% Calcium Chloride, .25 Lb./sk. Cell flake	RATE	PRESS	ISIP
Depth: 270 Feet	Depth	From	To		Max		5 Min.
Volume: 17.2 Bbl.	Volume	From	To	15.6 Lb/Gal., 5.23 Gal./sk., 1.20 C.F.T./sk.	Min		10 Min.
Max Press: 300 P.S.I.	Max Press	From	To		Avg		15 Min.
Well Connection: Plug Container	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 255 Feet	Packer Depth	From	To	Flush 16.2 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative: Charles Griffin | Station Manager: Kevin Gordley | Treater: Clarence R. Messick

Service Units	37,216	27,686	19,905	19,903	19,862						
Driver Names	Messick	Mc Graw		Tuemin							

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:15					Cementer on location.
12:15					Trucks on location and hold safety meeting.
4:45	Fossil	Drilling	start to	run 6 Joints	new 24Lb/Ft. 8 5/8" casing.
5:30					Casing in well. Circulate for 5 minutes.
5:40	250			5	Start 10 H_2O
	250		10	5	Start mixing 180 sacks cement.
	-0-		48.5		Stop pumping. Shut in well. Release Wooden Plug. Open Well.
6:07	175			5	Start Fresh Water Displacement.
6:11	300				Plug down. Shut in well
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
					Job Complete
					Thank You.
					Clarence, Mike, Tim

Taylor Printing, Inc. 620-672-3656

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Charles N. Griffin**

PO Box 347
Pratt, KS 67124-0347

ATTN: Bruce Reed

Moots #1

33-32s.-12w. Barber,KS

Start Date: 2013.07.23 @ 01:06:47
End Date: 2013.07.23 @ 08:49:02
Job Ticket #: 52339 DST #: 1

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

Printed: 2013.07.24 @ 14:17:21

DRILL STEM TEST REPORT

Charles N. Griffin

PO Box 347
Pratt, KS 67124-0347

ATTN: Bruce Reed

33-32s.-12w. Barber,KS

Moots #1

Job Ticket: 52339 **DST#: 1**

Test Start: 2013.07.23 @ 01:06:47

GENERAL INFORMATION:

Formation: **Sp. Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:08:17
Time Test Ended: 08:49:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 48

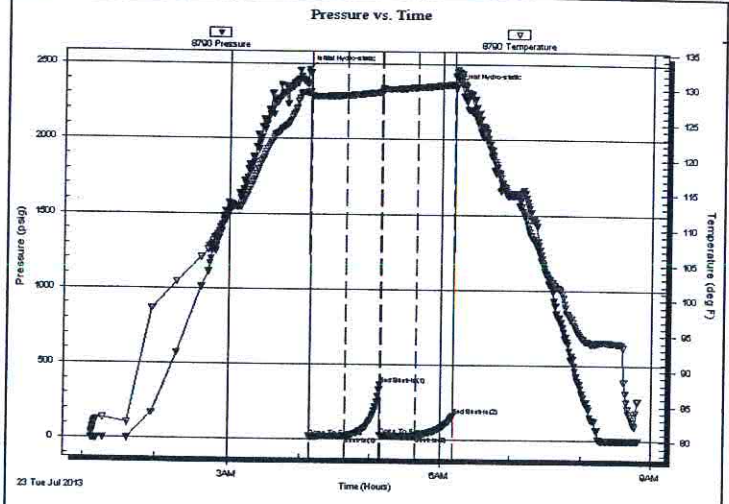
Interval: 4864.00 ft (KB) To 4920.00 ft (KB) (TVD)
Total Depth: 4920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1601.00 ft (KB)
1593.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8790 **Inside**
Press@RunDepth: 29.06 psig @ 4865.00 ft (KB)
Start Date: 2013.07.23 End Date: 2013.07.23
Start Time: 01:06:52 End Time: 08:49:01

Capacity: 8000.00 psig
Last Calib.: 2013.07.23
Time On Btm: 2013.07.23 @ 04:06:02
Time Off Btm: 2013.07.23 @ 06:11:47

TEST COMMENT: IF: Weak blow . 1/4" - 1/2"
ISI: No blow
FF: No blow
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2463.01	129.45	Initial Hydro-static
3	16.75	128.81	Open To Flow (1)
33	22.12	128.94	Shut-In(1)
63	366.91	129.47	End Shut-In(1)
63	25.86	129.68	Open To Flow (2)
93	29.06	130.12	Shut-In(2)
125	158.94	130.57	End Shut-In(2)
126	2347.85	131.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM 10%oil, 90%mud	0.12

