

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1163845

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 #		API No. 15
Name:		Spot Description:
Address 1:		
		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from Cast / West Line of Section
-		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used?
OG	GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core	e, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Infe	o as follows:	
Operator:		Drilling Fluid Menonement Dien
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.		Chloride content: ppm Fluid volume: bbls
	Conv. to GSW	Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	
SWD	Permit #:	Lease Name: License #:
ENHR	Permit #:	Quarter Sec TwpS. R East West
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	Completion Date or Recompletion Date	

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: Date:

	Side Two	1163845
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

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 (Attach Additional She	eets)	Yes No	L		n (Top), Depth an	d Datum Top	Datum
Samples Sent to Geolog	ical Survey	Yes No				iop	Datam
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre>Yes No</pre> NoNoVes No					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, producti	ion, 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 / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				Depth					
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Carmichael 1
Doc ID	1163845

Tops

Name	Тор	Datum
Anhydrite	1490	+683
B/Anhydrite	1528	+645
Topeka	3091	-918
Heebner	3302	-1129
Toronto	3322	-1149
LKC	3344	-1171
ВКС	3563	-1390
Arbuckle	3595	-1422



DRILL STEM TEST REPORT

Prepared For:

Gore Oil Company

PO Box 2725 Wichita, KS 67202

ATTN: AI Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date:	2013.05.01 @	14:35:59	
End Date:	2013.05.01 @	22:25:38	
Job Ticket #:	51607	DST #:	1

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

RILOBITE	DRILL STEM	TES	ST REP	ORT	<u></u>			
	Gore Oil Company			22	-9s-18w	Rooks,	KS	
ESTING , INC	PO Box 2725 Wichita, KS 67202				Ticket: 5			T#: 1
	ATTN: AI Dow ning						נש 1 @ 14:35:	
GENERAL INFORMATION:							_	
Formation:Lansing "E-F-G"Deviated:NoWhipstock:Time Tool Opened:17:14:09Time Test Ended:22:25:38	ft (KB)			Tes	ster:	Conventi Daniel Fe 68		n Hole (Initial)
Interval:3414.00 ft (KB) To34Total Depth:3456.00 ft (KB) (THole Diameter:7.88 inchesHol				Ref	erence Ele	evations: to GR/CF	2165	3.00 ft (KB) 5.00 ft (CF) 3.00 ft
Serial #: 8844 Inside Press@RunDepth: 200.14 psig Start Date: 2013.05.01 Start Time: 14:36:04	 @ 3416.00 ft (KB) End Date: End Time: 		2013.05.01 22:25:39	Capacity Last Cali Time On Time Off	b.: Btm:		8000 2013.05 01 @ 17:13 01 @ 19:42	3:59
TEST COMMENT: IFP- 30- Strong I ISI- 45- Weak bk FFP- 30- Strong FSI- 45- Weak B	ow . 1" build. Blow , BOB 9 minutes. low , 1/2" build.		[
1750 1994 Pressure	8944 Temperature	-	Time	Pressure	RESSUF Temp			
	- Andrew		(Min.)	(psig)	(deg F)			
	-	¶ 	0	1687.12 22.90	97.05 96.14		/dro-static o Flow (1)	
		1 11 1	30	121.27	98.97	Shut-In		
			73 73	673.39 133.70	100.47	End Shu		
		R	104	200.14	100.17 101.26	Shut-In	o Flow (2) 2)	
	Re Milline (2	1478 60	149 149	651.11 1580.19	102.71 103.21	End Shu		
SPM OPM Wed Nay 2013 Time (House)	GPas							
Recovery					Gas	s Rates		
Length (ft) Description	Volume (bbl)]			Choke (ii	nches) Pre	essure (psig)	Gas Rate (Mcf/d)
170.00 GMCWO 20%G 60%O 10								-1
320.00 Free Oil	4.49	4						
40.00 SOMCW 5%O 75%W 209		4						
0.00 120 GIP	0.00	-						
Trilobite Testing, Inc	Ref. No: 51607					2013.05		

Trilobite Testing, Inc

Printed: 2013.05.13 @ 13:25:47

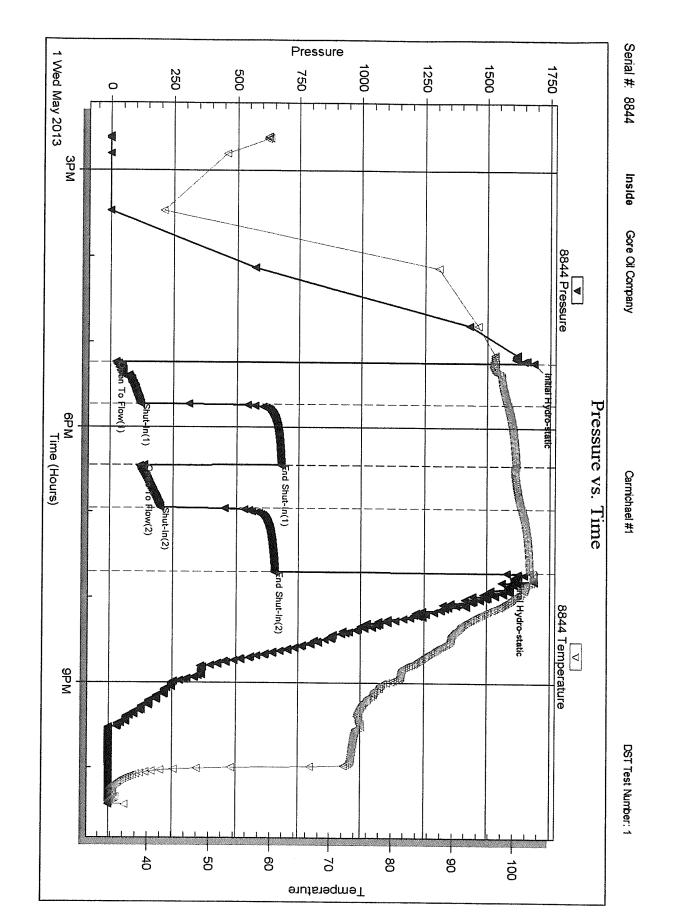
RILOBITE	DRILL STEM TI	ESI KEP			
TESTING, INC	Gore Oil Company		22-9s-18v	v Rooks,K	S
	PO Box 2725 Wichita, KS 67202		Carmicha Job Ticket:		DST#: 1
	ATTN: AI Dow ning			2013.05.01 (
GENERAL INFORMATION:					
Formation: Lansing "E-F-G" Deviated: No Whipstock: Time Tool Opened: 17:14:09 Time Test Ended: 22:25:38	ft (KB)		Test Type: Tester: Unit No:	Conventior Daniel Ferti 68	al Bottom Hole (Initial) g
Interval: 3414.00 ft (KB) To 34 Total Depth: 3456.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	′D)		Reference I	Elevations:	2173.00 ft (KB) 2165.00 ft (CF) 8.00 ft
Serial #: 8372 Outside					0.00 ft
Press@RunDepth: psig (Start Date: 2013.05.01 Start Time: 14:35:57	 3416.00 ft (KB) End Date: End Time: 	2013.05.01 22:25:02	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.05.01
TEST COMMENT: IFP- 30- Strong Bl ISI- 45- Weak blov FFP- 30- Strong B					
FSI- 45- Weak Bio	ow , 1/2" build.		DDESSI		
FSI- 45- Weak Blo	w, 1/2" build.	Time	Pressure Temp	RE SUMM	
FSI- 45- Weak Bio	w, 1/2" build.	αα (Min.) ο ο ο ο ο ο ο		Annotati	
FSI- 45- Weak Blo	w, 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F	Annotati	
FSI- 45- Weak Blo Pressure vs. The pressure vs. The press	ww , 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F Ga	Annotati	
FSI- 45- Weak Blo Pressure vs. The Pressure vs. The Press	ww , 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F Ga	Annotati	on
FSI- 45- Weak Blo Pressure vs. The pressure vs. The press	ww , 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F Ga	Annotati	on
FSI- 45- Weak Blo Pressure vs. The Pressure vs. The Press	ww , 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F Ga	Annotati	on
FSI- 45- Weak Blo Pressure vs. The Pressure vs	w, 1/2" build.	αα (Min.) ο ο ο ο ο ο ο	Pressure Temp (psig) (deg F Ga	Annotati	on

