



KANSAS CORPORATION COMMISSION 1094521
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 # 9090
Name: Charter Energy, Inc.
Address 1: PO BOX 252
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 0252
Contact Person: Steve Baize
Phone: (620) 793-9090
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Jim Musgrove
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 #: _____
06/21/2012 06/27/2012 07/03/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-145-21678-00-00
Spot Description: _____
N2_NE_SE_SE Sec. 23 Twp. 20 S. R. 16 East West
1270 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Pawnee
Lease Name: Hanson Trust Well #: 1
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 2044 Kelly Bushing: 2051
Total Depth: 3900 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1050 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: 79000 ppm Fluid volume: 800 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 Gertson Date: 09/25/2012



1094521

Operator Name: Charter Energy, Inc. Lease Name: Hanson Trust Well #: 1
 Sec. 23 Twp. 20 S. R. 16 East West County: Pawnee

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: Dual Induction, Density Neutron, Micro	<input checked="" 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>Anhydrite</td> <td>1054</td> <td>+997</td> </tr> <tr> <td>Heebner</td> <td>3381</td> <td>-1330</td> </tr> <tr> <td>Lansing</td> <td>3474</td> <td>-1423</td> </tr> <tr> <td>Simpson</td> <td>3750</td> <td>-1699</td> </tr> <tr> <td>Simpson Sand</td> <td>3760</td> <td>-1709</td> </tr> <tr> <td>Arbuckle</td> <td>3766</td> <td>-1715</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1054	+997	Heebner	3381	-1330	Lansing	3474	-1423	Simpson	3750	-1699	Simpson Sand	3760	-1709	Arbuckle	3766	-1715
Name	Top	Datum																				
Anhydrite	1054	+997																				
Heebner	3381	-1330																				
Lansing	3474	-1423																				
Simpson	3750	-1699																				
Simpson Sand	3760	-1709																				
Arbuckle	3766	-1715																				

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	24	1050	common	425	2%gel 3%cc
Production	7.875	5.5	14	3895	EA-2	175	n/a

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	-			

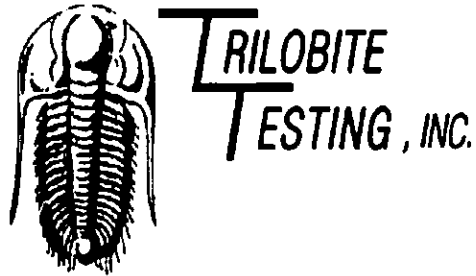
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**
PO Box 252
Great Bend KS 67601-0252

ATTN: Steve Baize

Hanson Trust #1

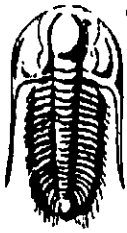
23-20s-16w Pawnee,KS

Start Date: 2012.06.26 @ 08:10:27
End Date: 2012.06.26 @ 15:29:51
Job Ticket #: 47427 DST #: 1

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

Printed: 2012.07.05 @ 13:32:20

Charter Energy Inc 23-20s-16w Pawnee,KS Hanson Trust #1 DST # 1 Arbuckle 2012.06.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67601-0252
ATTN: Steve Baize

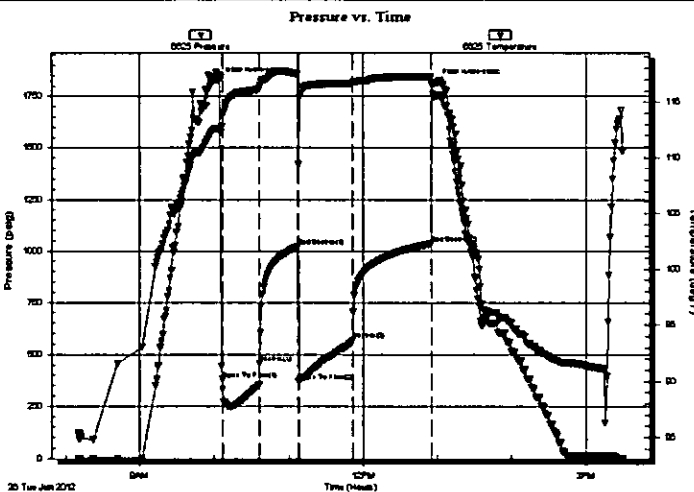
23-20s-16w Pawnee,KS
Hanson Trust #1
Job Ticket: 47427 **DST#: 1**
Test Start: 2012.06.26 @ 08:10:27

