



KANSAS CORPORATION COMMISSION 1082022
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: James C. 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 #: _____
12/29/2011 01/07/2012 01/19/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-145-21658-00-00

Spot Description: _____
NE NE SW NW Sec. 25 Twp. 20 S. R. 16 East West
1571 Feet from North / South Line of Section
1232 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Pawnee
Lease Name: Mauney Well #: 1
Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 2060 Kelly Bushing: 2067

Total Depth: 3920 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1065 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: 6000 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 Garrison Date: 05/21/2012



1082022

Operator Name: Charter Energy, Inc. Lease Name: Mauney Well #: 1
 Sec. 25 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, Comp. 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>1053</td> <td>+1014</td> </tr> <tr> <td>Heebner</td> <td>3393</td> <td>-1326</td> </tr> <tr> <td>Douglas</td> <td>3423</td> <td>-1356</td> </tr> <tr> <td>Lansing</td> <td>3492</td> <td>-1425</td> </tr> <tr> <td>Arbuckle</td> <td>3787</td> <td>-1720</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1053	+1014	Heebner	3393	-1326	Douglas	3423	-1356	Lansing	3492	-1425	Arbuckle	3787	-1720
Name	Top	Datum																	
Anhydrite	1053	+1014																	
Heebner	3393	-1326																	
Douglas	3423	-1356																	
Lansing	3492	-1425																	
Arbuckle	3787	-1720																	

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	1065	common	400	3%cc 2% gel
Production	7.875	5.5	14	3919	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
4	3793 to 3797		

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3841</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>02/03/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf	Water Bbls. <u>260</u>	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 type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	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. 557

Date	12-30-11	Sec.	25	Twp.	20	Range	16	County	Pawnee	State	Ks	On Location		Finish	5:30 pm		
Lease	Mauvey	Well No.	1		Location O-15, Ks - 17 S, E/S												
Contractor	Royal		B2		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	12 1/4"		T.D.		1065'		Charge To									Charter Energy	
Csg.	8 5/8"		Depth		1065'		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.	40.80		Shoe Joint		40.80		Cement Amount Ordered									400 SY Common 3% GL	
Meas Line			Displace		65.4 BLS		EQUIPMENT									2% GL	
Pumptrk	15 No.		Cementing Helper		Craige		Common										
Bulktrk	12 No.		Driver		MIKE		Poz: Mix										
Bulktrk	p.l. No.		Driver		RICK		Gel										
JOB SERVICES & REMARKS														Calcium			
Remarks: Mauvey 1														Hulls			
Rat Hole														Sall			
Mouse Hole														Flowseal			
Centralizers														Kol-Seal			
Baskets														Mud CLR 48			
D/V or Port Collar														CFL-117 or CD110, CAF 38			
Cement did circulate														Sand			
														Handling			
														Mileage			
														FLOAT, EQUIPMENT			
														Guide Shoe			
														Centralizer			
														Baskets			
														AFU Inserts			
														Float Shoe			
														Latch Down			
														1- Baffle plate			
														1- RASHERS plug			
														Pumptrk Charge			
														Mileage			
														Tax			
														Discount			
Signature: <i>W. Bud...</i>														Total Charge			



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



Invoice

DATE	INVOICE #
1/7/2012	21584

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	Mauney	Pawnee	Royal Drilling	Oil	Development	5-1/2" LongString	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	6.00	450.00
578D-L	Pump Charge - Long String - 3919 Fcct				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
402-5	5 1/2" Centralizer				8	Each	70.00	560.00T
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	Flocele				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
287	Gas Stop (2 LBS/SK)				350	Lb(s)	8.00	2,800.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				699.38	Ton Milcs	1.00	699.38
Subtotal								11,376.88
Sales Tax Pawnee County							8.30%	695.33

CK 5449
1-19-12

Thank You For Your Business In 2011! We Look Forward To Serving You In 2012!	Total	\$12,072.21
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CHARGE TO: **CHARTER ENERGY**

ADDRESS

CITY, STATE, ZIP CODE

TICKET No 21584

PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS	WELL PROJECT NO #1	LEASE MAWNEY	COUNTY/PARISH PAWNEE	STATE Ks	CITY	DATE 1-7-12	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR ROYAL DRILLING	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRENGTH	WELL PERMIT NO.	WELL LOCATION PAWNEE ROCK Ks-3 1/2w, 1 1/2 N		
4. 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 #110	75	MI		6.00	450.00
578		1			PUMP CHARGE	1	TR	3919	FT	1500.00
221		1			LIQUID NCL	2	GL		25.00	50.00
281		1			MUD FLUSH	500	Gal		1.25	625.00
402		1			CEMENTIZERS	8	EA	5 1/2"	70.00	560.00
403		1			CEMENT BASKET	1	EA		250.00	
406		1			CATCH DOWN PLUG - BAFFLE	1	EA		250.00	250.00
407		1			INSERT FLOAT SHOE w/ AUTO FILL	1	EA		350.00	350.00
419		1			ROTARY HEAD ASSEMBLY	1	TR		200.00	200.00

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 **1-7-12** TIME SIGNED **1330** 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	3785.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	7591.88
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	11,376.88
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	695.33
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Pawnee 8.3%	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	12,072.21
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

SWIFT OPERATOR **WAYNE WILSON** APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1-7-12 PAGE NO.