RILOB	ITF			MTEST	REPO	RT	TOOL DIAGRA
Trot	(16) 1810	Gore O	il Company			22-9s-18w Rooks,KS	3
	ING , INC.					Carmichael #1	
		Wichita	, KS 67202			Job Ticket: 51607	DST#: 1
The second		ATTN:	AI Dow ning			Test Start: 2013.05.01 @	9 14:35:59
Tool Information							
Drill Pipe: Length:	3407.00 ft	Diameter:	3.80 in	ches Volume:	47.79 bb	ol Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:		ches Volume:			
Drill Collar: Length:	0.00 ft	Diameter:	2.25 in	ches Volume:	0.00 bb		
Drill Pipe Above KB:	13.00 ft			Total Volume:	47.79 bb		ft
	3414.00 ft					String Weight: Initial	43000.00 lb
Depth to Bottom Packer:	ft					Final	45000.00 lb
Interval between Packers:	42.00 ft						
Tool Length:	62.00 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
Tool Comments:							
Tool Description	Ler	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool		5.00			3399.00		
-lydraulic tool		5.00			3404.00		
Packer		5.00			3409.00	20.00	Bottom Of Top Packer
Packer		5.00			3414.00		
Perforations		1.00			3415.00		
Change Over Sub		1.00			3416.00		
Recorder		0.00	8844	Inside	3416.00		
Recorder		0.00	8372	Outside	3416.00		
Drill Pipe		31.00			3447.00		
Change Over Sub		1.00			3448.00		
Perforations		5.00			3453.00		
Bullnose		3.00	W		3456.00	42.00 Bo	tom Packers & Anchor
Total Tool I	Length:	62.00					*** ··································

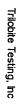
DA	RILOBITE	DRI	LL STEM TEST REPORT	•	F	
証明		Gore C)il Company	22-9s-18w	Rooks,KS	
	ESTING , INC		s 2725 1, KS 67202	Carmicha Job Ticket: 5		DST#: 1
MJ.Call		ATTN:	AI Dow ning	Test Start: 2	2013.05.01 @ 14:	35:59
Mud and	Cushion Information					······································
	Gel Chem		Cushion Type:		Oil API:	37 deg A PI
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	30000 ppm
Viscosity:	51.00 sec/qt		Cushion Volume:	bbl	-	.,
Water Loss:	7.38 in ³		Gas Cushion Type:			
Resistivity:	0.48 ohm.m		Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm					
Filter Cake:	5.00 inches					
Recovery	Information					
			Recovery Table			
	Lengt ft	ih	Description	Volume]	
		170.00		bbl	-	
		170.00	GMCWO 20%G 60%O 10%W 10%M Free Oil	2.385	-	
		320.00 40.00		4.489	-	
		0.00	SOMCW 5%O 75%W 20%M 120 GIP	0.56		
	L Total Length:		00 ft Total Volume: 7.435 bbl	0.000	<u>1</u>	
				.		
	Num Fluid Samp		Num Gas Bombs: 0	Serial #		
	Laboratory Nam Recovery Comn		Laboratory Location:			
	Recovery conin	enis.				

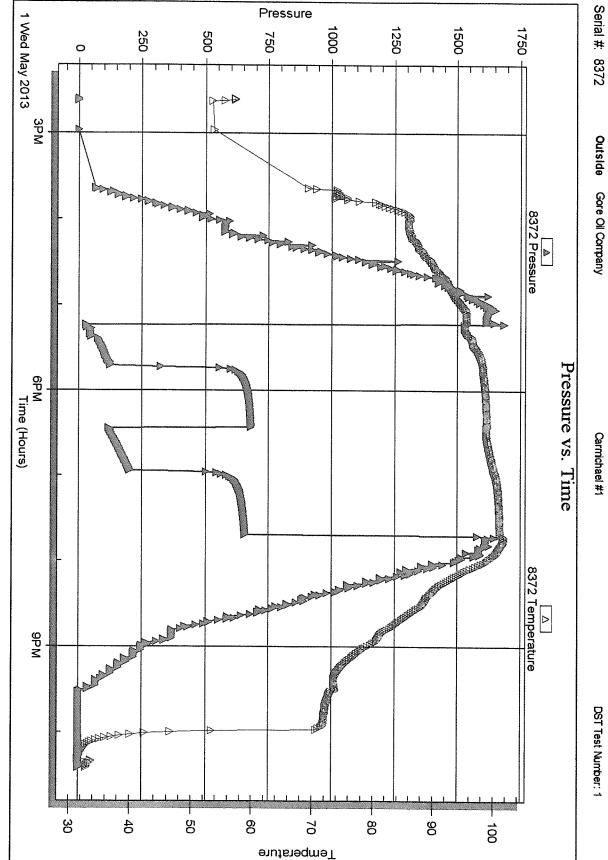


Trilobite Testing, Inc











DRILL STEM TEST REPORT

Prepared For:

Gore Oil Company

PO Box 2725 Wichita, KS 67202

ATTN: AI Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date:	2013.05.02 @	08:40:41	
End Date:	2013.05.02 @	15:05:01	
Job Ticket #:	51608	DST #:	2

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

Printed: 2013.05.13 @ 13:25:00

RILOBITE	Gore Oil Company			40		
ESTING, INC			22-95-	-18W F	looks,KS	
	PO Box 2725 Wichita, KS 67202		Carm	ichae l ket: 516		DST#: 2
	ATTN: AI Dow ning				13.05.02 @	
GENERAL INFORMATION:						
Formation: Lansing "H-I-J" Deviated: No Whipstock: Time Tool Opened: 10:23:01 Time Test Ended: 15:05:01	ft (KB)		Test Ty Tester: Unit No	D	aniel Fertig	Il Bottom Hole (Reset)
Interval:3464.00 ft (KB) To353Total Depth:3536.00 ft (KB) (TVHole Diameter:7.88 inchesHole	D)		Referen		vations: GR/CF:	2173.00 ft (KB) 2165.00 ft (CF) 8.00 ft
Serial #: 8372 Outside Press@RunDepth: 68.26 psig @ Start Date: 2013.05.02 Start Time: 08:40:46	3470.00 ft (KB) End Date: End Time:	2013.05.02 15:05:01	Capacity: Last Calib.: Time On Btm Time Off Btn		013.05.02 (8000.00 psig 2013.05.02 @ 10:22:51 @ 13:23:20
TEST COMMENT: IFP-45- Weak blov ISI-45- No blow . FFP-45- Weak blo FSI-45- No blow . Pagaga ya Ti	w . Built to 2 1/2"			0.011		
Pressure vs. Tu V 872 Pressure	ne 372 Temperature	↓			E SUMM	
	50 66 70 75 75 70 70 70 70 70 70 70 70 70 70 70 70 70	Time (Min.) 0 1 46 90 135 181 181	(psig) (d 1716.58 16.76 48.41 728.96 53.39 68.26 714.46	91.97 94.95 96.17 95.86 97.84 98.71	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2)
0	ананананананананананананананананананан					
Thu May 2013 Tens (Hause) Recovery	анцина (Rates	
Length (fl) Description	Volume (bbl)			Gas Choke (inc	· · · · · · · · · · · · · · · · · · ·	re (psig) Gas Rate (Mcf/d)
The May 2013 Time (Hease) Recovery Length (ft) Description 85.00 SOCM 5%O 95%M	1.19				· · · · · · · · · · · · · · · · · · ·	re (psig) Gas Rate (Mct/d)
Length (fl) Description					· · · · · · · · · · · · · · · · · · ·	re (psig) Gas Rate (Mct/d)
The May 2013 Time (Hease) Recovery Length (ft) Description 85.00 SOCM 5%O 95%M 25.00 Free Oil	1.19 0.35				· · · · · · · · · · · · · · · · · · ·	re (psig) Gas Rate (Mct/d)