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** **ft (KB)**
Time Tool Opened: 10:06:22
Time Test Ended: 15:29:51
Interval: **3738.00 ft (KB) To 3775.00 ft (KB) (TVD)**
Total Depth: **3775.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **2051.00 ft (KB)**
2044.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **568.24 psig @ 3743.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.06.26** End Date: **2012.06.26** Last Calib.: **2012.06.26**
Start Time: **08:10:27** End Time: **15:29:51** Time On Btm: **2012.06.26 @ 10:03:52**
Time Off Btm: **2012.06.26 @ 12:59:21**

TEST COMMENT: 30-FFP-strg bl GTS in 4 min
30-ISIP-strg bl bk
45-FFP-GTS
60-FSIP-strg bl bk



PRESSURE SUMMARY

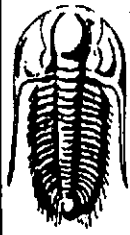
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.28	112.60	Initial Hydro-static
3	380.65	112.82	Open To Flow (1)
33	458.04	116.17	Shut-In(1)
64	1021.15	117.50	End Shut-In(1)
64	367.97	109.38	Open To Flow (2)
108	568.24	116.65	Shut-In(2)
172	1035.27	117.23	End Shut-In(2)
176	1816.49	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	HO&GCM 20%G30%O50%M	0.42
310.00	SMGO 20%G5%M75%O	4.35
372.00	CO	5.22
186.00	SOCGW 10%G2%O88%W	2.61
434.00	Water	6.09

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
First Gas Rate	0.25	15.00	46.64
Last Gas Rate	0.13	6.00	7.63
Max. Gas Rate	0.25	22.00	57.74



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
 PO Box 252
 Great Bend KS 67601-0252
 ATTN: Steve Baize

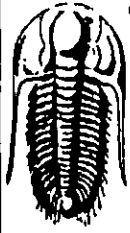
23-20s-16w Pawnee,KS
Hanson Trust #1
 Job Ticket: 47427 **DST#: 1**
 Test Start: 2012.06.26 @ 08:10:27

Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 bbl	Tool Weight: 2200.00 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
			<u>Total Volume: 52.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3738.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3718.00	
Shut in Tool	5.00			3723.00	
Hydraulic tool	5.00			3728.00	
Packer	5.00			3733.00	21.00 Bottom Of Top Packer
Packer	5.00			3738.00	
Stubb	1.00			3739.00	
Perforations	4.00			3743.00	
Recorder	0.00	6625	Inside	3743.00	
Recorder	0.00	8700	Outside	3743.00	
Perforations	29.00			3772.00	
Bullnose	3.00			3775.00	37.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67601-0252
ATTN: Steve Baize

23-20s-16w Pawnee,KS
Hanson Trust #1
Job Ticket: 47427 **DST#: 1**
Test Start: 2012.06.26 @ 08:10:27

Mud and Cushion Information

Mud Type: Polymer	Cushion Type:	Oil API: 41 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 36000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	HO&GCM 20%G30%O50%M	0.421
310.00	SMGO 20%G5%M75%O	4.348
372.00	CO	5.218
186.00	SOCGW 10%G2%O88%W	2.609
434.00	Water	6.088

Total Length: 1332.00 ft Total Volume: 18.684 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .13@104F



**TRIOLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Charter Energy Inc
PO Box 252
Great Bend KS 67601-0252
ATTN: Steve Baize

