



KANSAS CORPORATION COMMISSION 1082866
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: Kurt Talbott
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 (Corr, 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 #: _____

03/06/2012	03/13/2012	03/20/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26276-00-00
Spot Description: _____
W2 NW NE NE Sec. 11 Twp. 15 S. R. 18 East West
330 Feet from North / South Line of Section
1020 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Werth Well #: 1
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 2012 Kelly Bushing: 2019
Total Depth: 3606 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1188 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: 68000 ppm Fluid volume: 1200 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 Garcia Date: 06/08/2012



1082866

Operator Name: Charter Energy, Inc. Lease Name: Werth Well #: 1
 Sec. 11 Twp. 15 S. R. 18 East West County: Ellis

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, Comp. Density Neutron, Micro, Sonic	<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>Anhydrite</td> <td>1181</td> <td>+838</td> </tr> <tr> <td>Heebner</td> <td>3257</td> <td>-1238</td> </tr> <tr> <td>Toronto</td> <td>3275</td> <td>-1256</td> </tr> <tr> <td>Lansing</td> <td>3304</td> <td>-1285</td> </tr> <tr> <td>Arbuckle</td> <td>3601</td> <td>-1582</td> </tr> </table>	Name	Top	Datum	Anhydrite	1181	+838	Heebner	3257	-1238	Toronto	3275	-1256	Lansing	3304	-1285	Arbuckle	3601	-1582
Name	Top	Datum																	
Anhydrite	1181	+838																	
Heebner	3257	-1238																	
Toronto	3275	-1256																	
Lansing	3304	-1285																	
Arbuckle	3601	-1582																	

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	1188	common	450	3%cc - 2% gel
Production	7.875	5.5	14	3602	EA-2	175	

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
		200 gal 20% INS	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3598</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input 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

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 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: _____ _____
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QUALITY OILWELL CEMENTING, INC.

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

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

No. 251

Date	3/7/12	Sec.	11	Twp.	15	Range	18	County	Ellis	State	KS	On Location	Finish	8:15PM	
Lease	Worth		Well No.	1		Location	Hays Mack, 2N, 1 1/2 E, S into								
Contractor	Royal Drilling Rig # 2					Owner	To Quality Oilwell Cementing, Inc.								
Type Job	Surface					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	12 1/4"		T.D.	1188'		Charge To	Charter Energy								
Csg.	9 5/8"		Depth	1188'		Street									
Tbg. Size			Depth			City	State								
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	44'		Shoe Joint	44'		Cement Amount Ordered	450 ccs Com 3% oil 2% gel								
Meas Line			Displace	73 Bbls.											

EQUIPMENT

Pumptrk	9	No.	Cementor	Paul	Common
			Helper		
Bulktrk	12	No.	Driver	Matt	Poz. Mix
			Driver		
Bulktrk	20	No.	Driver	Lornie	Gel.
			Driver		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
Est. Circ.	CFL-117 or CD110 CAF 38
Mix 450 ccs	Sand
Displace	Handling
Lead Plug	Mileage
Cement Circulated	8 1/2

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Rubber Plug + Ruffh Plate
	Head + Manifold
	Pumptrk Charge
	Mileage

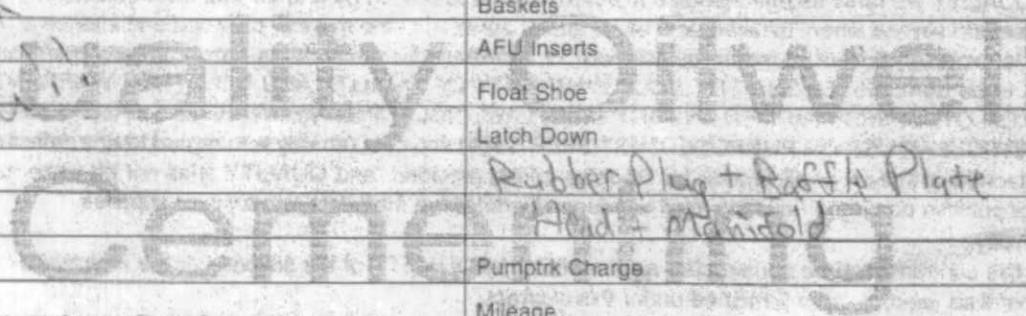
Tax

Discount

Total Charge

Signature *David R...*

Thank you!



SWIFT



Services, Inc.

P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
3/13/2012	21256

BILL TO
Charter Energy, Inc. P. O. Box 252 Great Bend, KS 67530-0252

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Nct 30	#1	Werth	Ellis	Royal Drilling	Oil	Development	LongString	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				10	Miles	6.00	60.00
578D-L	Pump Charge - Long String - 3603 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				10	Each	70.00	700.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
276	Floccl				50	Lb(s)	2.00	100.00T
283	Salt				900	Lb(s)	0.20	180.00T
284	Calseal				8	Sack(s)	35.00	280.00T
286	Halad-1 (Halad 9)				100	Lb(s)	7.50	750.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				366	Ton Miles	1.00	366.00
	Subtotal							8,243.50
	Sales Tax Ellis County						6.30%	375.95
We Appreciate Your Business!							Total	\$8,619.45

CK 5685
3-2-12



CHARGE TO Charter Energy
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET No 21256

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays, Ks.</u> 2. <u>Ness City, Ks.</u> 3. 4.	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Werth</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>Ks</u>	CITY	DATE <u>3-13-12</u>	OWNER <u>same</u>
	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Royal Drilg</u>	RIG NAME/NO.	SHIPPED VIA <u>ETK</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Longstring</u>	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE #111	70	mi		6 ⁰⁰	60 ⁰⁰
578		1			Pump Charge (Longstring)	1	ea	3603	1500 ⁰⁰	1500 ⁰⁰
221		1			KEL	2	gal		25 ⁰⁰	50 ⁰⁰
281		1			Mud Flush	500	gal		1 ²⁵	625 ⁰⁰
290		1			D-Air	2	gal		35 ⁰⁰	70 ⁰⁰
402		1			Centralizers	10	ea	5 1/2 "	70 ⁰⁰	700 ⁰⁰
403		1			Basket	1	ea		250 ⁰⁰	250 ⁰⁰
406		1			L D Plug + Baffle	1	ea		250 ⁰⁰	250 ⁰⁰
407		1			Insert Float Shoe w/fill	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 [Signature]
 DATE SIGNED 3-13-12 TIME SIGNED 1415 A.M. 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 1	3855 ⁰⁰
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				page 2	4388 ⁵⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	8243 ⁵⁰
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Ellis TAX	375 ⁹⁵
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				16.3%	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		TOTAL	8619 ⁴⁵
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR [Signature] APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 21256

CUSTOMER Charter Energy WELL #1 Worth DATE 3-13-12 PAGE 2 OF 2

LINE NO.	SECONDARY REFERENCE	QUANTITY	DESCRIPTION	UNIT	PRICE	AMOUNT
325		2	Standard Cement	175 sks	13.50	2362.50
276		2	Fleccle	50 ft	2.00	100.00
283		2	Salt	900 lb	.20	180.00
284		2	Calseal	8 sks	35.00	280.00
286		2	Halad-1	100 ft	7.50	750.00
581		2	SERVICE CHARGE	175 sks	2.00	350.00
583		2	TOTAL WEIGHT	18300	1.90	366.00
			LOADED MILES	40		
			TON MILES	366		

CONTAINER TOTAL 4398.50

JOB LOG

SWIFT Services, Inc.