RILOBITE	Gore Oil Company		22-	9s-18w	Rooks,K	S
ESTING , INC	PO Box 2725			rmicha		
	Wichita, KS 67202			Ticket: 5		DST#:2
	ATTN: AI Dow ning					@ 08:40:41
GENERAL INFORMATION:						
Formation: Lansing "H-I-J" Deviated: No Whipstock: Time Tool Opened: 10:23:01 Time Test Ended: 15:05:01	ft (KB)		Tes Tes Unit	ter:	Conventior Daniel Fert 68	nal Bottom Hole (Reset) ig
Interval:3464.00 ft (KB) To3Total Depth:3536.00 ft (KB) (THole Diameter:7.88 inchesHo			Refe		levations: to GR/CF:	2173.00 ft (KB) 2165.00 ft (CF) 8.00 ft
Serial #: 8844 Inside						
Press@RunDepth: psig	÷ (,		Capacity			8000.00 psig
Start Date: 2013.05.02 Start Time: 08:40:07	End Date: End Time:	2013.05.02	Last Calit			1899.12.30
00.40.07		15:04:12	Time On I Time Off	- • • •		
FSI-45- No blow Pressure vs.	·					
FSI-45- No blow Pressure vs.	Now . Built to 2 1/2"	Time	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	Diow . Built to 2 1/2"	^{noo} (Min.) xs			Annotat	
FSI-45- No blow Pressure vs.	Diow . Built to 2 1/2"	100 (Min.) 25 20	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 25 26	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 25 26	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp	Annotat	
FSI-45- No blow Pressure vs.	Now . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat	
FSI-45- No blow Pressure vs.	Now . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	ion
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	ion
FSI-45- No blow Pressure vs.	blow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	ion
FSI-45- No blow Pressure vs.	Diow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	ion
FSI-45- No blow Pressure vs.	Diow . Built to 2 1/2"	800 (Min.) 86 86 ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ ກະອາສາ	Pressure	Temp (deg F)	Annotat s Rates	ion

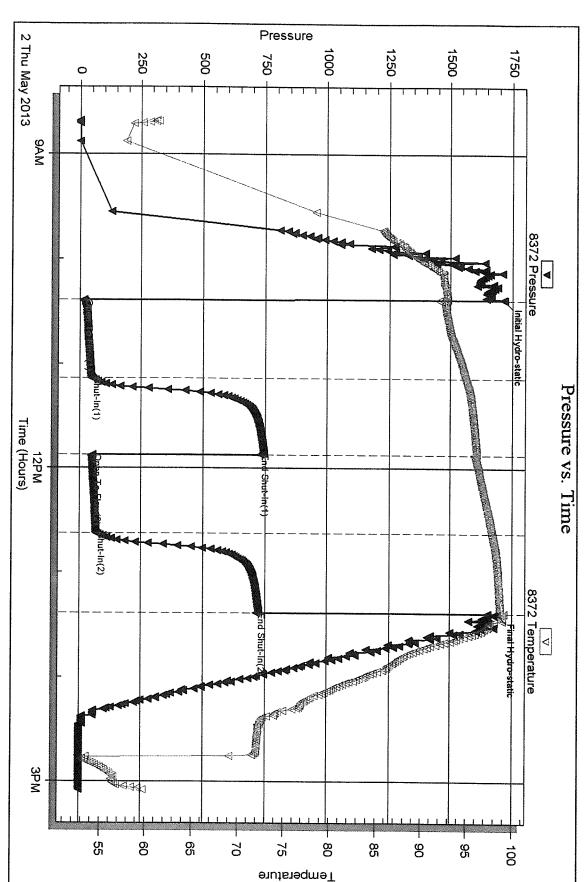
Correction Correction Carmichael #1 Job Ticket: 51608 DST#: 2 ATTN: Al Dow ning Test Start: 2013.05.02 @ 08:40:41 Tool Information Dimeter: 3.80 inches Volume: 48.66 bbl Tool Weight: 2000.00 ib Drill Pipe: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 45000.00 ib Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 45000.00 ib Drill Pope Above KB: 25.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 45000.00 ib Dipth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Total Advecter: 500 ft Depth to Top Packer: 25.00 ft Total Volume: 48.66 bbl Total Advecter: Final 43000.00 ib Poll ho Top Packer: 25.00 ft Total Volume: 48.66 bbl Total Volume: 48.66 bbl Total Volume: 48.66 bbl Total Volume: 48.66 bbl Total	ADAT	RILOE	RITE		LLSI	EMIES	T REPO	RT	TOOL DIAGR
Wichita, KS 67202 Job Ticket 31608 DST#: 2 ATTN: AI Dow ning Test Start: 2013.05.02 @ 08:40:41 Tool Information Drill Pipe: Length: 3469.00 ft Diameter: 3.80 inches Volume: 48.66 bbl Tool Weight: 2000.00 lb Drill Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Pipe Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 2000.00 lb Drill Pipe Above KB: 25.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 lb Depth to Top Packer: 3464.00 ft Ength (ft) String Weight: Initial 43000.00 lb Depth to Top Packer: 22.00 ft Tool Length: 92.00 ft String Weight: String 43000.00 lb Number of Packers: 72.00 String Veight: String 43000.00 lb String 43000.00 lb Packer		and a subscription of the		Gore O	il Company			22-9s-18w Rool	ks,KS
ATTN: AI Dow ning Job Ticket: 51608 DST#: 2 Tool Information Test Start: 2013.05.02 @ 08:40:41 Test Start: 2000.00 lb Drill Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 2000.00 lb Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 5000.00 lb Drill Pipe Above KB: 25.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 5000.00 lb Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Total Volume: 43000.00 lb Depth to Top Packer: 3464.00 ft Final 43000.00 lb Final 43000.00 lb Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 43000.00 lb Shut In Tool 5.00 3449.00 449.00 Packer 5.00 3459.00 20.00 Bottom Of Top Packer Shut In Tool 5.00 3469.00 3469.00		ESI	ING , INC	1 10 000				Carmichael #1	
Tool Information Drill Pipe: Length: 3469.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Pipe Above KB: 25.00 ft Total Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Pipe Above KB: 25.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 lb Depth to Bottom Packer: ft Final 43000.00 lb String Weight: Initial 43000.00 lb Interval between Packers: 72.00 ft Tool Length 92.00 ft String Weight: Number of Packers: Number of Packers: 2 Diameter: 6.75 inches String Weight: String Weight: String Weight: Number of Packers: 2 Diameter: 6.75 inches String Weight: String Weight: String Weight: Number of Packers: 2 Diameter: 6.75 inches String Weight: String Weight: String Weight: Shut In Tool 5.00 3449.00 3449.00 </th <th></th> <th></th> <th></th> <th>Wichita</th> <th>, KS 67202</th> <th></th> <th></th> <th>Job Ticket: 51608</th> <th>DST#: 2</th>				Wichita	, KS 67202			Job Ticket: 51608	DST#: 2
Drill Pipe: Length: 3469.00 ft Diameter: 3.80 inches Volume: 48.66 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: 2500.00 lb Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 48.66 bbl Tool Weight: 2000.00 lb Drill Pipe Above KB: 25.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft 5100 ft Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft 5100 ft Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl String Weight: Initial 43000.00 lb Interval betw een Packers: 72 0 bt Total Volume: 6.75 inches String Weight: S				ATTN:	AI Dow nir	ıg		Test Start: 2013.05	5.02 @ 08:40:41
Heavy W. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight ston Packer: 25000.00 lb Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight ston Packer: 25000.00 lb Drill Pipe Above KB: 25.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft Depth to Top Packer: 3464.00 ft Total Volume: 48.66 bbl Tool Chased 0.00 ft Depth to Top Packer: 3464.00 ft Final 43000.00 lb String Weight: Initial 43000.00 lb Depth to Bottom Packer: ft Final 43000.00 lb Final 43000.00 lb Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 43000.00 lb Shut In Tool 5.00 3449.00 Accum. Lengths Packer Shut In Tool 5.00 3459.00 20.00 Bottom Of Top Packer Packer 5.00 3469.00 Packer 5.00 Accum. Lengths Packer 5.00 3469.00 Packer String Weight: Initial Keight (Keight (Keight (Keight (Keight (Keight (Keight (Ke	Tool Informatio	on							
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	Shut In Tool Hydraulic tool Packer Packer Perforations Change Over Sub Recorder Recorder Drill Pipe)	Lei	5.00 5.00 5.00 5.00 1.00 0.00 0.00 62.00	8844	Inside	3449.00 3454.00 3459.00 3464.00 3469.00 3470.00 3470.00 3470.00 3532.00		Bottom Of Top Packe
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	Shut In Tool Hydraulic tool Packer Packer Change Over Sub Recorder Recorder Drill Pipe Change Over Sub Bullnose)		5.00 5.00 5.00 5.00 1.00 0.00 0.00 62.00 1.00 3.00	8844	Inside	3449.00 3454.00 3459.00 3469.00 3470.00 3470.00 3470.00 3532.00 3533.00	20.00	
	Shut In Tool Hydraulic tool Packer Packer Change Over Sub Recorder Recorder Drill Pipe Change Over Sub Bullnose)		5.00 5.00 5.00 5.00 1.00 0.00 0.00 62.00 1.00 3.00	8844	Inside	3449.00 3454.00 3459.00 3469.00 3470.00 3470.00 3470.00 3532.00 3533.00	20.00	