CUSTOMER CHARTER ENERGY WELL NO. # 1 LEASE MAUDEY JOB TYPE 5/2 LONGSTRING TICKET NO. 21584

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							ON LOCATION
	1745							START 5/2" CASING IN WELL
								TD-3920' SET-3919
								TP-3919' 5/2" #14
								ST-21'
								CONTRACTORS - 1, 3, 5, 7, 9, 11, 13, 15
								CEMENT BASKET - N/A
	1915							DROP BALL - CORRUPT
	2000	7	12		✓		450	PUMP 500 GAL MUD FLUSH
	2002	7	20		✓		450	PUMP 20 BBL KCL FLUSH
	2010		7-5					PLUG RH (30SKS) MH (20SKS)
	2015	4 1/4	30		✓		250	MIX CEMENT - 125 SYS EA-2 @ 15.5 PPG
	2023							WASH OUT PUMP - LEAKS
	2024							RELEASE LATCH DOWN PLUG
	2027	7	0		✓			DISPLACE PLUG
	2040	6	95.1				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	2042							OK RELEASE PSE - HELD
								WASH TRUCK
	2130							JOB COMPLETE
								THANK YOU WAYNE, JEFF, ROB



DRILL STEM TEST REPORT

Prepared For: **Charter Energy, Inc**

PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

Mauney #1

25-20s-16w Pawnee,KS

Start Date: 2012.01.05 @ 08:08:33

End Date: 2012.01.05 @ 16:14:18

Job Ticket #: 44712 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.21 @ 10:41:45



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy, Inc
PO Box 252
Great Bend, KS 67530
ATTN: Jim Musgrove

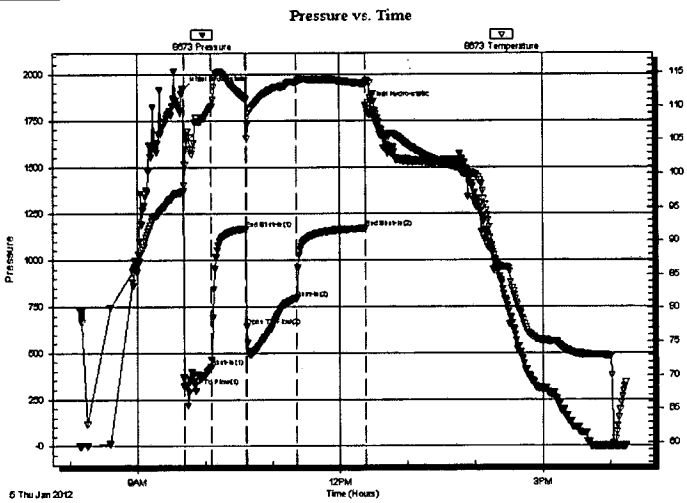
25-20s-16w Pawnee, KS
Mauney #1
Job Ticket: 44712 **DST#: 1**
Test Start: 2012.01.05 @ 08:08:33

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:40:48
Time Test Ended: 16:14:18
Interval: **3724.00 ft (KB) To 3797.00 ft (KB) (TVD)**
Total Depth: 3797.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 2087.00 ft (KB)
2080.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8673 Inside
Press@RunDepth: 791.44 psig @ 3794.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.05 End Date: 2012.01.05 Last Calib.: 1899.12.30
Start Time: 08:08:35 End Time: 16:14:18 Time On Btm: 2012.01.05 @ 09:39:48
Time Off Btm: 2012.01.05 @ 12:22:48

TEST COMMENT: IFP-Strong, BOB in 30 Sec, Gas To Surface in 9 Min., Gauging Gas
ISI-Never Blow n Down
FFP-Gauging Gas
FSI-Blow down for 45 Min., Blow back BOB in 2 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.27	97.29	Initial Hydro-static
1	318.39	98.29	Open To Flow (1)
26	424.38	109.87	Shut-In(1)
57	1169.33	111.01	End Shut-In(1)
57	643.58	105.10	Open To Flow (2)
102	791.44	113.62	Shut-In(2)
163	1170.85	113.24	End Shut-In(2)
163	1832.14	113.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3306.00	Gassy Oil-30%G-70%O	46.37
150.00	VSOCMW-10%O-80%W-10%M	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	15.00	198.32
Last Gas Rate	0.13	25.00	14.75
Max. Gas Rate	0.13	25.00	14.75



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy, Inc
 PO Box 252
 Great Bend, KS 67530
 ATTN: Jim Musgrove