DATE 3-13-12 PAGE NO. 7

CUSTOMER
Charter Energy

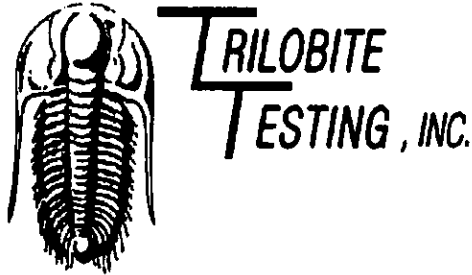
WELL NO. #1

LEASE
Werth

JOB TYPE
Longstring

TICKET NO.
21256

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							0110c W/FE
								RTD 3603'
								5 1/2" X 14 # X 30' 99' X 20'
								Cent 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
								Basket 2
	1105							start FE
	1240							Break Circ.
	1320	25	7/5					Plug RHYNH 30/20 EA-2
	1330	5	0			150		Start Mudflush 500gal
		5	12/0			150		Start KCL flush 20 bbl
	1335	6	20/0			200		start Cement 125sks EA-2
	1340		30					End Cement
								Wash P+L
								Drop LD Plug
	1345	6	0			150		Start Displacement
		6	62			200		Catch Cement
	1400		87.5			650/1000		Land Plug
								Release Pressure
								Floater Hold
Thank you								
Nick, Josh E. & Doug								



DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Steve Baize

Werth #1

11-15s-18w Ellis

Start Date: 2012.03.10 @ 21:50:35

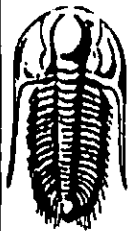
End Date: 2012.03.11 @ 02:47:29

Job Ticket #: 46264 DST #: 1

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

Printed: 2012.03.15 @ 14:26:46

Charter Energy Inc 11-15s-18w Ellis Werth #1 DST # 1 LKC 2012.03.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

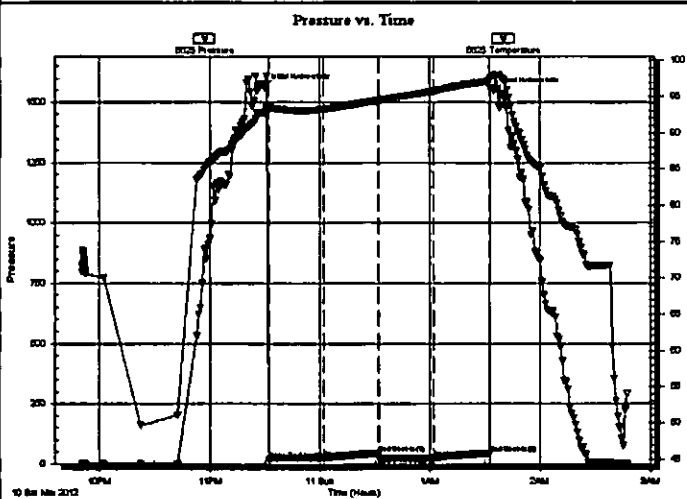
11-15s-18w Ellis
Werth #1
Job Ticket: 46264 **DST#: 1**
Test Start: 2012.03.10 @ 21:50:35

GENERAL INFORMATION:

Formation: **LKC**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
Time Tool Opened: **23:32:00** Tester: **Ray Schwager**
Time Test Ended: **02:47:29** Unit No: **42**
Interval: **3312.00 ft (KB) To 3341.00 ft (KB) (TVD)** Reference Elevations: **2019.00 ft (KB)**
Total Depth: **3341.00 ft (KB) (TVD)** **2012.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **23.96 psig @ 3313.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.03.10** End Date: **2012.03.11** Last Calib.: **2012.03.11**
Start Time: **21:50:35** End Time: **02:47:29** Time On Btm: **2012.03.10 @ 23:30:00**
Time Off Btm: **2012.03.11 @ 01:35:00**

TEST COMMENT: 30-IFP-w k bl surface to 1/4" bl
30-ISIP-no bl
30-FFP-w k bl 1/4"
30-FSIP-no bl



PRESSURE SUMMARY

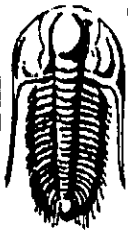
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.59	92.77	Initial Hydro-static
2	19.53	93.50	Open To Flow (1)
32	23.01	93.26	Shut-In(1)
62	43.44	94.44	End Shut-In(1)
63	21.89	94.45	Open To Flow (2)
92	23.96	95.73	Shut-In(2)
123	43.17	97.17	End Shut-In(2)
125	1547.93	97.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

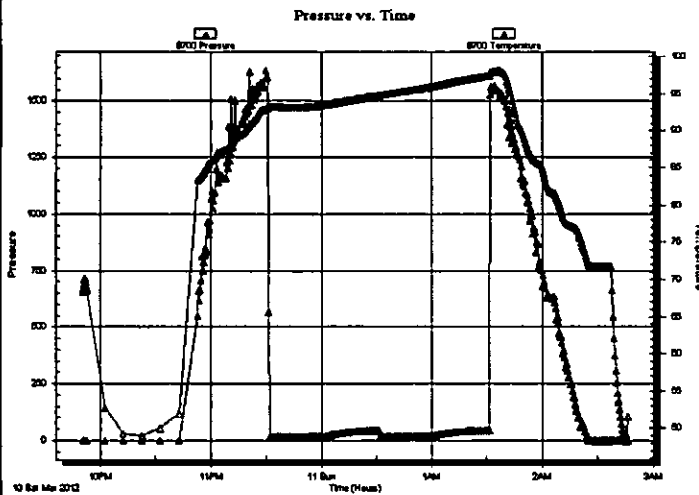
11-15s-18w Ellis
Werth #1
Job Ticket: 46264 DST#: 1
Test Start: 2012.03.10 @ 21:50:35

GENERAL INFORMATION:

Formation: LKC			Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)			Tester: Ray Schwager
Time Tool Opened: 23:32:00			Unit No: 42
Time Test Ended: 02:47:29			Reference Elevations: 2019.00 ft (KB)
Interval: 3312.00 ft (KB) To 3341.00 ft (KB) (TVD)			2012.00 ft (CF)
Total Depth: 3341.00 ft (KB) (TVD)			KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair		

Serial #: 8700	Outside				
Press@RunDepth: psig @ 3313.00 ft (KB)			Capacity: 8000.00 psig		
Start Date: 2012.03.10	End Date: 2012.03.11		Last Calib.: 2012.03.11		
Start Time: 21:50:44	End Time: 02:46:08		Time On Btm:		
			Time Off Btm:		

TEST COMMENT: 30-IFP-w k bl surface to 1/4" bl
30-ISIP-no bl
30-FFP-w k bl 1/4"
30-FSIP-no bl



PRESSURE SUMMARY

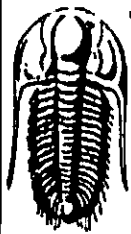
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

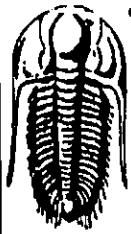
11-15s-18w Ellis
Werth #1
Job Ticket: 46264 **DST#: 1**
Test Start: 2012.03.10 @ 21:50:35

Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 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: 45000.00 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3312.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	50.00 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			3292.00	
Shut in Tool	5.00			3297.00	
Hydraulic tool	5.00			3302.00	
Packer	5.00			3307.00	21.00 Bottom Of Top Packer
Packer	5.00			3312.00	
Stubb	1.00			3313.00	
Recorder	0.00	6625	Inside	3313.00	
Recorder	0.00	8700	Outside	3313.00	
Perforations	25.00			3338.00	
Bullnose	3.00			3341.00	29.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

11-15s-18w Ellis
Werth #1
Job Ticket: 46264 **DST#: 1**
Test Start: 2012.03.10 @ 21:50:35

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.74 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

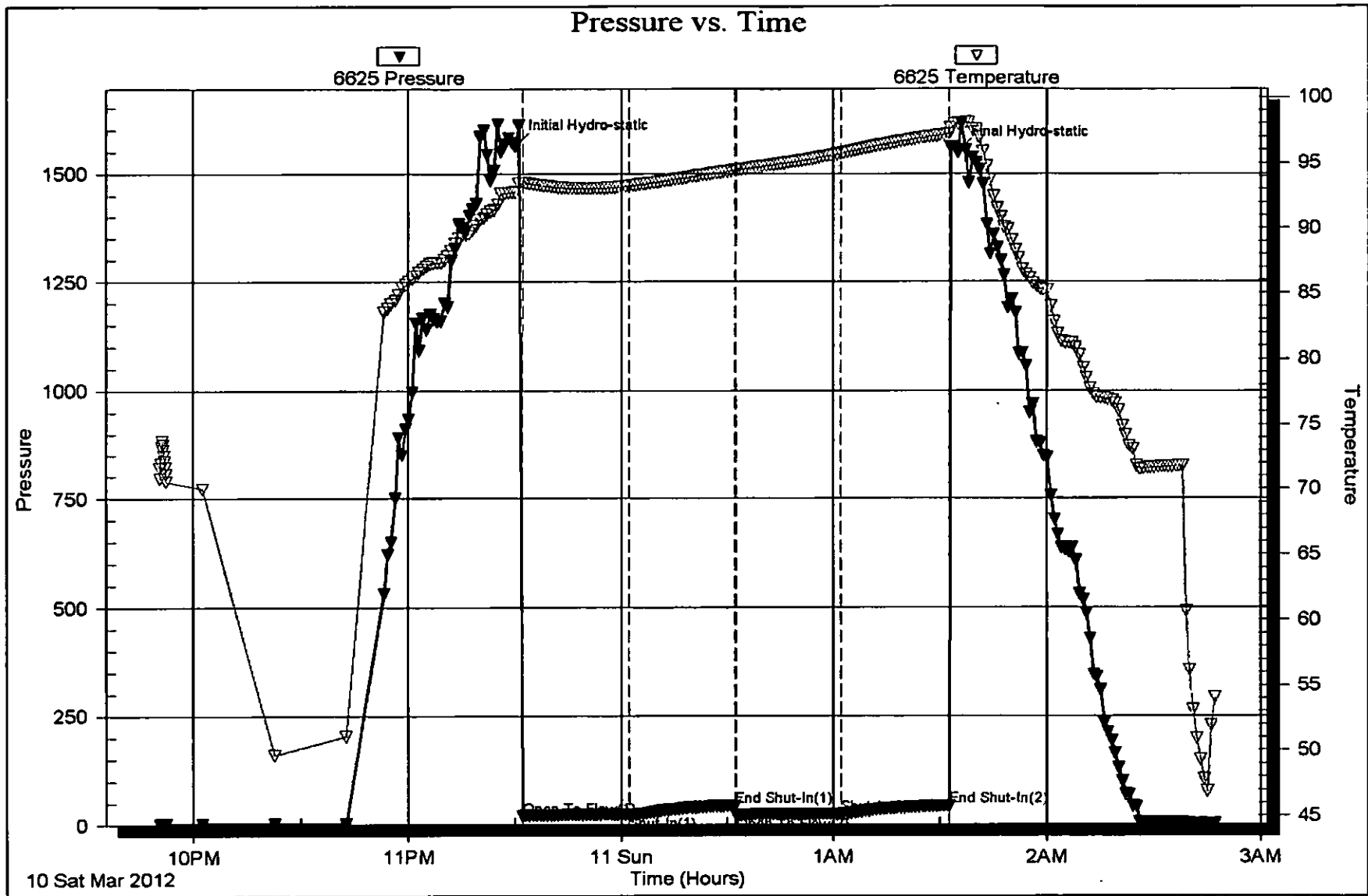
Length ft	Description	Volume bbl
20.00	Mud	0.281

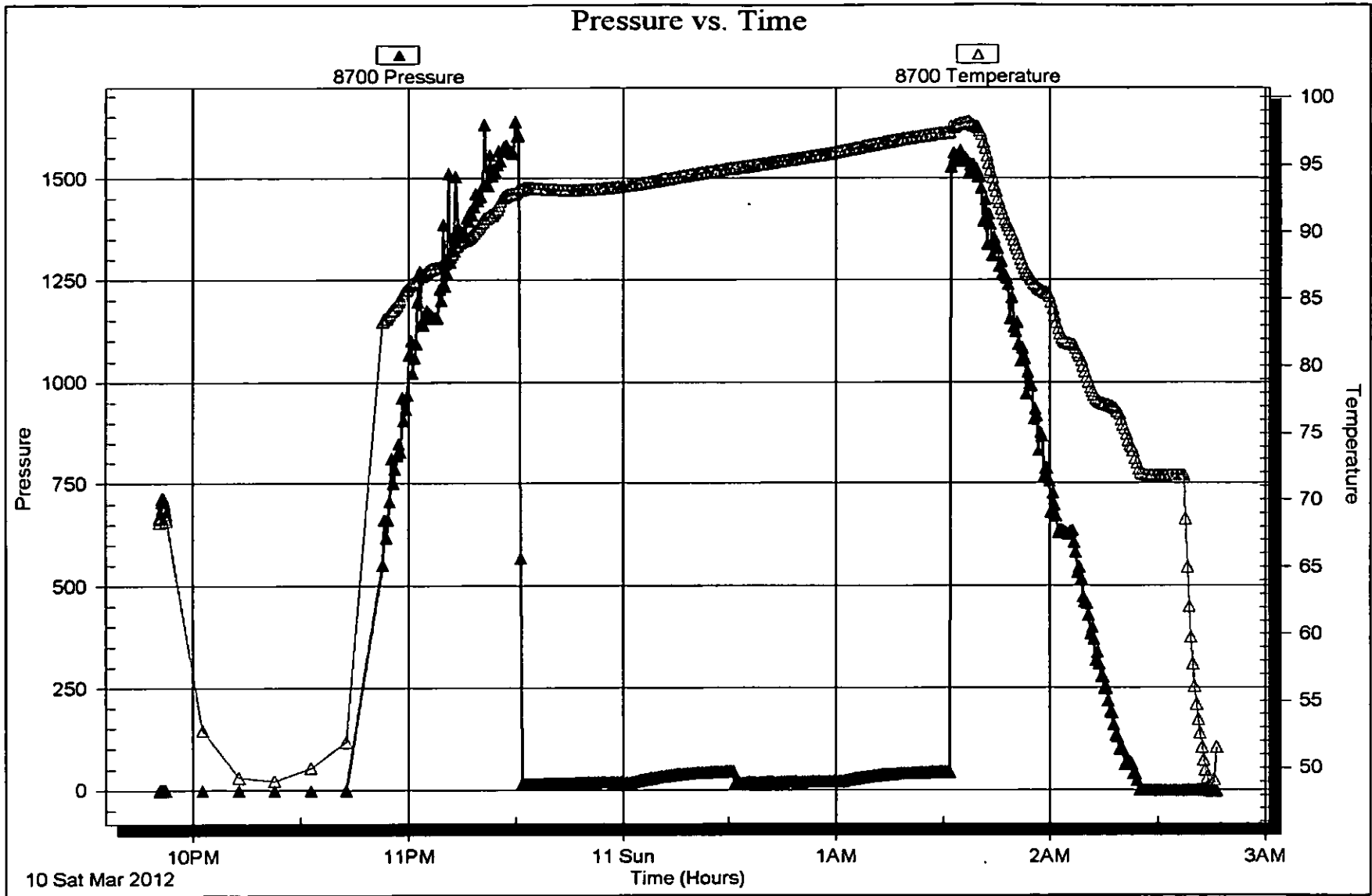
Total Length: 20.00 ft Total Volume: 0.281 bbl

