



KANSAS CORPORATION COMMISSION 1058828  
OIL & GAS CONSERVATION DIVISION

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: ( 720 ) 490-5648  
CONTRACTOR: License # 34233  
Name: Maverick Drilling LLC  
Wellsite Geologist: Bruce Reed  
Purchaser: Plains Marketing

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

<u>5/23/2011</u>	<u>6/2/2011</u>	<u>06/16/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23669-00-00  
Spot Description: \_\_\_\_\_  
E2 SW NW Sec. 34 Twp. 32 S. R. 12  East  West  
3300 Feet from  North /  South Line of Section  
4290 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Barber  
Lease Name: ASH Well #: 1  
Field Name: Toni-Mike  
Producing Formation: Simpson  
Elevation: Ground: 1580 Kelly Bushing: 1588  
Total Depth: 4890 Plug Back Total Depth: 4865  
Amount of Surface Pipe Set and Cemented at: 266 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: 0 ppm Fluid volume: 0 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Gortner Date: 08/02/2011



1058828

Operator Name: Griffin, Charles N. Lease Name: ASH Well #: 1  
 Sec. 34 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 Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Induction Log Compensated Density Neutron Log Micro Resistivity Log	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Lansing</td> <td>3879</td> <td>2291</td> </tr> <tr> <td>Bottom Kansas City</td> <td>4348</td> <td>2760</td> </tr> <tr> <td>Mississippi</td> <td>4442</td> <td>2854</td> </tr> <tr> <td>Viola</td> <td>4724</td> <td>3136</td> </tr> <tr> <td>Simpson Shale</td> <td>4820</td> <td>3232</td> </tr> <tr> <td>Simpson Sand</td> <td>4826</td> <td>3338</td> </tr> </table>	Name	Top	Datum	Lansing	3879	2291	Bottom Kansas City	4348	2760	Mississippi	4442	2854	Viola	4724	3136	Simpson Shale	4820	3232	Simpson Sand	4826	3338
Name	Top	Datum																				
Lansing	3879	2291																				
Bottom Kansas City	4348	2760																				
Mississippi	4442	2854																				
Viola	4724	3136																				
Simpson Shale	4820	3232																				
Simpson Sand	4826	3338																				

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	266	Common	200	
Production	7.875	5.5	15.5	4886	AA2	150	10% salt, 1% gas blk., 5# Gilsontz

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4828-4830	N/A	

TUBING RECORD:    Size: <u>2-7/8</u> Set At: <u>4838</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>06/16/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil    Bbls.    Gas    Mcf    Water    Bbls.    Gas-Oil Ratio    Gravity 25                      0                      3    33

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4828-4830</u>
--	--	--



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 04217 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 5-24-11 DISTRICT: Pratt			NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER: Griffen Management			LEASE: Ash		WELL NO. 1					
ADDRESS:			COUNTY: Barber		STATE: KS					
CITY: STATE:			SERVICE CREW: Orlando, Wiser, Hunter, McCasky							
AUTHORIZED BY:			JOB TYPE: C.N.W.: 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	11-23-11	DATE	AM PM	TIME
27283	1/2					ARRIVED AT JOB	11-24-11		AM PM	12:30
219903-19925	1/2					START OPERATION			AM PM	8:30
11832-19862	1/2					FINISH OPERATION			AM PM	9:20
						RELEASED			AM PM	9:20
						MILES FROM STATION TO WELL	40			

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	
CP100	Common	SK	200		3200.00	
CC102	Cellulose	Lb	50		185.00	
CC109	Calcium Chloride	Lb	376		394.80	
CF153	Wooden Cement Plug 8 5/8"	ea	1		160.00	
E100	Pickup Mileage	Mi	40		170.00	
E101	Heavy Equipment Mileage	Mi	8.0		560.00	
E113	Bulk Delivery	Tm	376		601.60	
CE200	Depth Charge 0-500'	ea	1		1000.00	
CE240	Cement Service Charge	SK	200		280.00	
CE504	Plug Container	ea	1		250.00	
S003	Service Supervisor	ea	1		175.00	
					<b>SUB TOTAL</b>	<b>5371.83</b>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
<b>TOTAL</b>	

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

FIELD SERVICE ORDER NO.

