



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1223271  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1223271

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Simpson Trust 1
Doc ID	1223271

All Electric Logs Run

Dual Induction Log
Microresistivity Log
Dual Compensated Porosity Log
Computer Processed Interpretation
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Simpson Trust 1
Doc ID	1223271

Tops

Name	Top	Datum
Anhydrite	1408	+659
B/Anhydrite	1446	+621
Topeka	2978	-911
Heebner	3191	-1124
Toronto	3212	-1145
Lansing	3233	-1166
BKC	3454	-1387
Arbuckle	3495	-1428

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Simpson Trust 1
Doc ID	1223271

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3183-3185	250gal 15% NE	3233-3236
4	3233-3236	400 gal 20% SGA	3267-3280
4	3267-3269	250 gal 15% NE	3267-3269
4	3276-3280	250 gal 15% MCA	3276-3280
4	3497-3507	500 gal 15% MCA-H-F w/2% musol	3497-3507
		3000 gal MOD 202	3497-3507
		750 gal 20% gelled acid	3233-3236
		250 gal 15% NE	3183-3185



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

TICKET CONTINUATION

CUSTOMER Gore Oil Co.		WELL #1 Simpson
DESCRIPTION	QTY	UM

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DE	TIME	DESCRIPTION	QTY	UM
325		2				Standard Cont	75	sls
		2				<del>Part</del>		
278		2				Flare	25	#
283		2				5 1/4"	16	#
284		2				1 5/8"	8	sls
285		2				CFR 1	8	#





CHARGE TO: Gate O.I.C.  
 ADDRESS  
 CITY, STATE, ZIP CODE

WELL/PROJECT NO. #1  
 SERVICE LOCATIONS  
 1. Hwy. K5  
 2. New City, KS  
 3.  SERVICE  
 SALES  
 TICKET TYPE CONTRACTOR  
 Simpson Trust  
 Rigs #128  
 RIG NAME/NO.  
 Rigs  
 STATE CITY  
 LEASE  
 COUNTY/PARISH  
 Rigs  
 STATE CITY  
 WELLS  
 WELL TYPE  
 011  
 WELL CATEGORY Development  
 JOB PURPOSE Log string  
 INVOICE INSTRUCTIONS  
 WELL PERMIT NO.

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY	U/M
575		1			MILEAGE #111	30 mi	
578		1			lamp charge (changing)	1 ea	
221		1			KEL	2 gal	
280		1			Flecheck-21	350 gal	
290		1			D-Air	2 gal	
423		1			Baskets	2 ea	
404		1			Part Collar	2 ea	
406		1				1 ea	
407		1			L D Plug & Bag/le	1 ea	
409		1			Insert of Flat shoe w/f.l.	1 ea	
		1			Turbolizers	8 ea	

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.

REMIT PAYMENT TO:

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 AGREE



**JOB LOG**

**SWIFT Services, Inc.**

DATE 5-3-14

TICKET NO. 2548

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
				T	C			
	1005							on loc w/ FE
								RTD 3570
								5 1/2" x 15.5" x 35.85' x 24
								Tierbo 1, 2, 5, 7, 9, 11, 13, 15, 1
								Bank 14, 15, 2
								PC, 520, 1424
	1115							Start FE
	1245							Break Circ
	1325	2	7/5					Plug BHMH 30/90 FA 2
	1335	5	0				200	Start KCL 20bbl
		5	20/0				200	Start Flackback 21 330gal
		5	8/0				200	Start water 5 bbl
		5	5/0				200	Start CA-2 cement 135x15 FA-
	1346		32					End Cement
								Wash Pk
								Disp LD Plug
	1352	6	0				200	Start Displacement
	1403	5					250	Catch Cement
	1408		85				450	Span Lead Plug
								Release Pressure
								Floater Held
								Thank you
								Nick David E. & Craig

WELL NO. d1

LEASE Swanton Trust

JOB TYPE Keystring

CHART NO. 2548

DATE 5-3-14

REFERENCE WELL FOR STRUCTURE  
GORE OIL CO. STAHL TRUST #1  
132D' ENL, 33D' FEL, SEC 11-T9S-R18W, ROCKS CTY, KS

LOCATION	DEPTH	DEPTH	DEPTH
TOPEKA	2981	2978	-911
HEEBNER	3194	3191	-1124
TORONTO	3216	3212	-1145
LANSING	3236	3233	-1166
BKT	3457	3454	-1387
ARBUCLE	3495	3495	-1428
TOTAL DEPTH	3590	3588	-1521
			+25
			+9
			+10
			+11
			+12
			+12
			-19
			+659
			+621
			-15
			-19

FORMATION TOPS IN STRUCTURAL POSITION

FORMATION	DEPTH	DEPTH
TOPEKA	2981	2978
HEEBNER	3194	3191
TORONTO	3216	3212
LANSING	3236	3233
BKT	3457	3454
ARBUCLE	3495	3495
TOTAL DEPTH	3590	3588

DEPTH - 8 1/2 @ 263'

23 APRIL 14 TO 2 MAY 14  
MAVERICK DRUG CO. RIG # 108  
MUDCO/SERVICE MUD  
1' - 2800  
10' - 2800  
RTD

PRODUCTION

ELEVATION

2067

2059

KB

18 W

95

12

9 S

600' ENL 500' FWL  
CEDAR LINKS  
SIMPSON TRUST #1

ROCKS  
KANSAS

CHARLES SCHWALTZ  
CONSULTING GEOLOGIST  
WICHITA, KANSAS  
GEOLOGIC REPORT LOG

PIPE STRAPS @ 3280' : 0.83 SHORT  
DEVIATION SURVEYS:  
@ 263' : 1/2"  
@ 3280' : 3/4"  
@ 3590' : 10"

NO	SIZE	TYPE	DEPTH CUT	FEET	HOURS
1	12 1/4	RR	263	263	3 1/4
2	7 7/8	JZ	ENPD123	3590	3327

BIT RECORD

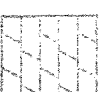
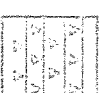
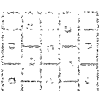
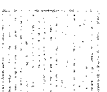
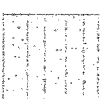
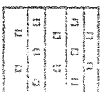
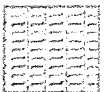
NO	SIZE	TYPE	DEPTH CUT	FEET	HOURS
1	30"	LANS 'D' F.E.	12-24'	980'	18-32'
2	30"	LANS 'D' F.E.	15-74'	966'	76-171'
3	30"	LANS 'G'	23-99'	1001'	102-229'
4	30"	LANS 'H' F.E.	16-39'	984'	41-47'
5	30"	LANS 'I', K.F.	14-20'	1063'	26-28'
6	30"	ARB	3490 -	3506	90"

FINE STRAPS @ 3280' : 0.83 SHORT  
DEVIATION SURVEYS:  
@ 263' : 1/2"  
@ 3280' : 3/4"  
@ 3590' : 10"

LEGEND

Arbitrator Salt Sandstone Chalk Coal in Limestone Gullies Chert Dolomite

LEGEND



Anhydrite

Salt

Sandstone

Shale

Gss. ls

Limestone

Chalk

Gss

Dolomite

DRILLING TIME IN MINUTES

PER FOOT

Rate of Penetration Decreases

5' 10' 15' 20' 25'

DEPTH

LITHOLOGY  
SAMPLE DESCRIPTIONS

OF SECTIONS

REMARKS

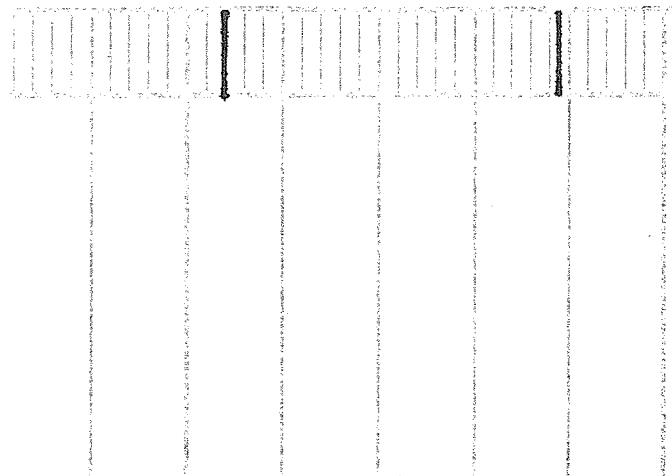
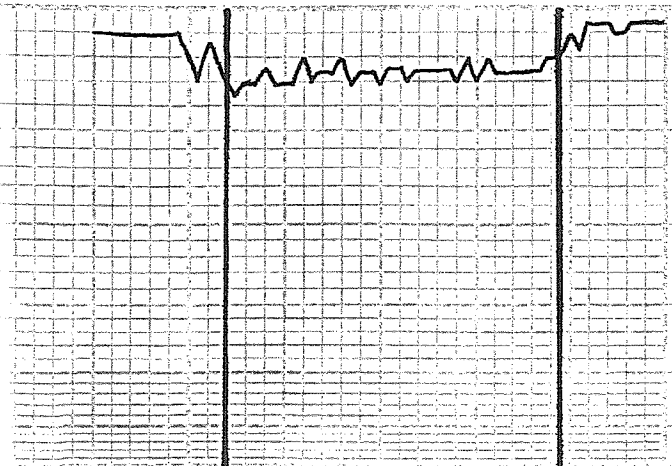
1400

**ANHYDRITE - TOP**  
1411 (+656)

1450

**ANHYDRITE - BASE**  
1446 (+621)

LOG 7710

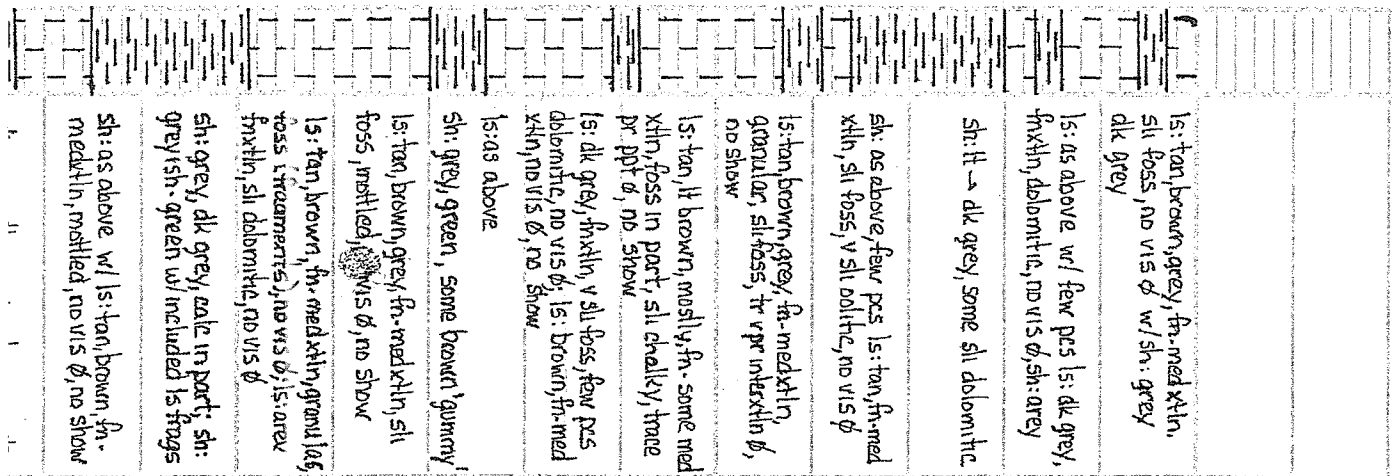
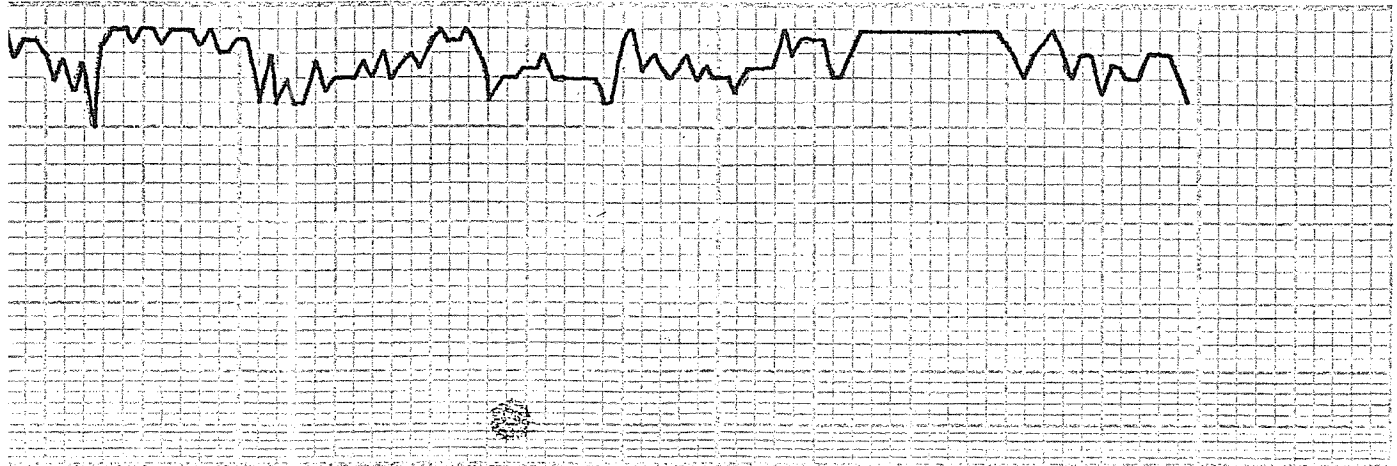