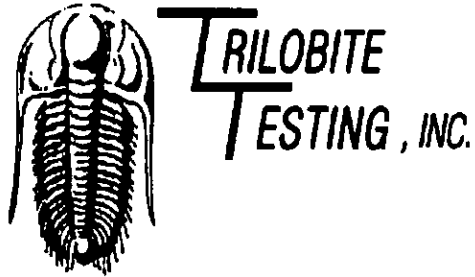
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Steve Baize

Werth #1

11-15s-18w Ellis

Start Date: 2012.03.11 @ 19:00:56

End Date: 2012.03.12 @ 00:53:50

Job Ticket #: 46265 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.15 @ 14:26:00

Charter Energy Inc 11-15s-18w Ellis Werth #1 DST # 2 LKC H-J 2012.03.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Balze

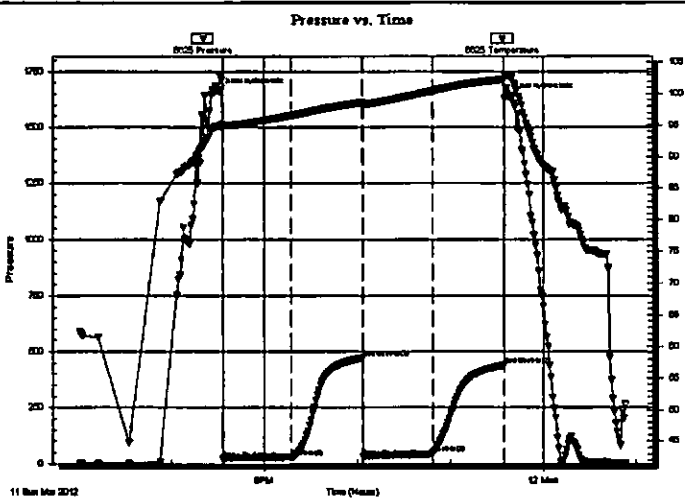
11-15s-18w Ellis
Werth #1
Job Ticket: 46265 **DST#: 2**
Test Start: 2012.03.11 @ 19:00:56

GENERAL INFORMATION:

Formation: **LKC H-J**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 20:32:51
Time Test Ended: 00:53:50
Interval: **3428.00 ft (KB) To 3485.00 ft (KB) (TVD)**
Total Depth: **3485.00 ft (KB) (TVD)**
Hole Diameter: **7.88 Inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **2019.00 ft (KB)**
2012.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **45.20 psig @ 3430.00 ft (KB)**
Start Date: **2012.03.11** End Date: **2012.03.12**
Start Time: **19:00:56** End Time: **00:53:50**
Capacity: **8000.00 psig**
Last Calib.: **2012.03.12**
Time On Btm: **2012.03.11 @ 20:30:21**
Time Off Btm: **2012.03.11 @ 23:37:50**

TEST COMMENT: 45-FFP-w k bl 1/2" to 3" bl
45-ISIP-no bl
45-FFP-w k to a fr bl 1/2" to 4 1/2" bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.35	94.82	Initial Hydro-static
3	20.83	94.93	Open To Flow (1)
47	27.82	96.47	Shut-in(1)
93	472.59	98.54	End Shut-in(1)
94	31.31	98.39	Open To Flow (2)
138	45.20	100.41	Shut-in(2)
185	439.68	102.26	End Shut-in(2)
188	1636.99	102.91	Final Hydro-static

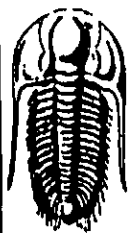
Recovery

Length (ft)	Description	Volume (bbl)
0.00	180'GIP	0.00
60.00	O&GCM 10%G8%O82%M	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530
 ATTN: Steve Baize

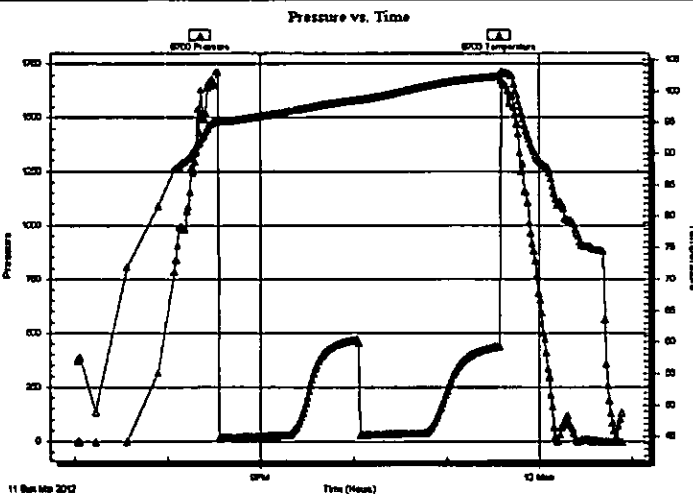
11-15s-18w Ellis
 Werth #1
 Job Ticket: 46265 DST#: 2
 Test Start: 2012.03.11 @ 19:00:56

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:32:51
 Time Test Ended: 00:53:50
 Interval: **3428.00 ft (KB) To 3485.00 ft (KB) (TVD)**
 Total Depth: 3485.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2019.00 ft (KB)
 2012.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: **8700** Outside
 Press@RunDepth: psig @ 3430.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2012.03.11 End Date: 2012.03.12
 Last Calib.: 2012.03.12
 Start Time: 19:01:57 End Time: 00:53:21
 Time On Btm: Time Off Btm:

TEST COMMENT: 45-IFP-w k bl 1/2" to 3" bl
 45-ISIP-no bl
 45-FFP-w k to a fr bl 1/2" to 4 1/2" bl
 45-FSIP-no bl



PRESSURE SUMMARY

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

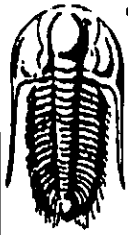
Recovery

Length (ft)	Description	Volume (bbl)
0.00	180'GIP	0.00
60.00	O&GCM 10%G8%O82%M	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530
 ATTN: Steve Baize

11-15s-18w Ellis
Werth #1
 Job Ticket: 46265 **DST#: 2**
 Test Start: 2012.03.11 @ 19:00:56