25-20s-16w Pawnee, KS
Mauney #1
 Job Ticket: 44712 **DST#: 1**
 Test Start: 2012.01.05 @ 08:08:33

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3724.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	94.00 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			3704.00	
Shut In Tool	5.00			3709.00	
Hydraulic tool	5.00			3714.00	
Packer	5.00			3719.00	21.00 Bottom Of Top Packer
Packer	5.00			3724.00	
Stubb	1.00			3725.00	
Perforations	5.00			3730.00	
Change Over Sub	1.00			3731.00	
Blank Spacing	62.00			3793.00	
Change Over Sub	1.00			3794.00	
Recorder	0.00	8673	Inside	3794.00	
Recorder	0.00	8736	Outside	3794.00	
Bullnose	3.00			3797.00	73.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc
 PO Box 252
 Great Bend, KS 67530
 ATTN: Jim Musgrove

25-20s-16w Pawnee,KS
Mauney #1
 Job Ticket: 44712 **DST#: 1**
 Test Start: 2012.01.05 @ 08:08:33

Mud and Cushion Information

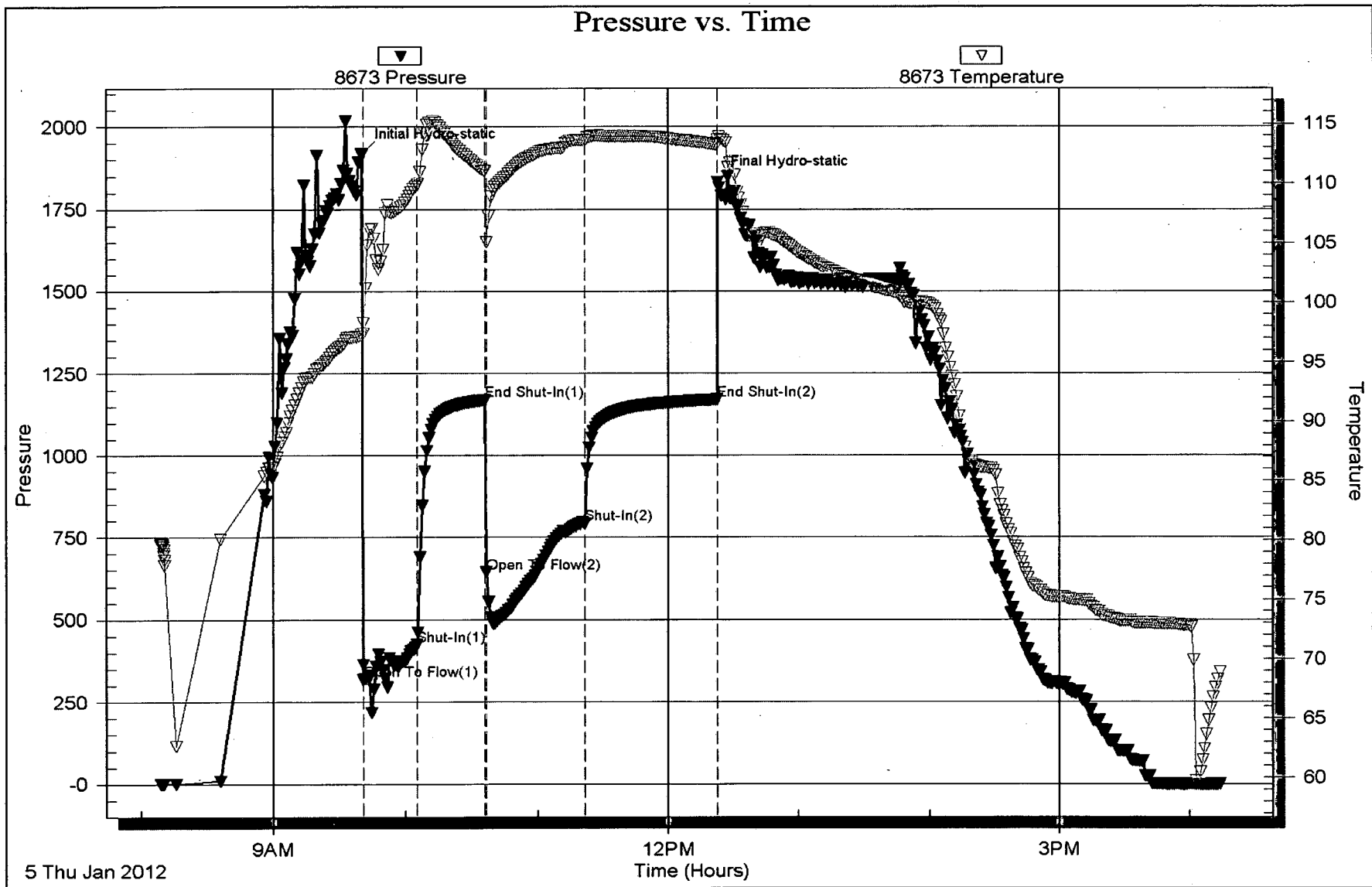
Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: inches		