2800

2850

2900

20  
10



ls: tan, brown, grey, fm-med xln, sil foss, no vis  $\phi$  w/sh: grey dk grey

ls: as above w/ few pcs ls: dk grey, frxln, dolomitic, no vis  $\phi$ , sh: grey

sh: lt  $\rightarrow$  dk grey, some sil dolomitic

sh: as above, few pcs ls: tan, fm-med xln, sil foss, v sil dolitic, no vis  $\phi$

ls: tan, brown, grey, fm-med xln, granular, sil foss, tr v pr interxln  $\phi$ , no show

ls: tan, lt brown, mostly, fm. some med xln, foss in part, sil chalky, trace pr ppt  $\phi$ , no show

ls: dk grey, frxln, v sil foss, few pcs dolomitic, no vis  $\phi$ , ls: brown, fm-med xln, no vis  $\phi$ , no show

ls: as above

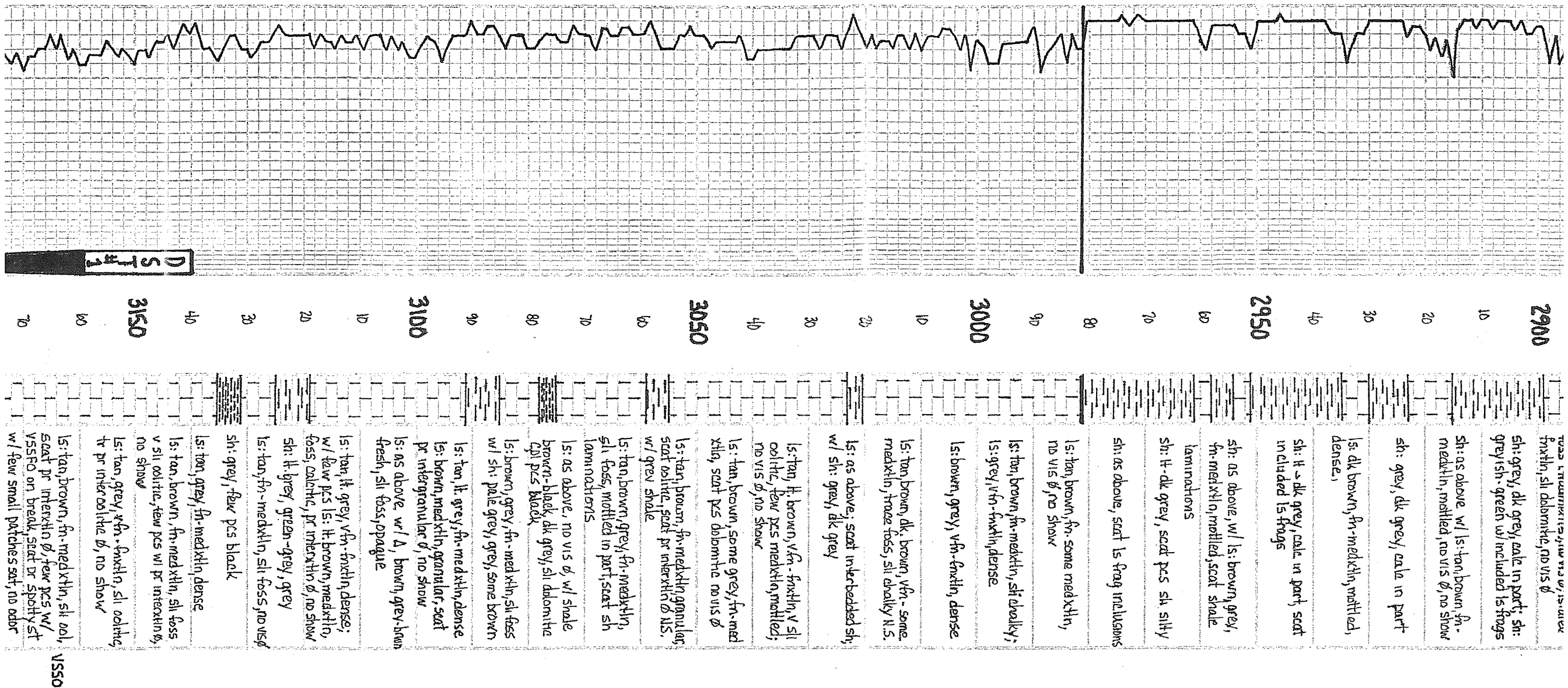
sh: grey, green, some brown 'gummy'

ls: tan, brown, grey, fm-med xln, sil foss, mottled, no vis  $\phi$ , no show

ls: tan, brown, fm-med xln, granular, trace fragments, no vis  $\phi$ , ls: arex frxln, sil dolomitic, no vis  $\phi$

sh: grey, dk grey, calc in part; sh: greyish-green w/ included ls frags

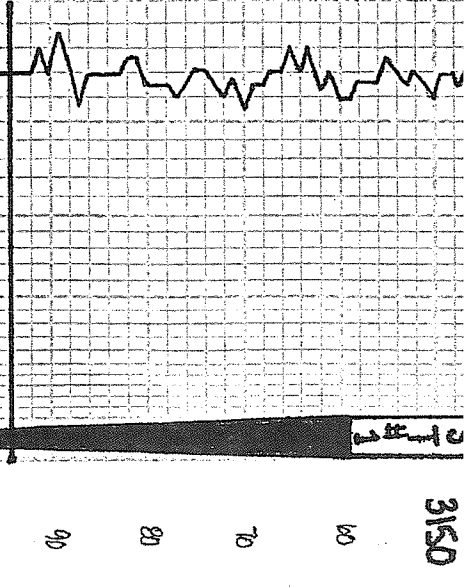
sh: as above w/ ls: tan, brown, fm-med xln, mottled, no vis  $\phi$ , no show



**TOPEKA**  
**2981** (-914)

**DST #1**  
**(3159 - 3280)**  
3d - 6d - 6d - 9d  
LEP: B08 IN 1d  
LSIP: SUPP BLWD DIED IN 12"  
FEP: B08 IN 8"  
FSIP: SUPP BLWD BLDE TO 4"  
**RECOVERED:**  
**32d' GIP**  
**5d' CO**  
**125' MCD**  
(20% MUD, 80% OIL)  
**125' O & WCM**  
(25% OIL, 15% MUD, 60% MUD)  
**63' SGMW**

VSS50



**DST # 1**

3150  
10  
20  
30  
40  
3200

no show  
ls: tan, grey, wh. - faint, sil. oolitic fr pr inter oolitic b, no show

ls: tan, brown, fr. - med xtn, sil. dol, scat pr inter xtn of few pcs w/ VSSFO on break, scat dr spotty st w/ few small patches scat, no odor

ls: tan, lt. grey, fr. - med xtn, floss, no vis of, no show

ls: off wh, tan, fr. - med xtn, granular, dr intergranular & ppt of few pcs w/ S5FO on break, scat spotty pr st & scat, no odor

sh: dk grey, few pcs black

ls: tan, yfn. - faint, dense

sh: lt. grey, grey, diab. oolitic in part

sh: as above

ls: off wh, faint, finely oolitic, v scat pr inter oolitic of, cp1 pcs w/ few minute ppt's FD on break, pr spotty st & scat, no odor

sh: pale -> dk grey, green, few pcs brown

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

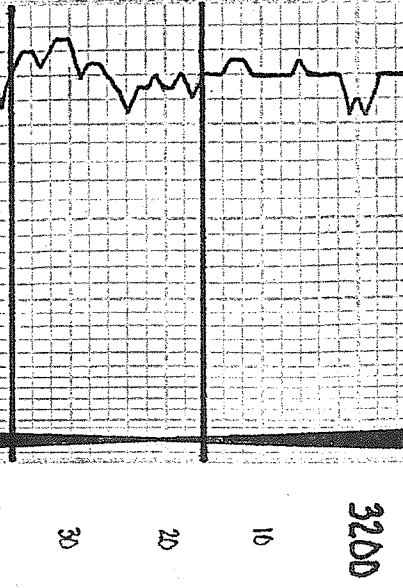
sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black



**DST # 2**

3250  
10  
20  
30  
40  
3300

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

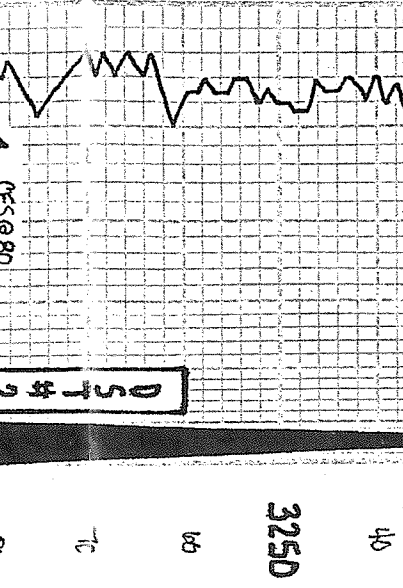
sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black



**DST # 3**

3350  
10  
20  
30  
40  
3400

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

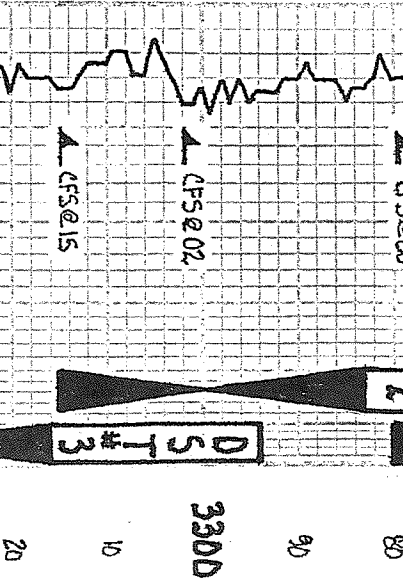
sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black



**DST # 4**

3440  
10  
20  
30  
40  
3490

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

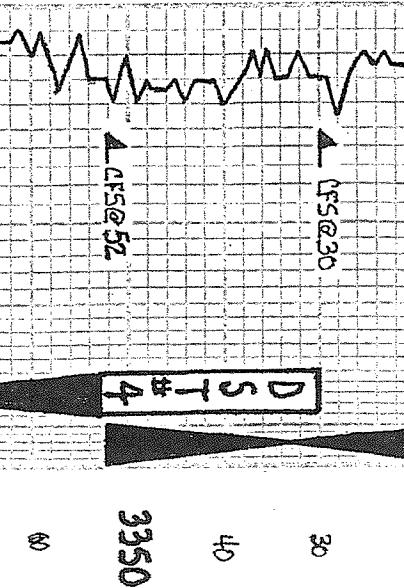
sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black



**DST # 5**

3440  
10  
20  
30  
40  
3490

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

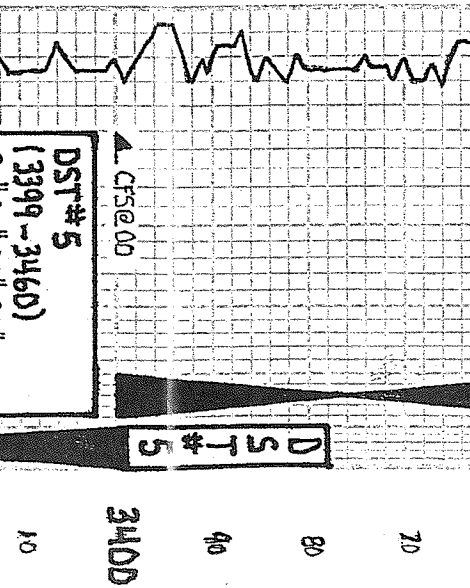
sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black



**DST # 5**

3440  
10  
20  
30  
40  
3490

ls: tan, lt brown, faint, scat pr ppt vuggy of, few pcs w/ VSSFO, pr - 2 pcs w/ fr. st & pr patchy scat, no odor

ls: tan, lt. grey, yfn. - some med xtn, sil floss, no vis of, no show

ls: as above w/ sh: lt grey, green, grey, grey, scat included ls frags

ls: tan, lt brown, fr. - med xtn, sil floss, dr. fr. ppt & vuggy (some large) pr, S5FO, pr. fr. st & scat, of odor

ls: tan, brown fr. - med xtn, dense no vis of; ls: wh, faint, chalky

sh: grey

ls: wh, tan, faint, oolitic, most w/ cemented (oolitic), scat pr inter oolitic, S5FO mostly dr spotty & pr patchy scat, 2-3 pcs, fr. st & fr. - gd st, fr. st, fr. - of odor

sh: grey, greenish, grey w/ ls: brown, fr. - med xtn, dense

ls: tan, lt grey, faint, mostly dense cp1 pcs w/ few isolated vugs, rare ppt fo, trace pr edge st, no odor

ls: wh, lt grey, faint, scat vpr. - of ppt & vuggy of, scat large vugs (isolated line st in vugs, rare ppt fo, pr patchy lt brown st & scat, no odor; fr. amount of tan, lt grey, fresh, opaque

ls: tan, faint, scat pr vry. fine ppt of, scat pr vuggy of, VSSFO, pr. - cp1 pcs & patches med brown st, fr. st, of odor

ls: as above, dec. in show w/ wh, faint, chalky ls, & tan, fresh, op. A.

sh: grey, greyish-green, some brown

ls: off-wh, faint, sil floss, mostly dense, scat pcs w/ vpr. - of vuggy & inter xtn of, fr. vpr floss of, pr spotty st, cp1 pcs w/ pr. - of, rare ppt fo, no odor

ls: off-wh, tan, faint, dense, no vis of, chalky in part

sh: mostly grey, few pcs brown, grn

ls: tan, brown, faint, finely granular, even fr. fine ppt & vuggy of, sil. of, sh. on wh. of, break, line oil coated of, NSFO, lt. med even brown st w/ ga to full scat, of odor

sh: lt. med grey

ls: off-wh, tan, lt. grey, fr. - some med xtn, scat pr. - fr. fr. in xtn & vuggy (isolated?) of, rare ppt, FD, scat pr. - fr. st, scat pr. - of, no odor

ls: grey, dk grey, few pcs black

**5D' CD**  
125' MCD  
(20% mud, 80% oil)  
125' D & WCM  
(25% oil, 15% MUD, 50% MUD)  
63' SGMW  
(5% oil, 40% mud, 55% water)  
GHL: 3200 PPM SYS: 2200 PPM  
HSP: 1560# - 1522#  
FP: 29# - 87# / 94# - 162#  
SIP: 1018# - 996#  
BHT: 105' F

**HEEBNER**  
3194 (-1127)  
TORONTO

**3216** (-1149)  
LANSSING  
3236 (-1169)

**DST # 2**  
(3283 - 3315)  
30" - 60" - 60" - 90"  
IPE: SUPE BLW TO 2 1/2"  
FP: 1" BLW DEC TO 1/2"  
RECOVERED:  
45' SGLMID  
(10% GAS 35% MUD 55% OIL)  
HSP: 1626# - 1595#  
FP: 12# - 24# / 18# - 32#  
SIP: 980# - 972#  
BHT: 97' F

**DST # 3**  
(3316 - 3352)  
30" - 60" - 60" - 90"  
IPE: BOB IN 26"  
SIP: NO BLOW  
FP: BOB IN 31"  
FSIP: NO BLOW  
RECOVERED:  
340' MCM  
(15% MUD 85% WATER)  
GHL: 5700 PPM SYS: 4000 PPM  
HSP: 1653# - 1587#  
FP: 16# - 74# / 76# - 171#  
SIP: 968# - 954#  
BHT: 102' F

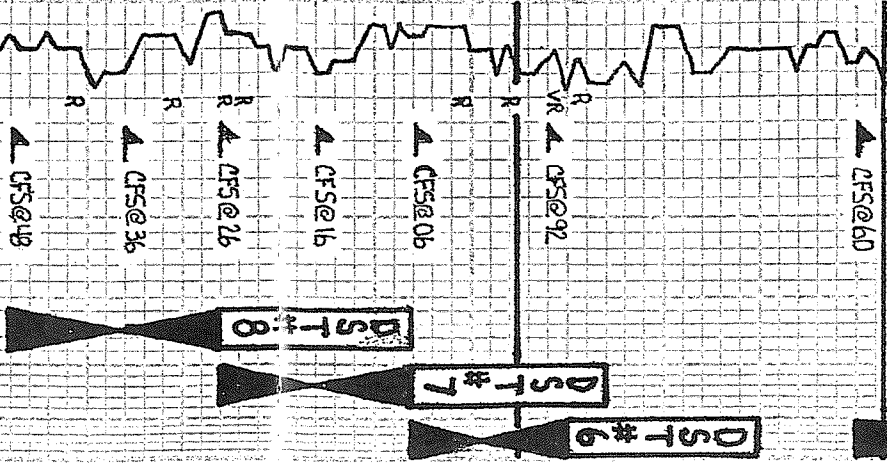
**DST # 4**  
(3353 - 3400)  
30" - 60" - 60" - 90"  
IPE: BOB IN 16"  
SIP: NO BLOW  
FP: BOB IN 20"  
FSIP: NO BLOW  
RECOVERED:  
440' MCM  
(25% MUD 75% WATER)  
GHL: 7250 PPM SYS: 4000 PPM  
HSP: 1686# - 1643#  
FP: 23# - 99# / 102# - 229#  
SIP: 1001# - 979#  
BHT: 102' F

**DST # 5**  
(3399 - 3460)  
30" - 60" - 60" - 90"  
IPE: SUPE BLW TO 3 1/4"  
FP: SUPE BLW TO 2 3/4"  
RECOVERED:

**DST # 5**  
 (3399 - 3460)  
 30" - 60" - 60" - 90"  
 IFP: SURF BLDW TO 3/4"  
 FFP: SURF BLDW TO 2 3/4"  
**RECOVERED:**  
 3' CD  
 3' SD & WCM  
 (15% DL, 5% WTR, 80% MUD)  
 62' DRILLED MUD  
 HSP: 1723# - 1679#  
 FP: 15-39# / 41# - 47#  
 SIP: 984# - 964#  
 BHT: 915° F

**LTD 3588 (-1521)**  
**RTD 3590 (-1523)**

3400 3450 3500 3550



sh: green, dk grey, few pcs black  
 ls: grey, dk grey, few pcs black  
 ls: wh, tan, fine, grey, fr. some med xln, scat pr - fr interxln & vuggy (isolated?), Ø, trace ppted, scat pr - fr st, scat pr scat, no odor

sh: dk grey, black  
 ls: off-wh, lt grey, finxln, fr vpr interxln Ø, med dense, rare fr pr - stain, no scat, NSFO, no odor

sh: grey, green, brown, purple-brown, hard, calc in part  
 ls: grey, micro - finxln, dense

sh: grey, dk grey  
 ls: wh, finxln, sll chalky in part, few pcs w/ imbedded sand grains, ls: lt grey, micaceous, dense  
 sh: grey, green, brown, few pcs silty - sll sandy

dolo: off wh, tan, med xln, rhombic  
 fr interxln Ø, SSFO, vpr, gd hvly dk br w/ blk st, full scat, gd odor - CFS@ 06  
 dolo: as above, w/ dolo: tan, lt grey, fr - med xln, scat pr w/ few xln Ø, SSFO, scat pr - fr st w pr scat, gd odor @ 10

dolo: wh, med xln, pr interxln & vuggy Ø - CD, pcs fr vuggy Ø, SSFO, pr st w patchy scat, fr odor  
 dolo: brown, tan, finxln, dense, no vis Ø, no show  
 dolo: wh, med xln, app fr interxln Ø, s - few pcs F50, fr st w/ scat, fr odor, scat add oil residue  
 ls: tan, lt grey, fr - med xln, scat pr - fr interxln Ø, SS add oil, NSFO  
 dolo: wh, mostly med xln, scat pr - fr interxln & vuggy Ø, VSS add oil residue, no show - live oil, sh: green, grey  
 ls: wh, tan, lt grey, fr - med xln, few imbedded sand grains, scat pr - fr interxln Ø, no show  
 dolo: as above, no show, w/ grey, green sh.