Customer Griffin Management	Lease No.	Date 5-24-11
Lease Ash	Well # 1	
Field Order # 1015	Station Pratt	Casing 8 7/8
		Depth 266
Type Job CNW - Surface 8 5/8	Formation	County Barber
		State Ks
Legal Description		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 7/8	Tubing Size 7	Shots/Ft 200	From 15	To 15	Fluid Acid Common	RATE	PRESS	ISIP
Depth 266	Volume 7	From	To	To	Pre Pad 1.0 gal	Max		5 Min.
Max. Press	Max. Press	From	To	To	Pad	Min		10 Min.
Well Connection	Annulus Vol.	From	To	To	Frac	Avg		15 Min.
Plug Depth	Packer Depth	From	To	To	Flush 16	HHP Used		Annulus Pressure
		From	To	To	Gas Volume			Total Load

Customer Representative Larry	Station Manager Dave Scott	Treater Steve Orlando
----------------------------------	-------------------------------	--------------------------

Service Units 27223	19965	19903	19232	19862				
Driver Names Orlando	Local	Wagner	Hunter	McConkey				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30					On location - Safety meeting
					Ran 6 7/8 8 7/8 casing
					Casing on bottom
					Break circ w/ R/S
8:30	150		3	4	H2O ahead
8:31	150		42.7	4	Mix 200 gal common @ 15.6 7/8
					Shot down
					Retreat plug
8:56	150		0	4	Start H2O displacement
8:58	100		8	4	Completed to surface
9:00	150		16	4	Plug down - Close T on Valve
					Sub sample
					Circulate through
					Circulate 8 bbls 10 min
					Thank you Steve



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 04224 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 6-2-11	DISTRICT: Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: Griffin Management	LEASE: Ash	WELL NO. 1					
ADDRESS:	COUNTY: Barber	STATE: KS					
CITY:	STATE:	SERVICE CREW: Orlando, Wynn, Hunter, McCleary					
AUTHORIZED BY:	JOB TYPE: C New S/L/S						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE: 6-2-11 TIME: 3:30
27283	1					ARRIVED AT JOB	AM PM 3:30
27463						START OPERATION	AM PM 4:00
19762/19518	1					FINISH OPERATION	AM PM 5:00
						RELEASED	AM PM 6:00
						MILES FROM STATION TO WELL	40

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: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA2	SK	200		3400.00
CP103	60/40 PUZ	SK	50		600.00
CC102	Cellulose	Lb	50		185.00
CC111	Salt	Lb	913		456.50
CC112	Friction Reducer	Lb	94		564.00
CC115	Gas Block	Lb	187		968.20
CC201	Gilsonite	Lb	1000		670.00
CF607	Hold Down Plug Raffle 5/16"	ea	1		400.00
CF1251	Auto Fill Slow Start 5/16"	ea	1		360.00
CF1651	Turbolizer 5/16"	ea	7	770	5390.00
GF1901	Backbit 5/16"	ea	1		290.00
CF764	RCL	gal	1		35.00
CC151	Mud Slush	gal	500		430.00
E100	Heavy Equipment Mileage	hrs	40		170.00
E101	Heavy Equipment Mileage	hrs	80		560.00
E113	Brk Mileage	Tm	462		739.20
CE205	Do Path Charge 1000-5000	ea	1		2520.00
CE240	Cement Service Charge	SK	250		350.00
CE504	Plus Contain	ea	1		250.00
S003	Service Supervisor	ea	1		175.00
SUB TOTAL					16975.39

CHEMICAL / ACID DATA			

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

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
--	--

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

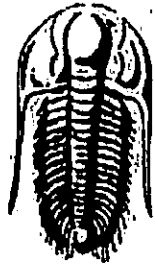
FIELD SERVICE ORDER NO.

