



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1058828

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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BASICSM
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, Wisser, Hunter, McCasky	
AUTHORIZED BY		JOB TYPE: CNW- 8 5/8 Surface	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27283	1/2						11-23-11	PM	11:00
219903-19985	1/2						11-24-11	AM	12:30
19832-19862	1/2							PM	8:30
								AM	9:00
								PM	9:30
						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	Cell Flake	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	80		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

CHEMICAL / ACID DATA:			

SUB TOTAL		5371.83
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

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 A 3h	Well # 1		
Field Order #	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	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 7/8		200-4		Common			5 Min.	
Depth 266	Depth	From	To	Pre Pad	Max		10 Min.	
Volume 17	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush 16	Gas Volume			

Customer Representative Lally	Station Manager Dave Scott	Treater Steve Orlando
Service Units 27283	19905/19703	19832/19862
Driver Names Calando	Lucas	Hunter

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:30					On location - Safety Meeting
					Run 6 7/8 8 7/8 Casing
					Casing on Bottom
					Break Circ w/ Pig
8:30	150		3	4	H2O Ahead
8:31	150		42.7	4	Mix 200-4 Common @ 15.17%
					Shot Down
					Release Plug
8:56	150		0	4	Start H2O Displacement
8:58	140		8	4	Connect To Surface
9:00 A	150		16	4	Plug Down - Close Top Valve
					Job Complete
					Calculate the Job
					Calculate 8 bbls 10 min
					Thank, 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: Orlado, Wier, Hunter, McCaskey						
AUTHORIZED BY:		JOB TYPE: C Nw-5 1/2 L.S.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27283	1						6-2-11			3:30
27463	1									2:30
19960/19918	1									4:00
										5:00
										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	60140 Puz	SK	50		600.00	
CC102	Collar	Lb	50		185.00	
CC111	Salt	Lb	913		456.50	
CC112	Friction Reducer	Lb	94		564.00	
CC115	Gas Block	Lb	188		968.20	
CC201	Gilsonite	Lb	1000		670.00	
CF607	Knock Down Plug Baffle 5 1/2"	ea	1		400.00	
CF1251	Auto Fill Float Shoe 5 1/2"	ea	1		360.00	
CF1651	Turbolizer 5 1/2"	ea	7	770	5390.00	
CF1901	Basket 5 1/2"	ea	1		290.00	
C704	KCL	gal	1		35.00	
CC151	Mud Slush	gal	500		430.00	
E100	Heavy Pickup Mileage	mi	40		170.00	
E101	Heavy Equipment Mileage	mi	80		560.00	
E113	Bulk Delivery	Tm	462		739.20	
CE205	Depth Charge 1000-5000'	ea	1		2520.00	
CE240	Cement Service Charge	SK	250		350.00	
CE904	Plug Container	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:
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Grafton Management	Lease No.	Date 6-2-11	
Lease A 34	Well # 1		
Field Order # 11334	Station Pant	Casing 5 7/8"	Depth
Type Job CNOV - 5 7/8"	Formation	County Barber	State KS
		Legal Description 34-32-11	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
2 3/8"	2 3/8"			AAJ 1.25% / 1.0			Max	5 Min.
Depth	Depth	From	To	Pre Pad			Min	10 Min.
Volume	Volume	From	To	Pad			Avg	15 Min.
Max Press	Max Press	From	To	Frac			HHP Used	Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	115.8		Gas Volume	Total Load
Plug Depth	Packer Depth	From	To					

Customer Representative	Station Manager D. S. ...	Treater S. ...
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Service Units	27027-22463	19900/19918							
Driver Names	U. ...	M. ...							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30 AM					Underway - 3.00, 1.00
					Rate 101.71, 3.00, 1.00, 4.883
					Rate 71.5 1-2-3-4-5-6-7
					Rate 71.5 1
3:15 PM					Change of Position - Breakdown w/r
4:00	350		20	6	KEL P. - 1.00
4:03	300		10	6	3.500 1.00 1.250 1.00
4:05	300		3	6	3.500 1.00
4:10	300		48.5	6	Mix 2.00 - AAJ 1.25% / 1.0
					Stop Down - Clear Pump 1.00
					Rate 1.00
4:40	X		X	6	Stop - Ann. Drop
4:50	300		95	5	L. 1.00
4:58	650		106	4	Stop Rate
5:00 PM	1500		115.8	4	Plug Down - Hold
					Pl. K. H. H. w 5.00 6.00/4.00
					Circulation This Job
					Job Complete
					Thru 5.00



