Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1249144

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	Sec TwpS. R East West
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:	+ Feet from Deast / Dest Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD □ Gas □ D&A □ ENHR	SIGW Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feel
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt
Original Comp. Date: Original Total D	
Deepening Re-perf. Conv. to ENHR	Conv. to SWD Drilling Fluid Management Plan
Plug Back Conv. to GSW	Conv. to Producer (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
	Location of fluid disposal if hauled offsite:
	Operator Name:
	Lease Name: License #:
Soud Date or Date Reached TD Co	QuarterSecTwpS. R East West
	mpletion Date or 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					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Page Iwo	1249144
Operator Name:	Lease Name:	Well #:
Sec TwpS. R 🔲 East 🗌 West	County:	

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken Yes No (Attach Additional Sheets)				-	on (Top), Depth ar		Sample
Samples Sent to Geolog	jical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No Yes No					
List All E. Logs Run:							
		RECORD Ne		on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	

Perforate	Top Bottom	Type of oction	Type and referre Additives
Protect Casing Plug Back TD			
Plug Off Zone			

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
TUBING RECORD:	UBING RECORD: Size: Set At:			Packer	At:	Liner R	un:	No	
Date of First, Resumed F	Production, S	SWD or ENHR.	Producing I		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	DISPOSITION OF GAS: METHOD OF COMPLI					TION		PRODUCTION IN	TERVAL ·
Vented Sold		on Lease	Open Hole	Perf.		Comp.	Commingled (Submit ACO-4)		
(If vented, Subr	mit ACO-18.))	Other (Specify)		,	(300//// A00-4)		