RILOBI	TE	DRI	LL ST	FEM TEST	REPOR	Г	FLU	
	1	Gore C	Dil Compan	у		22-9s-18w	Rooks,KS	
I ESTI	NG , INC.	PO Box 2725 Wichita, KS 67202			Carmichael #1 Job Ticket: 51608 DST#: 2			
	ATTN:	AI Dow n	ning			2013.05.02 @ 08:40:-		
Mud and Cushion Info	rmation							
Mud Type: Gel Chem			С	ushion Type:			Oil API:	
Mud Weight: 9.00 lb/	/gal			ushion Length:		ft	Water Salinity:	deg API
/iscosity: 51.00 se	ec/qt			ushion Volume:		bbl	water Gainity.	ppm
Vater Loss: 7.38 in ^s	3			as Cushion Type:				
	ım.m			as Cushion Pressur	e:	psig		
Salinity: 2800.00 pp	m					19		
Filter Cake: 5.00 inc	ches							
Recovery Information			_					
Г	Length	-	R	ecovery Table			7	
_	ft			Description		Volume bbi		
-		85.00		%O 95%M		1.19	2	
F		25.00	Free Oil			0.35		
L		0.00	120 GIP			0.000	2	
	Length:		00 ft	Total Volume:	1.543 bbi			
	Fluid Sample			Num Gas Bombs:	0	Serial #		
	oratory Name overy Comm			Laboratory Locatio	n:			
			7,900					

Printed: 2013.05.13 @ 13:25:03

Ref. No: 51608

Trilobite Testing, Inc



Serial #: 8372

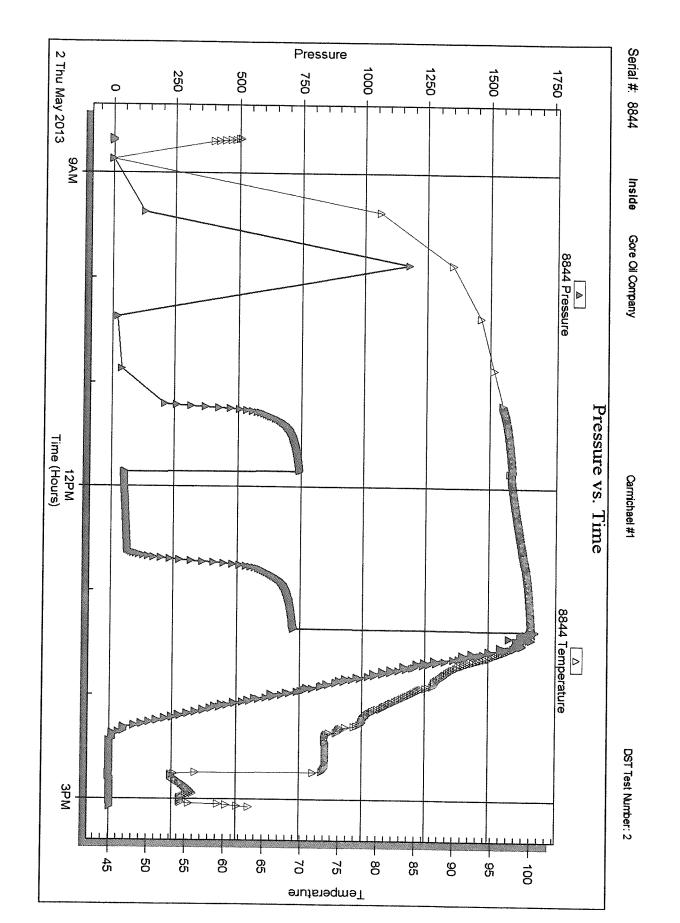
Outside Gore Oil Company

Carmichael #1

DST Test Number: 2



Trilobite Testing, Inc





DRILL STEM TEST REPORT

Prepared For:

Gore Oil Company

PO Box 2725 Wichita, KS 67202

ATTN: AI Downing

Carmichael #1

22-9s-18w Rooks,KS

Start Date:	2013.05.03 @	00:45:04	
End Date:	2013.05.03 @	08:45:54	
Job Ticket #:	51609	DST #:	3

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

RILOBITE	DRILL STEM TE	ST REP	ORT		
	Gore Oil Company		22-9	s-18w Rooks,KS	
ESTING , INC	PO Box 2725 Wichita, KS 67202			nichael #1	
				ïcket: 51609	DST#: 3
. Where the	ATTN: AI Dow ning		Test S	Start: 2013.05.03 @	00:45:04
GENERAL INFORMATION:					
Formation: Arbuckle Deviated: No Whipstock: Fime Tool Opened: 03:14:34 Fime Test Ended: 08:45:54	ft (KB)		Test T Teste Unit N	r: Daniel Fertig	I Bottom Hole (Reset)
nterval: 3566.00 ft (KB) To 366			Refere	ence Elevations:	2173.00 ft (KB)
Total Depth: 3456.00 ft (KB) (TV					2165.00 ft (CF)
Hole Diameter: 7.88 inchesHole	Condition: Fair			KB to GR/CF:	8.00 ft
Press@RunDepth: 123.68 psig @ Start Date: 2013.05.03 Start Time: 00:45:09 TEST COMMENT: IFP-45- Good blow ISI-45- No Blow FFP-45- Weak blo	End Date: End Time: v. 9" Build	2013.05.03 08:45:54	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 2013.05.03 (
FSI-45- No Blow . Pressure vs. Tir 8572 Pressure	020 8372 Temperature	Time		SSURE SUMMA	
Pressure vs. The DST2 Pressure DST2 Pressure DST	0272 Temperature 0272 Tempera	Time (Min.) 0 1 46 89 90 137 183 183 184	Pressure (psig) (r 1812.89 27.17 76.06 996.39 88.19 123.68 961.51		n static ow (1) (1) ow (2) (2)
Pressure vs. The ST2 Preser 500 000 000 000 000 000 000 00	000 000 000 000 000 000 000 000	(Min.) 0 1 46 89 90 137 183	Pressure (psig) (r 1812.89 27.17 76.06 996.39 88.19 123.68 961.51	Temp Annotatio deg F) 95.70 Initial Hydro 94.99 Open To Fk 99.94 Shut-In(1) 100.84 End Shut-In 100.53 Open To Fk 101.68 Shut-In(2) 102.48 End Shut-In 102.95 Final Hydro	n Static cow (1) ((1) cow (2) (2) (2) static
Pressure vs. Thr COT / Pressure COT / Pressu	ВУ2 Титритан ВУ2 Титритан В	(Min.) 0 1 46 89 90 137 183	Pressure (psig) (r 1812.89 27.17 76.06 996.39 88.19 123.68 961.51	Temp Annotatio deg F) 95.70 Initial Hydro 94.99 Open To Fk 99.94 Shut-In(1) 100.84 End Shut-In 100.53 Open To Fk 101.68 Shut-In(2) 102.48 End Shut-In 102.95 Final Hydro Gas Rates	n static pw (1) ((1) pw (2) (2) -static
Pressure vs. The BUT Phene Provide P	ВЗЗ2 Типриталя 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(Min.) 0 1 46 89 90 137 183	Pressure (psig) (r 1812.89 27.17 76.06 996.39 88.19 123.68 961.51	Temp Annotatio deg F) 95.70 Initial Hydro 94.99 Open To Fk 99.94 Shut-In(1) 100.84 End Shut-In 100.53 Open To Fk 101.68 Shut-In(2) 102.48 End Shut-In 102.95 Final Hydro	n Static cow (1) ((1) cow (2) (2) (2) static
Pressure vs. The Description 552/heave 5572/heave	0272 Temperature 0272 Temperature 0272 Temperature 0272 Temperature 0272 Temperature 0270	(Min.) 0 1 46 89 90 137 183	Pressure (psig) (r 1812.89 27.17 76.06 996.39 88.19 123.68 961.51	Temp Annotatio deg F) 95.70 Initial Hydro 94.99 Open To Fk 99.94 Shut-In(1) 100.84 End Shut-In 100.53 Open To Fk 101.68 Shut-In(2) 102.48 End Shut-In 102.95 Final Hydro	n static pw (1) ((1) pw (2) (2) -static