**4400 MCLW**  
 (25% MUD 75% WTR)  
 CHL: 172500 PPM S/S: 4000 PPM  
 HSP: 1686# - 1643#  
 FP: 23-99# / 102# - 229#  
 SIP: 1001# - 979#  
 BHT: 102° F

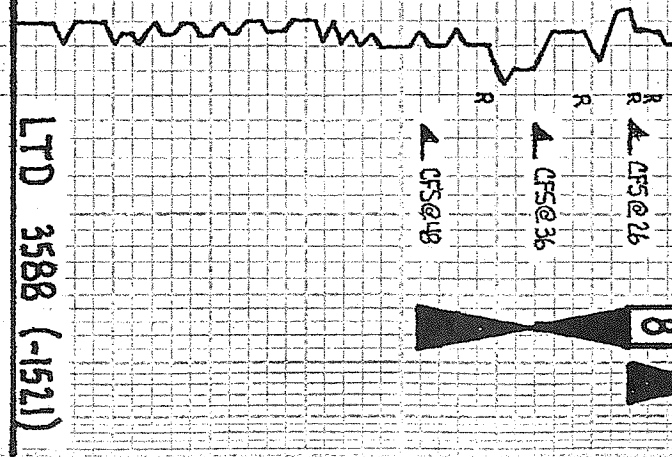
**BKLC**  
**3457 (-1390)**

**ARBUCLE**  
**3495 (-1428)**

**DST # 6**  
 (3490 - 3506)  
 30" - 60" - 60" - 90"  
 IFP: SURF BLDW BLDG TO 1"  
 FFP: SURF BLDW THRU OUT  
**RECOVERED:**  
 3' HVY CD  
 52' SOGM  
 (5% DL, 95% MUD)  
 HSP: 1772# - 1684#  
 FP: 14-26# / 26# - 28#  
 SIP: 1063# - 1036#  
 BHT: 99° F

**DST # 7**  
 (3506 - 3526)  
 30" - 60" - 60" - 90"  
 IFP: SURF BLDW BLDG TO 1 1/4"  
 FFP: SURF BLDW BLDG TO 1 1/4"  
**RECOVERED:**  
 4' CD - (GR 20°)  
 31' SD & WCM  
 (5% DL, 20% WTR, 75% MUD)  
 30' DRILLED MUD  
 (20% WTR, 80% MUD)  
 CHL: 20500 PPM S/S: 6100 PPM  
 HSP: 1781# - 1697#  
 FP: 17-30# / 32# - 43#  
 SIP: 1090# - 1070#  
 BHT: 99° F

**DST # 8**  
 (3526 - 3540)  
 30" - 60" - 60" - 90"  
 IFP: BDB IN 29"  
 IISP: NO BLDW  
 FFP: BDB IN 30"  
 FSP: NO BLDW  
**RECOVERED:**  
 70' MUD  
 250' MCM  
 (45% MUD 55% WTR)



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	(ALL SHOWS)
30	///	dolo: wh med xlin, pr inter xlin & vuggy, w/ln of base - hvy, gd dk st w/ gd sat, gd odor	G50
3550	///	dolo: wh, fin xlin, pr inter xlin & vuggy, w/ln of base - hvy, gd dk st w/ gd sat, gd odor	S-550
3600	///	dolo: brown, tan, fin xlin, dense, no vis of, no show	
3650	///	dolo: wh, med xlin, app fr inter xlin of, s - few pcs F50, fr st w/ sat, fr odor, seat ad oil residue	
3700	///	ls: tan, lt grey, fr-med xlin, seat or - fr fr inter xlin of ss ad oil N50	
3750	///	dolo: wh, mostly med xlin seat, pr - fr inter xlin & vuggy of, v55 ad oil residue, no show, live oil; sh: green, grey	
3800	///	ls: wh, tan, lt grey, fr-med xlin, few imbedded sand grains, seat pr - fr inter xlin of, no show	
3850	///	dolo: as above, no show, w/ grey, green sh.	

FR: SURF BLOW THRU OUT  
 FFP: SURF BLOW THRU OUT  
**RECOVERED:**  
 3' Hvy CD  
 52' SOCM  
 (5% DIL 95% MUD)  
 HSP: 1772# - 1684#  
 FP: 14#20# / 26#28#  
 SIP: 1063# - 1036#  
 BHT: 99°F

**DST #7**  
 (35DB - 3526)  
 30" - 60" - 60" - 90"  
 IFP: SURF BLOW BLDG TD 1 1/4"  
 FFP: SURF BLOW BLDG TD 1 1/4"  
**RECOVERED:**  
 4' LD -(GR 20°)  
 31' 50¢ WCM  
 (5% DIL 20% WTR, 75% MUD)  
 30' DIL SPOTTED WCM  
 (20% WTR, 80% MUD)  
 CHL: 2000 PPM, SYS: 6100 PPM  
 HSP: 1781# - 1697#  
 FP: 17#30# / 32#43#  
 SIP: 1090# - 1070#  
 BHT: 99°F

**DST #8**  
 (3526 - 3548)  
 30" - 60" - 60" - 90"  
 IFP: BDB IN 29"  
 I SIP: NO BLDW  
 FFP: BDB IN 30"  
 F SIP: NO BLDW  
**RECOVERED:**  
 70' MUD  
 250' MCM  
 (45% MUD 55% WTR)  
 CHL: 28000 PPM, SYS: 4000 PPM  
 HSP: 1786# - 1733#  
 FP: 17#76# / 79#160#  
 SIP: 1063# - 1027#  
 BHT: 103°F

REMARKS

Rate of Penetration Decreases

DRILLING TIME Minutes/Foot

5" 10" 15" 20" 25"



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.27 @ 13:00:00

End Date: 2014.04.27 @ 21:09:00

Job Ticket #: 58851                      DST #: 1

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

Printed: 2014.05.02 @ 14:58:25





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58851

**DST#: 1**

ATTN: Chuck Schmalz

Test Start: 2014.04.27 @ 13:00:00

## GENERAL INFORMATION:

Formation: **Oread - LKC " C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:07:30

Time Test Ended: 21:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: **3159.00 ft (KB) To 3280.00 ft (KB) (TVD)**

Total Depth: 3280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2072.00 ft (KB)

2062.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**

Press@RunDepth: 162.46 psig @ 3160.00 ft (KB)

Start Date: 2014.04.27

End Date: 2014.04.27

Start Time: 13:00:02

End Time: 21:09:00

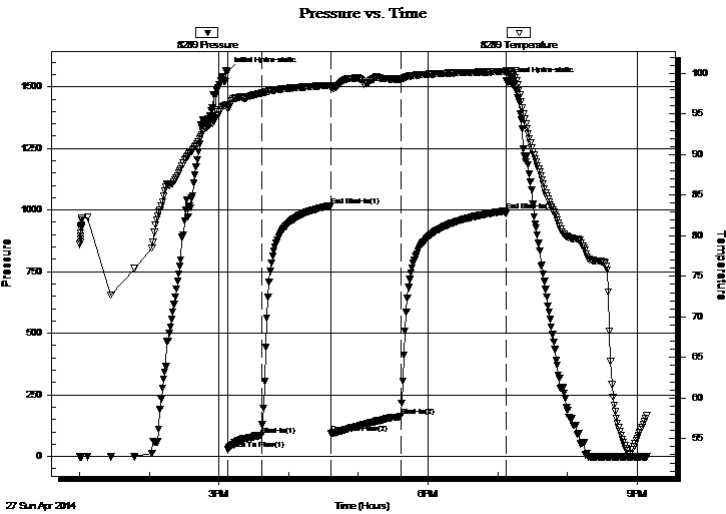
Capacity: 8000.00 psig

Last Calib.: 2014.04.27

Time On Btm: 2014.04.27 @ 15:07:15

Time Off Btm: 2014.04.27 @ 19:07:30

**TEST COMMENT:** 30-IFP- BOB in 10 min.  
60-ISIP- Surface Blow in 1 min. Died in 12 min.  
60-FFP- BOB in 8 min.  
90-FSIP- Surface Blow Building to 4". in 18 min. Died Back in 25 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1560.44	96.17	Initial Hydro-static
1	29.26	95.59	Open To Flow (1)
30	87.07	97.55	Shut-In(1)
89	1018.05	98.53	End Shut-In(1)
90	94.85	98.28	Open To Flow (2)
150	162.46	99.31	Shut-In(2)
240	996.57	100.21	End Shut-In(2)
241	1522.84	100.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 5%o 40%m 55%w	0.61
125.00	WOCM 15%w 25%o 60%m	1.75
125.00	MCO 20%m 80%o	1.75
50.00	CO 100%	0.70
0.00	320 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

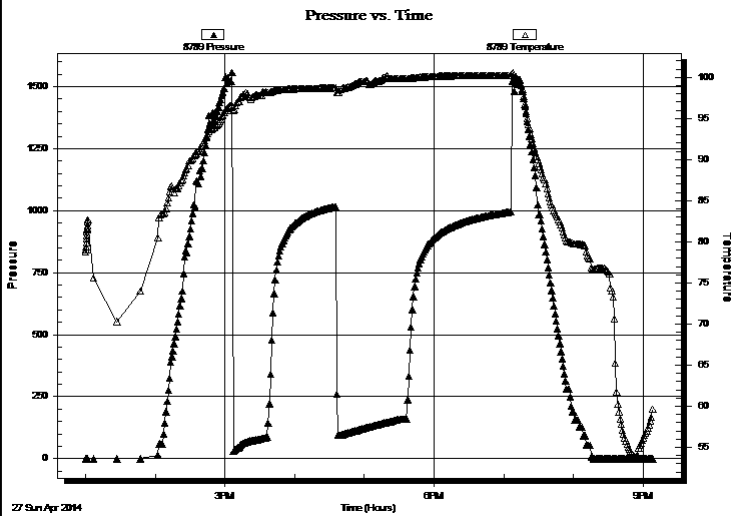
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58851      **DST#: 1**  
Test Start: 2014.04.27 @ 13:00:00

## GENERAL INFORMATION:

Formation: **Oread - LKC " C "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:07:30  
Time Test Ended: 21:09:00  
Interval: **3159.00 ft (KB) To 3280.00 ft (KB) (TVD)**  
Total Depth: 3280.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8789      Inside**  
Press@RunDepth:                  psig @      3160.00 ft (KB)      Capacity:                  8000.00 psig  
Start Date:                  2014.04.27      End Date:                  2014.04.27      Last Calib.:                  2014.04.27  
Start Time:                  13:00:02      End Time:                  21:08:45      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30-IFP- BOB in 10 min.  
60-ISIP- Surface Blow in 1 min. Died in 12 min.  
60-FFP- BOB in 8 min.  
90-FSIP- Surface Blow Building to 4". in 18 min. Died Back in 25 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 5%o 40%m 55%w	0.61
125.00	WOCM 15%w 25%o 60%m	1.75
125.00	MCO 20%m 80%o	1.75
50.00	CO 100%	0.70
0.00	320 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58851

**DST#: 1**

ATTN: Chuck Schmaltz

Test Start: 2014.04.27 @ 13:00:00

## Tool Information

Drill Pipe:	Length: 3130.00 ft	Diameter: 3.80 inches	Volume: 43.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3159.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	121.00 ft			
Tool Length:	144.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3137.00	
Shut In Tool	5.00			3142.00	
Hydraulic tool	5.00			3147.00	
Safety Joint	2.00			3149.00	
Packer	5.00			3154.00	23.00 Bottom Of Top Packer
Packer	5.00			3159.00	
Stubb	1.00			3160.00	
Recorder	0.00	8789	Inside	3160.00	
Recorder	0.00	8289	Outside	3160.00	
Perforations	22.00			3182.00	
Change Over Sub	1.00			3183.00	
Blank Spacing	93.00			3276.00	
Change Over Sub	1.00			3277.00	
Bullnose	3.00			3280.00	121.00 Bottom Packers & Anchor

**Total Tool Length: 144.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58851

**DST#: 1**

ATTN: Chuck Schmaltz

Test Start: 2014.04.27 @ 13:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.72 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OMCW 5%o 40%m 55%w	0.610
125.00	WOCM 15%w 25%o 60%m	1.753
125.00	MCO 20%m 80%o	1.753
50.00	CO 100%	0.701
0.00	320 GIP	0.000