Customer <i>Green Mountain</i>	Lease No.	Date <i>6-2-11</i>
Lease <i>A 515</i>	Well # <i>1</i>	
Field Order # <i>1334</i>	Station <i>P-11</i>	Casing <i>5 7/8</i>
Type Job <i>Flow - 5 1/2 L.P.</i>	Formation	Depth
		County <i>Barber</i>
		State <i>Ks</i>
		Legal Description <i>34-32-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	From	To	Rate	Press	ISIP	
<i>5 7/8</i>								
Depth	Depth	From	To	Pre-Pad	Max		5 Min.	
<i>116.0</i>				<i>6 3/4" w/ 1/4" / 1/2"</i>				
Volume	Volume	From	To	Pad	Min		10 Min.	
<i>116.0</i>								
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
<i>13500</i>								
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
<i>P-11</i>								
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
<i>8.65</i>				<i>115.8</i>				

Customer Representative	Station Manager <i>D. ...</i>	Treater <i>S. ...</i>
Service Units	<i>2727</i>	<i>27463</i>
Driver Names	<i>U. ...</i>	<i>B. ...</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:56 PM</i>					<i>U. ... - 3.5 ...</i>
					<i>W. ... 12171 ... 41883</i>
					<i>1-2-3-4-5-6-7</i>
					<i>B. ... 7.1"</i>
<i>3:15 PM</i>					<i>Change of Pack ... B. ... w/r</i>
<i>4:20</i>	<i>350</i>		<i>20</i>	<i>6</i>	<i>KEL P. ...</i>
<i>4:23</i>	<i>300</i>		<i>10</i>	<i>6</i>	<i>3550 4.20 1365 ...</i>
<i>4:25</i>	<i>300</i>		<i>3</i>	<i>6</i>	<i>3550 HDU</i>
<i>4:32</i>	<i>300</i>		<i>4.5</i>	<i>6</i>	<i>Max 2000 = AA 2 1/2" 7 1/2"</i>
					<i>5.14 Down - Circulation</i>
					<i>Rate: 10</i>
<i>4:40</i>	<i>8</i>		<i>8</i>	<i>6</i>	<i>5.14 A. ...</i>
<i>4:51</i>	<i>300</i>		<i>9.5</i>	<i>5</i>	<i>Loss ...</i>
<i>4:53</i>	<i>1650</i>		<i>10.6</i>	<i>4</i>	<i>5.14 ...</i>
<i>5:00 PM</i>	<i>1500</i>		<i>115.8</i>	<i>4</i>	<i>Plus Down - Hold</i>
					<i>Plug ... w/ ... 60/100</i>
					<i>Circulation ...</i>
					<i>5.14 ...</i>
					<i>Th. ... 5.14</i>



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt, KS 67124

ATTN: Bruce Reed

**34-32S-12W Barber, KS**

**Ash #1**

Start Date: 2011.05.30 @ 08:21:18

End Date: 2011.05.30 @ 14:10:03

Job Ticket #: 042449      DST #: 1

Trilobite Testing, Inc

PO, Box 1733 Hays, KS 67601

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

Charles N Griffin

Ash #1

34-32S-12W Barber, KS

DST # 1

Mississippi

2011.05.30



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042449 DST#: 1

ATTN: Bruce Reed

Test Start: 2011.05.30 @ 06:21:18

### GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock ft (KB)

Time Tool Opened: 09:47:03

Time Test Ended: 14:10:03

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

Interval: 4432.00 ft (KB) To 4488.00 ft (KB) (TVD)

Total Depth: 4488.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1588.00 ft (KB)

1580.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 37.97 psig @ 4433.00 ft (KB)

Start Date: 2011.05.30

End Date:

2011.05.30

Start Time: 06:21:19

End Time:

14:10:03

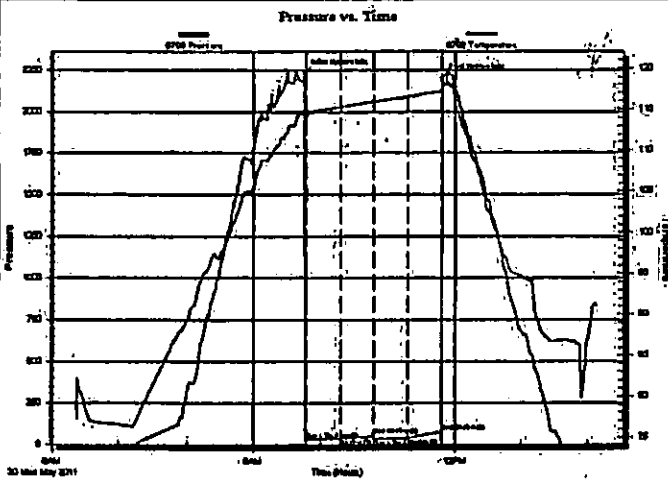
Capacity: 8000.00 psig

Last Calib.: 2011.05.30

Time On Btm: 2011.05.30 @ 09:45:18

Time Off Btm: 2011.05.30 @ 11:48:18

TEST COMMENT: IF: Fair Blow, BOB in 14 minutes  
IS: Bled Off, No Blow back  
FF: Fair Blow, 5 inches  
FS: Bled Off, No Blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.67	114.36	Initial Hydro-static
2	28.85	114.01	Open To Flow (1)
32	36.28	115.21	Shut-in(1)
62	53.50	115.89	End Shut-in(1)
63	32.02	115.89	Open To Flow (2)
92	37.97	116.50	Shut-in(2)
123	76.02	117.14	End Shut-in(2)
123	2202.91	117.97	Final Hydro-static

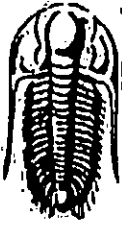
### Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042449

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.05.30 @ 06:21:18

### Tool Information

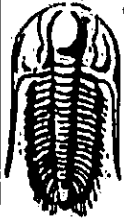
Drill Pipe:	Length: 4299.00 ft	Diameter: 3.80 inches	Volume: 60.30 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 60.91 bbl	Tool Chased: ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4432.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4418.00	
Hydraulic tool	5.00			4423.00	
Packer	5.00			4428.00	19.00 Bottom Of Top Packer
Packer	4.00			4432.00	
Stubb	1.00			4433.00	
Recorder	0.00	6798	Inside	4433.00	
Recorder	0.00	8367	Outside	4433.00	
Perforations	13.00			4446.00	
Change Over Sub	1.00			4447.00	
Drill Pipe	32.00			4479.00	
Change Over Sub	1.00			4480.00	
Perforations	5.00			4485.00	
Bullnose	3.00			4488.00	56.00 Bottom Packers & Anchor

**Total Tool Length: 75.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042449      DST#: 1

ATTN: Bruce Reed

Test Start: 2011.05.30 @ 08:21:18

**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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 18.76 in<sup>2</sup>

Gas Cushion Type:

Resistivity: ohm m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

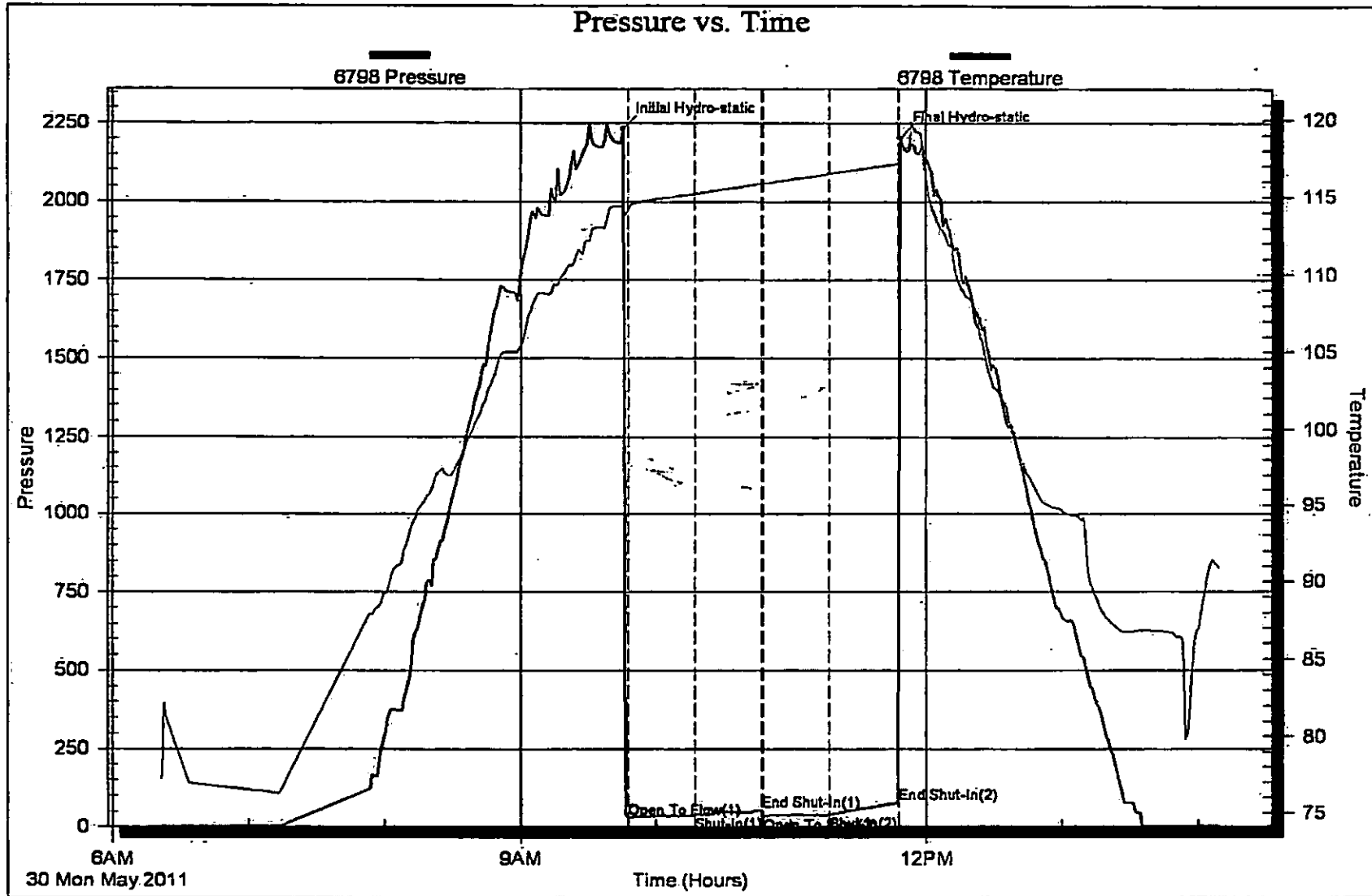
Length ft	Description	Volume bbbl
20.00	Mud	0.098

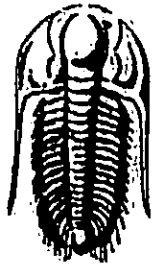
Total Length: 20.00 ft,      Total Volume: 0.098 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: A, 7 . 1





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt, KS 67124

ATTN: Bruce Reed

**34-32S-12W Barber,KS**

**Ash #1**

Start Date: 2011.05.31 @ 21:25:48

End Date: 2011.06.01 @ 09:24:18

Job Ticket #: 042450      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

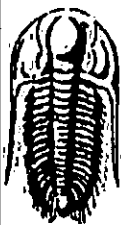
Ash #1

34-32S-12W Barber,KS

DST # 2

Simpson

2011.05.31



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042450 DST#: 2

ATTN: Bruce Reed

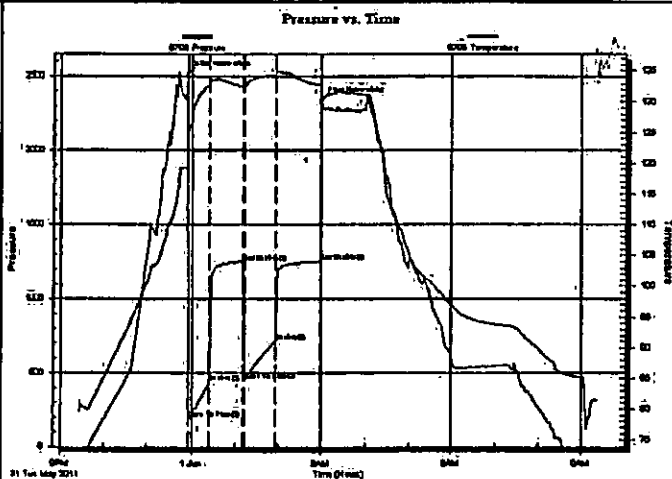
Test Start: 2011.05.31 @ 21:25:48

## GENERAL INFORMATION:

Formation: Simpson  
 Deviated: No Whipstock ft (KB)  
 Time Tool Opened: 23:55:48  
 Time Test Ended: 09:24:18  
 Interval: 4818.00 ft (KB) To 4840.00 ft (KB) (TVD)  
 Total Depth: 4840.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Leal Cason  
 Unit No: 45  
 Reference Elevations: 1588.00 ft (KB)  
 1580.00 ft (CF)  
 KB to GR/CF: 8.00 ft