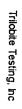
RILOBITE	DRILL STEM TES	ST REP	ORT		
	Gore Oil Company		22-9s-18	w Rooks,K	S
ESTING , INC	PO Box 2725 Wichita, KS 67202		Carmich Job Ticket		
	ATTN: AI Dow ning			2013.05.03 (DST#: 3 @ 00:45:04
GENERAL INFORMATION:					
Formation: Arbuckle					
Deviated: No Whipstock: Time Tool Opened: 03:14:34 Time Test Ended: 08:45:54	ft (KB)		Test Type: Tester: Unit No:	Convention Daniel Ferti 68	al Bottom Hole (Reset) g
Interval: 3566.00 ft (KB) To 366 Total Depth: 3456.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)			Elevations:	2173.00 ft (KB) 2165.00 ft (CF) 8.00 ft
Serial #: 8844 Inside					
Serial #: 8844 Inside Press@RunDepth: psig Start Date: 2013.05.03 Start Time: 00:45:16	3571.00 ft (KB) End Date: End Time:	2013.05.03 08:46:21	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.05.03
TEST COMMENT: IFP-45- Good blov ISI-45- No Blow FFP-45- Weak blo FSI-45- No Blow . Pressure vs. Th	w . 3" Build		PRESS		1ARY
1720	EA	Time	Pressure Tem		
500 500 500 500 500 500 500 500			(psig) (deg		
Recovery			L (Gas Rates	
Length (ft) Description	Volume (bbl)				ure (psig) Gas Rate (Mcf/d)
64.00 SOCM 5%O 95%M	0.90				
64.00 HOCM 40%O 60%M	0.90				
150.00 MO 85%O 15%M	2.10				
	2.10				
	2.10				

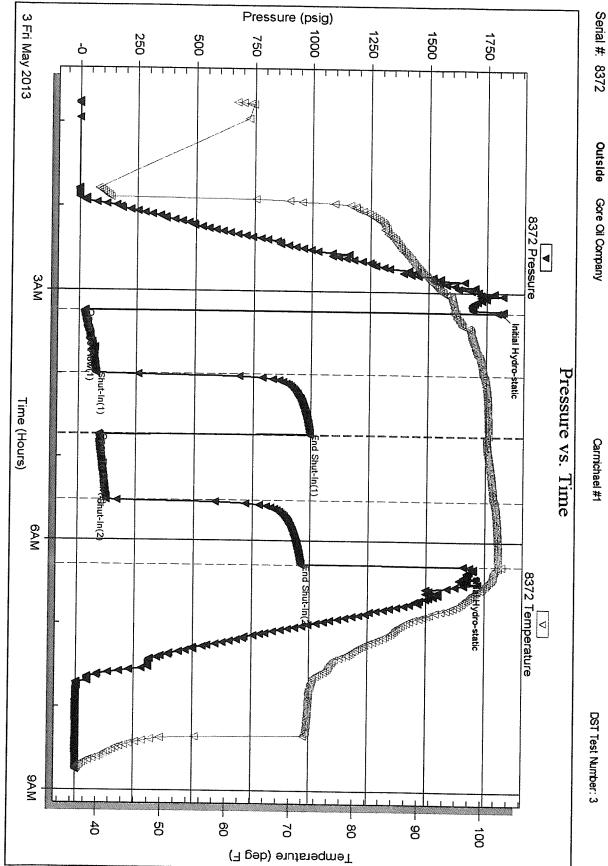
	RILOE	RITE	ואט	LLSIE	EM TEST	REPC	RT		TOOL DIAGRA
	Tros	T ING , INC	Gore O	il Company			22-9s-18w Ro	oks,KS	6
	ESI	'ING , INC	1 10 000				Carmichael #	#1	
			Wichita	, KS 67202			Job Ticket: 5160	9	DST#: 3
			ATTN:	AI Dow ning	3		Test Start: 2013	.05.03 @	00:45:04
Tool Informatio	on		I			· · · · · · · · · · · · · · · · · · ·			
Drill Pipe:	Length:	3560.00 ft	Diameter:	3.80 ii	nches Volume:	49.94 bi	ol Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 ii	nches Volume:	0.00 bt	-	Packer:	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 i	nches Volume:	0.00 bł	Weight to Pull	Loose:	50000.00 lb
Drill Pipe Above I	<b.< td=""><td>14.00 ft</td><td></td><td></td><td>Total Volume:</td><td>49.94 bł</td><td>Tool Chased</td><td></td><td>0.00 ft</td></b.<>	14.00 ft			Total Volume:	49.94 bł	Tool Chased		0.00 ft
Depth to Top Pac		3566.00 ft					String Weight:	Initial	45000.00 lb
Depth to Bottom		5500.00 ft						Final	45000.00 lb
Interval between		40.00 ft							
Tool Length:		60.00 ft							
Tool Length: Number of Packe	rs:	60.00 ft 2	Diameter:	6.75 ir	nches				
Ũ	rs:		Diameter:	6.75 ir	nches				
Number of Packe Tool Comments:	-	2		6.75 ir Serial No.		Depth (ft)	Accum. Lengths		
Number of Packe Tool Comments: Tool Descriptio	-	2				Depth (ft) 3551.00	Accum. Lengths		
Number of Packe Tool Comments: Tool Description Shut In Tool	-	2	ngth (ft)				Accum. Lengths		
Number of Packe Tool Comments: Tool Descriptic Shut In Tool Hydraulic tool	-	2	ngth (ft) 5.00			3551.00	Accum. Lengths		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Shut In Tool Hydraulic tool Packer	-	2	ngth (ft) 5.00 5.00			3551.00 3556.00			Bottom Of Top Packe
Number of Packe	-	2	ngth (ft) 5.00 5.00 5.00			3551.00 3556.00 3561.00			Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Shut In Tool Hydraulic tool Packer Packer	on	2	ngth (ft) 5.00 5.00 5.00 5.00			3551.00 3556.00 3561.00 3566.00			Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Shut In Tool Hydraulic tool Packer Packer Perforations Change Over Sub	on	2	ngth (ft) 5.00 5.00 5.00 5.00 4.00			3551.00 3556.00 3561.00 3566.00 3570.00			Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Shut In Tool Hydraulic tool Packer Packer Perforations Change Over Sut Recorder	on	2	ngth (ft) 5.00 5.00 5.00 5.00 4.00 1.00	Serial No.	Position	3551.00 3556.00 3561.00 3566.00 3570.00 3571.00			Bottom Of Top Packe
Number of Packe Tool Comments: Tool Description Shut In Tool Hydraulic tool Packer Packer Packer Perforations Change Over Sut Recorder Recorder	on	2	5.00 5.00 5.00 5.00 4.00 1.00 0.00	Serial No. 8844	Position	3551.00 3556.00 3561.00 3566.00 3570.00 3571.00 3571.00			Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Shut In Tool Hydraulic tool Packer Packer Perforations	on o	2	ngth (ft) 5.00 5.00 5.00 4.00 1.00 0.00 0.00	Serial No. 8844	Position	3551.00 3556.00 3566.00 3566.00 3570.00 3571.00 3571.00 3571.00			Bottom Of Top Packe