Total Length: 363.00 ft

Total Volume: 4.817 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

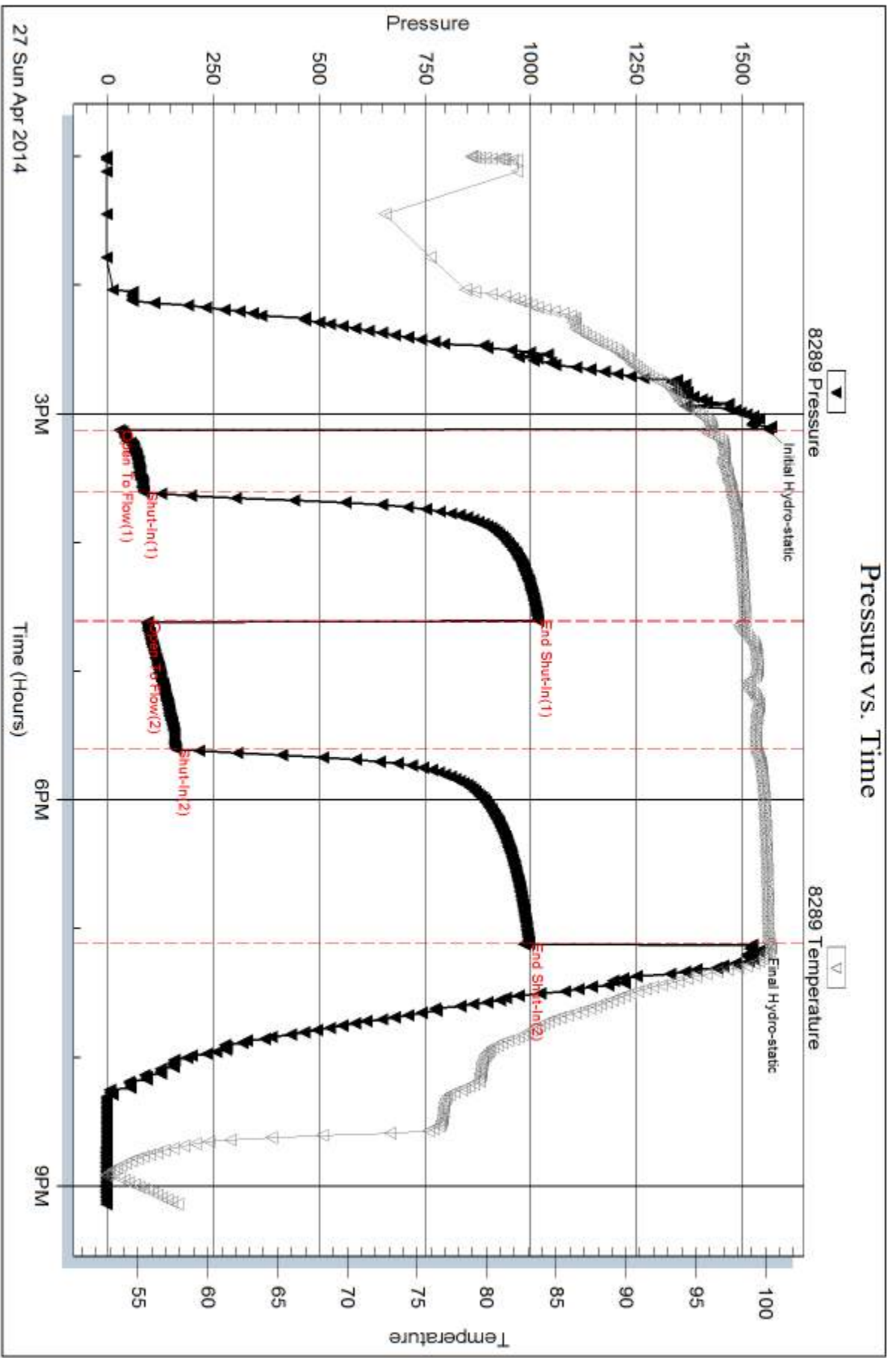
Recovery Comments: .245 @ 62

Serial #: 8289

Outside Gore Oil Company

Simpson Trust #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58851

Printed: 2014.05.02 @ 14:58:26

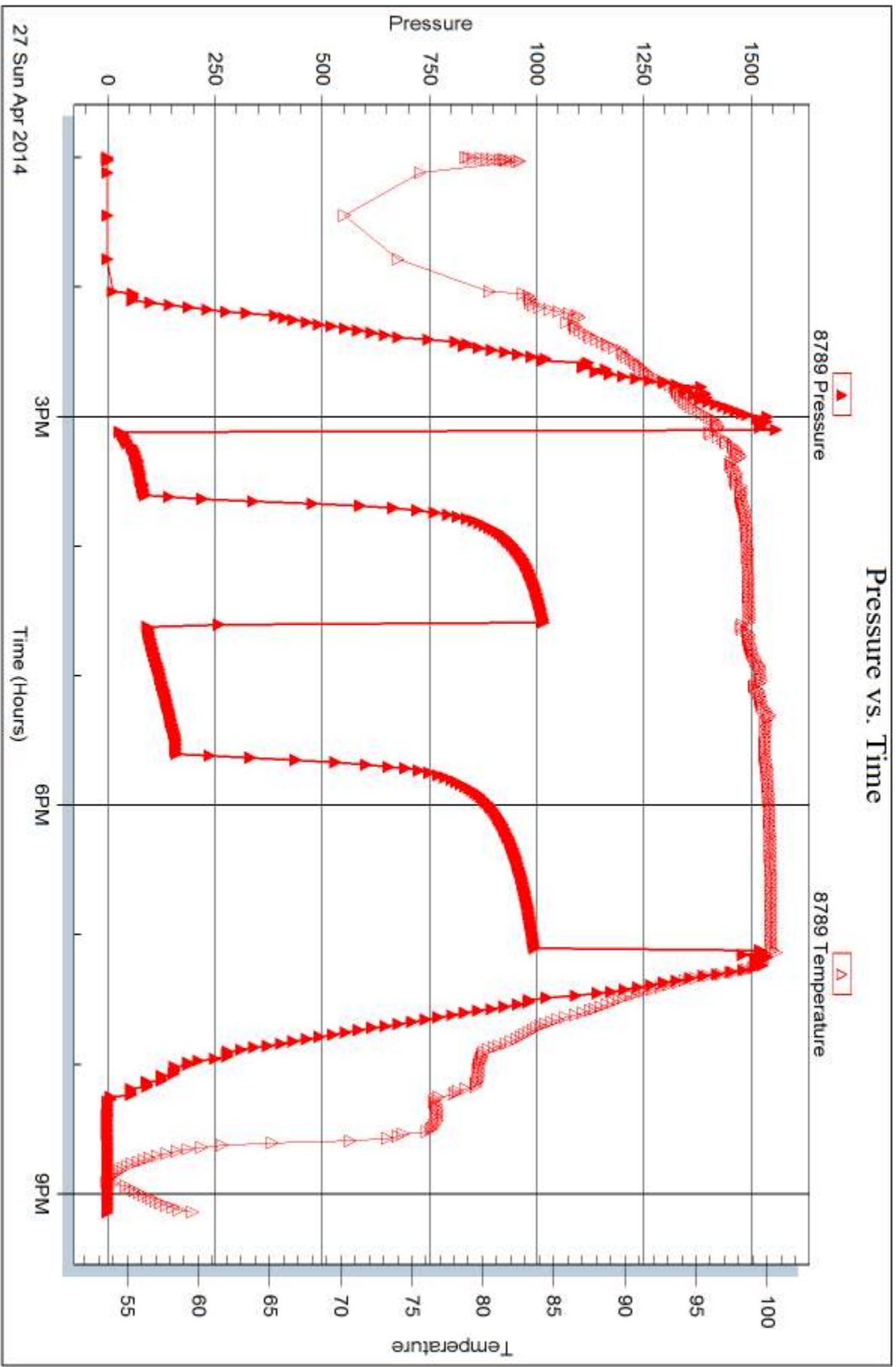
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58851

Printed: 2014.05.02 @ 14:58:27



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.28 @ 05:33:00

End Date: 2014.04.28 @ 14:11:00

Job Ticket #: 58852                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.02 @ 14:57:48

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 2  
LKC " D - E "

2014.04.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

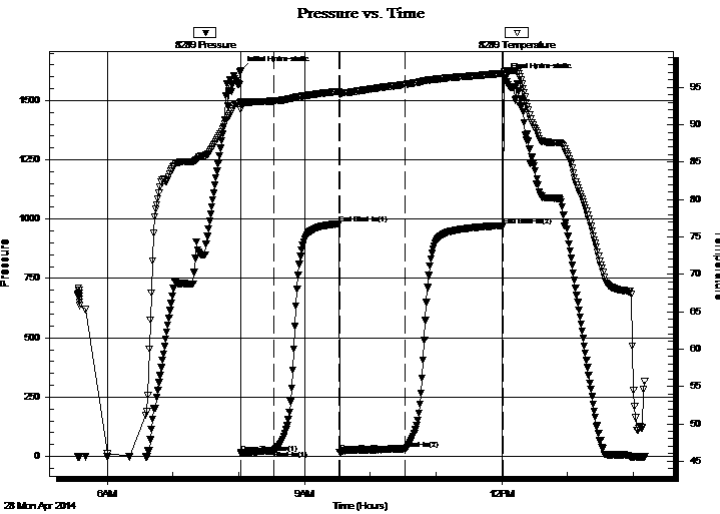
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58852      **DST#: 2**  
Test Start: 2014.04.28 @ 05:33:00

## GENERAL INFORMATION:

Formation: **LKC " D - E "**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:02:00  
Time Test Ended: 14:11:00  
Interval: **3283.00 ft (KB) To 3315.00 ft (KB) (TVD)**  
Total Depth: 3315.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 76

**Serial #: 8289      Outside**  
Press@RunDepth: 32.25 psig @ 3284.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.04.28      End Date: 2014.04.28      Last Calib.: 2014.04.28  
Start Time: 05:33:02      End Time: 14:11:00      Time On Btm: 2014.04.28 @ 08:01:45  
Time Off Btm: 2014.04.28 @ 12:02:15

**TEST COMMENT:** 30-IFP- Surface Blow Building to 2 1/2".  
60-ISIP- No Blow  
60-FFP- 1" Blow in 30 sec. Died Back in 12 min. to 1/2"  
90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.91	93.02	Initial Hydro-static
1	12.34	92.00	Open To Flow (1)
31	24.13	93.19	Shut-In(1)
90	980.71	94.46	End Shut-In(1)
91	18.74	94.06	Open To Flow (2)
150	32.25	95.39	Shut-In(2)
240	972.96	96.87	End Shut-In(2)
241	1595.89	97.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	GMCO 10%g 35%m 55%o	0.36

\* Recovery from multiple tests

## Gas Rates

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





# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
  
ATTN: Chuck Schmaltz

**12 9s 18w Rooks,KS**  
  
**Simpson Trust #1**  
Job Ticket: 58852        **DST#: 2**  
  
Test Start: 2014.04.28 @ 05:33:00

## GENERAL INFORMATION:

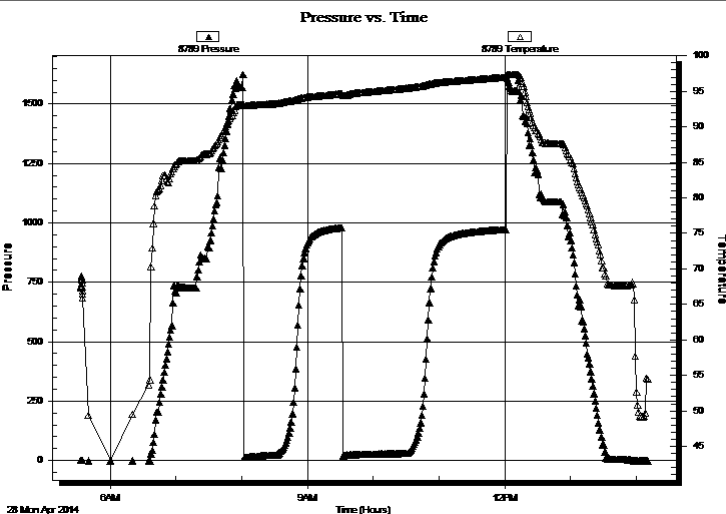
Formation: **LKC " D - E "**  
Deviated: No Whipstock: ft (KB)        Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 08:02:00        Tester: Jim Svaty  
Time Test Ended: 14:11:00        Unit No: 76  
  
**Interval: 3283.00 ft (KB) To 3315.00 ft (KB) (TVD)**        Reference Elevations: 2072.00 ft (KB)  
Total Depth: 3315.00 ft (KB) (TVD)        2062.00 ft (CF)  
Hole Diameter: 7.88 inches        Hole Condition: Fair        KB to GR/CF: 10.00 ft

### Serial #: 8789

Inside

Press@RunDepth:        psig @        3284.00 ft (KB)	Capacity:        8000.00 psig
Start Date:        2014.04.28        End Date:        2014.04.28	Last Calib.:        2014.04.28
Start Time:        05:33:02        End Time:        14:10:45	Time On Btm:
	Time Off Btm:

TEST COMMENT: 30-IFP- Surface Blow Building to 2 1/2".  
60-ISIP- No Blow  
60-FFP- 1" Blow in 30 sec. Died Back in 12 min. to 1/2"  
90-FSIP- No Blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	GMCO 10%g 35%m 55%o	0.36

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58852

**DST#: 2**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 05:33:00

## Tool Information

Drill Pipe:	Length: 3254.00 ft	Diameter: 3.80 inches	Volume: 45.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3283.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3261.00	
Shut In Tool	5.00			3266.00	
Hydraulic tool	5.00			3271.00	
Safety Joint	2.00			3273.00	
Packer	5.00			3278.00	23.00 Bottom Of Top Packer
Packer	5.00			3283.00	
Stubb	1.00			3284.00	
Recorder	0.00	8789	Inside	3284.00	
Recorder	0.00	8289	Outside	3284.00	
Perforations	28.00			3312.00	
Bullnose	3.00			3315.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58852

**DST#: 2**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 05:33:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GMCO 10%g 35%m 55%o	0.358

Total Length: 45.00 ft      Total Volume: 0.358 bbl

Num Fluid Samples: 0

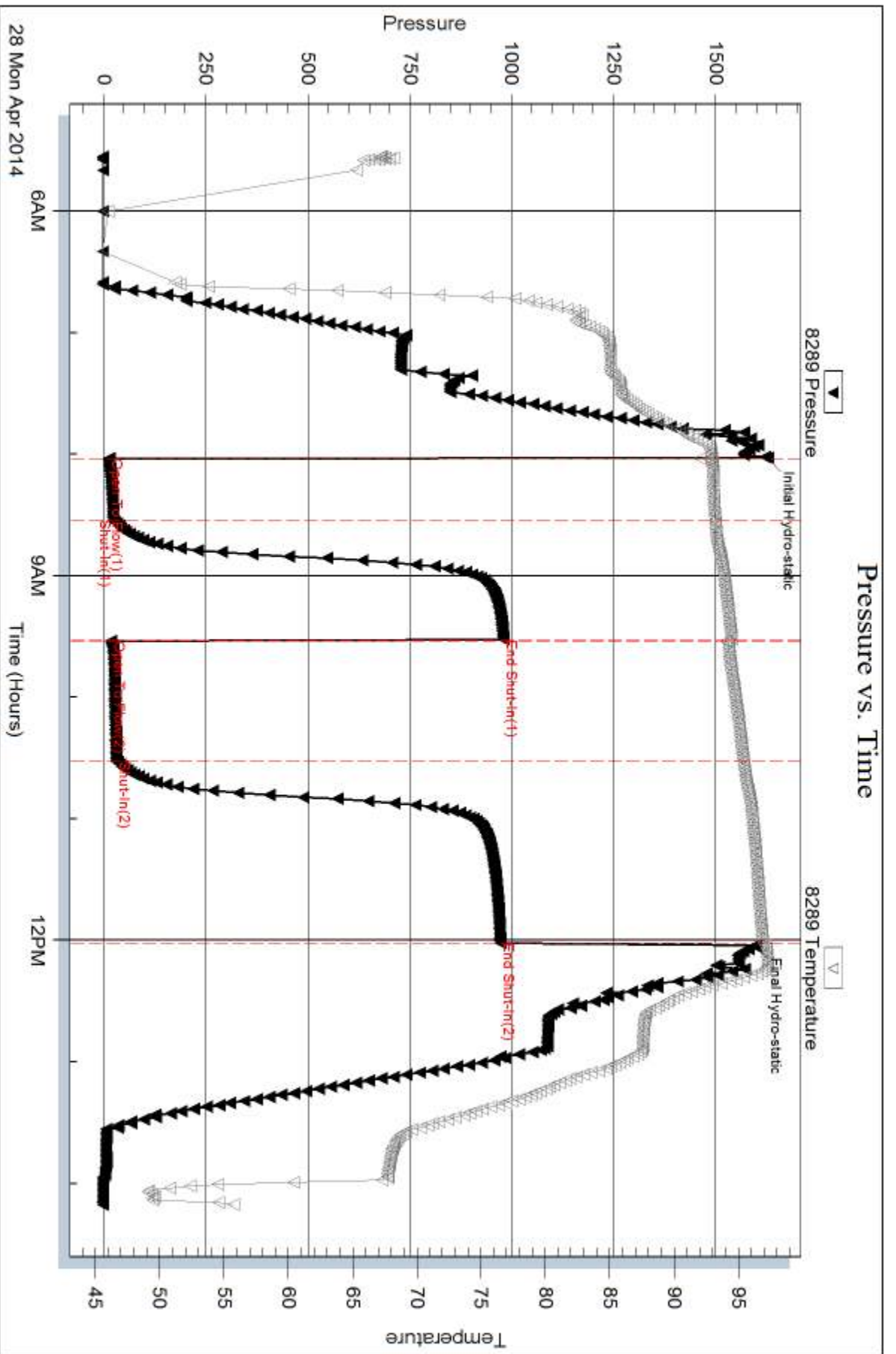
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