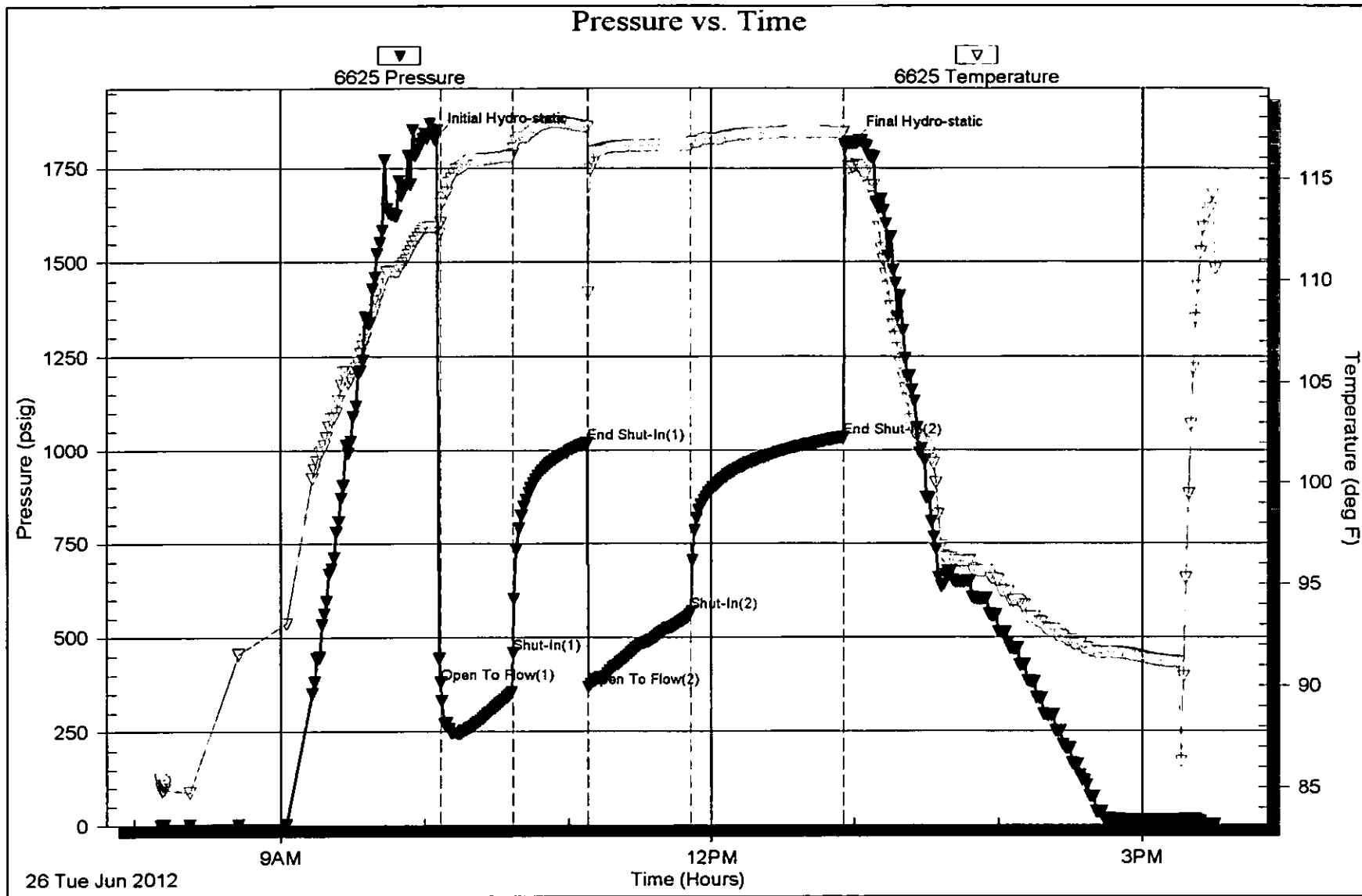
23-20s-16w Pawnee, KS
Hanson Trust #1
Job Ticket: 47427 DST#: 1
Test Start: 2012.06.26 @ 08:10:27

