



KANSAS CORPORATION COMMISSION 1056718
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: (620) 672-9700
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 #: _____
02/22/2011 03/02/2011 03/24/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-185-23669-00-00
Spot Description: 20' EAST
E2 SW SE SW Sec. 22 Twp. 24 S. R. 13 East West
330 Feet from North / South Line of Section
1670 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stafford
Lease Name: RICHARDSON Well #: 1
Field Name: St John
Producing Formation: Arbuckle
Elevation: Ground: 1926 Kelly Bushing: 1935
Total Depth: 4105 Plug Back Total Depth: 4105
Amount of Surface Pipe Set and Cemented at: 232 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: 20000 ppm Fluid volume: 1360 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Bobs Hauling Service Inc
Lease Name: Waters SWD License #: 33779
Quarter NW Sec. 30 Twp. 24 S. R. 14 East West
County: Stafford Permit #: D24863

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 Garrison Date: 06/30/2011



1056718

Operator Name: Griffin, Charles N. Lease Name: RICHARDSON Well #: 1
 Sec. 22 Twp. 24 S. R. 13 East West County: Stafford

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 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: <small>Dual Induction Log Compensated Density Neutron Log Radiation Guard</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3404</td> <td>1468</td> </tr> <tr> <td>Brown Lime</td> <td>3541</td> <td>1605</td> </tr> <tr> <td>Lansing</td> <td>3563</td> <td>1627</td> </tr> <tr> <td>Bottom Kansas City</td> <td>3841</td> <td>1905</td> </tr> <tr> <td>Viola</td> <td>3942</td> <td>2006</td> </tr> <tr> <td>Simpson</td> <td>4063</td> <td>2127</td> </tr> <tr> <td>Arbuckle</td> <td>4095</td> <td>2154</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3404	1468	Brown Lime	3541	1605	Lansing	3563	1627	Bottom Kansas City	3841	1905	Viola	3942	2006	Simpson	4063	2127	Arbuckle	4095	2154
Name	Top	Datum																							
Heebner	3404	1468																							
Brown Lime	3541	1605																							
Lansing	3563	1627																							
Bottom Kansas City	3841	1905																							
Viola	3942	2006																							
Simpson	4063	2127																							
Arbuckle	4095	2154																							

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	232	Common	200	
Production	7.875	5.5	15.5	4097	AA2	200	

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
		250 gals 10% Mud Acid	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>4075'</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>03/24/2011</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. <u>8</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity <u>30</u>

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 checked="" type="checkbox"/> Open Hole <input 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>4099'-4105'</u>
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BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1718-90539197
10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 03199 A

DATE TICKET NO.

DATE OF JOB 3-2-11	DISTRICT KANSAS	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 Richardson		WELL NO. 1				
ADDRESS		COUNTY Stafford 23-24-14 STATE Kans.						
CITY		STATE						
AUTHORIZED BY		SERVICE CREW A. Worth, L. Wiser, J.R. Hunter						
		JOB TYPE: 5 1/2" Long String m.m.c.y. 150						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
28443 P.U.	3						3-2-11	8:20
37463 P.U.	3					ARRIVED AT JOB	3-2-11	11:30
19960-19918	3					START OPERATION	3-2-11	2:30
						FINISH OPERATION	3-2-11	5:30
						RELEASED	3-2-11	8:20
						MILES FROM STATION TO WELL	20-miles	

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
CP106	AA-2 cement	SK	200		\$ 3400.00
CP103	60/40 Poz	SK	50		\$ 600.00
CC102	cell FLAKE	lb	50		\$ 185.00
CC111	SALT Fine	lb	913		\$ 456.50
CC112	cement Friction Reducer	lb	94		\$ 564.00
CC115	GAS-Blok	lb	188	1.0870	\$ 204.36
CC201	Gilsonite	lb	1000		\$ 670.00
CF607	Latch down Plug + Baffle 5 1/2" Blue	EA	1		\$ 400.00
CF1001	Cement Shoe PKP type 5 1/2" Red	EA	1		\$ 390.00
CF1951	Turbolizer 5 1/2" Blue	EA	9		\$ 550.00
CF1901	Basket 5 1/2" Blue	EA	1		\$ 290.00
C904	CS-12 KCL Sub	gal	1		\$ 35.00
CC151	mud Flush	gal	500		\$ 430.00
CC503	Deerick Charge 1.5 up	EA	1		\$ 300.00