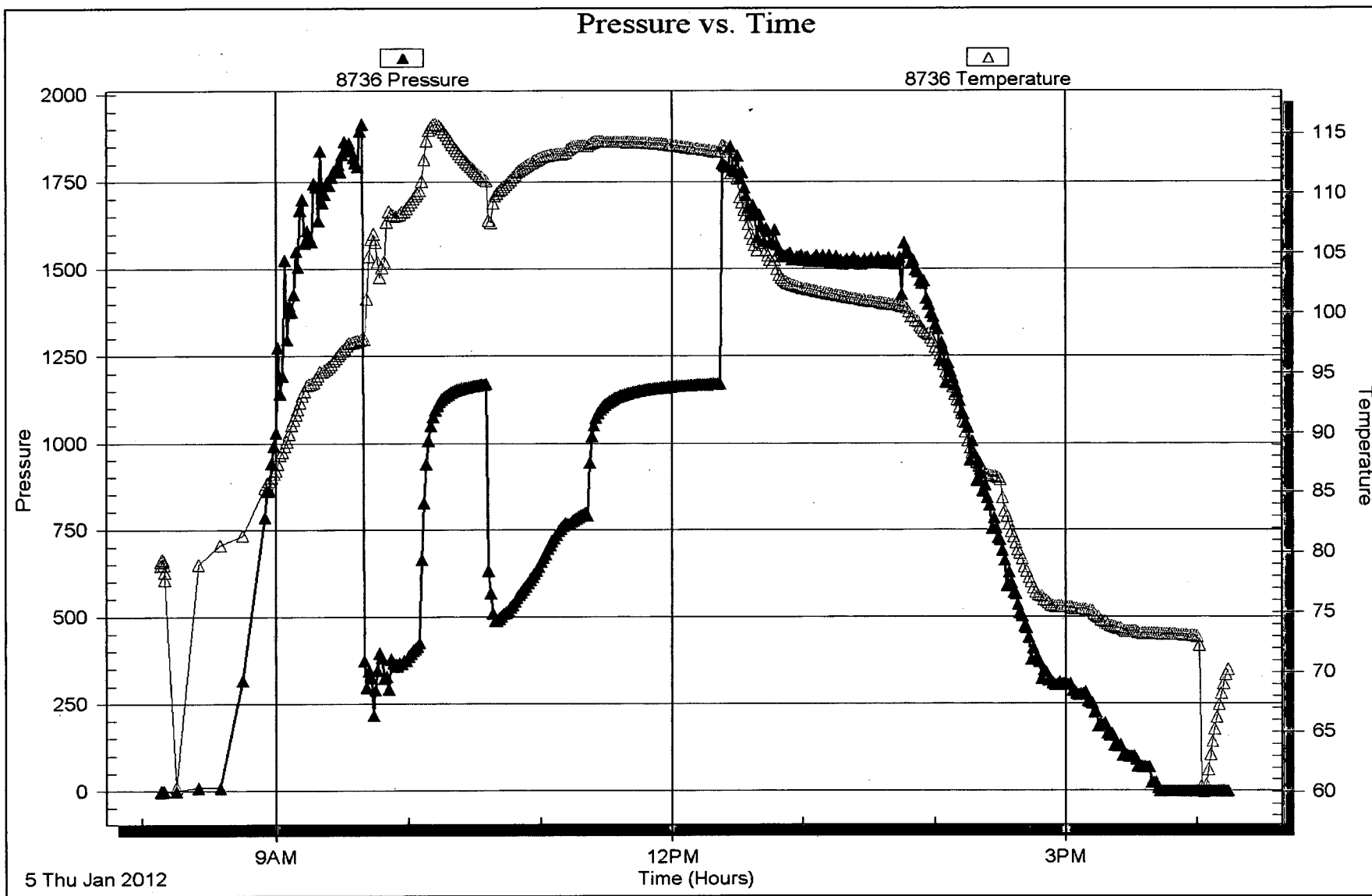
Recovery Information

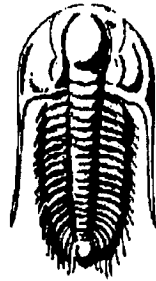
Recovery Table

Length ft	Description	Volume bbl
3306.00	Gassy Oil-30%G-70%O	46.374
150.00	VSOCMW-10%O-80%W-10%M	2.104

Total Length: 3456.00 ft Total Volume: 48.478 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: Jim Musgrove

Mauney #1

25-20s-16w Pawnee,KS

Start Date: 2012.01.05 @ 20:53:43

End Date: 2012.01.06 @ 06:34:13

Job Ticket #: 44714 DST #: 2

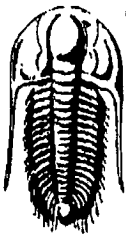
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.21 @ 10:41:00

Charter Energy, Inc 25-20s-16w Pawnee,KS Mauney #1 DST # 2 Arbuckle 2012.01.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy, Inc
PO Box 252
Great Bend, KS 67530
ATTN: Jim Musgrove