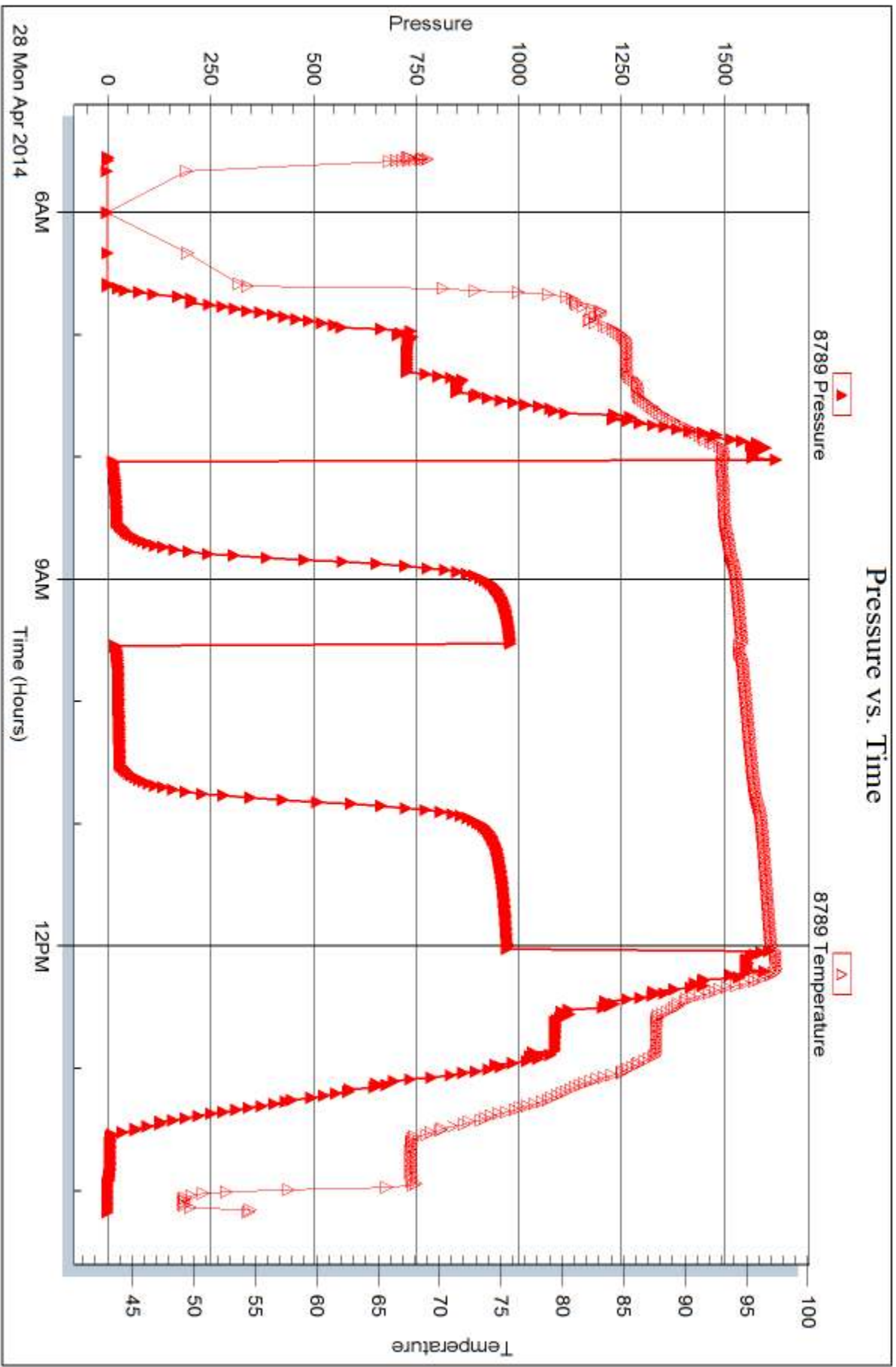
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

### **12 9s 18w Rooks,KS**

Start Date: 2014.04.28 @ 23:17:00

End Date: 2014.04.29 @ 07:21:00

Job Ticket #: 58853                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.02 @ 14:57:22

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 3  
LKC " F - G "  
2014.04.28



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58853 **DST#: 3**  
 Test Start: 2014.04.28 @ 23:17:00

## GENERAL INFORMATION:

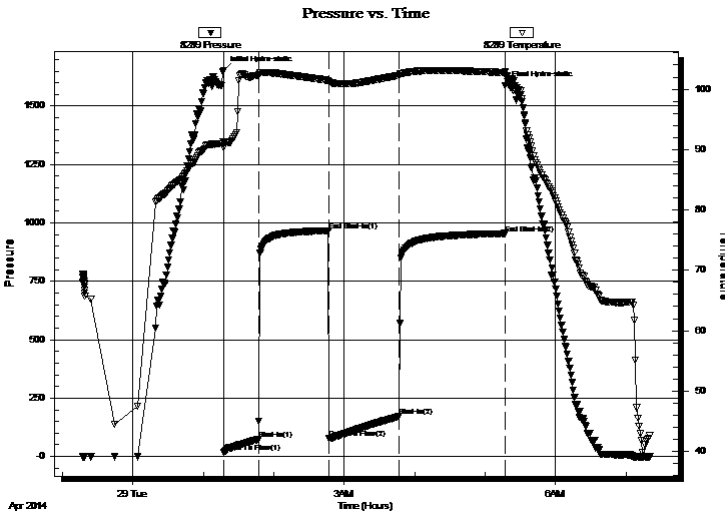
Formation: **LKC " F - G "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:17:15  
 Time Test Ended: 07:21:00  
 Interval: **3316.00 ft (KB) To 3352.00 ft (KB) (TVD)**  
 Total Depth: 3352.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8289 Outside

Press@RunDepth: 171.97 psig @ 3322.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.28 End Date: 2014.04.29 Last Calib.: 2014.04.29  
 Start Time: 23:17:02 End Time: 07:21:00 Time On Btm: 2014.04.29 @ 01:17:00  
 Time Off Btm: 2014.04.29 @ 05:17:15

TEST COMMENT: 30-IFP- BOB in 26 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 31 min.  
 90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1653.11	91.26	Initial Hydro-static
1	16.51	90.32	Open To Flow (1)
30	74.77	102.35	Shut-In(1)
90	966.93	101.45	End Shut-In(1)
90	76.80	101.16	Open To Flow (2)
150	171.97	102.30	Shut-In(2)
240	954.78	102.74	End Shut-In(2)
241	1587.47	102.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
340.00	MCW 15% m 85% w	4.50

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

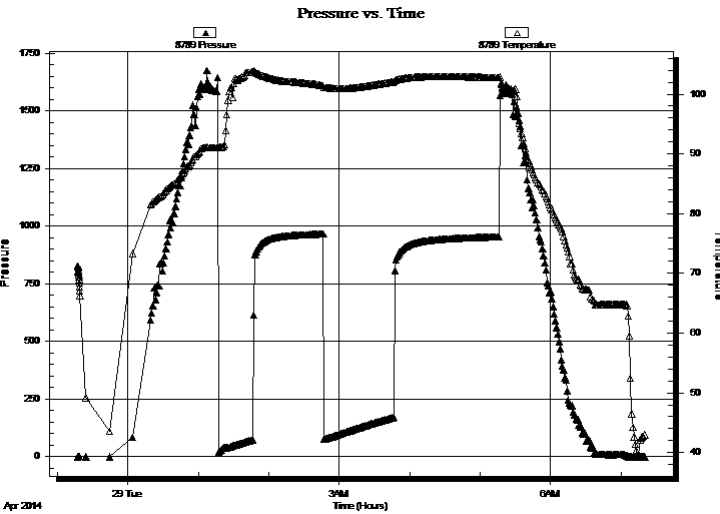
**12 9s 18w Rooks, KS**  
**Simpson Trust #1**  
 Job Ticket: 58853      **DST#: 3**  
 Test Start: 2014.04.28 @ 23:17:00

**GENERAL INFORMATION:**

Formation: **LKC " F - G "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:17:15  
 Time Test Ended: 07:21:00  
**Interval: 3316.00 ft (KB) To 3352.00 ft (KB) (TVD)**  
 Total Depth: 3352.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8789 Inside**  
 Press@RunDepth: psig @ 3322.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.28 End Date: 2014.04.29 Last Calib.: 2014.04.29  
 Start Time: 23:17:02 End Time: 07:21:00 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30-IFP- BOB in 26 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 31 min.  
 90-FSIP- No Blow



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
340.00	MCW 15% m 85% w	4.50

\* Recovery from multiple tests

**Gas Rates**

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58853

**DST#: 3**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 23:17:00

## Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 46.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3316.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3294.00	
Shut In Tool	5.00			3299.00	
Hydraulic tool	5.00			3304.00	
Safety Joint	2.00			3306.00	
Packer	5.00			3311.00	23.00 Bottom Of Top Packer
Packer	5.00			3316.00	
Stubb	1.00			3317.00	
Perforations	5.00			3322.00	
Recorder	0.00	8789	Inside	3322.00	
Recorder	0.00	8289	Outside	3322.00	
Perforations	27.00			3349.00	
Bullnose	3.00			3352.00	36.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58853

**DST#: 3**

ATTN: Chuck Schmaltz

Test Start: 2014.04.28 @ 23:17:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

57000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	MCW 15%m 85%w	4.496

Total Length: 340.00 ft      Total Volume: 4.496 bbl

Num Fluid Samples: 0

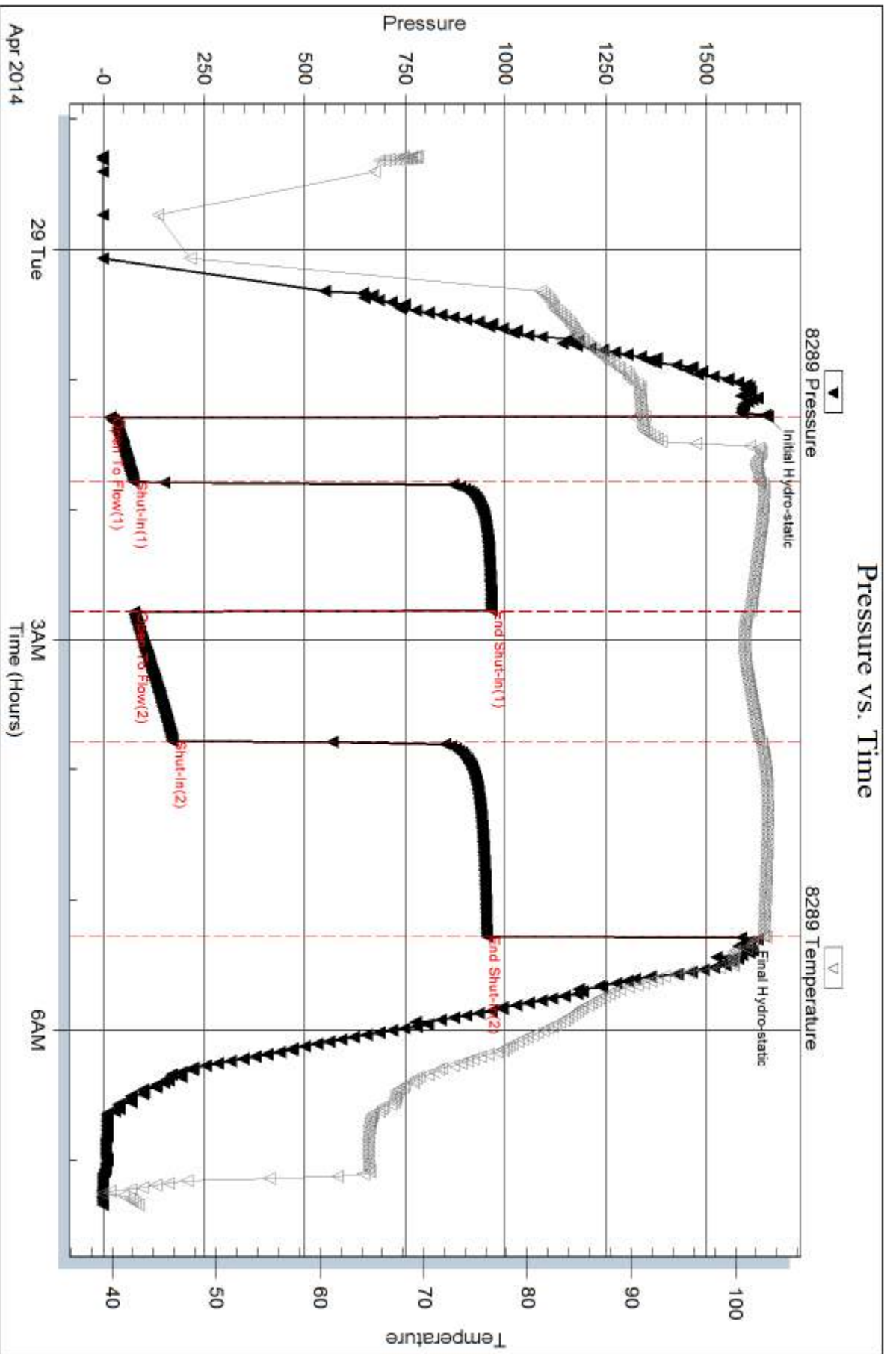
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .240 @ 40