**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 @ 06:21:18

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charles N Griffin

Ash #1

PO Box 347
Pratt, KS 67124

34-32S-12W Barber, KS

ATTN: Bruce Reed

Job Ticket: 042449 DST#: 1

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 GR/CF: 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

Capacity: 8000.00 psig

Last Calib.: 2011.05.30

Start Time: 06:21:19

End Time:

14:10:03

Time On Btm: 2011.05.30 @ 09:45:18

Time Off Btm: 2011.05.30 @ 11:48:18

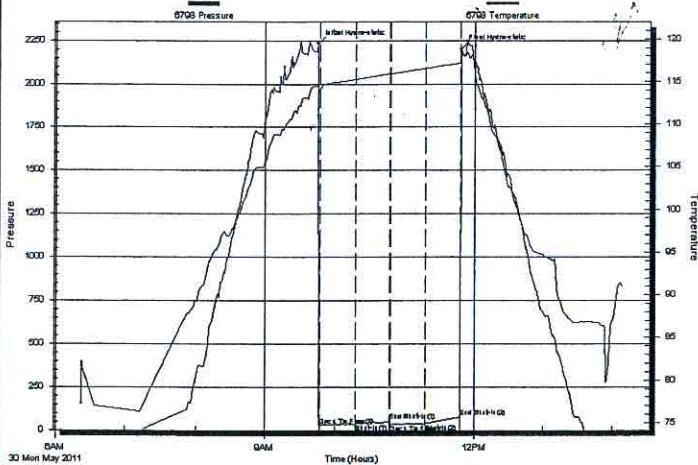
TEST COMMENT: IF: Fair Blow, BOB in 14 minutes

IS: Bled Off, No Blow back

FF: Fair Blow, 5 inches

FS: Bled Off, No Blow back

Pressure vs. Time



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
			<u>Total Volume: 60.91 bbl</u>	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	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 @ 06:21:18

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 in³

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 bbl
20.00	Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

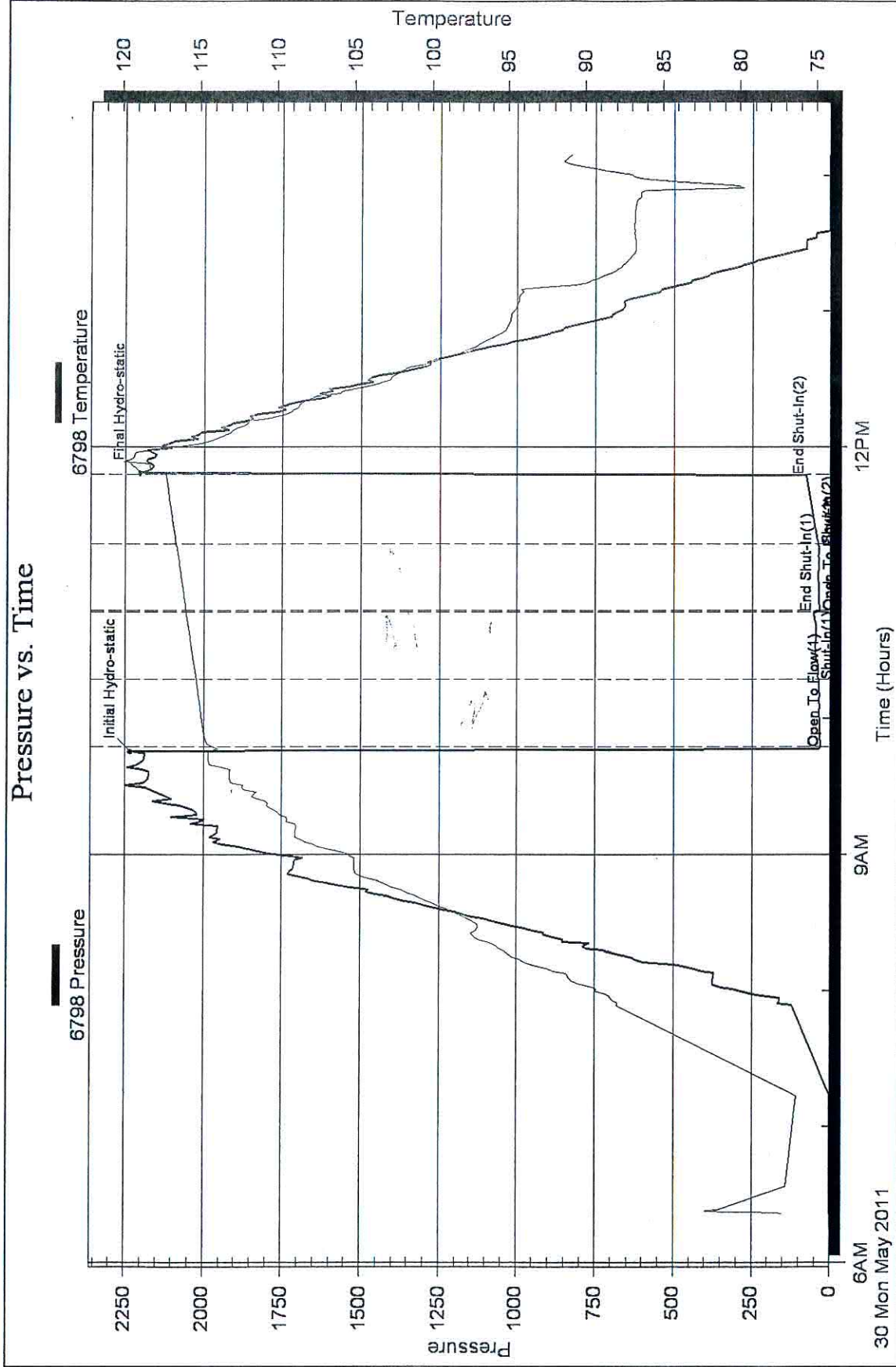
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**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