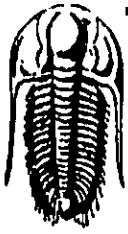
Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 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: 50000.00 lb
			<u>Total Volume: 48.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3428.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	78.00 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			3408.00	
Shut In Tool	5.00			3413.00	
Hydraulic tool	5.00			3418.00	
Packer	5.00			3423.00	21.00 Bottom Of Top Packer
Packer	5.00			3428.00	
Stubb	1.00			3429.00	
Perforations	1.00			3430.00	
Recorder	0.00	6625	Inside	3430.00	
Recorder	0.00	8700	Outside	3430.00	
Blank Spacing	32.00			3462.00	
Perforations	20.00			3482.00	
Bullnose	3.00			3485.00	57.00 Bottom Packers & Anchor

Total Tool Length: 78.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

11-15s-18w Ellis
Werth #1
Job Ticket: 46265 **DST#: 2**
Test Start: 2012.03.11 @ 19:00:56

Mud and Cushion Information

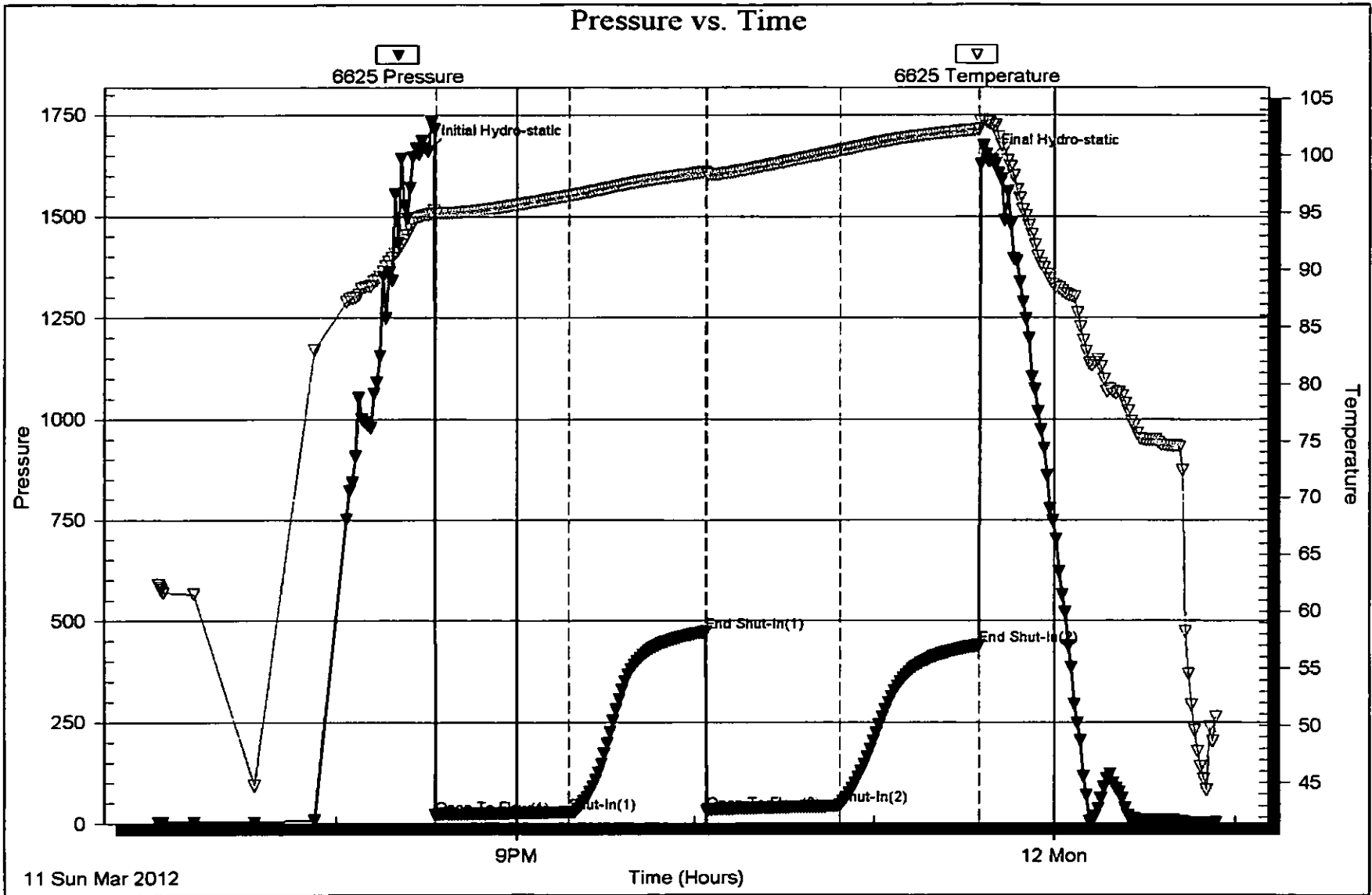
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	9.16 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6200.00 ppm				
Filter Cake:	1.00 inches				