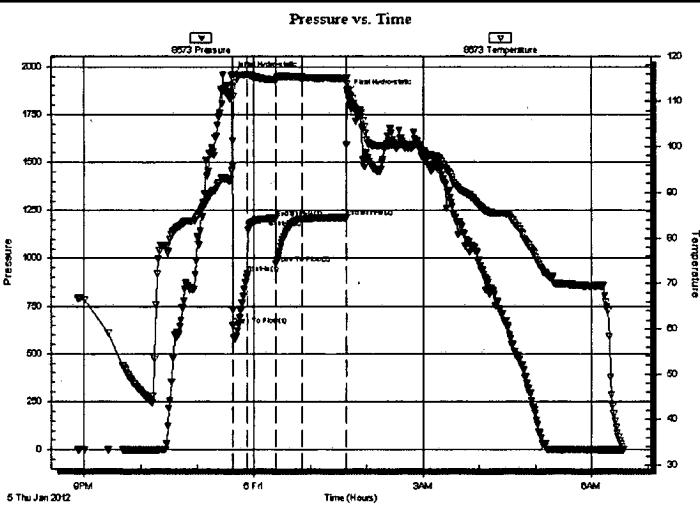
25-20s-16w Pawnee,KS
Mauney #1
Job Ticket: 44714 **DST#: 2**
Test Start: 2012.01.05 @ 20:53:43

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:37:43
Time Test Ended: 06:34:13
Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54
Interval: **3800.00 ft (KB) To 3812.00 ft (KB) (TVD)**
Reference Elevations: 2087.00 ft (KB)
Total Depth: 3812.00 ft (KB) (TVD) 2080.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8673 **Inside**
Press@RunDepth: 1207.41 psig @ 3806.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.05 End Date: 2012.01.06 Last Calib.: 2012.01.06
Start Time: 20:53:45 End Time: 06:34:13 Time On Btm: 2012.01.05 @ 23:36:43
Time Off Btm: 2012.01.06 @ 01:39:28

TEST COMMENT: IFP-Strong, BOB in 30 Sec., Gas To Surface in 12 Min. Too Weak To Gauge
ISI-Blow back BOB in 1 Min.
FFP-Gauging Gas
Blow back BOB in 2 Min.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.32	94.87	Initial Hydro-static
1	652.14	101.24	Open To Flow (1)
17	918.96	115.82	Shut-In(1)
47	1210.20	114.70	End Shut-In(1)
47	971.97	114.59	Open To Flow (2)
75	1207.41	115.33	Shut-In(2)
122	1214.25	114.95	End Shut-In(2)
123	1859.62	113.97	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
806.00	Gassy Oil-30%G-70%O	11.31
2294.00	Muddy Water-90%W-10%M	32.18

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	20.00	12.88
Last Gas Rate	0.13	30.00	16.62
Max. Gas Rate	0.13	30.00	16.62

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy, Inc
 PO Box 252
 Great Bend, KS 67530
 ATTN: Jim Musgrove

25-20s-16w Pawnee,KS
Mauney #1
 Job Ticket: 44714 **DST#: 2**
 Test Start: 2012.01.05 @ 20:53:43

Tool Information

Drill Pipe:	Length: 3791.00 ft	Diameter: 3.80 inches	Volume: 53.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 53.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3800.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 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			3780.00	
Shut In Tool	5.00			3785.00	
Hydraulic tool	5.00			3790.00	
Packer	5.00			3795.00	21.00 Bottom Of Top Packer
Packer	5.00			3800.00	
Stubb	1.00			3801.00	
Perforations	5.00			3806.00	
Recorder	0.00	8673	Inside	3806.00	
Recorder	0.00	8736	Outside	3806.00	
Perforations	3.00			3809.00	
Bullnose	3.00			3812.00	12.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc
 PO Box 252
 Great Bend, KS 67530
 ATTN: Jim Musgrove

25-20s-16w Pawnee,KS
Mauney #1
 Job Ticket: 44714 **DST#: 2**
 Test Start: 2012.01.05 @ 20:53:43