_	 -					 	
	CALCU	I CONCO	the set at	AL STATIST	1.1		

Phone 785-483-2025 Cell 785-324-1041	nectivisc	He Iuli ceen j	ome Office	P.O. Bo	x 32 Rus	ssell, ł	KS 67665	to the male e roquineme tefactory ch	No.	906
y of its merchandise. For	Sec.	Twp.	Range	1100 BUT 1	ounty	alistad ni elde	State	On Lo	cation	Finish
Date 1-13-15	27	22	to all 4 18 b	5+	afford	intere	55	PREMOTE	1171 000	10:30 P
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Lease Garvin	Tru	st v	Vell No. # /	iixam orb	Owner	ais1.60	ay such me a to lower if	a u wa sia amata wie	eoliggit ter Stomatus	agree to pay un
Contractor Rojal	AUO" k Iga Raria	e option t 9A S law i	tER" or at the	DUSTON	To Quality Oi You are here				equipment	and furnish
Type Job Surface						d helper	to assist ow	ner or contr	actor to do	work as listed.
Hole Size 12 14	10 8mie	T.D.	523	a patties	Charge C	hart	er En	ergy	EY FEES:	NAOTTA-
Csg. 8 5/8	in percenting	Depth 2	523'	HIG 90 UK	Street	avera e	Contract, the	em prins	i ant of gai	any way perain
Tbg. Size	10.8.0	Depth	oence tiene o	and men	City	O HO	nendibe Iste	State	AND TAK	6301714
Tool of begrado acong be	aloup er	Depth	re, iocal, or a TY shall be a	LIAUO VALI	The above wa	s done to	satisfaction a	and supervisio	n of owner	agent or contractor.
Cement Left in Csg. 2	3'	Shoe Jo	int		Cement Amo	unt Ord	ered 300	60/40	3%	c D'lo Gel
Meas Line	e using hosean t	Displace	31 1/2	a to get to	K.	flose	col	used	235	DUIWOT -
A or, if furnished by QUAL-	EQUIPN		will be supplie	/ Inemqia	Common #	80	141	or from the	nt to get to	enaleos onilua
Pumptrk 5 No. Cemer Helper	nter	Ceau	- Oliveratio	0 h	Poz. Mix	10	94	Do vd biag	jed to and	nsrlo ed Iliw (YTI
Bulktrk 21 No. Driver	D	V.J	Divid bernoont		Gel.	105	NER will pa	APICIES IN	NUMUM Monater	A In policies lasi
Bulktrk PU No. Driver	Bre	- 1-	Contract, a d	ardi to tw	Calcium A	48	ss otherwise	GES: Unle	UL, CHAP	- DEADHA
L	RVICES	& REMAR	KS brus villion		CURRENT PROPERTY AND CREATENED AND LARGELETTES: 1. QUALITY CELLING					
Remarks:	TIALIO	so many uncertain and uniorown conditions beyond QUALTY'S and Salt								
Rat Hole Tot alius to ami	sio ilia bi	nstanyar s	rehandles. O tom and again	WHIT CALLS IN	Flowseal 15	OF	normance a iTy its offici	lAUO saelo	gnians eg	tor loss of dama
Mouse Hole		Kol-Seal								
Centralizers	~ Granni		d tun ta tube	Cito (raise	Mud CLR 48	,econa.	iny injury, sit	ny or tor boc	edoud of a	DamaG (A)
Baskets	ge ansin	or damag	eservoir loss,	n ,liew eit, r	CFL-117 or C	D110 C	AF 38	i, surface oi	s, pollution	llige IIO (8)
D/V or Port Collar	vees.	ele n ele electro al	OUALITY OF	inence of	Sand	mance anduct	III Y S Denor	With QUAL		ing out of or In e
naged when performing oi			nich and the	w anern	Handling	07	300	y at guar	ne of to an	en ditW .S
anudmie Commune	in Autori				Vileage					and harings of
volume C e me	nt	00.00	10		8 5/8	FLO	AT EQUIPN	IENT		OUALITY Ine ou
nemical action in cements	111 M				Guide Shoe					.see
<u> </u>					Centralizer	14000 - 14	ativer, fluids.	A asserted of c	noisnim	caused by conta
noitepido avri Cir	· (1 Cuto	ed by k to be	d Jumish	Baskets	m eelbi	all merchan	etnemew Y1	I. QUALT	WARRANTIES:
ecchadrate which is deter	m yns t	1410	ati la libera		AFU Inserts					mon toono ciris maa wara
NUMBER OF STREET					Float Shoe	9.0 S	TA AA	10/03/2020		mined by QUAL
lefective manufandise shal	Ne of		nly remedy w		Latch Down		CORRUG RC	BRUSE I	DITRIAG	ROA 2234113
tone for any consequential	a ed 10:	T BRE YI	, and QUALI	beblvotd	Wood	Plue	on allowance	ent thereof	replacente	be the repair or
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TY er its amployees in the direct supervision and con-	GUALD And solv	l igence of	on gross neg de VTLIA de						Discount	TY, unless the
X	Contraction	a or the file	NG LELDAUU	X52 32(1525)					D D D D D D D D D D D D D D D D D D D	A 10 HORATOCOLO

Thank You!	s receipt of the materials and services listed on this ticket.	ERIALS AND SERVICES The customer hereby acknowledge	f-Ellin	SWIFT OPERATOR
5+2 fferd 7.15%, 436 TOTAL 9535	PERATED THE EQUIPMENT PERFORMED JOB SFACTORIL Y? YOU SATISFIED WITH OUR SERVICE? U YES CUSTOMER DID NOT WISH TO RESPOND	AND PERI AND PERI CALCULA SATISFAC ARE YOU	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X DATE SIGNED Q1 TIME SIGNED Q3 H	MUST BE SIGNED
PAGE TOTAL' 3995 00 2 5104 00 54151 9099 00	VEY AGREE DECIDED AGREE PERFORMED DECIDED AGREE	SWIFT SERVICES INC	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.	LEGAL TER the terms and but are not li LIMITED W
1 25 625 m	2 VAL	MUD FLUSH		ere
375 275 275 2	1 EA.	LATCH DOWN PLUG & BAPFLE LUSERT FLOAT SHOE W/ FILL	26	407
420	11EA	CENTRALIZERS CEMENT BASKET	ŭ ž	40.40
1500	75 mil	PLMP CHARGE		575
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3E, 35/1W/45, ETNTO	WELL PERMIT NO.	DEVELOPMENT JOB PURPOSEL	WELL TYPE MELL TYPE O (L INVOICE INSTRUCTIONS	3. 4. REFERRAL LOCATION
DATE OWNER	TADIUM, KS. 21			1. VESS
		CODE	Services, Inc.	S
TICKET 2819		HARTER ENERGY	ADDRESS	