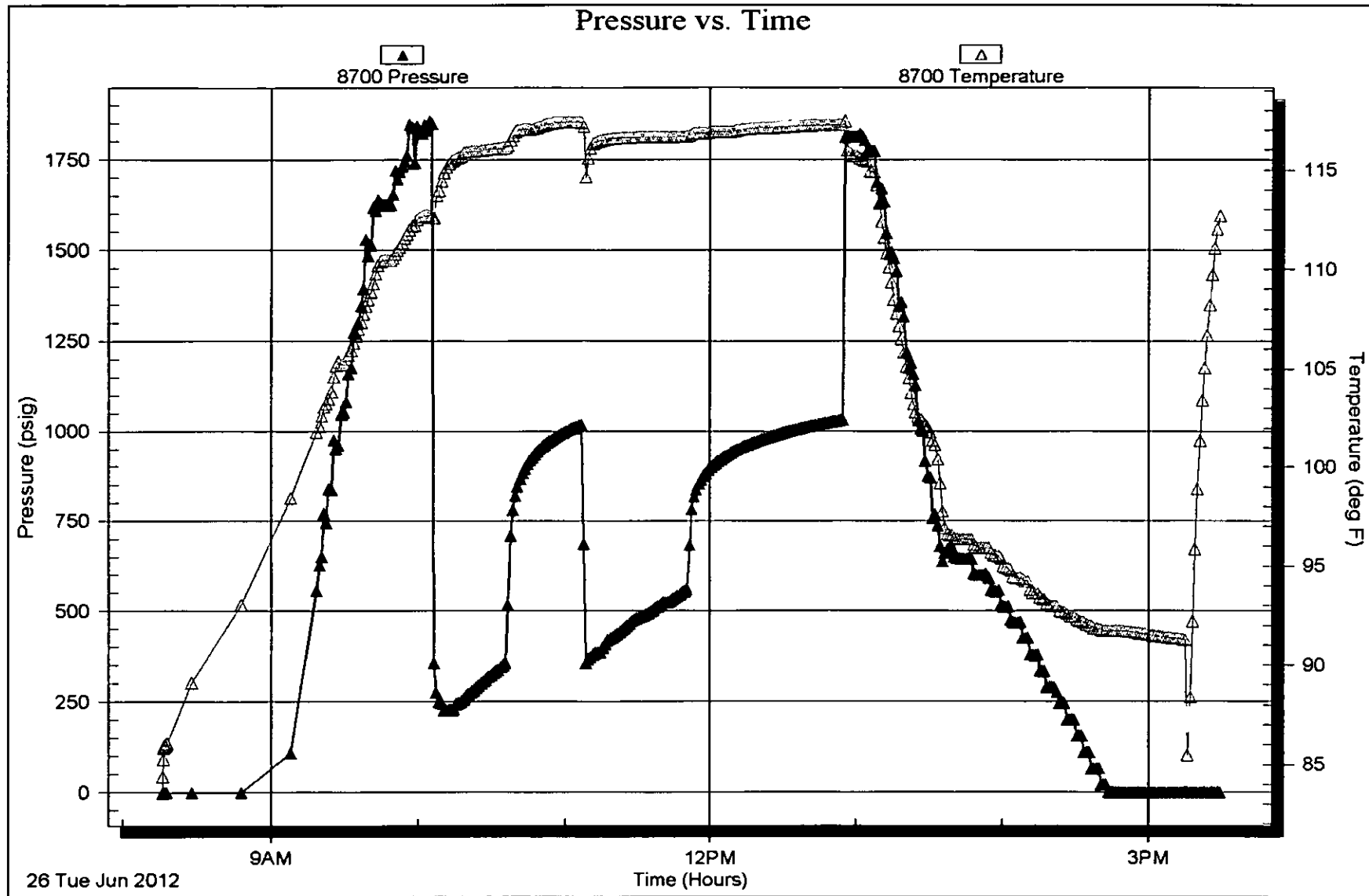
Gas Rates Information

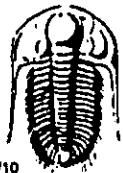
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.25	15.00	46.64
1	10	0.25	15.00	46.64
1	20	0.25	20.00	54.57
1	30	0.25	22.00	57.74
2	10	0.25	8.00	35.54
2	20	0.13	6.00	7.63
2	30	0.13	6.00	7.63