ATTN: Bruce Reed

Job Ticket: 042450

DST#: 2

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

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

Interval: 4818.00 ft (KB) To 4840.00 ft (KB) (TVD)

Reference Elevations: 1588.00 ft (KB)

Total Depth: 4840.00 ft (KB) (TVD)

1580.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

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

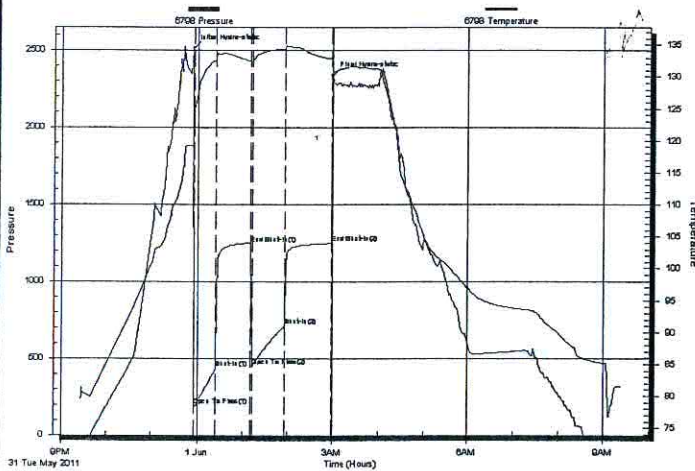
End Time: 09:24:18

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 vs. Time



PRESSURE SUMMARY

Time (Min.)	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 GIP	0.00
240.00	Salt Water	1.66
453.00	GSY OMCW 25%G 5%O 24%M 46%W	6.35
315.00	GSY WCM 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 Pull Loose: 74000.00 lb
		Total Volume: 65.88 bbl		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

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	
Stubb	1.00			4819.00	
Recorder	0.00	6798	Inside	4819.00	
Recorder	0.00	8367	Outside	4819.00	
Perforations	18.00			4837.00	
Bullnose	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:

bbl

Water Loss: 10.78 in³

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 GIP	0.000
240.00	Salt Water	1.663
453.00	GSY OMCW 25%G 5%O 24%M 46%W	6.354
315.00	GSY WCM 52%G 10%W 14%M 24%O	4.419
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



**TRILOBITE
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 ³ /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