283	325	PRICE 276 283 284 284
		PO Box 466 Ness City, KS 67560 Off: 785-798-2300 SECONDARY REFERENCE/ Loc Accri DF TIME ACCOUNTING Loc Accri DF INE INE INE INE INE INE INE INE
SERVICE CHARGE MILEAGE TOTAL VSCAT OD LOADHOTPILES	STAUDARD EA-2	CUSTOME HARTER ENERGY DESCRIPTION FLOCELE SALT (ALSEAL HALAD-1 D-AIR D-AIR
CUBIC FEET 1755×	175 SX	VVERARUIN TRUST #1
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ER	TER EN	ERGY	WELL NO.		LEASE GARNIN		TUCES, INC. DATE 21 JAN15 P
T	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	PRESSUR	RE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	1800			тс	TUBING	CASING	ON LOCATION
_	204D						START PIPE 52-15,5#
-			++				RIDE 3975 SETE 3953 SHOE JT- 20'
+			++				SHOE JT- 20'
+			++		'		CENTRALIZERS 2, 4, 6, 8, 10, 12
+			++		<u>+'</u>	ļ'	BASKET 3
+	2155		++		+'	 '	DODO DOLLA A DOLLA
1	0100						DROP BALL- CIRCULATE
T	2221	6	12	7		300	Pump STORAL MUD FLUSH
4		6	20	2		300	Pump SDOGR MUD FLUSH Pump 20 BSP KCL SPACER
-							four on the the
-	2230		7				PLUG RH - 3DSX
+		- 1	++				
-	2235	4	35	1			m1x 145 sx EA-2
+	2247		++	'			1 1 1 1 1 2 - D - dlaws
ť	2011						WASHOUT Pump & LINES.
4	2252	6		~			START DISPLACING PLUG.
1							
ć	2308	Ø	94			1500	PLUG DOWN LATCH PLUG IN
+			+				
ĉ	2310		+	'			RELEASE PSI- DRY
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DRILL STEM TEST REPORT

Prepared For: Charter Energy, Inc.

P.O. Box 252 Great Bend, KS 67530-0252

ATTN: Kurt Talbott

Garvin Trust #1

27-22s-14w Stafford,KS

Start Date: 2015.01.20 @ 00:19:18 End Date: 2015.01.20 @ 06:12:33 Job Ticket #: 59961 DST #: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Charter Energy, Inc.

	DRILL STEM TES	T REP	ORT				
	Charter Energy, Inc.		27-	22s-14w	Stafford,	,KS	
ESTING , INC	P.O. Box 252		Ga	rvin Tru	st #1		
	Great Bend, KS 67530-0252		Job	Ticket: 59	9961	DST#:	1
	ATTN: Kurt Talbott		Test	t Start: 20)15.01.20 @	00:19:18	
GENERAL INFORMATION:							
Formation:LKC H - KDeviated:NoWhipstock:Time Tool Opened:01:51:03Time Test Ended:06:12:33	ft (KB)		Tes Tes Unit	ter: I	Conventiona Ryan Reyno 68		le (Initial)
Interval:3613.00 ft (KB) To37Total Depth:3720.00 ft (KB) (TVHole Diameter:7.88 inches Hole	/D)		Refe	erence Ele KB t	evations: o GR/CF:	1949.00 1942.00 7.00	ft (CF)
Serial #: 8790InsidePress@RunDepth:40.92 psigStart Date:2015.01.20Start Time:00:19:23TEST COMMENT:IF:Weak blow . su ISt: No blow . FF: Weak blow . s FSt: No blow .	End Date: End Time: ırf 2"	2015.01.20 06:12:32	Capacity Last Calit Time On Time Off	o.: Btm: 2	2015.01.20 (2015.01.20 (-	
Pressure vs. T	ime ⊽ 559 Terpentue		PF	RESSUF	RE SUMM	ARY	
2000 1750 1590		Time (Min.) 2 33 78 79 109 155 156	Pressure (psig) 1951.35 21.77 32.84 949.86 36.42 40.92 850.27 1850.58		Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	o-static low (1) n(1) low (2) n(2)	
20 Le. Jan 2015 304 Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressu	re (psig) G	as Rate (Mcf/d)
40.00 Drlg mud	0.56						
Trilobite Testing, Inc	Ref. No: 59961				2015.01.21		