Mud and Cushion Information

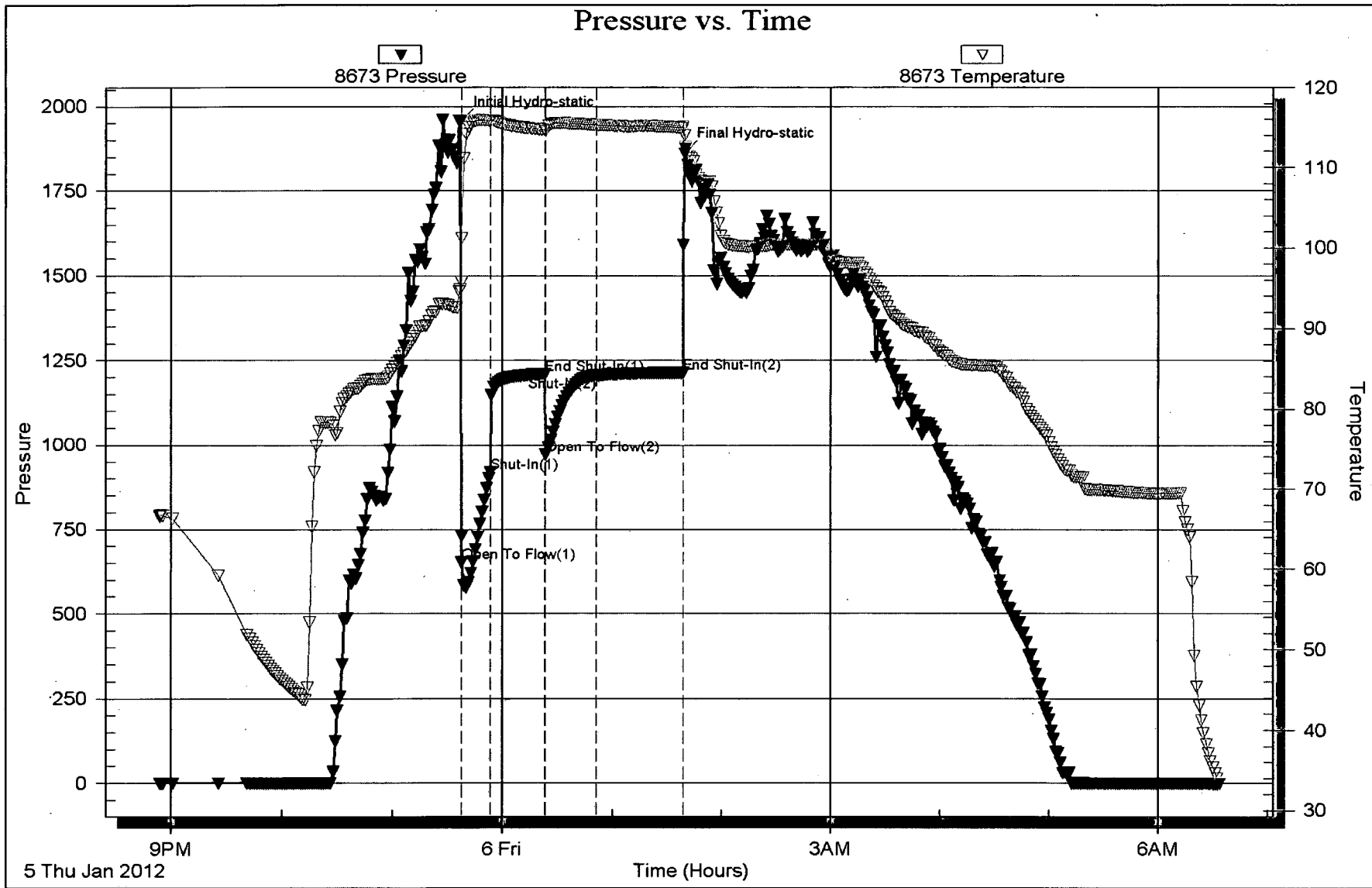
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: inches		