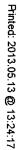
	DR	LL STEM TEST F	REPORT	_	F	LUID SU	MARY
RILOBITE	Gore (Dil Company		22-9s-18w	/ Rooks,KS		
ESTING , IN		x 2725 a, KS 67202		Carmicha Job Ticket:		DCT# 2	
	ATTN:	ATTN: AI Dow ning			2013.05.03 @ 00:	DST#: 3	
Mud and Cushion Information)				<u> </u>		
Aud Type: Gel Chem		Cushion Type:			Oil API:		
Aud Weight: 9.00 lb/gal		Cushion Length:		ft	Water Salinity:		eg API pm
/iscosity: 54.00 sec/qt		Cushion Volume:		bbl	viator ourney.	þ	pm
Vater Loss: 7.19 in ³		Gas Cushion Type:					
Resistivity: ohm.m Salinity: 2900.00 ppm Filter Cake: 5.00 inches		Gas Cushion Pressure	2:	psig			
Recovery Information					·		
	ngth	Recovery Table			7		
	t	Description		Volume bbl			
	64.00	SOCM 5%O 95%M		0.89	8		
	64.00	HOCM 40%O 60%M		0.89	8		
	150.00	MO 85%O 15%M		2.104	4		
Total Length:	278	.00 ft Total Volume:	3.900 bbl				
Num Fluid San		Num Gas Bombs:	0	Serial #			
Laboratory Na Recovery Cor		Laboratory Location	n:				

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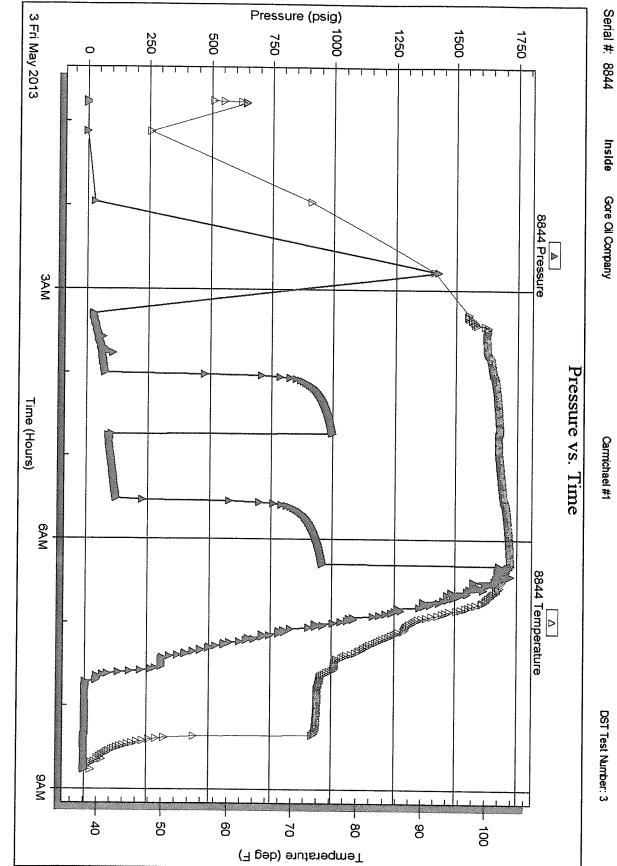
Ref. No: 51609











RILOBITE				t Ticket	
4/10 1515 Commerce Parkwa	y • Hays, Kansas 6760	01	NO.	51607	
Well Name & No. Carmichael #	1	Test No	1	Date 5-1-1	3
Company Gore Oil Company		Elevation	2173	кв2 <i>16</i>	<u>5</u> GL
Addross PO Box 2757 Wiehite					
Co. Rep/Geo. Marc Powning		Rig	yarick	108	
Location: Sec. <u>22</u> Twp. <u>93</u>					15
Interval Tested 34/4 - 3456				6-	
Anchor Length <u>42</u>				Mud W1. 9,/	anna in the second s
Top Packer Depth 34/4				Vis5/	n mar bij ster i i i maratika sosraje a
Bottom Packer Depth 3419	• •			WL 7.4	and a state of the
Total Depth 3456	_ Chlorides _ 2	<u>800 p</u>	pm System	LCM5	·····
Blow Description 2 - IFP - Strong bloc	V 13013 10 mil	nutes			progene and the second
43-191 - Weak blow	1 build				
30-FFP-Strong bloc	1. 1301 - 9 m	nutes			
45 FSI- Weak blow		A			
Rec 170 Feel of GMCWO		20 %gas	60 %oil	10 %water	10 %mud
Roc 320 Feel of Free Oil		%gas	100 %uil	%water	%mud
Rec 40 Feet of SOMCW		%gas	5 %oil	75%water	20%mud
Roc Feel of		%gas	%oil	%water	%mud
Roc - Foet of 120 G-IP	······································	%gas	%oil	%water	%mud
Roc Total 530 BHT	Gravity 3/ Al	PIRW 48	@ <u>32</u> °F	Chlorides 303	2.c* ppm
(A) Initial Hydrostatic <u>1687</u>				cation 1200	
(B) First Initial Flow 22	🛛 Jars		T-Starte	d 1435	
(C) First Final Flow	Safety Joint			1712	
(D) Initial Shut-In673	Circ Sub			1945	
(E) Second Initial Flow	Hourly Standby		T-Out_	and a second sec	
(F) Second Final Flow 200	Mileage 60rt	93		nts	
(G) Final Shut-In <u>6.57</u>	Sampler	••• •• ·•• ··· ··· ··· ··· ··· ··· ···		The Add And Annual The State of	
(H) Final Hydrostatic 1580	Ü Straddle		Ros of the second	ed Shalo Packor	
2.0	Shale Packer				
Initial Open	C Extra Packer			ed Packer	
Initial Shut-In45	C Extra Recorder			a Copies	
Final Flow <u>30</u>	Day Standby			1243	
Final Shut-In 45	C Accessibility			l Disc't	
	Sub Total 1243			······	