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47427

Well Name & No. HANSON TRUST #1 Test No. 1 Date 6-26-12
 Company CHARTER ENERGY INC Elevation 2051 KB 2044 GL
 Address P.O. BOX 252 GREAT BEND, KS 67530-0252
 Co. Rep / Geo. JIM MUSGRAVE Rig ROYAL 1192
 Location: Sec. 23 Twp. 20^S Rge. 16^W Co. PAWNEE State KS

Interval Tested 3738-3775 Zone Tested ARBuckle
 Anchor Length 37 Drill Pipe Run 3737 Mud Wt. 9.3
 Top Packer Depth 3733 Drill Collars Run - Vis 49
 Bottom Packer Depth 3738 Wt. Pipe Run - WL 9.4
 Total Depth 3775 Chlorides 5600 ppm System LCM -

Blow Description IFP - STRONG BLOW, GTS IN 4 MIN
IBFP - WK BLOW, TO STRONG BLOW BACK
FFP - GTS
FSIP - WK BLOW, TO STRONG BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
30	HO + GCM	20	30	50	
310	SMGO	20	75	5	
372	CO				
186	SOCGW	10	2	88	
434	WATER				

Rec Total 1332 BHT 1 Gravity 41 API RW .18 @ 104 °F Chlorides 36000 ppm

(A) Initial Hydrostatic 1827 Test 0745
 (B) First Initial Flow 380 Jars 0810
 (C) First Final Flow 458 Safety Joint 1005
 (D) Initial Shut-In 1021 Circ Sub 1250
 (E) Second Initial Flow 367 Hourly Standby 1529
 (F) Second Final Flow 568 Mileage 130 RT 201.50
 (G) Final Shut-In 1035 Sampler
 (H) Final Hydrostatic 1816 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60
 Sub Total 1351.50

Approved By _____ Our Representative RAY SCHWAGER had 404

Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made

QUALITY OILWELL CEMENTING, INC.

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

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

No. 448

Date	6-22-12	Sec.	20	Twp.	23	Range	16	County	Lawrence	State	KS	On Location		Finish	4:15 AM
Lease	hanson trust			Well No.	#1			Location Lawrence Rock wto TRD w to 90rd N 24 W 116							
Contractor	Rpluy Rig 2							Owner							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	8 3/4			T.D.	1050			Charge To							
Csg.	8 3/4			Depth	1050			Charles Eridgy							
Tbg. Size				Depth				Street PO Box 252							
Tool				Depth				City Great Bend State KS							
Cement Left in Csg.	40			Shoe Joint	40			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	65.5 BB			Cement Amount Ordered 425 3/8cc 29% gel 14 flw							
EQUIPMENT															
Pumptrk #	9	No.		Cement	Matt			Common							
Bulktrk #	13	No.		Driver	Lurvey			Poz. Mix							
Bulktrk #	14	No.		Driver	Rico			Gel. 8							
JOB SERVICES & REMARKS															
Remarks:								Calcium 15							
Flat Ho'e								Hulls							
Mouse Hole								Salt							
Centralizers								Flowseal 100#							
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
								CFL-117 or CD110 CAF 38							
								Sand							
	Cement did circulate							Handling 438							
								Mileage							
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Belt plate							
								Rubber plug							
								Pumptrk Charge Long Surface							
								Mileage 23							
												Tax			
												Discount			
												Total Charge			
Signature <u>Long Surface</u>															



CHARGE TO: **CHARTER ENERGY**
 ADDRESS:
 CITY STATE, ZIP CODE:

TICKET No 22683

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **NESS City, Ks**
 2. **NESS, Ks**
 3.
 4.