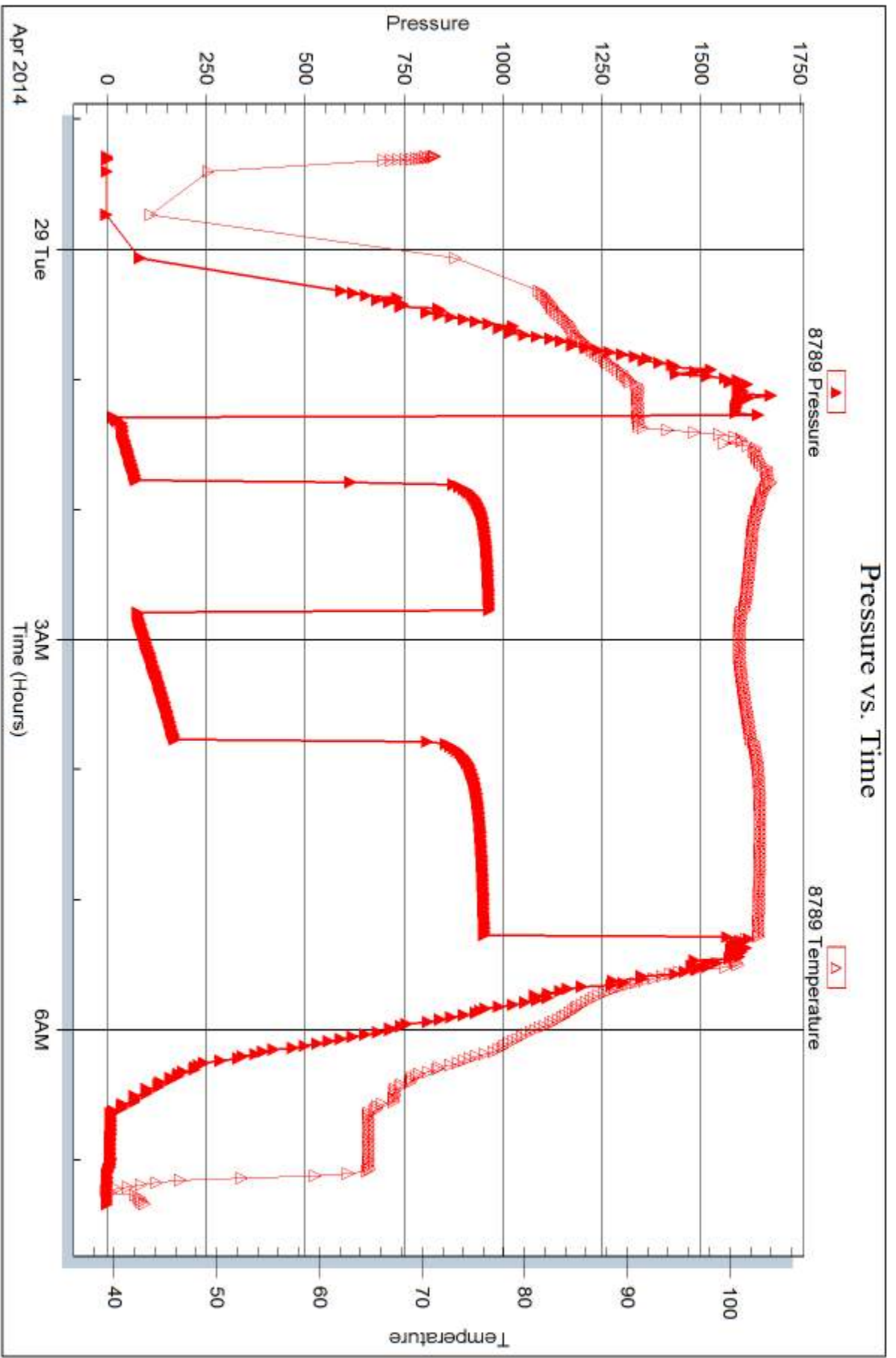
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58853

Printed: 2014.05.02 @ 14:57:23



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.29 @ 15:50:00

End Date: 2014.04.29 @ 23:20:00

Job Ticket #: 58854                      DST #: 4

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

Printed: 2014.05.02 @ 14:56:57



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

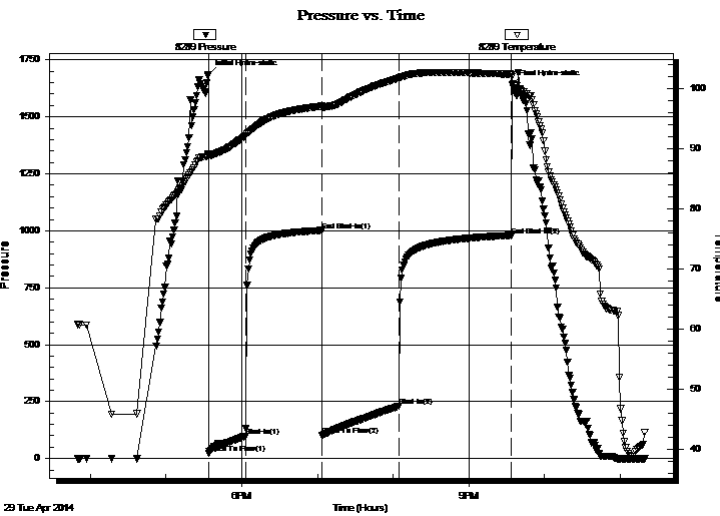
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58854      **DST#: 4**  
 Test Start: 2014.04.29 @ 15:50:00

## GENERAL INFORMATION:

Formation: **LKC " H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:33:45  
 Time Test Ended: 23:20:00  
 Interval: **3353.00 ft (KB) To 3400.00 ft (KB) (TVD)**  
 Total Depth: 3400.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289      Outside**  
 Press@RunDepth: 229.55 psig @ 3364.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.04.29      End Date: 2014.04.29      Last Calib.: 2014.04.29  
 Start Time: 15:50:02      End Time: 23:20:00      Time On Btm: 2014.04.29 @ 17:33:30  
 Time Off Btm: 2014.04.29 @ 21:34:15

TEST COMMENT: 30-IFP- BOB in 16 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 20 min.  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.06	89.01	Initial Hydro-static
1	23.71	88.60	Open To Flow (1)
30	99.12	92.10	Shut-In(1)
90	1001.56	97.02	End Shut-In(1)
91	102.74	96.68	Open To Flow (2)
151	229.55	101.62	Shut-In(2)
241	979.97	102.32	End Shut-In(2)
241	1643.12	101.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	WCM 30%w 70%m	0.64
375.00	MCW 20%m 80%w	5.26

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company

**12 9s 18w Rooks, KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58854 **DST#: 4**

ATTN: Chuck Schmaltz

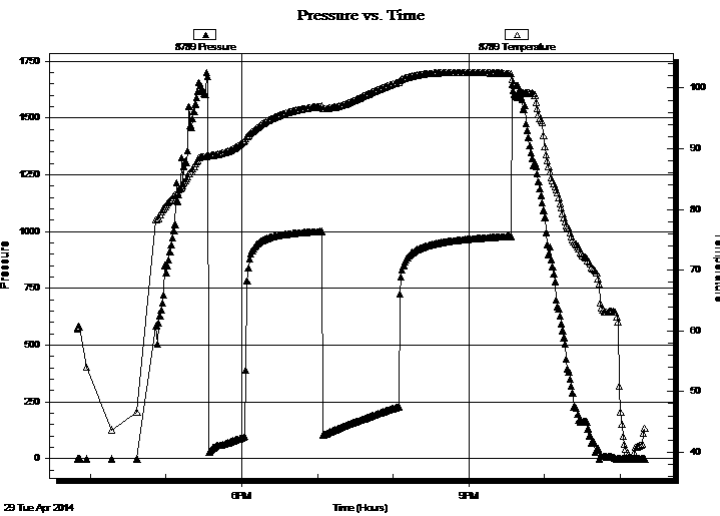
Test Start: 2014.04.29 @ 15:50:00

## GENERAL INFORMATION:

Formation: **LKC " H**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 17:33:45 Tester: Jim Svaty  
 Time Test Ended: 23:20:00 Unit No: 76  
**Interval: 3353.00 ft (KB) To 3400.00 ft (KB) (TVD)** Reference Elevations: 2072.00 ft (KB)  
 Total Depth: 3400.00 ft (KB) (TVD) 2062.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 8789** **Inside**  
 Press@RunDepth: psig @ 3364.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.29 End Date: 2014.04.29 Last Calib.: 2014.04.29  
 Start Time: 15:50:02 End Time: 23:19:45 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30-IFP- BOB in 16 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 20 min.  
 90-FSIP- No Blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	WCM 30%w 70% m	0.64
375.00	MCW 20% m 80% w	5.26

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58854

**DST#: 4**

ATTN: Chuck Schmaltz

Test Start: 2014.04.29 @ 15:50:00

## Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.80 inches	Volume: 46.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 46.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3353.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3331.00	
Shut In Tool	5.00			3336.00	
Hydraulic tool	5.00			3341.00	
Safety Joint	2.00			3343.00	
Packer	5.00			3348.00	23.00 Bottom Of Top Packer
Packer	5.00			3353.00	
Stubb	1.00			3354.00	
Perforations	10.00			3364.00	
Recorder	0.00	8789	Inside	3364.00	
Recorder	0.00	8289	Outside	3364.00	
Change Over Sub	1.00			3365.00	
Blank Spacing	31.00			3396.00	
Change Over Sub	1.00			3397.00	
Bullnose	3.00			3400.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58854

**DST#: 4**

ATTN: Chuck Schmaltz

Test Start: 2014.04.29 @ 15:50:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

72500 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.71 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 4.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	WCM 30%w 70%m	0.638
375.00	MCW 20%m 80%w	5.260

Total Length: 440.00 ft

Total Volume: 5.898 bbl

Num Fluid Samples: 0

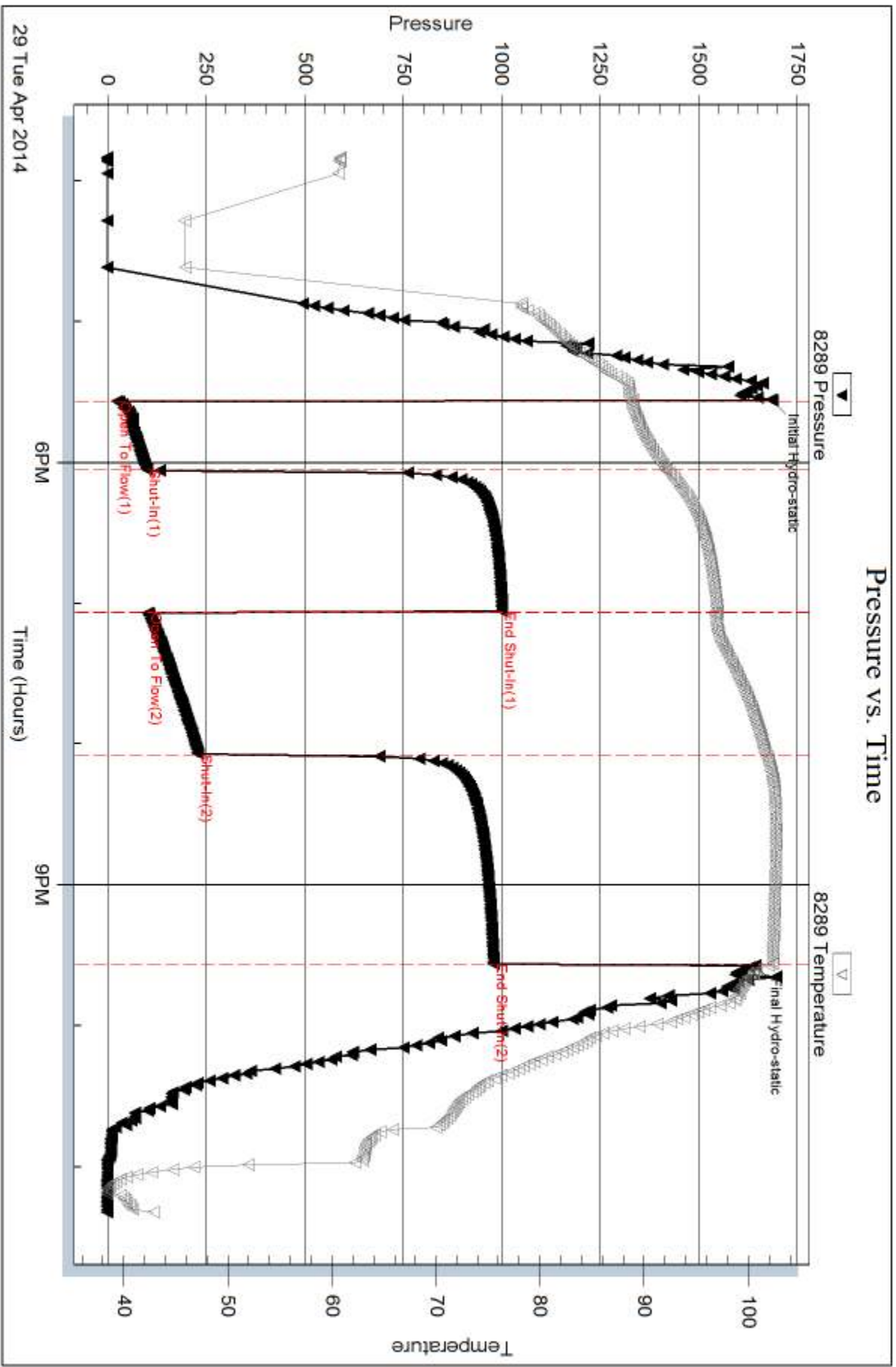
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .190 @ 40



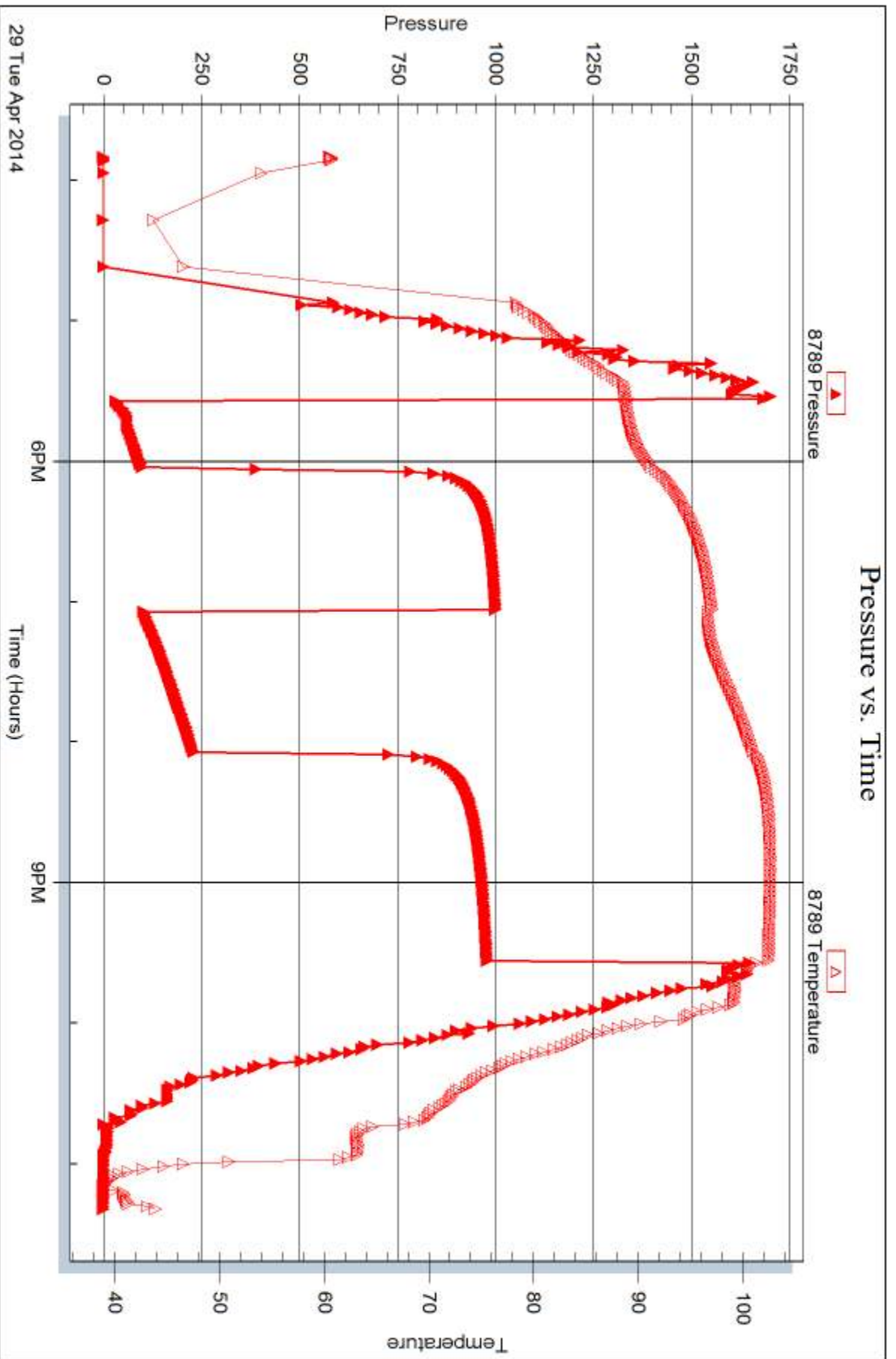
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 58854