SUB TOTAL

NLS

SERVICE & EQUIPMENT

%TAX ON \$

MATERIALS

%TAX ON \$

TOTAL

~~\$72,473.73~~

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE *Allen F. Wash*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Griffin Management		Lease No.		Date	
Lease Richardson		Well # 1		3-2-11	
Field Order # 03199A	Station Pratt KS	Casing 5 1/2"	Depth 4099'	County Stafford	State KS
Type Job 5 1/2" Long string		Formation c.w.w. 4103' LTO		Legal Description 27-74-1-3	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2"			20 BBL	2% KCL				
Depth 4099'	Depth	From	To	Pre Pad	Max			5 Min.
Volume 97 BBL	Volume	From	To	Pad	Min			10 Min.
Max Press # 1500	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	Flush	HHP Used			Annulus Pressure
Plug Depth 4082'	Packer Depth	From	To	Disp	Gas Volume			Total Load

Customer Representative J.R. Griffin	Station Manager Scotty	Treater Allen
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Service Units	26443	27460	19960	19918					
Driver Names	Worth	Wiser	JR	Hunter	McGuire				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30 AM					on loc. Discuss Safety, set up Plan Job
					Rig laying down Drill Collars
12:50 PM					Start 5 1/2" casing 15.5" shoe
					JOINT 16.9 w/ PKR shoe L.D. Baffle coil
					cent-1-2-3-4-5. Basket on 1
2:50					TAG Bottom @ 4103 Pickup + 4099'
					cir. Hole, good cir. (15' in AIR)
4:00					Drop Ball to set PKR shoe
4:15	1000'				PKR shoe set @ 1200'
	200'		20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBLs mud flush
			3	5	Pump 3 BBLs H ₂ O spacer
				5	mix + Pump 200 SK AA2 @ 15.5"
			48		F.N. mix w/ wash out Pump + Line
				6 1/2	Drop L.D. Plug + Start Disp.
	400'			5	caught Lift PSI w/ 60 BBLs out
5:00	1500'		97	4	Plug down
					Release PSI. "OK"
					Plug Rat Hole w/ 30 SKs 60/40 Por
					Plug Mouse Hole w/ 20 SKs 60/40 Por
					washup + Rick up Equip.
6:30					Job complete Thanks Allen, J.R.



BASIC

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1718-90531583

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

FIELD SERVICE TICKET

1718 03195 A

DATE TICKET NO.

DATE OF JOB: 2-23-11	DISTRICT: KANSAS	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: Richardson		WELL NO.: 1				
ADDRESS:		COUNTY: Stafford 23-24-11 STATE: KANS.						
CITY:		STATE:		SERVICE CREW: A. Werth, Veach, Wiser, Pyle				
AUTHORIZED BY:		JOB TYPE: 8 5/8" surface CNW						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
28443 PT	1/2						2-23-11	11:30
27463 PT	1/2						2-23-11	1:15
19960-19918	1/2						2-23-11	7:30
							2-23-11	8:00
							2-23-11	9:00
						MILES FROM STATION TO WELL	20 miles	

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 CONTAINER PLUS 8 5/8	EA	1		\$ 160.00
IE100	UNIT MILEAGE CHARGE PICKUP	mi	20		\$ 85.00
IE101	HEAVY EQUIP MILEAGE CHARGE	mi	40		\$ 280.00
IE113	BULLE DELIVERY CHARGE	TM	188		\$ 306.80
CE200	DEPTH CHARGE 0-500	4-hr	1		\$ 1000.00
CE240	BLENDING + MIXING SERVICE CHG	SK	200		\$ 280.00
CE504	PLUS CONTAINER UTILIZATION CHG	300	1		\$ 250.00
S003	SERVICE SUPERVISOR FIRST 8 HRS OVLK	EA	1		\$ 175.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