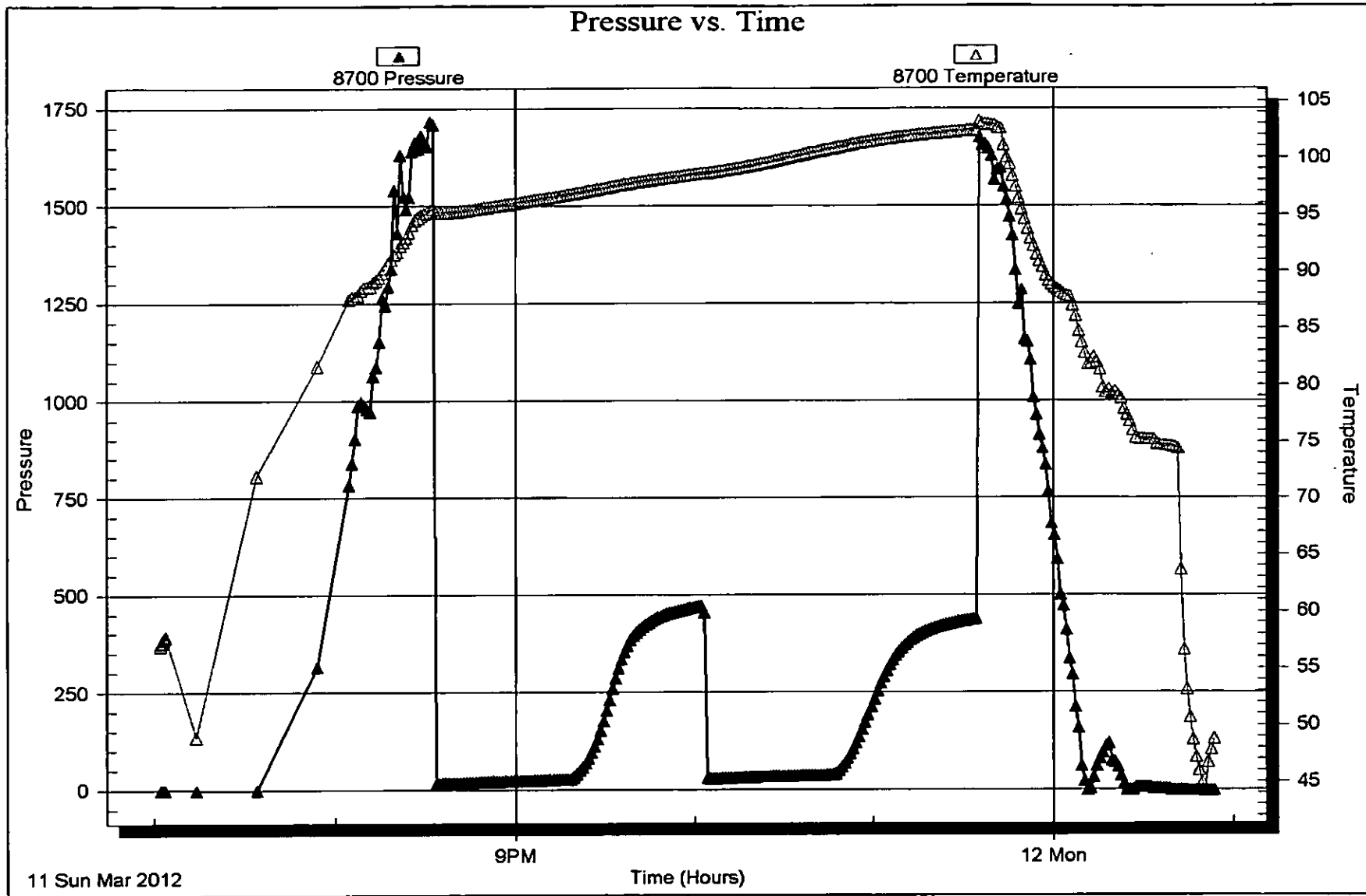
Recovery Information

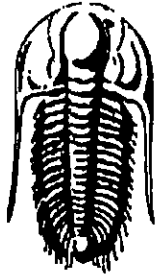
Recovery Table

Length ft	Description	Volume bbl
0.00	180'GP	0.000
60.00	O&GCM 10%G8%O82%M	0.842

Total Length: 60.00 ft Total Volume: 0.842 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: **Charter Energy Inc**

PO Box 252
Great Bend KS 67530

ATTN: Steve Baize

Werth #1

11-15s-18w Ellis

Start Date: 2012.03.12 @ 15:55:17

End Date: 2012.03.12 @ 21:49:41

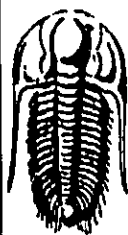
Job Ticket #: 46266 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Charter Energy Inc
11-15s-18w Ellis
Werth #1
DST # 3
Arbuckle
2012.03.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

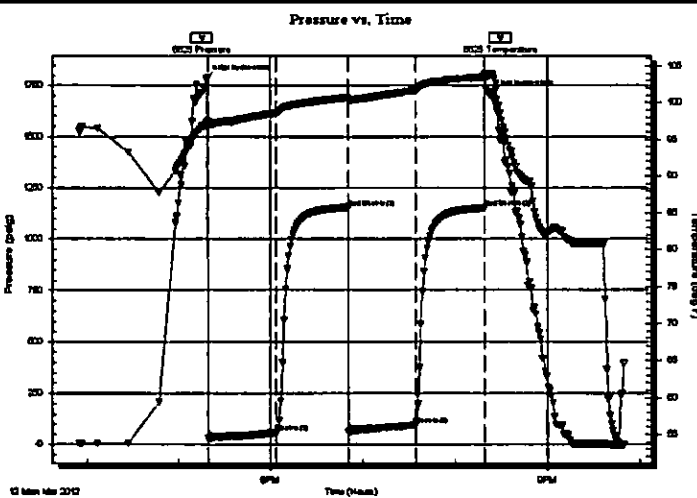
11-15s-18w Ellis
Werth #1
Job Ticket: 46266 **DST#: 3**
Test Start: 2012.03.12 @ 15:55:17

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 17:19:12
Time Test Ended: 21:49:41
Interval: **3524.00 ft (KB) To 3603.00 ft (KB) (TVD)**
Total Depth: **3603.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **2019.00 ft (KB)**
2012.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **93.92 psig @ 3537.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.03.12** End Date: **2012.03.12** Last Calib.: **2012.03.12**
Start Time: **15:55:17** End Time: **21:49:41** Time On Btm: **2012.03.12 @ 17:17:42**
Time Off Btm: **2012.03.12 @ 20:22:11**

TEST COMMENT: 45-IFP-w k to strg in 44 min
45-ISIP-no bl
45-FFP-w k to a fr bl 1/4" to 4" bl
45-FSIP-no bl 1st 10 min, then surface bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1784.09	97.21	Initial Hydro-static
2	27.62	97.13	Open To Flow (1)
46	57.45	98.62	Shut-in(1)
93	1152.78	100.68	End Shut-in(1)
93	64.73	100.43	Open To Flow (2)
137	93.92	101.72	Shut-in(2)
182	1150.99	103.49	End Shut-in(2)
185	1710.84	103.64	Final Hydro-static

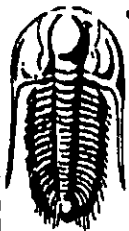
Recovery

Length (ft)	Description	Volume (bbl)
0.00	180°GIP	0.00
115.00	CO	1.61
70.00	HO&GCM 15%G35%O50%M	0.98

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy Inc
 PO Box 252
 Great Bend KS 67530
 ATTN: Steve Baize

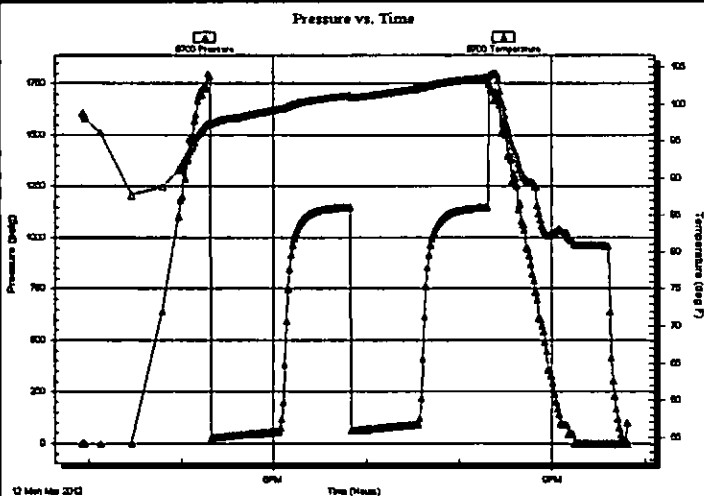
11-15s-18w Ellis
Werth #1
 Job Ticket: 46266 **DST#: 3**
 Test Start: 2012.03.12 @ 15:55:17

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **17:19:12**
 Time Test Ended: **21:49:41**
 Interval: **3524.00 ft (KB) To 3603.00 ft (KB) (TVD)**
 Total Depth: **3603.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Ray Schwager**
 Unit No: **42**
 Reference Elevations: **2019.00 ft (KB)**
 2012.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8700 **Outside**
 Press@RunDepth: psig @ **3537.00 ft (KB)**
 Start Date: **2012.03.12** End Date: **2012.03.12**
 Start Time: **15:56:00** End Time: **21:48:54**
 Capacity: **8000.00 psig**
 Last Calib.: **2012.03.12**
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-FFP-w k to strg in 44 min
 45-ISF-no bl
 45-FFP-w k to a fr bl 1/4" to 4" bl
 45-FSIF-no bl 1st 10 min, then surface bl



PRESSURE SUMMARY

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

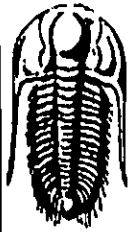
Recovery

Length (ft)	Description	Volume (bbl)
0.00	180'GIP	0.00
115.00	CO	1.61
70.00	HO&GCM 15%G35%O50%M	0.98

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

11-15s-18w Ellis
Werth #1
Job Ticket: 46266 **DST#: 3**
Test Start: 2012.03.12 @ 15:55:17