	DRILL STEM TES	T REP	ORT		RT			
RILOBITE	Charter Energy, Inc.		27-22s-14	27-22s-14w Stafford,KS				
ESTING , INC	P.O. Box 252		Garvin T	Garvin Trust #1				
	Great Bend, KS 67530-0252		Job Ticket:		DST#:	1		
	ATTN: Kurt Talbott		Test Start:	2015.01.20 (@ 00:19:18			
GENERAL INFORMATION:								
Formation:LKC H - KDeviated:NoWhipstock:Time Tool Opened:01:51:03Time Test Ended:06:12:33	ft (KB)		Test Type: Tester: Unit No:	Convention Ryan Reyn 68		ole (Initial)		
Interval:3613.00 ft (KB) To37Total Depth:3720.00 ft (KB) (TVHole Diameter:7.88 inchesHole	/D)		Reference KI	Elevations: B to GR/CF:	1949.00 1942.00 7.00			
Serial #: 8792InsidePress@RunDepth:psigStart Date:2015.01.20Start Time:00:13:57	@ 3614.00 ft (KB) End Date: End Time:	2015.01.20 06:14:21	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2015.01.20			
TEST COMMENT: IF:Weak blow . su ISI: No blow . FF: Weak blow . s FSI: No blow .	surf 1"	1	DECON					
Pressure vs. T ST2 Pressure 2000 +	1100. 5752 Temperature	Time	PRESSU Pressure Temp	JRE SUMN				
1720 1720		(Min.)	(psig) (deg F					
Recovery			G	Sas Rates				
Length (ft) Description 40.00 Drlg mud	Volume (bbl) 0.56		Chok	e (inches) Press	sure (psig) G	as Rate (Mcf/d)		
				d: 2015 01 2				