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

TOTAL

DLSS \$ 4732.94

SERVICE REPRESENTATIVE: *Allen F. W...*

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY: *Carl E. Z...*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

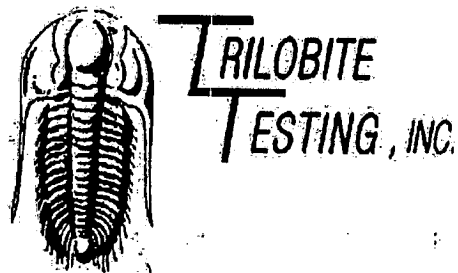
Customer: GRIFFIN MANAGEMENT	Lease No.	Date
Lease: Richardson	Well # 1	2-23-11
Field Order # 03195A	Station Pratt	Casing 8-5/8
Type Job 8-5/8 Surface	Formation TD 240	Depth 233
		County Stafford
		State KS
		Legal Description 22-74-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8-5/8	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
233'	Depth	From	To	200 STCS Common	2-1/2 CC 1/4" C.F.			15.6#
Volume 13 1/2	Volume	From	To	Pre Pad	Max			5 Min.
Max Press 300	Max Press	From	To	Pad	Min			10 Min.
Well Connection PC	Annulus Vol.	From	To	Frac	Avg			15 Min.
Plug Depth 213	Packer Depth	From	To	Flush Disp. H2O	HHP Used			Annulus Pressure
					Gas Volume			Total Load

Customer Representative	Station Manager scotty	Treater Allen F. Worth
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Service Units	28443	27463	19560	19918				
Driver Names	Worth	Veach	L. Wiser	Dale	Phye			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:5 AM					on loc. Discuss Safety, setup Plan to Rig Drilling @ 170
4:30					come out of hole w/ bit.
6:15					start 8-5/8 cas. 233'
7:25					casing @ 233'
7:26	200#				BREAK CIR. of Pump TRUCK
	300#			5 1/2	START CMT. MIX 200 STCS
			42		common w/ 2-1/2 CC 1/4" C.F. 15.6#
					Finish mixing
					Release wooden Plug
7:45	200#			5	Start Disp.
	300#		13	2	Plug down
					Shut in @ well
					Release PSI
					wash up & Rack up Equip.
					Job complete
					Thanks
					Allen, Chris, Lucas, Dale



DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

22 24 13 Stafford KS

#1 Richardson

Start Date: 2011.02.27 @ 07:25:05

End Date: 2011.02.27 @ 15:49:35

Job Ticket #: 041590 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

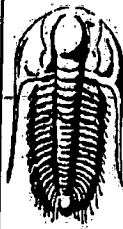
#1 Richardson

22 24 13 Stafford KS

DST # 1

LKC "J"

2011.02.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041590

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.02.27 @ 07:25:05

GENERAL INFORMATION:

Formation: LKC "I"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:35

Time Test Ended: 15:49:35

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No.: 45

Interval: 3725.00 ft (KB) To 3760.00 ft (KB) (TVD)

Total Depth: 3760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1936.00 ft (KB)

1926.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 73.33 psig @ 3726.00 ft (KB)

Start Date: 2011.02.27

End Date:

2011.02.27

Start Time: 07:25:06

End Time:

15:49:35

Capacity: 8000.00 psig

Last Calib.: 2011.02.27

Time On Btm: 2011.02.27 @ 10:06:20

Time Off Btm: 2011.02.27 @ 13:10:50

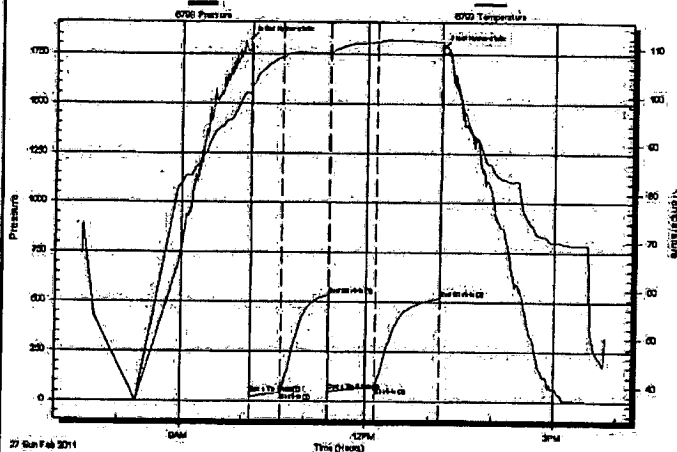
TEST COMMENT: F: Strong Blow, BOB in 1 minute 45 seconds

IS: Bled Off, No Blow back

FF: Strong Blow, BOB in 1 minute

FSt: Bled Off, No Blow back

Pressure vs. Time



PRESSURE SUMMARY

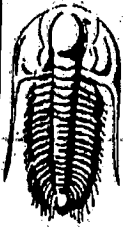
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.59	100.59	Initial Hydro-static
2	40.34	100.10	Open To Flow (1)
32	43.79	108.37	Shut-in (1)
78	537.09	109.11	End Shut-in (1)
78	51.07	108.91	Open To Flow (2)
123	73.33	111.39	Shut-in (2)
184	521.15	111.45	End Shut-in (2)
185	1775.53	111.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GSY OMCW 20%G 4%O 12%M 64%W 0.87	
62.00	GSY OWCM 20%G 14%O 32%W 34%O 0.87	
35.00	GSY OCM 20%G 20%O 60%M	0.49
0.00	300' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

ATTN: Bruce Reed

Job Ticket: 041590

DST#: 1

Test Start: 2011.02.27 @ 07:25:05

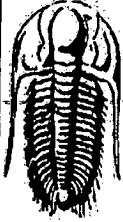
Tool Information

Drill Pipe:	Length: 3723.00 ft	Diameter: 3.80 inches	Volume: 52.22 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 52.22 bbl	Tool Chased: ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3725.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	20.00 Bottom Of Top Packer
Packer	5.00			3725.00	
Stubb	1.00			3726.00	
Recorder	0.00	6798	Inside	3726.00	
Recorder	0.00	8367	Outside	3726.00	
Perforations	31.00			3757.00	
Bullnose	3.00			3760.00	35.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041590 DST#: 1

ATTN: Bruce Reed

Test Start: 2011.02.27 @ 07:25:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Satfity: 120000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GSY OMCW 20%G 4%O 12%M 64%W	0.870
62.00	GSY OWCM 20%G 14%O 32%W 34%M	0.870
35.00	GSY OCM 20%G 20%O 60%M	0.491
0.00	300' GIP	0.000

Total Length: 159.00 ft Total Volume: 2.231 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