Gas Rates

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

DRILL STEM TEST REPORT

Charles N. Griffin

PO Box 347
Pratt, KS 67124-0347

ATTN: Bruce Reed

33-32s.-12w. Barber,KS

Moots #1

Job Ticket: 52339 **DST#: 1**

Test Start: 2013.07.23 @ 01:06:47

GENERAL INFORMATION:

Formation: **Sp. Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:08:17
Time Test Ended: 08:49:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 48

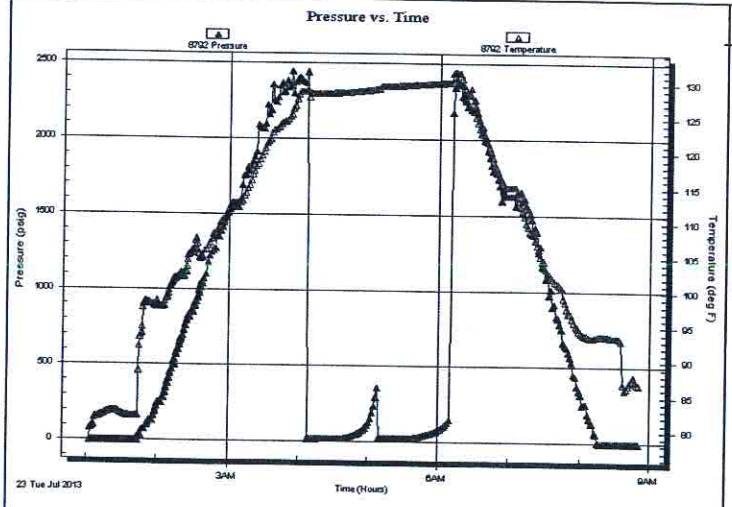
Interval: 4864.00 ft (KB) To 4920.00 ft (KB) (TVD)
Total Depth: 4920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1601.00 ft (KB)
1593.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8792 **Outside**
Press@RunDepth: psig @ 4865.00 ft (KB)
Start Date: 2013.07.23 End Date: 2013.07.23
Start Time: 01:02:58 End Time: 08:50:52

Capacity: 8000.00 psig
Last Calib.: 2013.07.23
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak blow . 1/4" - 1/2"
ISI: No blow
FF: No blow
FSI: No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM 10%oil, 90%mud	0.12

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N. Griffin

PO Box 347
Pratt, KS 67124-0347

ATTN: Bruce Reed

33-32s.-12w. Barber,KS

Moots #1

Job Ticket: 52339 **DST#: 1**

Test Start: 2013.07.23 @ 01:06:47

Tool Information

Drill Pipe:	Length:	4613.00 ft	Diameter:	3.80 inches	Volume:	64.71 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	
					Total Volume:	65.91 bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	4864.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	56.00 ft
Tool Length:	82.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2400.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	78000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	63000.00 lb
Final	64000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4843.00		
Hydraulic tool	5.00			4848.00		
Jars	5.00			4853.00		
Safety Joint	2.00			4855.00		
Packer	5.00			4860.00	26.00	Bottom Of Top Packer
Packer	4.00			4864.00		
Stubb	1.00			4865.00		
Recorder	0.00	8790	Inside	4865.00		
Recorder	0.00	8792	Outside	4865.00		
Perforations	16.00			4881.00		
Change Over Sub	1.00			4882.00		
Drill Pipe	32.00			4914.00		
Change Over Sub	1.00			4915.00		
Perforations	2.00			4917.00		
Bullnose	3.00			4920.00	56.00	Bottom Packers & Anchor
Total Tool Length:	**82.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N. Griffin

PO Box 347
Pratt, KS 67124-0347

ATTN: Bruce Reed

33-32s.-12w. Barber,KS

Moots #1

Job Ticket: 52339 **DST#: 1**

Test Start: 2013.07.23 @ 01:06:47

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:	5800 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.49 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	OCM 10%oil, 90%mud	0.123