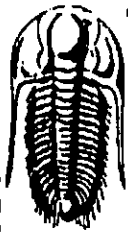
Tool Information

Drill Pipe:	Length: 3508.00 ft	Diameter: 3.80 inches	Volume: 49.21 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: 50000.00 lb
			<u>Total Volume: 49.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3524.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	100.00 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			3504.00	
Shut In Tool	5.00			3509.00	
Hydraulic tool	5.00			3514.00	
Packer	5.00			3519.00	21.00 Bottom Of Top Packer
Packer	5.00			3524.00	
Perforations	12.00			3536.00	
Stubb	1.00			3537.00	
Recorder	0.00	6625	Inside	3537.00	
Recorder	0.00	8700	Outside	3537.00	
Blank Spacing	63.00			3600.00	
Bullnose	3.00			3603.00	79.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy Inc
PO Box 252
Great Bend KS 67530
ATTN: Steve Baize

11-15s-18w Ellis
Werth #1
Job Ticket: 46266
DST#: 3
Test Start: 2012.03.12 @ 15:55:17

Mud and Cushion Information

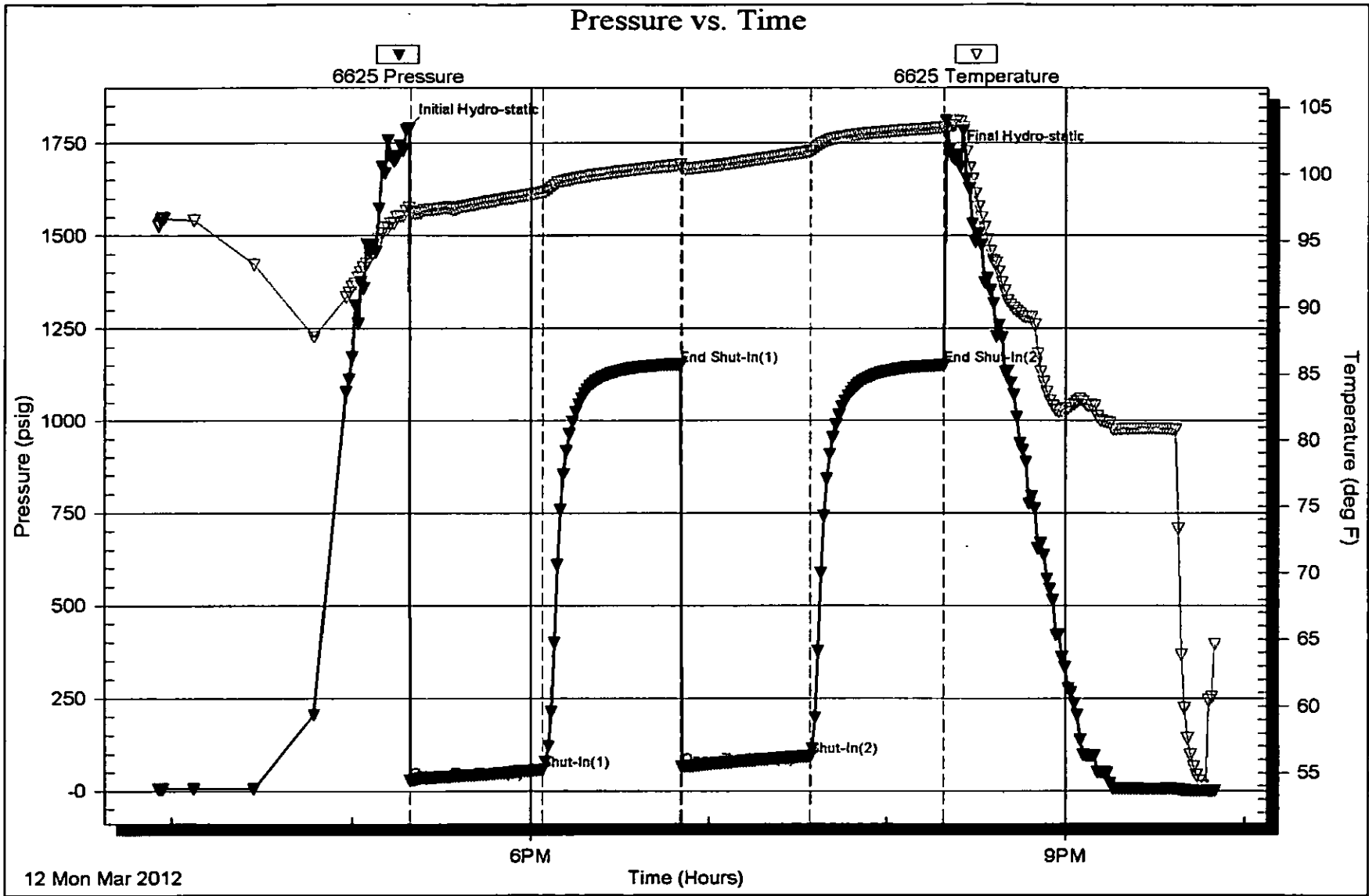
Mud Type: Gel Chem	Cushion Type:	Oil API:	34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8100.00 ppm			
Filter Cake: 1.00 inches			