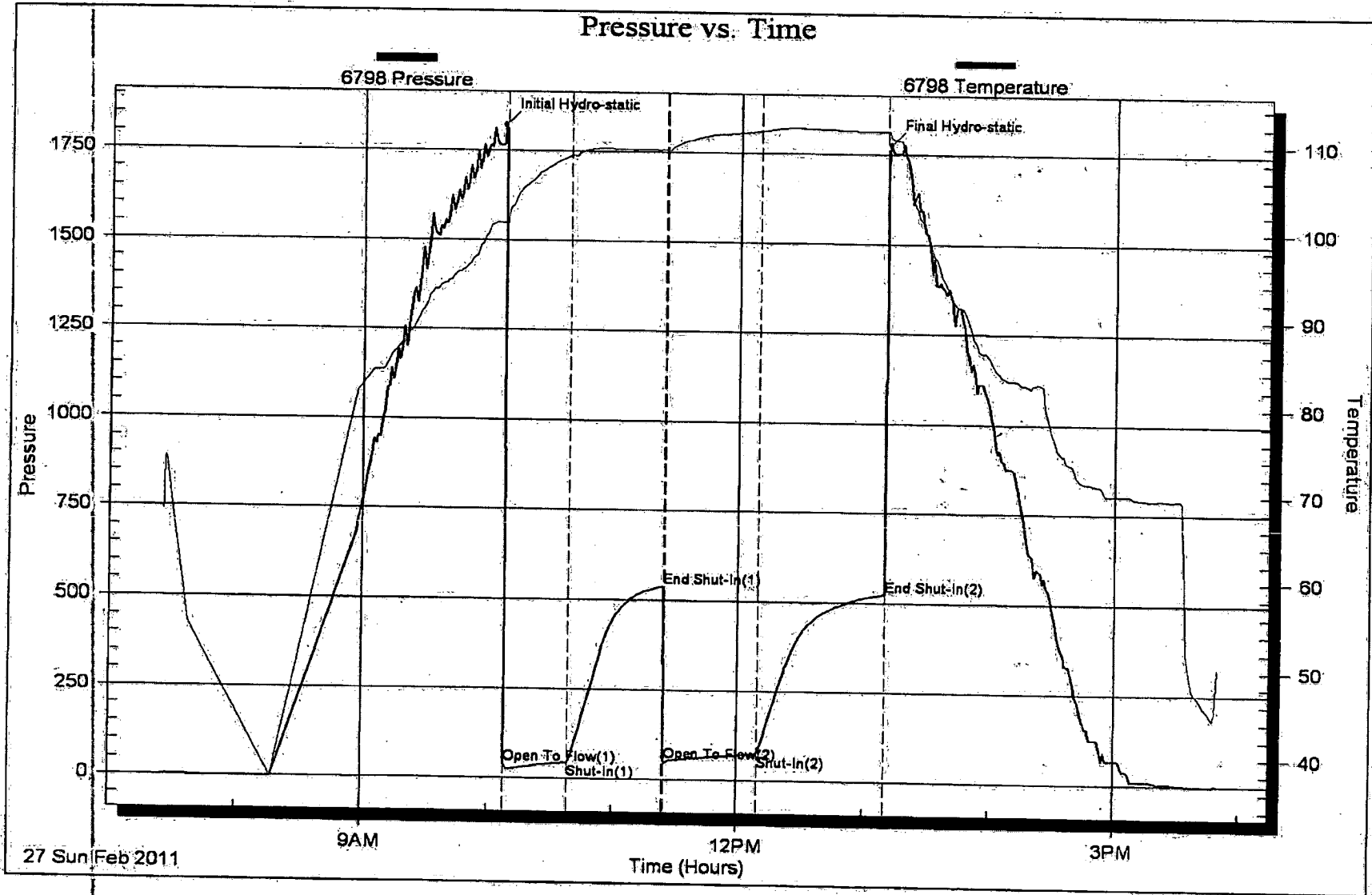
Recovery Comments: RW .09 @ 55F = 120000 chlorides

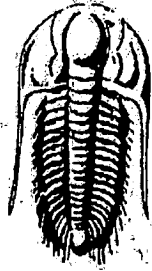
Serial #: 6798

Inside Charles N Griffin

22 24 13, Stafford KS

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box-347
Pratt, KS 67124.