Printed: 2014.05.02 @ 14:56:59



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.30 @ 08:16:00

End Date: 2014.04.30 @ 15:51:00

Job Ticket #: 58855                      DST #: 5

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

Printed: 2014.05.02 @ 14:56:33



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmaltz

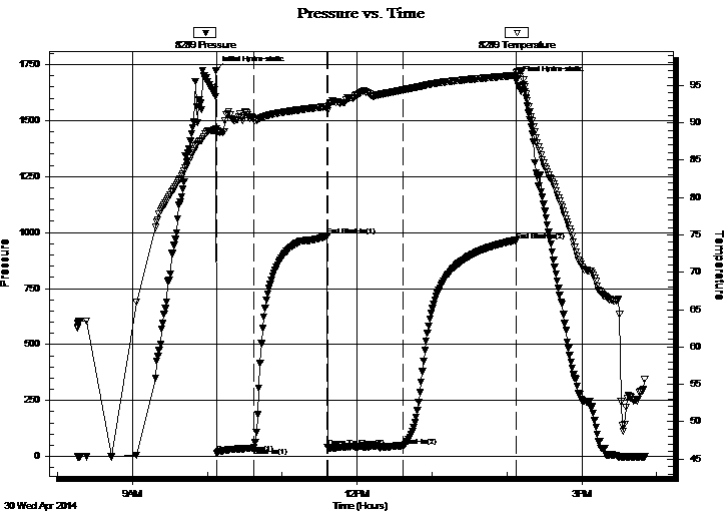
**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58855 **DST#: 5**  
 Test Start: 2014.04.30 @ 08:16:00

## GENERAL INFORMATION:

Formation: **LKC " J - L "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:07:15  
 Time Test Ended: 15:51:00  
**Interval: 3399.00 ft (KB) To 3460.00 ft (KB) (TVD)**  
 Total Depth: 3460.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**  
 Press@RunDepth: 47.15 psig @ 3400.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.30 End Date: 2014.04.30 Last Calib.: 2014.04.30  
 Start Time: 08:16:02 End Time: 15:51:00 Time On Btm: 2014.04.30 @ 10:07:00  
 Time Off Btm: 2014.04.30 @ 14:07:30

**TEST COMMENT:** 30-IFP- Surface Blow Building to 3 1/4"  
 60-ISIP- No Blow  
 60-FFP- Surface Blow Building to 2 3/4"  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.87	89.19	Initial Hydro-static
1	16.04	88.62	Open To Flow (1)
30	39.04	90.48	Shut-In(1)
89	984.45	92.19	End Shut-In(1)
90	41.84	91.62	Open To Flow (2)
150	47.15	94.39	Shut-In(2)
241	964.78	96.36	End Shut-In(2)
241	1679.67	96.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil Speck Mud 100%	0.60
3.00	WOCM 5%w 15%o 80%m	0.04
3.00	CO 100%	0.04

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58855

**DST#: 5**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 08:16:00

## Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.80 inches	Volume: 47.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 47.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3399.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3377.00	
Shut In Tool	5.00			3382.00	
Hydraulic tool	5.00			3387.00	
Safety Joint	2.00			3389.00	
Packer	5.00			3394.00	23.00 Bottom Of Top Packer
Packer	5.00			3399.00	
Stubb	1.00			3400.00	
Recorder	0.00	8789	Inside	3400.00	
Recorder	0.00	8289	Outside	3400.00	
Perforations	24.00			3424.00	
Change Over Sub	1.00			3425.00	
Blank Spacing	31.00			3456.00	
Change Over Sub	1.00			3457.00	
Bullnose	3.00			3460.00	61.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58855

**DST#: 5**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 08:16:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Oil Speck Mud 100%	0.596
3.00	WOCM 5%w 15%o 80%m	0.042
3.00	CO 100%	0.042

Total Length: 68.00 ft      Total Volume: 0.680 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

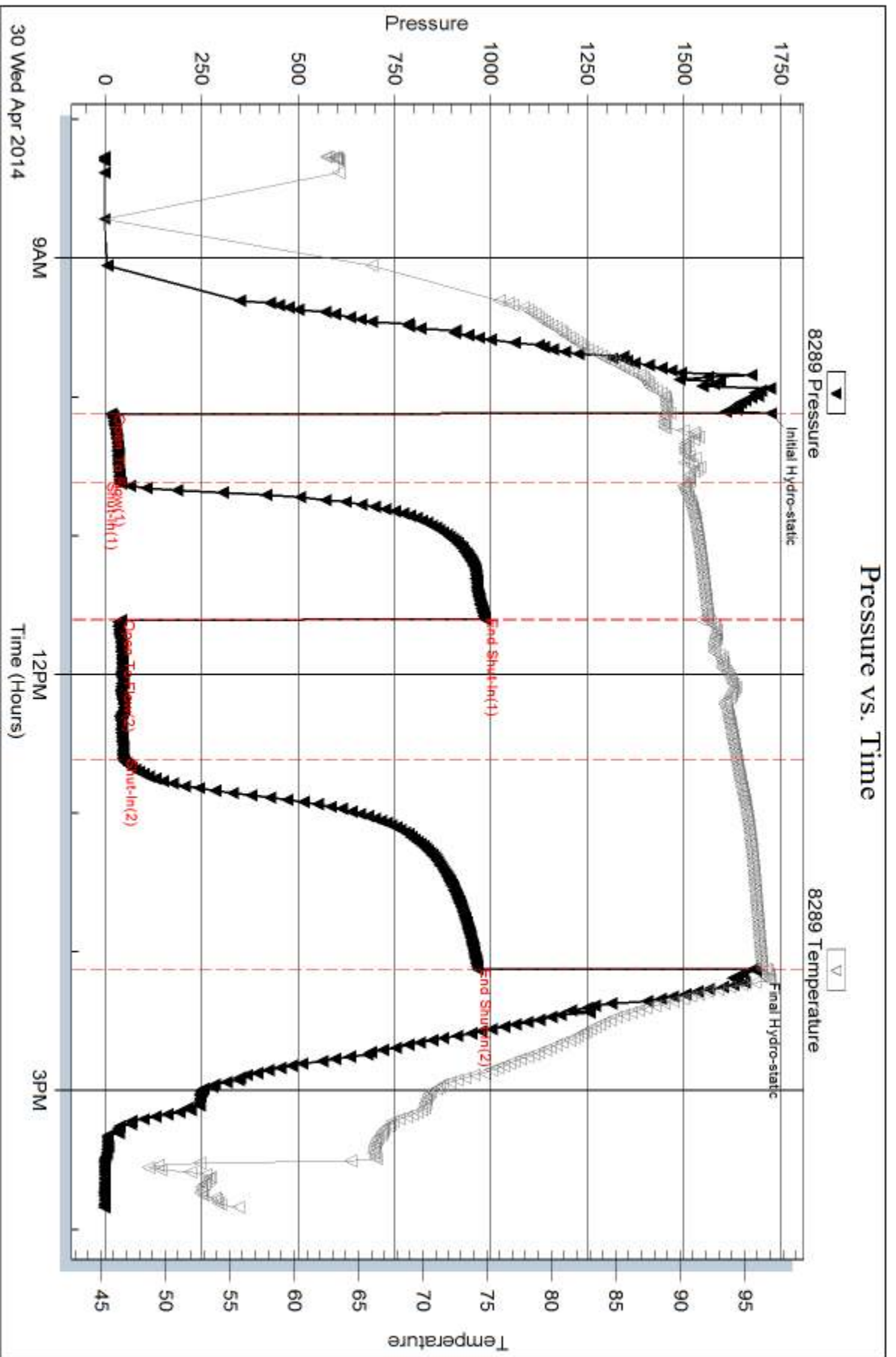
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





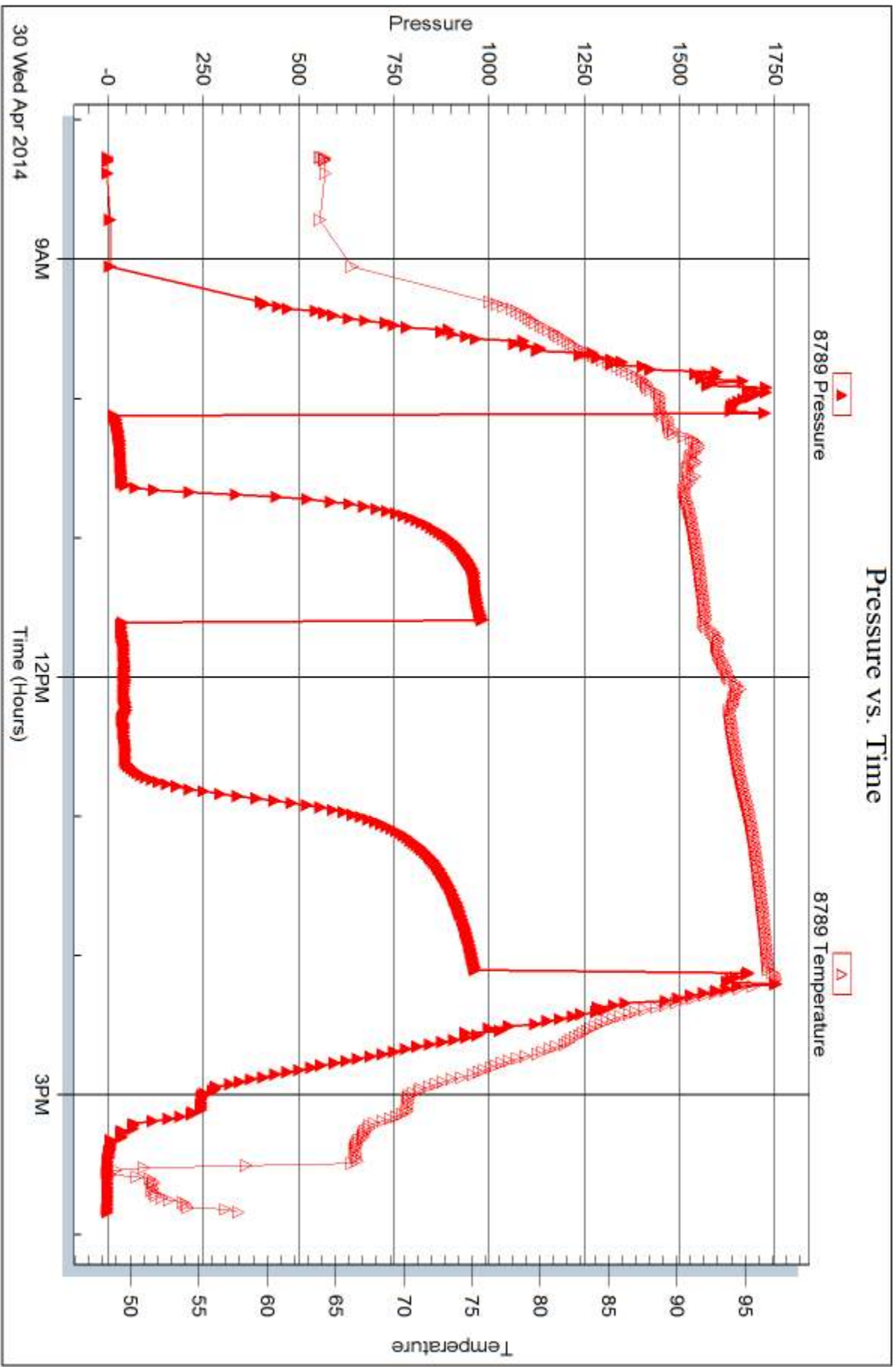
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 58855

Printed: 2014.05.02 @ 14:56:35



## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.04.30 @ 23:30:00

End Date: 2014.05.01 @ 07:22:00

Job Ticket #: 58856                      DST #: 6

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

Printed: 2014.05.02 @ 14:56:02



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58856      **DST#: 6**  
Test Start: 2014.04.30 @ 23:30:00

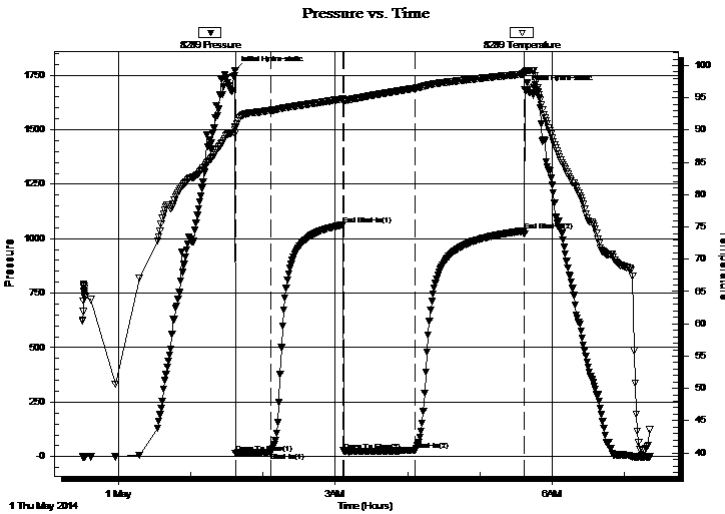
## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 01:37:00  
Time Test Ended: 07:22:00  
Interval: **3490.00 ft (KB) To 3506.00 ft (KB) (TVD)**  
Total Depth: 3506.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8289      Outside**  
Press@RunDepth: 28.37 psig @ 3491.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.04.30      End Date: 2014.05.01      Last Calib.: 2014.05.01  
Start Time: 23:30:02      End Time: 07:22:00      Time On Btm: 2014.05.01 @ 01:36:45  
Time Off Btm: 2014.05.01 @ 05:37:30

**TEST COMMENT:** 30-IFP- Surface Blow Building to 1" in 15 min.  
60-ISIP- No Blow  
60-FFP- Surface Blow  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.36	90.54	Initial Hydro-static
1	14.88	89.63	Open To Flow (1)
30	20.78	93.05	Shut-In(1)
90	1063.47	94.82	End Shut-In(1)
90	26.14	94.40	Open To Flow (2)
150	28.37	96.47	Shut-In(2)
241	1036.06	98.68	End Shut-In(2)
241	1684.77	98.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
52.00	OCM	0.46
3.00	Heavy CO	0.04

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58856

**DST#: 6**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 23:30:00

## Tool Information

Drill Pipe:	Length: 3442.00 ft	Diameter: 3.80 inches	Volume: 48.28 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	47000.00 lb
			<u>Total Volume: 48.43 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3490.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3468.00	
Shut In Tool	5.00			3473.00	
Hydraulic tool	5.00			3478.00	
Safety Joint	2.00			3480.00	
Packer	5.00			3485.00	23.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8789	Inside	3491.00	
Recorder	0.00	8289	Outside	3491.00	
Perforations	12.00			3503.00	
Bullnose	3.00			3506.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58856

**DST#: 6**

ATTN: Chuck Schmaltz

Test Start: 2014.04.30 @ 23:30:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 4.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	OCM	0.456
3.00	Heavy CO	0.042

Total Length: 55.00 ft      Total Volume: 0.498 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