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RILOBITE JESTING INC 1515 Commorce Parkwa	y ∙ Hays, Kansas 67601		Tes NO.	t Ticket 51608	
Well Name & No. Carmichael #: Company Gone oil Company Addross PO box 2757 Wichit Co. Rop / Geo. <u>AL Powning</u> Location: Sec. <u>22</u> Twp. <u>95</u> Interval Tested <u>3464 - 3536</u> Anchor Longth <u>72</u>	A, .KS Rge/8 Zone Tested Drill Pipe Run	Elevation Rig_Ma. CoRancing 346°9	2173 veriek vers "H-I-	кв216 198 State	5GL K_5
Top Packer Depth 3464 Bottom Packer Depth 3469 Total Depth 3536	Wt. Pipe Run	÷			2
Blow Duscription <u>45 - IFP - Weaks</u> <u>45 I91 - No bl</u> <u>45 FFP - Weaks</u> <u>45 F5I - No blo</u>	low 8/2 build	l. uild.			·····
Rec 85 Feet of SOCM			5 %oil	%water	95 %mud
Rec 25 Feet of Free 0,1			/00 %oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feel of 120 GIP		<u>%gas</u>	%oil	%water	%mud
Rec Total 10 BHT 48	Gravity 32 API	RW	@`F	Chlorides -	0000
(A) Initial Hydrostatic 1/16				ocation 08/G	
(B) First Initial Flow17	🛛 Jars			2410	
(C) First Final Flow48	CI Safety Joint			•	
(D) Initial Shut-In729	Circ Sub				· · · · · · · · · · · · · · · · · · ·
(E) Second Initial Flow53	Hourly Standby		T () , (Consistence of the second conservation
(F) Second Final Flow68				nts	
(G) Final Shut-In 714	Mileage 93				
(H) Final Hydrostatic/6'9/	Sampler				
	O Straddle			ied Shale Packer	
Initial Open 45	Shale Packer			ed Packer	······································
4 б	C Extra Packer		- O Extr	a Copies	
46	Extra Recorder		Sub Tota	al <u>0</u>	· ··· ••
Final Churchen 45	CI Day Standby			1243	·····
Final Shut-In 15	C Accessibility		. MP/DS	T Disc'l	
	Sub Total 1243		· (1)		

Approved By______Our Representative______Our Representative______Our J______ Indexte Testing Inc. shall not be hable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any toss suffered or sustained, directly. 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 tail for at cost by the party for whom the test is made

ATION TRILOBITE STING IN 1515 Commerce Parkw	C. /ay ← Hays, Kansas 67601	Test Ticket No. 51609
Well Name & No. <u>Carmicheal</u> # Company <u>Gore Dil Company</u> Address <u>PO Box</u> <u>1757</u> <u>Wich</u> Co. Rep / Geo. <u>Marc Downing</u> Location: Suc. <u>22</u> Twp. <u>95</u> Interval Testud <u>3566 - 3606</u>	ElevationElevation Lita, Ks, 67202 	2173 KB 2165 GL Ven'K 108 2KS State KS
Anchor Longth 40 Top Packer Depth $35CC$ Bottom Packer Depth 3571 Total Depth $3CCC$ Blow Description $45 - IF P - Gard$ $45 - IS I - N_C b$	Drill Pipe Run <u>3560</u> Drill Collars Run <u></u> Wt. Pipe Run <u></u> Chlorides <u>2900</u> pj blow. <u>9" build</u>	Mud WI. <u>9.1</u> Vis <u>5.9</u> WL <u>7.2</u> pm System LCM <u>5</u>
$\frac{45 - FFP - Weak}{45 - FSE - No bi}$ Rec_6'4 Feet of SOCM Rec_6'4 Feet of $\frac{HOCM}{MO}$ Rec_6'4 Feet of $\frac{HOCM}{MO}$ Rec_150 Feet of MO	blow, 3° build low, %gas %gas %gas %gas	5 %oil %water 95 %mud 40 %oil %water 60 %mud 85 %oil %water 15 %mud %oil %water %mud
Roc Total2.78BHT10'3(A) Initial Hydrostatic1813(B) First Initial Flow2.7(C) First Final Flow76(D) Initial Shut-In996(E) Second Initial Flow88	Tost 1150 I Jars I Safety Joint I I Circ Sub I I Hourly Standby I	$ \begin{array}{c} @ & F \ Chlorides & ppm \\ \hline T \ On \ Location & OO \ 1.5 \\ \hline T \ Started & OO \ 4.5 \\ \hline T \ Open & O \ 2.5 \\ \hline T \ Pulled & O \ 5.5 \\ \hline T \ Out & O \ 8.45 \\ \hline \end{array} $
(F) Second Final Flow123(G) Final Shut-In961(H) Final Hydrostatic1659Initial Open45Initial Shut-In45Final Flow45Final Shut-In45	 Mileage <u>186</u> Sampter <u>186</u> Straddle <u>186</u> Shale Packer <u>186</u> Extra Packer <u>186</u> Extra Recorder <u>186</u> Day Standby <u>186</u> Accessibility <u>186</u> 	U Ruined Shale Packer U Ruined Packer U Extra Copies Sub Total 1336

Approved By Our Reprosentative Cound with a 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.

258360

TICKET NUMBER	39905
LOCATION Oak 10	V.K5
LOCATION Oak is	vlabe 1

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

e

LLC

20-431-9210	or 800-467-8676	6		CEMEN	125			
DATE	CUSTOMER #	WEL	L NAME & NUM	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-27-13	3373	carmi	chael	1 #	22	Q5	180	ROOKS
CUSTOMER		١	•	Plainvi	TDUOK #		TRUCK #	DRIVER
	Gore ai	1		12 W +0	TRUCK #	DRIVER	IRUCK#	DRIVER
MAILING ADDRE	SS			RAID	399	Damon		
				11/2N	566	Ed		
CITY		STATE	ZIP CODE	Einto				
	stace	HOLE SIZE	2.14		258	CASING SIZE & W	/EIGHT_ <u>8-5/</u>	F 24世
CASING DEPTH	258	DRILL PIPE					OTHER	
SLURRY WEIGH	IT 148	SLURRY VOL		WATER gal/s	k	CEMENT LEFT in	CASING 201	
	15001	DISPLACEME	NT PSI	MIX PSI		RATE		
REMARKS: 🧠	afetr w	vertud	niage	d uD c	m Mave	10 rick#10	8. hooke	OF GND
circula	ate.mix	ed 1805	KS COW	139000	2% gel	, displa	ced w	itn
15 bb) 12	later 5	hutin	Wash	ed 04	TOUMO	Alches,	n'aged	down,
			,		•••		00	
					(empat	37616	Aculod x

FIELD TICKET & TREATMENT REPORT

400102	(lobbl topi	<u> </u>	alhank	Q lass
			Filly + (treet
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
4015	1	PUMP CHARGE	11500	115000
406	45	MILEAGE	525	236 35
1045	180	Class A Cement	18 55	33392
102	508#	Calciumchloride	.94	47753
1183	338#	Bentonite	-27	9120
_				
4074	8.416	Ton Milegge delivery	175	666 45
				:
			e a, e e	
		- W		
		July *		1000 111
		- tt	1.1.1.1.000	5960 4
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	less 1090	59605
				5364 43
1 3737			SALES TAX ESTIMATED	221.57
3CRM			TOTAL	5586.00

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# ALLIED OIL & GAS SERVICES, LLC 060264