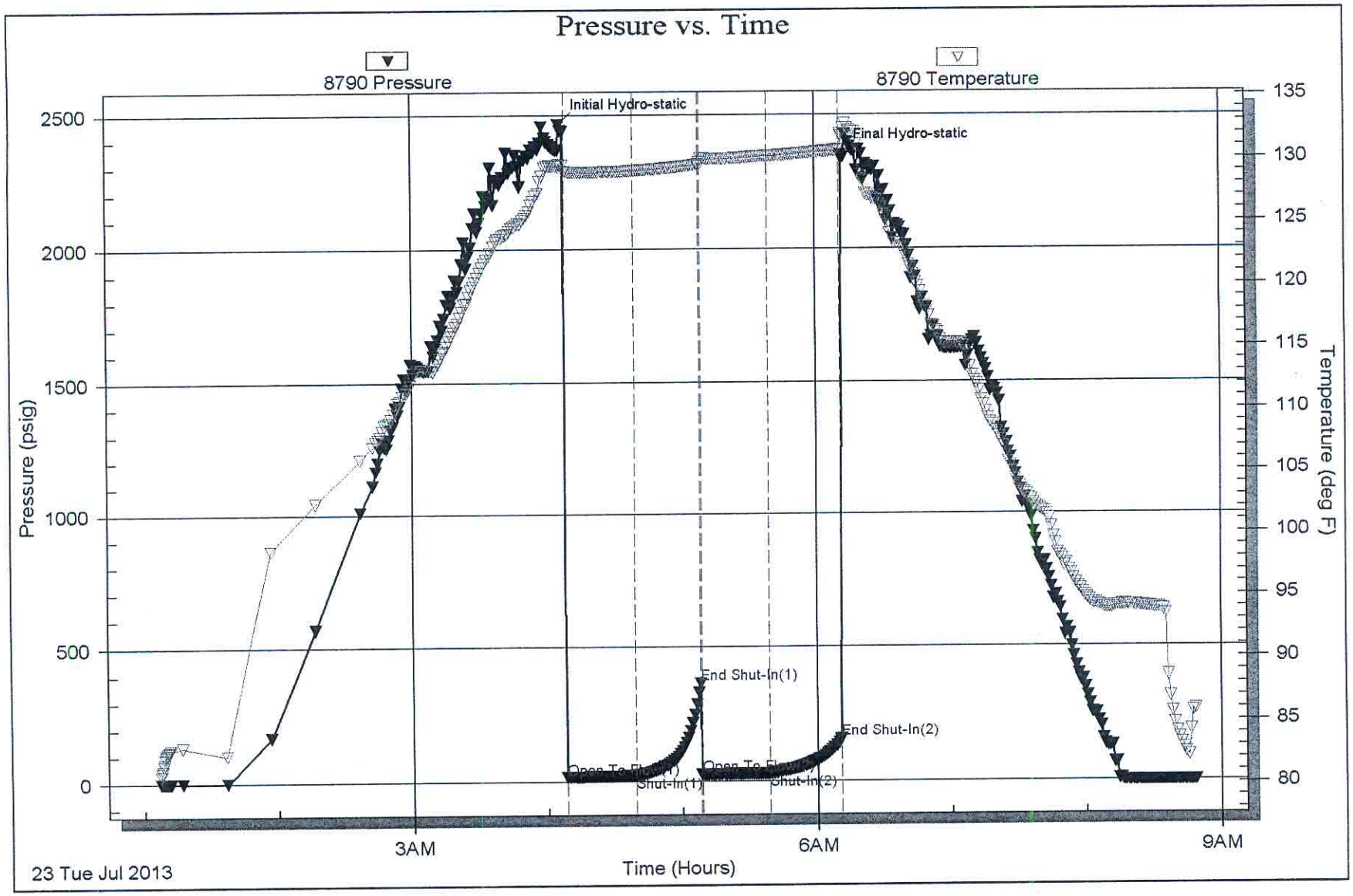
Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