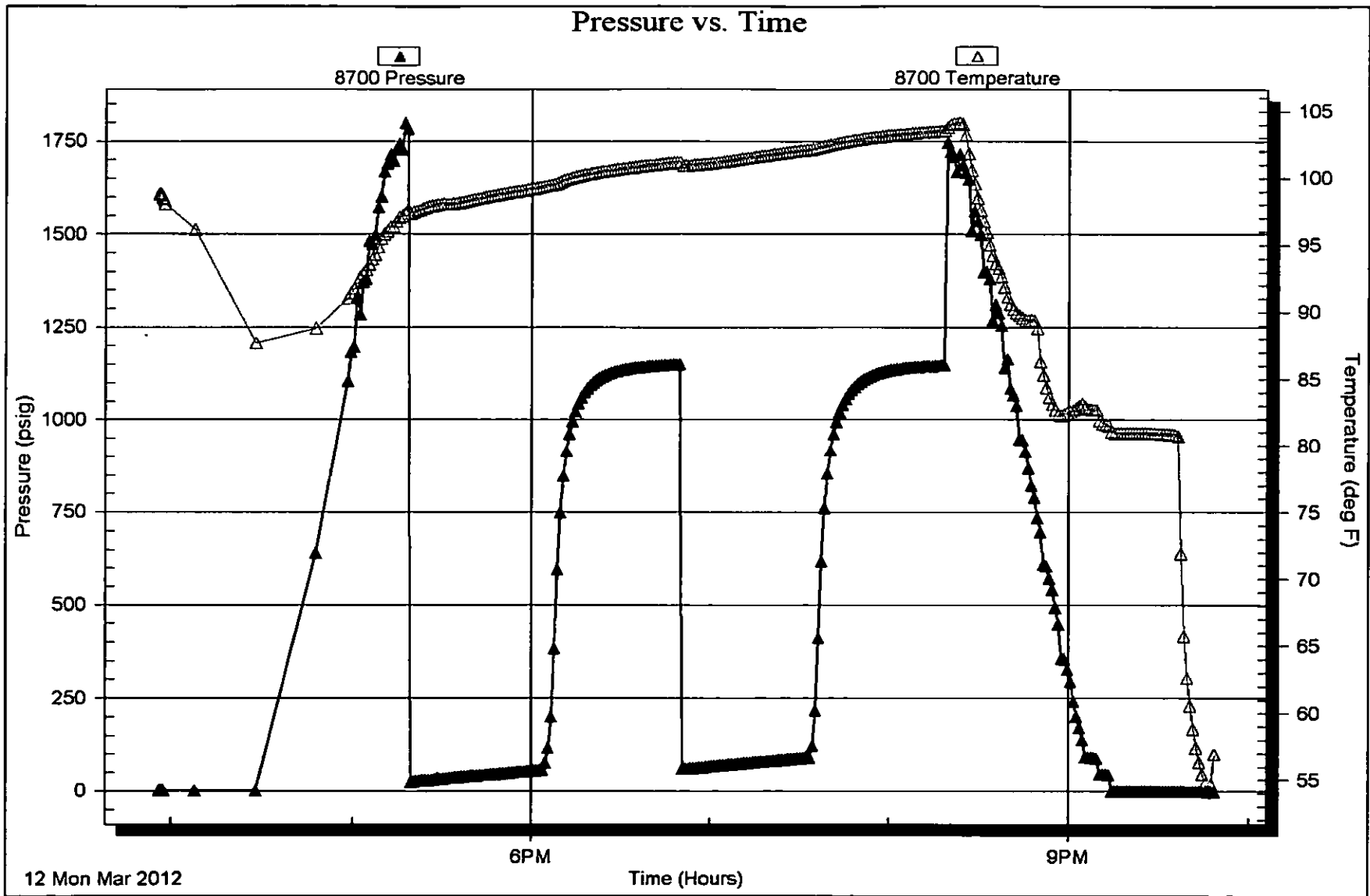
Recovery Information

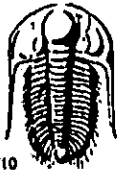
Recovery Table

Length ft	Description	Volume bbl
0.00	180'GP	0.000
115.00	CO	1.613
70.00	HO&GCM 15%G35%O50%M	0.982

Total Length: 185.00 ft Total Volume: 2.595 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 12 2012

Test Ticket

NO. 46264

Well Name & No. WERTH #1 BY: _____ Test No. 1 Date 3-30-12
 Company CHARTER Energy Inc Elevation 2019 KB 2012 GL
 Address _____
 Co. Rep / Geo. Steve Baize Rig Royal rig 2
 Location: Sec. 11 Twp. 15^s Rge. 18^w Co. ELLIS State Ks

Interval Tested 3312-3341 Zone Tested LKC
 Anchor Length 29 Drill Pipe Run 3299 Mud Wt. 8.9
 Top Packer Depth 3307 Drill Collars Run - Vis 51
 Bottom Packer Depth 3312 Wt. Pipe Run - WL 8.8
 Total Depth 3341 Chlorides 5300 ppm System LCM 1#

Blow Description IFP - WEAK BLOW Thru-out surface to 1/4" Blow
ISIP - NO BLOW
FFP - WEAK BLOW Thru-out 1/4" Blow
FBIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>				
____	____				
____	____				
____	____				
____	____				

Rec Total 20 BHT _____ Gravity - API RW - @ _____ F Chlorides - ppm
 (A) Initial Hydrostatic 1562 Test 11.25 T-On Location 2100
 (B) First Initial Flow 19 Jars _____ T-Started 2150
 (C) First Final Flow 23 Safety Joint _____ T-Open 2320
 (D) Initial Shut-In 43 Circ Sub _____ T-Pulled 0120
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 0247
 (F) Second Final Flow 23 Mileage 20 RT 28⁰⁰ Comments _____
 (G) Final Shut-In 43 Sampler _____
 (H) Final Hydrostatic 1547 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1153
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1153

Approved By _____ Our Representative Ray Schwager Thank you
 TriLOBITE 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

MAR 12 2012

Test Ticket

NO. 46265

Well Name & No. WORTH #1 BY: _____ Test No. 2 Date 3-11-12
 Company CHARTER ENERGY INC Elevation 2019 KB 2012 GL _____
 Address _____
 Co. Rep / Geo. STEVE BAISE Rig ROYAL RIG 2
 Location: Sec. 11 Twp. 15^S Rge. 18^W Co. ELLIS State KS

Interval Tested 3428-3485 Zone Tested LKC H-J
 Anchor Length 57 Drill Pipe Run 3423 Mud Wt. 9
 Top Packer Depth 3223 Drill Collars Run - Vis 53
 Bottom Packer Depth 3428 Wt. Pipe Run - WL 9.2
 Total Depth 3485 Chlorides 6200 ppm System LCM 1#

Blow Description IFP - WEAK BLOW, 1/2" TO 3" BLOW
ISIP - NO BLOW
FFP - WEAK TO A FAIR BLOW 1/2" TO 4 1/2" BLOW
FBIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>GIP</u>				
<u>60</u>	<u>0+GCM</u>	<u>10</u>	<u>8</u>	<u>82</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

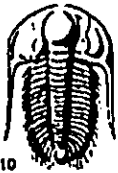
Rec Total 60 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1660 Test 1125' T-On Location 1850
 (B) First Initial Flow 20 Jars _____ T-Started 1900
 (C) First Final Flow 27 Safety Joint _____ T-Open 2035
 (D) Initial Shut-In 472 Circ Sub _____ T-Pulled 2335
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 0053
 (F) Second Final Flow 45 Mileage 20 RT 28' Comments _____
 (G) Final Shut-In 439 Sampler _____
 (H) Final Hydrostatic 1636 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 45 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1153
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1153

Approved By _____ Our Representative RAY SILWAGER Thank you

TriLOBITE 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2012
BY: _____

Test Ticket

NO. 46266

Well Name & No. WORTH #1 Test No. 3 Date 3-12-12
 Company CHARTER ENERGY Elevation 2019 KB 2012 GL
 Address _____
 Co. Rep / Geo. STEVE BAISE Rig ROYAL RIG 2
 Location: Sec. 11 Twp. 15^S Rge. 18^W Co. ELLIS State Ks

Interval Tested 3524-3603 Zone Tested ARBUCKLE
 Anchor Length 79 Drill Pipe Run 3508 Mud Wt. 9.2
 Top Packer Depth 3519 Drill Collars Run - Vis SS
 Bottom Packer Depth 3524 Wt. Pipe Run - WL 10.4
 Total Depth 3603 Chlorides 8100 ppm System LCM 1#

Blow Description IFP - WEAK TO STRONG 10 44 MIN
ISTP - NO BLOW
FFP - WEAK TO A FAIR BLOW 1/4" TO 4" BLOW
FSTP - NO BLOW 1ST 10 MIN, THEN SURFACE BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>GTP</u>				
<u>115</u>	<u>CO</u>				
<u>70</u>	<u>HO+GCM</u>	<u>15</u>	<u>35</u>	<u>50</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 185 BHT 103 Gravity 34 API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic <u>1784</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>1525</u>
(B) First Initial Flow <u>27</u>	<input type="checkbox"/> Jars _____	T-Started <u>1555</u>
(C) First Final Flow <u>57</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>1720</u>
(D) Initial Shut-In <u>1152</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2020</u>
(E) Second Initial Flow <u>64</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2149</u>
(F) Second Final Flow <u>93</u>	<input checked="" type="checkbox"/> Mileage <u>20 RT 28⁰⁰</u>	Comments _____
(G) Final Shut-In <u>1150</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1710</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1153

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1153
 MP/DST Disc't _____

Approved By _____

Our Representative RAY SCHWAGER thank you

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