Serial #: 6798 Inside  
 Press@RunDepth: 710.53 psig @ 4819.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.05.31 End Date: 2011.06.01 Last Calib.: 2011.06.01  
 Start Time: 21:25:49 End Time: 09:24:18 Time On Btm: 2011.05.31 @ 23:54:18  
 Time Off Btm: 2011.06.01 @ 02:59:18

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds, GTS in 10 minutes, Gauged Gas & Caught Sample  
 IS: Bled Off, Blow back Built To BOB in 10 minutes  
 FF: Strong Blow, BOB & GTS Immediate, Gauged Gas  
 FS: Bled Off,



## PRESSURE SUMMARY

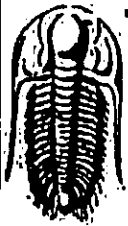
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2513.68	119.29	Initial Hydro-static
2	194.88	124.69	Open To Flow (1)
31	435.33	132.70	Shut-in(1)
77	1245.71	132.35	End Shut-in(1)
79	446.81	132.39	Open To Flow (2)
122	710.53	134.35	Shut-in(2)
184	1247.44	132.84	End Shut-in(2)
185	2340.34	131.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2197 GP	0.00
240.00	Salt Water	1.66
453.00	GSY OMOV 25%G 5%O 24%M 46%W	6.35
315.00	GSY WOM 52%G 10%W 14%M 24%O	4.42
1613.00	GSY O 20%G 80%O	22.63

## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	6.00	137.61
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.50	6.00	137.61



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042450 DST#: 2

ATTN: Bruce Reed

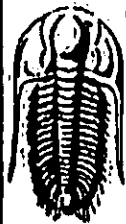
Test Start: 2011.05.31 @ 21:25:48

**Tool Information**

Drill Pipe:	Length: 4631.00 ft	Diameter: 3.80 inches	Volume: 64.96 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Full Loose: 74000.00 lb
			<u>Total Volume: 65.88 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4818.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4796.00	
Hydraulic tool	5.00			4801.00	
Jars	5.00			4806.00	
Safety Joint	2.00			4808.00	
Packer	5.00			4813.00	27.00 Bottom Of Top Packer
Packer	5.00			4818.00	
Stub	1.00			4819.00	
Recorder	0.00	6798	Inside	4819.00	
Recorder	0.00	8367	Outside	4819.00	
Perforations	18.00			4837.00	
Buttnose	3.00			4840.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 49.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042450      DST#: 2

ATTN: Bruce Reed

Test Start: 2011.05.31 @ 21:25:48

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

45.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	2197 GP:	0.000
240.00	Salt Water	1.663
453.00	GSY:CMCW 25%G 5%O 24%M 46%W	6.354
315.00	GSY:WOM 52%G 10%W 14%M 24%O	4.418
1613.00	GSY:O 20%G 80%O	22.626

Total Length: 2621.00 ft      Total Volume: 35.062 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gravity 47 @ 72 degrees (45.8 Corrected)

RW .09 @ 70 degrees



**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Charles N Griffin

Ash #1

PO Box 347  
Pratt, KS 67124

34-32S-12W Barber, KS

Job Ticket: 042450      DST#: 2

ATTN: Bruce Reed

Test Start: 2011.05.31 @ 21:25:48

## Gas Rates Information

Temperature:      59 deg C  
Relative Density:    0.65  
Z Factor:            0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	20	0.50	6.00	137.61
1	20	0.50	6.00	137.61
1	30	0.25	4.00	29.19
2	5	0.25	2.00	26.02
2	10	0.25	2.00	26.02
2	20	0.25	2.00	26.02
2	30	0.25	3.00	27.60
2	40	0.25	3.00	27.60