ATTN: Bruce Reed

22 24 13 Stafford KS

#1 Richardson

Start Date: 2011.02.28 @ 18:31:06

End Date: 2011.03.01 @ 01:02:36

Job Ticket #: 041591 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

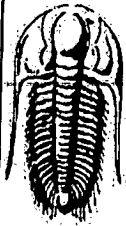
#1 Richardson

22 24 13 Stafford KS

DST # 2

Simpson

2011.02.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041591

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.02.28 @ 18:31:06

GENERAL INFORMATION:

Formation: Simpson
Deviated: No Whipstock ft (KB)

Time Tool Opened: 20:59:21

Time Test Ended: 01:02:36

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

Interval: 4065.00 ft (KB) To 4087.00 ft (KB) (TVD)

Total Depth: 4087.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1936.00 ft (KB)

1926.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 16.41 psig @ 4066.00 ft (KB)

Start Date: 2011.02.28

End Date:

2011.03.01

Start Time: 18:31:07

End Time:

01:02:36

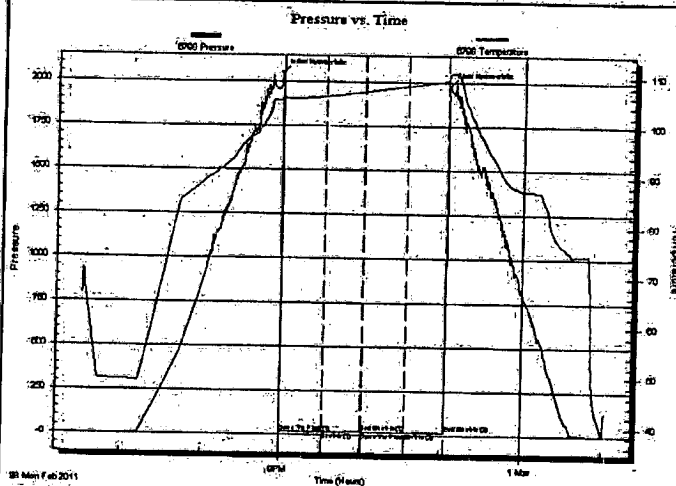
Capacity: 8000.00 psig

Last Calib.: 2011.03.01

Time On Btm: 2011.02.28 @ 20:58:06

Time Off Btm: 2011.02.28 @ 23:04:21

TEST COMMENT: IF: Weak Surface Blow
ISI: No Blow back
FF: Weak Surface Blow
FSI: No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2047.81	105.29	Initial Hydro-static
2	13.74	104.96	Open To Flow (1)
34	17.02	106.13	Shut-in(1)
63	19.93	107.13	End Shut-in(1)
63	17.25	107.13	Open To Flow (2)
96	16.41	108.31	Shut-in(2)
126	18.11	109.30	End Shut-in(2)
127	1977.33	110.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

ATTN: Bruce Reed

Job Ticket: 041591

DST#: 2

Test Start: 2011.02.28 @ 18:31:06

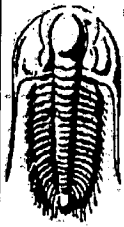
Tool Information

Drill Pipe:	Length: 4063.00 ft	Diameter: 3.80 inches	Volume: 56.99 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 56.99 bbl	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4065.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Bottom Packer is a Shale Packer

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00			4055.00	
Packer	5.00			4060.00	20.00 Bottom Of Top Packer
Packer	5.00			4065.00	
Stubb	1.00			4066.00	
Recorder	0.00	6798	Inside	4066.00	
Recorder	0.00	8367	Outside	4066.00	
Perforations	18.00			4084.00	
Bullnose	3.00			4087.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

ATTN: Bruce Reed

Job Ticket: 041591

DST#: 2

Test Start: 2011.02.28 @ 18:31:06

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:

bbf

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	Mud	0.028

Total Length: 2.00 ft

Total Volume: 0.028 bbf

Num Fluid Samples: 0

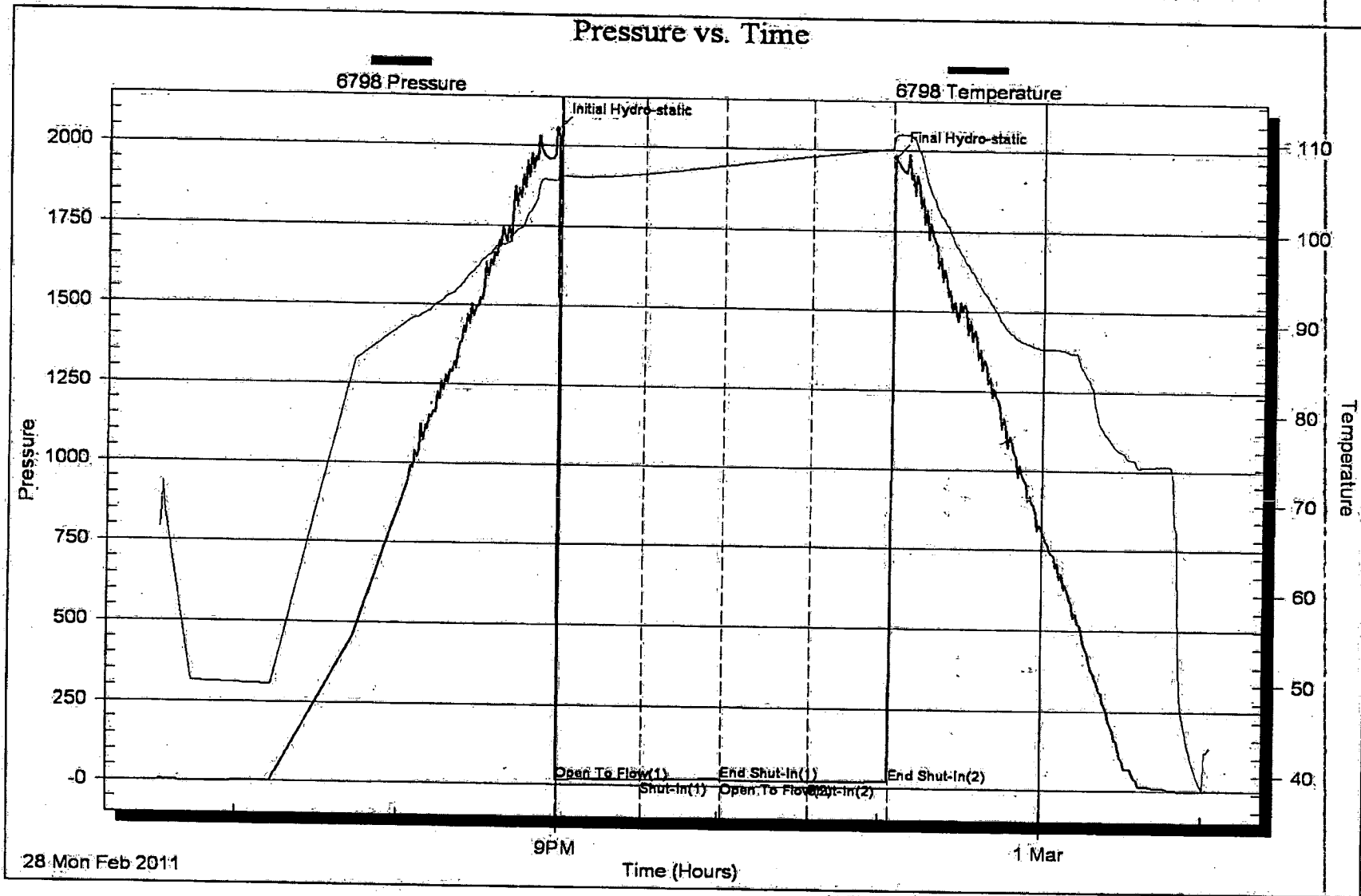
Num Gas Bombs: 0

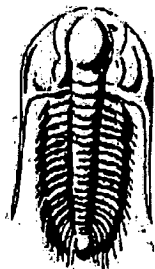
Serial #:

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

22 24 13 Stafford KS

#1 Richardson

Start Date: 2011.03.01 @ 08:12:47

End Date: 2011.03.01 @ 14:34:54

Job Ticket #: 041592 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

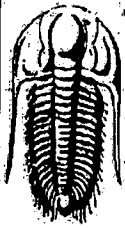
#1 Richardson

22 24 13 Stafford KS

DST # 3

Arbuckle

2011.03.01



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041592 DST#: 3

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 10:36:02
 Time Test Ended: 14:34:54

Test Type: **Conventional Bottom Hole**
 Tester: **Leal Cason**
 Unit No: **45**

Interval: **4090.00 ft (KB) To 4095.00 ft (KB) (TVD)**
 Total Depth: **4095.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1936.00 ft (KB)**
1926.00 ft (CF)
 KB to GRVCF: **10.00 ft**

Serial #: **6798**

Inside

Press@RunDepth: **111.19 psig @ 4091.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.03.01**

End Date:

2011.03.01

Last Calib.: **2011.03.01**

Start Time: **08:12:48**

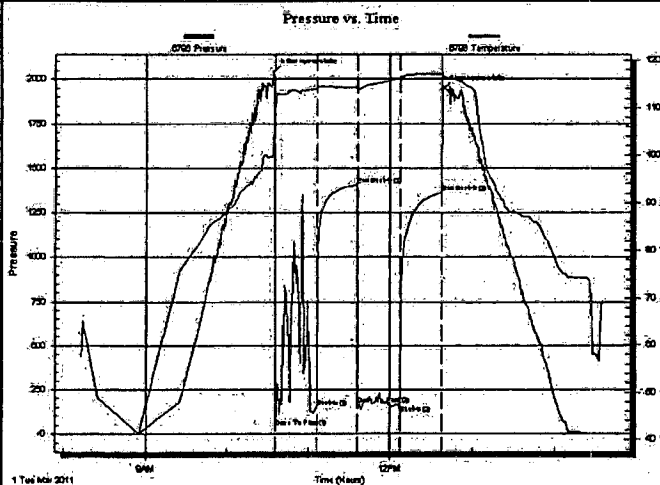
End Time:

14:34:54

Time On Btm: **2011.03.01 @ 10:34:32**

Time Off Btm: **2011.03.01 @ 12:38:32**

TEST COMMENT: **IF: Fair Blow, 5 inches**
IS: Bled Off, No Blowback
FF: Fair Blow, Built to 9 1/2 inches
FSt: Bled Off, No Blowback



PRESSURE SUMMARY

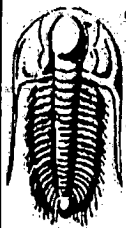
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.43	101.17	Initial Hydro-static
2	36.10	108.88	Open To Flow (1)
32	151.46	114.05	Shut-in(1)
62	1404.29	114.20	End Shut-in(1)
62	164.56	113.73	Open To Flow (2)
93	111.19	116.16	Shut-in(2)
124	1363.57	117.11	End Shut-in(2)
124	1941.60	117.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GSY Oil 5%G 95%O	0.63
0.00	1071 GP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MG/D)



TRILLOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041592

DST#:3

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

Tool Information

Drill Pipe:	Length: 4094.00 ft	Diameter: 3.80 inches	Volume: 57.43 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 57.43 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4090.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ff			
Interval between Packers:	5.00 ft			
Tool Length:	25.00 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			4075.00	
Hydraulic tool	5.00			4080.00	
Packer	5.00			4085.00	20.00 Bottom Of Top Packer
Packer	5.00			4090.00	
Stubb	1.00			4091.00	
Recorder	0.00	6798	Inside	4091.00	
Recorder	0.00	8367	Outside	4091.00	
Perforations	1.00			4092.00	
Bullnose	3.00			4095.00	5.00 Bottom Packers & Anchor
Total Tool Length:	25.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

#1 Richardson

PO Box 347
Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041592

DST#: 3

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	GSY Oil 5%G 95%O	0.631
0.00	1071 GP	0.000

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