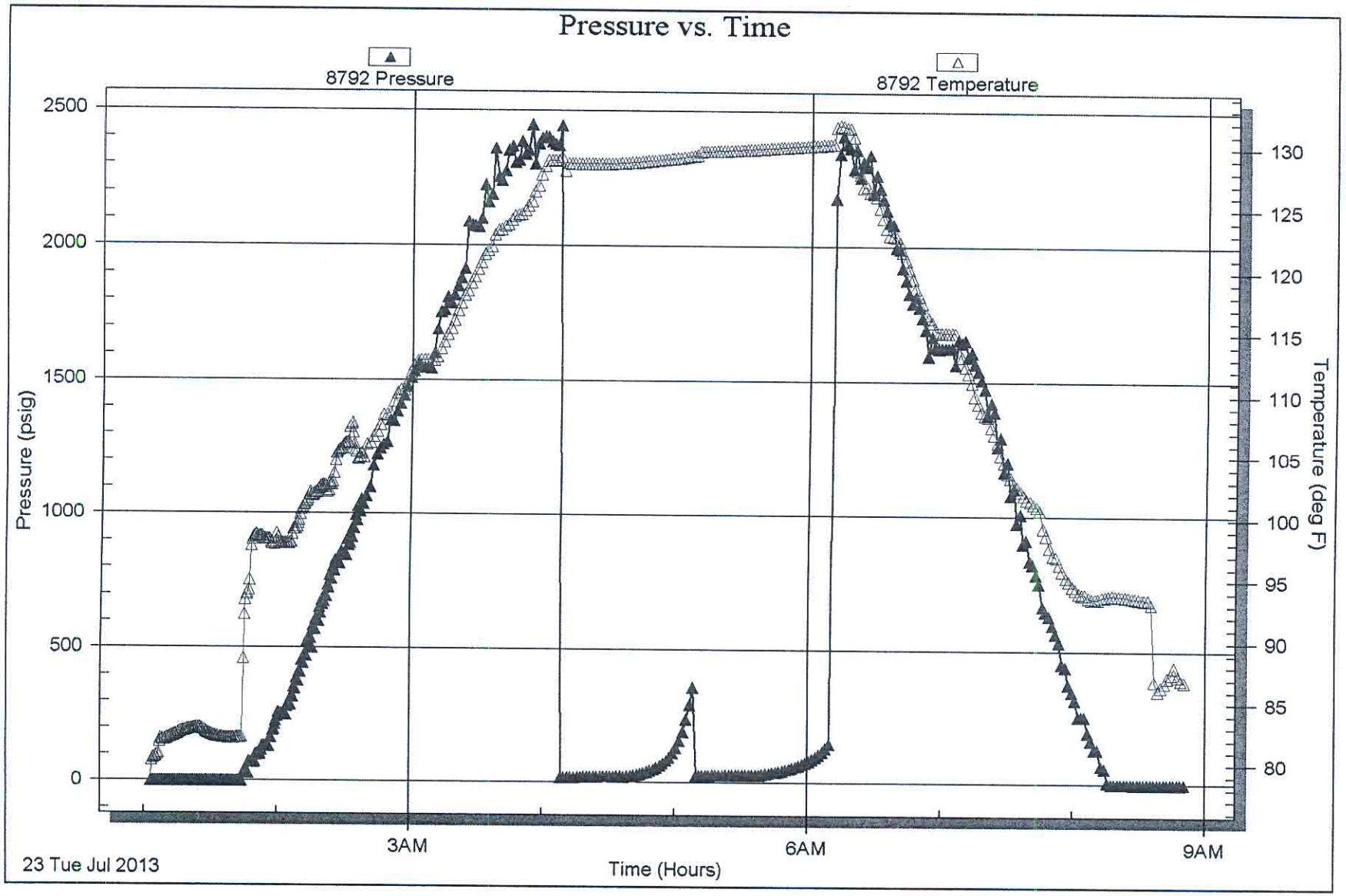
Recovery Comments:

Serial #: 8790 Inside Charles N. Griffin Moots #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 52339 Printed: 2013.07.24 @ 14:17:24

Serial #: 8792 **Outside** Charles N. Griffin Moots #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 52339 Printed: 2013.07.24 @ 14:17:24

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 52339

Well Name & No. Moots #1 Test No. 1 Date 7-22-13

Company Charles N. Griffin Elevation 1601' KB 1593 GL

Address P.O. Box 347 Pratt, KS 67124-0347

Co. Rep / Geo. Bruce Reed Rig Fossil #2

Location: Sec. 33 Twp. 32s. Rge. 12w. Co. Barber State KS

Interval Tested 4864-4920 Zone Tested Sp. Sd.

Anchor Length 56' Drill Pipe Run 4613 Mud Wt. 9.2

Top Packer Depth 4859 Drill Collars Run 245 Vis 52

Bottom Packer Depth 4864 Wt. Pipe Run Ø WL 7.5

Total Depth 4920 Chlorides 5800 ppm System LCM 3#

Blow Description IF: Weak blow. 1/4" - 1/2". ISI: No blow
FF: No blow. FSI: No blow

Rec 25	Feet of OCM	%gas	10 %oil	%water 90	%mud
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 25 BHT 132 Gravity N/C API RW N/C @ N/C °F Chlorides 5800 ppm

(A) Initial Hydrostatic	2463	☒ Test 1250	T-On Location 1145
(B) First Initial Flow	17	☒ Jars 250	T-Started 0107
(C) First Final Flow	22	☒ Safety Joint 75	T-Open 0408
(D) Initial Shut-In	367	☐ Circ Sub	T-Pulled 0610
(E) Second Initial Flow	26	☐ Hourly Standby	T-Out 0849
(F) Second Final Flow	29	☒ Mileage 90 139.50	Comments
(G) Final Shut-In	159	☐ Sampler	
(H) Final Hydrostatic	2348	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open	30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	30	☐ Extra Recorder	Sub Total 0
Final Flow	30	☐ Day Standby	Total 1714.50
Final Shut-In	30	☐ Accessibility	MP/DST Disc't
		Sub Total 1714.50	

Approved By Bruce A. Reed Our Representative Ryan Reynolds