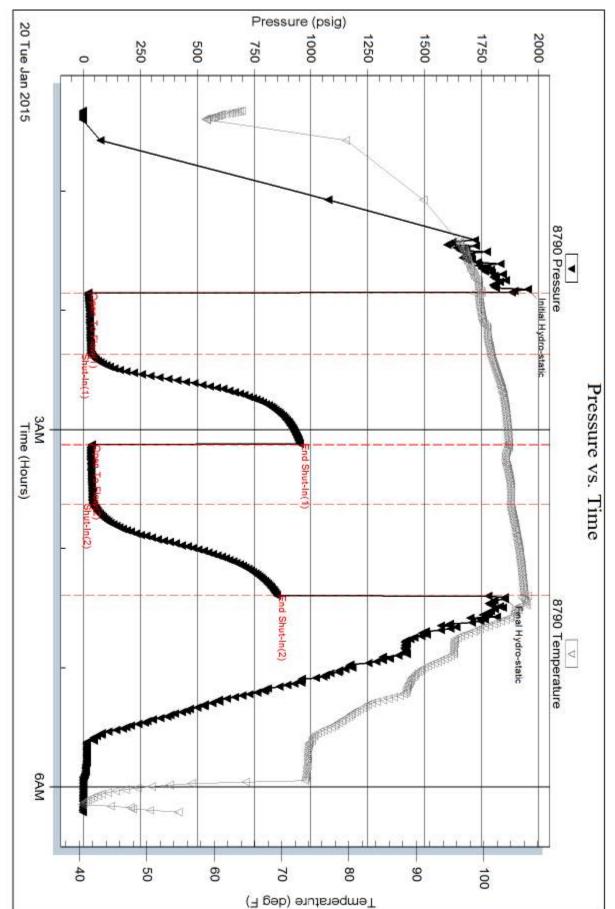
しまり「牛	LOBIT	L	Charter	Energy, Ind	C.		27-22s-14w Sta	fford,KS
	ESTIN	IG , INC	P.O. Bo	x 252			Garvin Trust #1	1
			Great B	end, KS 67	530-0252		Job Ticket: 59961	DST#: 1
NSX .			ATTN:	Kurt Talbo	tt		Test Start: 2015.01	1.20 @ 00:19:18
Tool Information			ļ					
Drill Pipe: Ler	igth: 36	608.00 ft	Diameter:	3.80	inches Volume	: 50.61 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe: Ler	igth:	0.00 ft	Diameter:		inches Volume	: 0.00 bbl	Weight set on P	acker: 20000.00 lb
Drill Collar: Ler	igth:	0.00 ft	Diameter:	2.25	inches Volume	: 0.00 bbl	Weight to Pull Lo	oose: 54000.00 lb
		24 00 44			Total Volume	: 50.61 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB: Depth to Top Packer:		21.00 ft 613.00 ft					String Weight: In	nitial 47000.00 lb
Depth to Bottom Packer.		ft					F	Final 48000.00 lb
Interval betw een Pac		107.00 ft						
Tool Length:		133.00 ft						
IOOLEEHOIL				0.75	la a la a a			
•		2	Diameter:	6.75	inches			
Number of Packers: Tool Comments:						Depth (ft)	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description				6.75		Depth (ft) 3592.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Shut In Tool			ngth (ft)				Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool			ngth (ft) 5.00			3592.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars			ngth (ft) 5.00 5.00			3592.00 3597.00	Accum. Lengths	
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint			ngth (ft) 5.00 5.00 5.00		. Position	3592.00 3597.00 3602.00	Accum. Lengths	Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer			ngth (ft) 5.00 5.00 5.00 2.00		. Position	3592.00 3597.00 3602.00 3604.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer			ngth (ft) 5.00 5.00 5.00 2.00 5.00		. Position	3592.00 3597.00 3602.00 3604.00 3609.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb			ngth (ft) 5.00 5.00 5.00 2.00 5.00 4.00		• Position	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Comments: Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00	Serial No	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00 3614.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00 3614.00 3614.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 3.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00 3614.00 3614.00 3617.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00 3.00 1.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00 3614.00 3614.00 3614.00 3617.00 3618.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00 3.00 1.00 96.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3609.00 3613.00 3614.00 3614.00 3614.00 3614.00 3618.00 3714.00		Bottom Of Top Pack
Number of Packers: Tool Comments: Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub			ngth (ft) 5.00 5.00 2.00 5.00 4.00 1.00 0.00 0.00 3.00 1.00 96.00 1.00	Serial No 8790	. Position Inside	3592.00 3597.00 3602.00 3604.00 3613.00 3614.00 3614.00 3614.00 3614.00 3614.00 3617.00 3618.00 3714.00 3715.00		Bottom Of Top Pack

10x-		DRI	LL S	TEM TEST F	REPORT	-		FLUID SI	JMMARY
		Charter Energy, Inc.				27-22s-14w Stafford,KS			
	RILOBITE	P.O. Bo	x 252			Garvin Tr	ust #1		
	-			67530-0252		Job Ticket: 5		DST#:1	
N .		ATTN:	Kurt Ta	lbott		Test Start: 2015.01.20 @ 00:19:18			
Mud and Cu	shion Information								
Mud Type: Ge	el Chem			Cushion Type:			Oil API:		deg API
Mud Weight:	9.00 lb/gal			Cushion Length:		ft	Water Salinity	/: 7300) ppm
Viscosity:	51.00 sec/qt			Cushion Volume:		bbl			
Water Loss:	10.39 in³			Gas Cushion Type:					
Resistivity:	ohm.m			Gas Cushion Pressure	:	psig			
Salinity: Filter Cake:	7300.00 ppm 0.08 inches								
Recovery In	formation								
	· · · ·			Recovery Table			7		
	Lengt ft	ih		Description		Volume bbl			
		40.00	Drlg mu	ıd		0.561			
	Total Length:	40.	00 ft	Total Volume:	0.561 bbl				
	Num Fluid Samp	les: 0		Num Gas Bombs:	0	Serial #	none		
	Laboratory Nam Recovery Comm			Laboratory Location	n:				