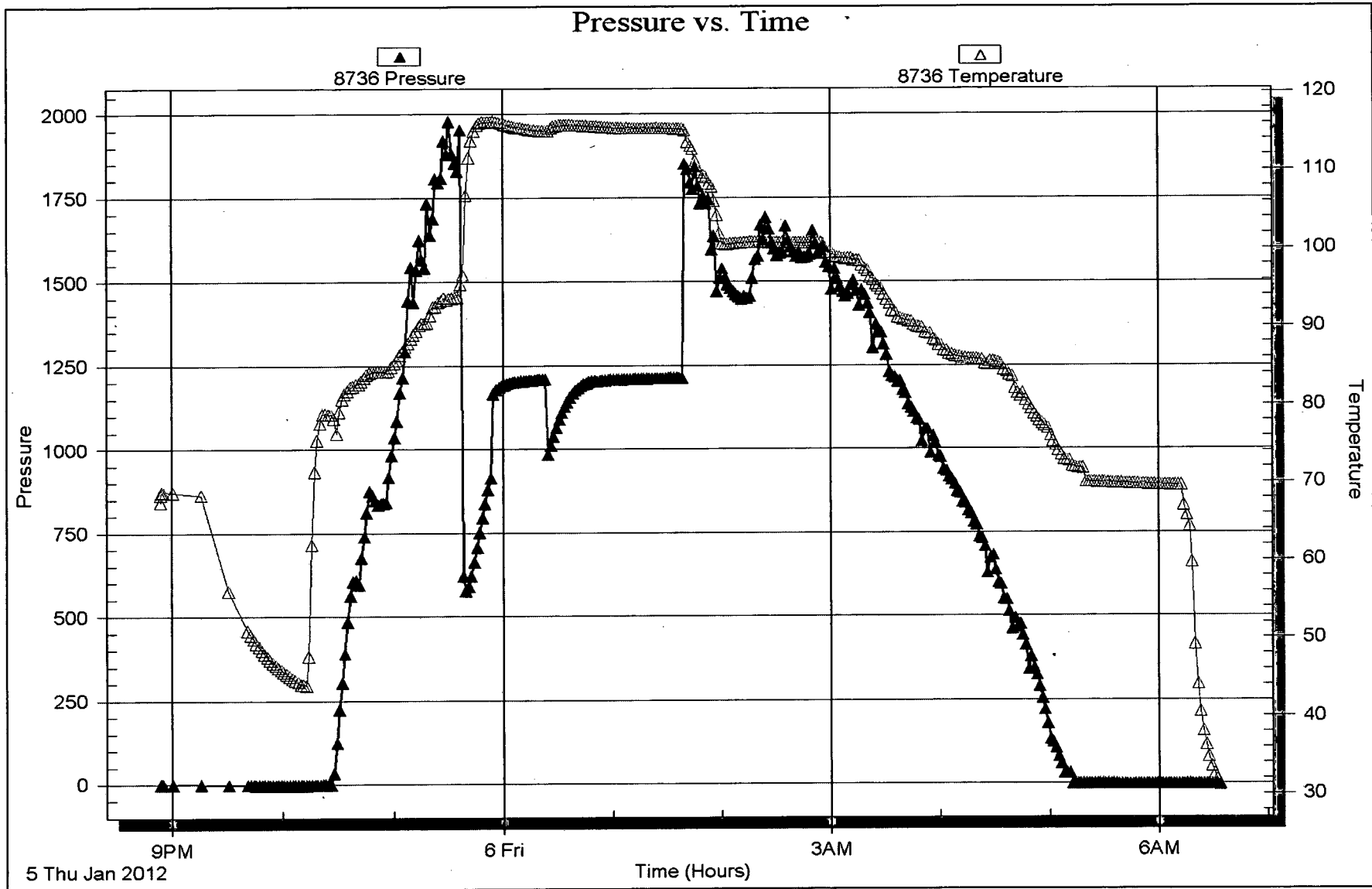
Recovery Information

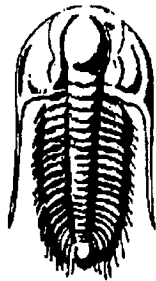
Recovery Table

Length ft	Description	Volume bbl
806.00	Gassy Oil-30%G-70%O	11.306
2294.00	Muddy Water-90%W-10%M	32.179

Total Length: 3100.00 ft Total Volume: 43.485 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: Jim Musgrove

Mauney #1

25-20s-16w Pawnee,KS

Start Date: 2012.01.06 @ 12:32:57

End Date: 2012.01.06 @ 19:42:27

Job Ticket #: 44715 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.21 @ 10:40:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy, Inc
PO Box 252
Great Bend, KS 67530
ATTN: Jim Musgrove

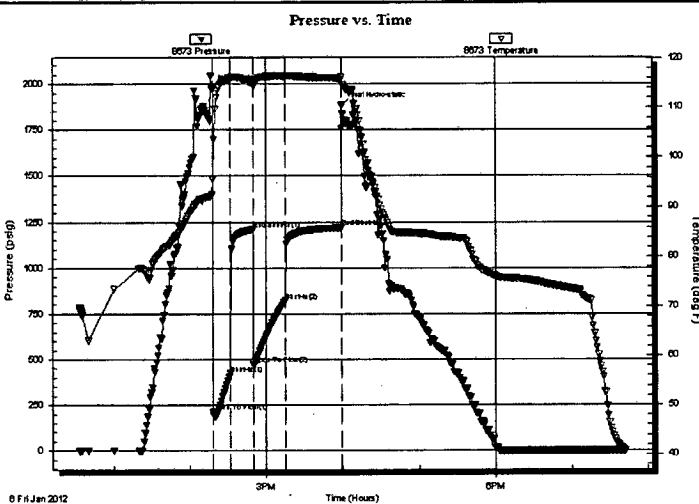
25-20s-16w Pawnee,KS
Mauney #1
Job Ticket: 44715 **DST#: 3**
Test Start: 2012.01.06 @ 12:32:57

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 14:18:27
Time Test Ended: 19:42:27
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Jason McLemore**
Unit No: **54**
Interval: **3816.00 ft (KB) To 3830.00 ft (KB) (TVD)**
Reference Elevations: 2087.00 ft (KB)
Total Depth: 3830.00 ft (KB) (TVD) 2080.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: **Good** KB to GR/CF: 7.00 ft

Serial #: 8673 Inside
Press@RunDepth: 821.30 psig @ 3827.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.06 End Date: 2012.01.06 Last Calib.: 2012.01.06
Start Time: 12:32:59 End Time: 19:42:27 Time On Btm: 2012.01.06 @ 14:17:42
Time Off Btm: 2012.01.06 @ 15:59:12