WELL PROJECT NO: **#1** LEASE: **HANSON TRUST** COUNTY/PARISH: **PAWNEE** STATE: **Ks** CITY: DATE: **6-27-12** OWNER: **SAME**

TICKET TYPE: **SALES** CONTRACTOR: **ROYAL DRILLING** RIG NAME/NO: SHIPPED VIA: **CT** DELIVERED TO: **LOCATION** ORDER NO:

WELL TYPE: **Oil** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **5'h" LONG-STRING** WELL PERMIT NO.: WELL LOCATION: **N/ LAURENS, Ks**

REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY	UM				
575		2			MILEAGE # 112	60		ME		6.00	360.00
578		2			PUMP CHARGE	1	3895	HR		1500.00	1500.00
221		1			LIQUIDS KCL	2		Gal		25.00	50.00
281		1			MUDFLUSH	500		Gal		1.25	625.00
402		1			CENTRALIZERS	8		EA		70.00	560.00
403		1			CEMENT BASKET	1		EA		250.00	250.00
406		1			LATCH DOWN PLUG - BAFFLE	1		EA		250.00	250.00
407		1			INSERT FLOAT SHOE w/AUTO FALL	1		EA		350.00	350.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X
 DATE SIGNED: **6-27-12** TIME SIGNED: **1300** P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#1	3945.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	7452.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total	11,397.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	716.08
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	12,113.08

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: **DAVE ASH** APPROVAL: _____

Thank You!



PO Box 466
Ness City, KS 67560
O#: 785-798-2300

TICKET CONTINUATION

TICKET No. 22683

CUSTOMER: CHARTER ENERGY WEL: HANSON TRUST #1 DATE: 6-27-12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.	U/M	UNIT PRICE	AMOUNT		
		LOC	ACCT	DF										
325		1				STANDARD CEMENT EA-2	175	SKS			13.50	2362.50		
276		1				FLOCELE	50	LBS			2.00	100.00		
283		1				SALT	900	LBS			.20	180.00		
284		1				CALSEAL	8	SKS	800	LBS	35.00	280.00		
286		1				HAUD-1	100	LBS			7.50	750.00		
287		1				GASSTOP	350	LBS			8.00	2800.00		
290		1				D-AER	2	GAL			35.00	70.00		
581		1				SERVICE CHARGE				CUBIC FEET	175	2.00	350.00	
583		1				MILEAGE CHARGE	TOTAL WEIGHT	18650	LOADED MILES	60	TON MILES	559.5	1.00	559.50

CONTINUATION TOTAL 7452.00

JOB LOG

SWIFT Services, Inc.

DATE 6-27-12 PAGE NO.

CUSTOMER **QUARTER ENERGY** WELL NO. **#1** LEASE **HASSON TRUST** JOB TYPE **5 1/2" LONGSTRAW** TICKET NO. **22683**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
	1445							START 5 1/2" CASING IN WELL
								TD-3900 SET-3895'
								TP-3898 5 1/2"-14"
								ST-17'
								CENTRALIZERS- 1, 3, 5, 7, 9, 11, 13, 15
								CMT BSMT - 7
	1700							DROP BALL - CIRCULATE
	1725		7-5					PLUG RH (30SK) (MH 20SK)
	1730	5.0	12		✓		200	PUMP 500 GAL MUD FLUSH
		✓	20		✓		✓	PUMP 20 BRG KCL - FLUSH
		✓	30		✓		✓	MIX CEMENT - 125 SKS FA-2 @ 15.4 PPG
								WASH OUT PUMP - LEAKS
								RELEASE CATCH DOWN PLUG
	1745	6.0	0		✓		200	DISPLACE PLUG
		✓	90				250	
	1822		94.6				1500	PLUG DOWN - PSI UP CATCH IN PLUG
								OK RELEASE PSI - HOLD
								WASH TRUCK
								JOB COMPLETE
								THANK YOU
								DAVE, JOSH, JT, JOHN, WAYNE