Printed: 2015.01.21 @ 15:16:01

Ref. No: 59961

Trilobite Testing, Inc



Garvin Trust #1

Serial #: 8790

Inside

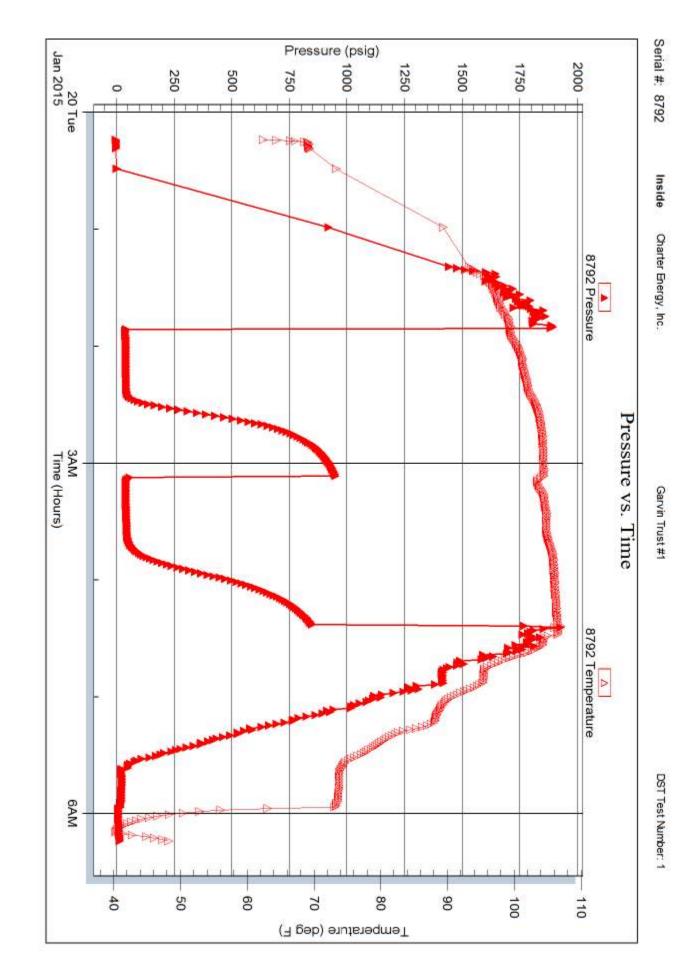
Charter Energy, Inc.

DST Test Number: 1

Printed: 2015.01.21 @ 15:16:01

Ref. No: 59961





RILOBITE		Test Ticket	
4/10 ESTING / 1515 Commerce Park	<i>NC.</i> <way 67601<="" hays,="" kansas="" th="" •=""><th>NO. 59961</th><th></th></way>	NO. 59961	
Well Name & No. <u>Garvin Tri</u>	Test No	Date _/ - 1949 KB 194 67530 - 025 Dya 1 ≠ 1 Ford State _ H - K State _ WL _ 10 Dom System LCM _ 7/2	19-15 2GL 2 3+ 1 ,4
Blow Description <u>IF</u> : Weak b FF: Weak blow, Surf Rec 40 Feet of Prla m	-1" FSI:Nol	No blou blow %oil %water	
Rec Feet of	%gas	%oil %water	%mud
Rec Feet of		%oil %water	
Rec Feet of		%oil %water	%mud
Rec Feet of	%gas %gas	%oil %water	%mud
Rec Total 40 BHT 60 (A) Initial Hydrostatic 1951 (B) First Initial Flow 22 (C) First Final Flow 33 (D) Initial Shut-In 950 (E) Second Initial Flow 36 (F) Second Final Flow 41 (G) Final Shut-In 850 (H) Final Hydrostatic 1851 Initial Open 30 Initial Shut-In 45 Final Flow 30 Final Shut-In 45	Gravity <u>API RW M/c</u> Test <u>1050</u> Jars <u>250</u> Jars <u>250</u> Jars <u>75</u> Circ Sub Hourly Standby Mileage <u>71</u> Sampler Straddle Shale Packer Extra Recorder Day Standby API RW <u>M/c</u>	T-On Location T-Started T-Open T-Pulled T-Out Comments Comments Ruined Shale Packer Ruined Packer Extra Copies Sub Total Total	230

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 for sustained, directly or indirectly or indirectly 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.