TEST COMMENT: IFF-Strong, BOB in 20 Seconds
ISI-Blow back BOB in 9 Min.
FFP-Strong, BOB in 30 Sec., Gas To Surface in 15 Min., Too Weak To Gauge
FSI-Blow back BOB in 12 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.45	92.59	Initial Hydro-static
1	215.67	95.59	Open To Flow (1)
15	423.34	115.80	Shut-In(1)
33	1209.42	114.92	End Shut-In(1)
33	471.94	114.49	Open To Flow (2)
58	821.30	116.28	Shut-In(2)
101	1219.00	115.77	End Shut-In(2)
102	1881.03	115.77	Final Hydro-static

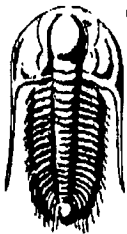
Recovery

Length (ft)	Description	Volume (bbl)
1380.00	Muddy Water-5%M-95%W	19.36
700.00	GHOCMW-15%G-45%O-35%W-5%M	9.82
120.00	GSOCWM-25%G-10%O-5%W-60%M	1.68

* 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: Jim Musgrove

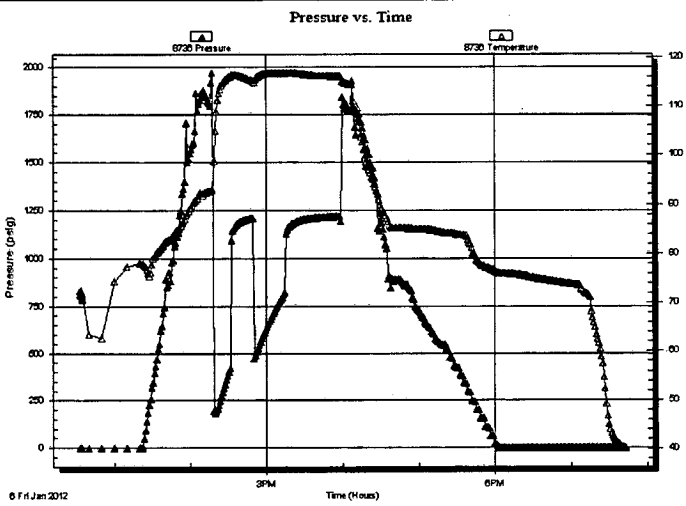
25-20s-16w Pawnee, KS
Mauney #1
Job Ticket: 44715 **DST#: 3**
Test Start: 2012.01.06 @ 12:32:57

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:18:27
Time Test Ended: 19:42:27
Interval: **3816.00 ft (KB) To 3830.00 ft (KB) (TVD)**
Total Depth: 3830.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 2087.00 ft (KB)
2080.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8736 Outside
Press@RunDepth: psig @ 3827.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.06 End Date: 2012.01.06 Last Calib.: 2012.01.06
Start Time: 12:32:49 End Time: 19:42:43 Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 20 Seconds
ISI-Blow back BOB in 9 Min.
FFP-Strong, BOB in 30 Sec., Gas To Surface in 15 Min., Too Weak To Gauge
FSI-Blow back BOB in 12 Min.

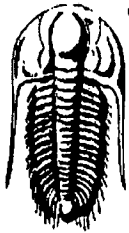


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
1380.00	Muddy Water-5%M-95%W	19.36
700.00	GHOCMW-15%G-45%O-35%W-5%M	9.82
120.00	GSOOCMW-25%G-10%O-5%W-60%M	1.68

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: Jim Musgrove

25-20s-16w Pawnee, KS
Mauney #1
 Job Ticket: 44715 **DST#: 3**
 Test Start: 2012.01.06 @ 12:32:57

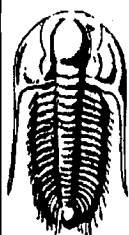
Tool Information

Drill Pipe:	Length: 3822.00 ft	Diameter: 3.80 inches	Volume: 53.61 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 53.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3816.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	35.00 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			3796.00	
Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Packer	5.00			3811.00	21.00 Bottom Of Top Packer
Packer	5.00			3816.00	
Stubb	1.00			3817.00	
Perforations	5.00			3822.00	
Perforations	5.00			3827.00	
Recorder	0.00	8673	Inside	3827.00	
Recorder	0.00	8736	Outside	3827.00	
Bullnose	3.00			3830.00	14.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc
PO Box 252
Great Bend, KS 67530

ATTN: Jim Musgrove

25-20s-16w Pawnee,KS
Mauney #1
Job Ticket: 44715 **DST#: 3**
Test Start: 2012.01.06 @ 12:32:57

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1380.00	Muddy Water-5%M-95%W	19.358
700.00	GHOCMW-15%G-45%O-35%W-5%M	9.819
120.00	GSOCWM-25%G-10%O-5%W-60%M	1.683

Total Length: 2200.00 ft Total Volume: 30.860 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