94 A

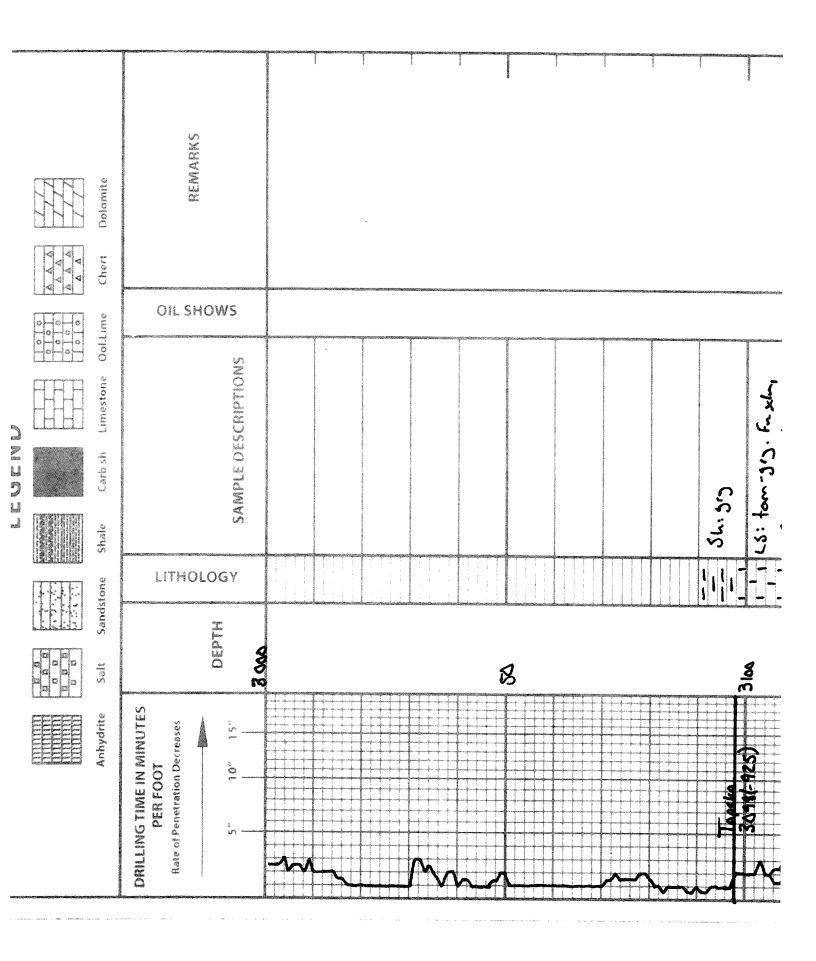
Federal Tax I.D	). # 20-8651475
REMIT TO P.O. BOX 93999	SERVICE POINT:
SOUTHLAKE, TEXAS 76092	GreatBend
DATE SEC. 22 TWP.9 RANGE S C	ALLED OUT ON LOCATION JOB START JOB FINISH
LEASE WELL# LOCATION Pain	
OLD OK NEW (Circle one) 12 E crife	5
CONTRACTOR Martin Drilling	OWNER 5 ang,
TYPE OF JOB Port Caller	OWNER O COME
HOLE SIZE T.D.	CEMENT
CASING SIZE SY2 DEPTH	AMOUNT ORDERED 1705KS Com 2 2000
TUBING SIZE 23/8 DEPTH 14881	280 Metsoberd 220 plaster, Vy 4
DRILL PIPE DEPTH	Slo-seep
TOOL PortCollar DEPTH 14881	120 - 12 0 - 2 - 12
PRES. MAX MINIMUM	COMMON
MEAS. LINE SHOE JOINT	POZMIX@
CEMENT LEFT IN CSG.	GEL @ CHLORIDE YSH@64,00 256,00
DISPLACEMENT 5,25661	CHLORIDE <u> </u>
	ASC@
EQUIPMENT	Metsoberds 320 3,30 7056.00
PLIMPTRUCK CEMENTER LA Rang 6. Wante	Plaster 350 @ 37.60 112,00
rom moon ebineriren <u>status</u>	Detcomen 42 = 0 7.80 55660
# 606 HELPER Keven Eddy	flo-seal 43# @ 2.97 12.4.74
BULK TRUCK # 5.44/198 DRIVER Ben Sevel	@
BULK TRUCK	@
# DRIVER	
	HANDLING 184.3 443 @ 2.28 457.06
	MILEAGE
REMARKS:	TOTAL SESSO
Test Port Collar 1000#	6011.10
Open Port Collar	
Open Port Collar Mix 120 sks Lite	60/1.10 SERVICE
Open Port Collar Mix 120 5KS Lite Mix 50 5K5 Heavy	60/1.10 SERVICE
Open Port Collar Mix 120 sks Lite Mix 50 sks Hoavy Displace with water	60/1.10 SERVICE DEPTH OF JOB 1881 2213 75 PUMP TRUCK CHARGE 24994
Open Port Collar Mix 120 5Ks Lite Mix 50 5Ks Howy Displace with water Close port collar	60//.10 SERVICE DEPTH OF JOB 1881 2213 75 PUMP TRUCK CHARGE 2213 75 EXTRA FOOTAGE @
Open Port Collar Mix 120 sts Lite Mix 50 sts Heavy Displace with water Close port Collar Test Port Collar / 000th.	60//.10 SERVICE DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE@ MILEAGE // Iff _ 25@ @ 7.70 _ 192.30
Open Port Collar Mix 120 sts Lite Mix 50 sts Heavy Displace with water Close port Collar Test Port Collar / 000th.	boll.10 SERVICE DEPTH OF JOB 14881 2213.75 PUMP TRUCK CHARGE 244944 EXTRA FOOTAGE @ MILEAGE 1748 256 @ 7.78 192.50 MANIFOLD @
Open Port Collar Mix 120 5Ks Lite Mix 50 5Ks Howy Displace with water Close port Collar	60//.10 SERVICE DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE // I/AV ZS& @ 7.70 MANIFOLD MATZ V 250 @ 4.90 00//.10
Open Port Collar Mix 120 SKS Lite Mix SO SKS Heavy Displace with water Close port Collar Test Port Collar / 000H. Thank yay	boll.10         SERVICE         DEPTH OF JOB       14881         PUMP TRUCK CHARGE       213.75         EXTRA FOOTAGE       @         MILEAGE       2.70       192.30         MANIFOLD       250       9.490       110.00
Open Port Collar Mix 120 sks Lite Mix SO sks Howy Displace with water Close port Collar Test Port Collar 1000#. Thank you CHARGE TO: Gore Oll Co	boll.10         SERVICE         DEPTH OF JOB
Open Port Collar Mix 120 SKS Lite Mix SO SKS Heavy Displace with water Close port Collar Test Port Collar / 000H. Thank yay	60//.10 SERVICE DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE // I/AV ZS& @ 7.70 MANIFOLD MATZ V 250 @ 4.90 00//.10
Open Port Collar Mix 120 SKS Lite Mix SO SKS Heavy Displace with water Close port Collar Test Port Collar / soott. Thank you CHARGE TO: Gore Oll Co STREET	60/1.10 SERVICE DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE //IIHO ZSG @ 7.70 /92.30 MANIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD MAXIFOLD M
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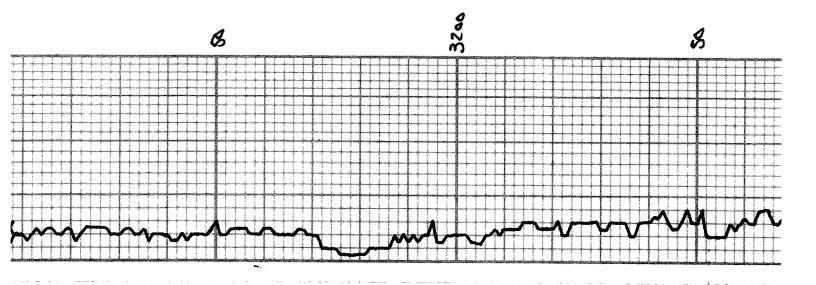
JOB LOG SWIFT Services, Inc. CUSTOMER WELL NO. Core Dil Co DATE 5-4-13 PAGE NI #1 LEASE JOB TYPE Cereca theraptive PRESSURE (PSI) CHART TICKET NO. RATE (BPM) TIME VOLUME (BBL) (GAL) NO. PUMPS TC TUBING 10-3670 DESCRIPTION OF OPERATION AND MATERIALS 2400 CASING 15,5# 54 location W/ Fout Equip 0545 ON start 5 "" 15,5# 4 asis to 3668 Tussent that State W/Aug-Rel DBette-SJ-22 1/2 @ 3643' (87) Cat- Fluidricotes 1-3 5-7-9-11-13-51 Sent Paskets 4-14-52 Port Callor # 52 @ 1488' Scritchers 3416 to 3655 Diog fill up full 2 Its out 0750 0815 The Casing - They bottom 0900 Start Cas Casing Fin cir clising 5 Plus RH-30 skeant Nett 20 skace 5 Planp tel Plangh 350 5 Pump 3 BBI Resh Ho 300 J 300 up 330 rel fladert 21 5 300 41/2 5 BBI fresh this ZD) Start 195 sks 250 =13 Et-Laul 0 40 las - 4/481 Nop L. D. Plug - Start Digl 9 357) 60 Š ater TA ant lift-Slow rate <u>Z5</u> 100 چآنچ S/ba rate 87) <u>0957)</u> 700 Slow Mite Down -Hald-Release of Hell 10:00 Job Complete Wasking & Router ON SOCC

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