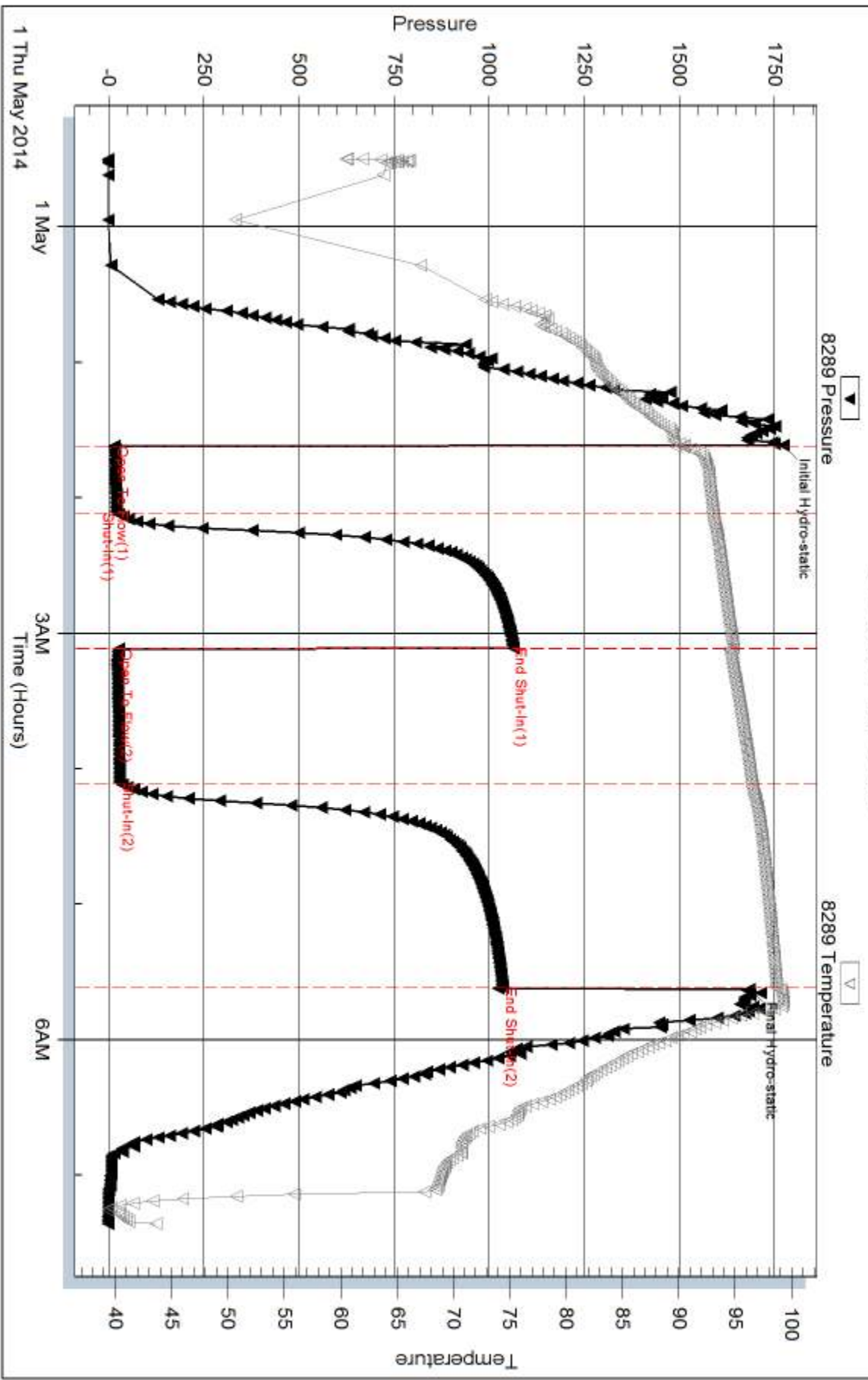
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





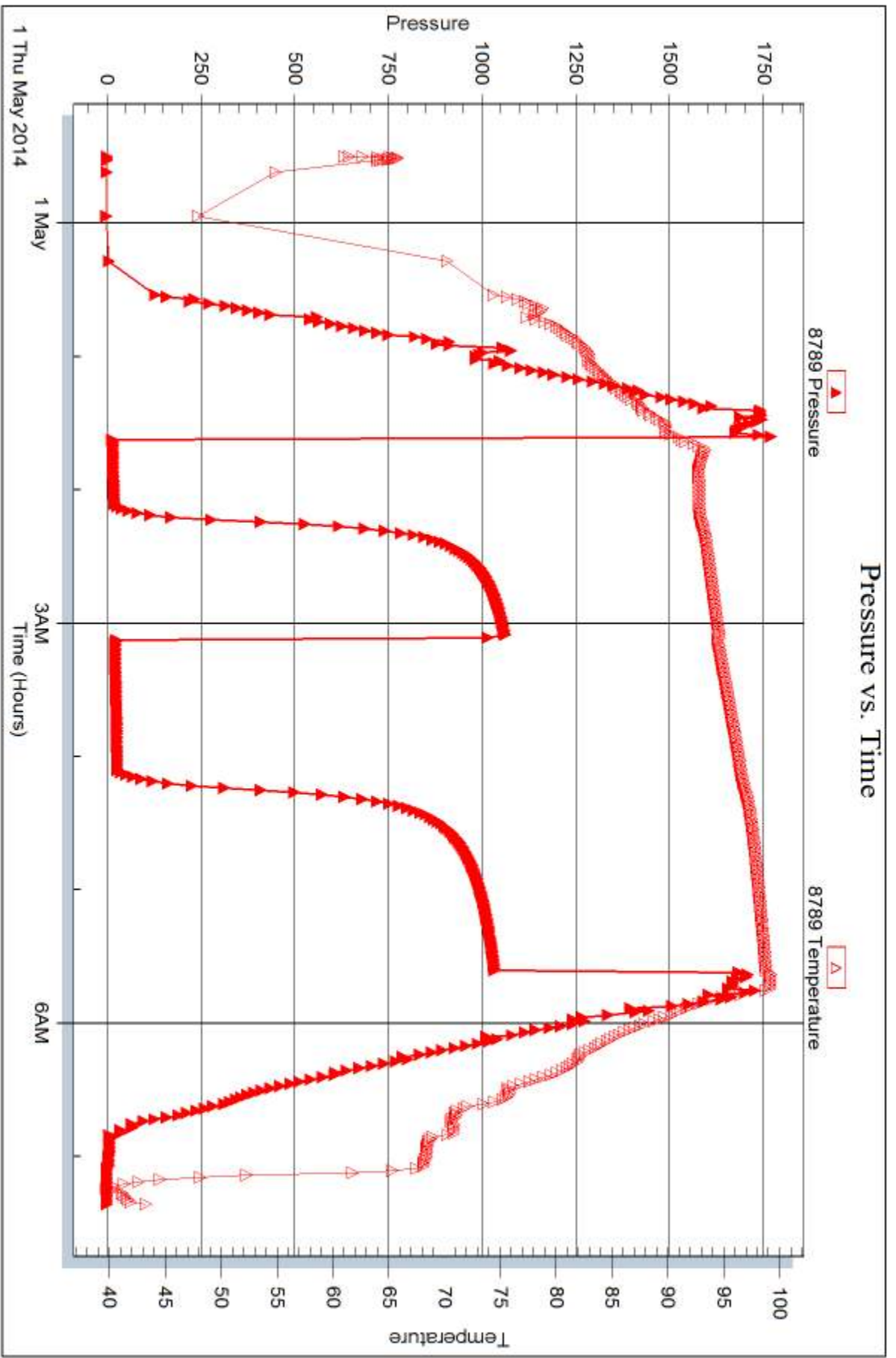
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 6





## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.05.01 @ 13:56:00

End Date: 2014.05.01 @ 21:30:00

Job Ticket #: 58857                      DST #: 7

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

Printed: 2014.05.02 @ 14:55:24

Gore Oil Company  
12 9s 18w Rooks,KS  
Simpson Trust #1  
DST # 7  
Arbuckle  
2014.05.01



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
PO Box 2757  
Wichita KS 67202-4518  
ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
Job Ticket: 58857      **DST#: 7**  
Test Start: 2014.05.01 @ 13:56:00

## GENERAL INFORMATION:

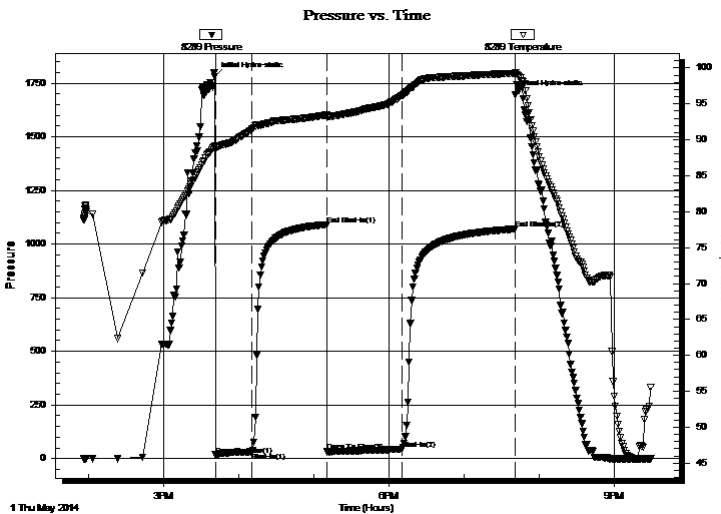
Formation: **Arbuckle**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 15:41:15  
Time Test Ended: 21:30:00  
Interval: **3506.00 ft (KB) To 3526.00 ft (KB) (TVD)**  
Total Depth: 3526.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Fair  
Reference Elevations: 2072.00 ft (KB)  
2062.00 ft (CF)  
KB to GR/CF: 10.00 ft

## Serial #: 8289      Outside

Press@RunDepth: 43.41 psig @ 3507.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.05.01      End Date: 2014.05.01      Last Calib.: 2014.05.01  
Start Time: 13:56:02      End Time: 21:29:45      Time On Btm: 2014.05.01 @ 15:41:00  
Time Off Btm: 2014.05.01 @ 19:41:15

TEST COMMENT: 30-IFP- Surface Blow Building to 1 1/4"  
60-ISIP- No Blow  
60-FFP- Surface Blow in 13min. Building to 1 1/4".  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.18	89.12	Initial Hydro-static
1	17.03	88.66	Open To Flow (1)
30	30.76	91.48	Shut-In(1)
90	1090.94	93.44	End Shut-In(1)
90	32.77	93.13	Open To Flow (2)
150	43.41	96.14	Shut-In(2)
240	1070.55	99.25	End Shut-In(2)
241	1697.83	99.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil Speck WCM 20%w 80%m	0.15
31.00	OWCM 5%o 20%w 75%m	0.43
4.00	CO 100%	0.06

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58857

**DST#: 7**

ATTN: Chuck Schmaltz

Test Start: 2014.05.01 @ 13:56:00

## Tool Information

Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 48.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3506.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3484.00	
Shut In Tool	5.00			3489.00	
Hydraulic tool	5.00			3494.00	
Safety Joint	2.00			3496.00	
Packer	5.00			3501.00	23.00 Bottom Of Top Packer
Packer	5.00			3506.00	
Stubb	1.00			3507.00	
Recorder	0.00	8789	Inside	3507.00	
Recorder	0.00	8289	Outside	3507.00	
Perforations	16.00			3523.00	
Bullnose	3.00			3526.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58857

**DST#: 7**

ATTN: Chuck Schmaltz

Test Start: 2014.05.01 @ 13:56:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil Speck WCM 20%w 80%m	0.148
31.00	OWCM 5%o 20%w 75%m	0.435
4.00	CO 100%	0.056

Total Length: 65.00 ft      Total Volume: 0.639 bbl

Num Fluid Samples: 0

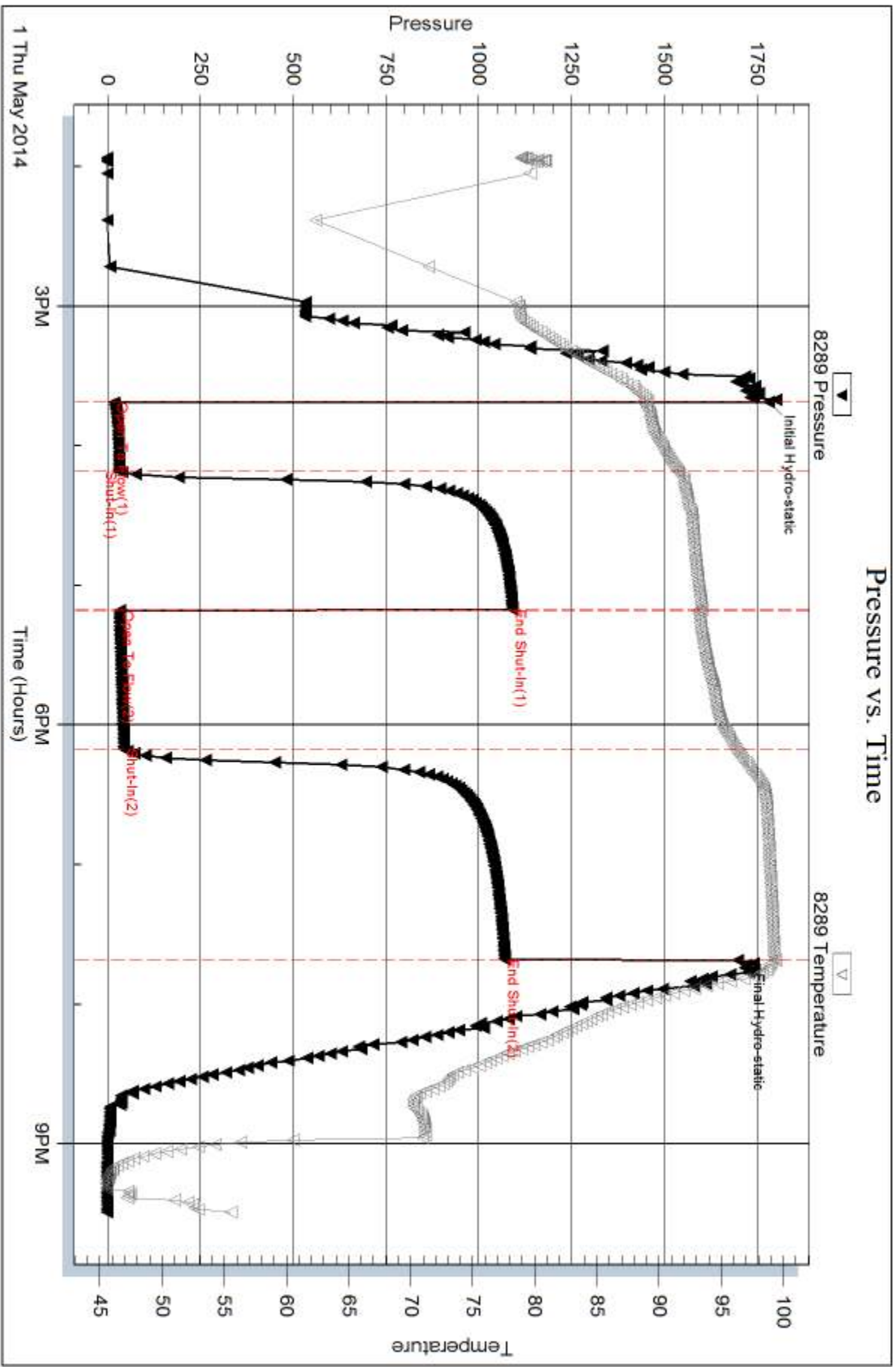
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .460 @ 50



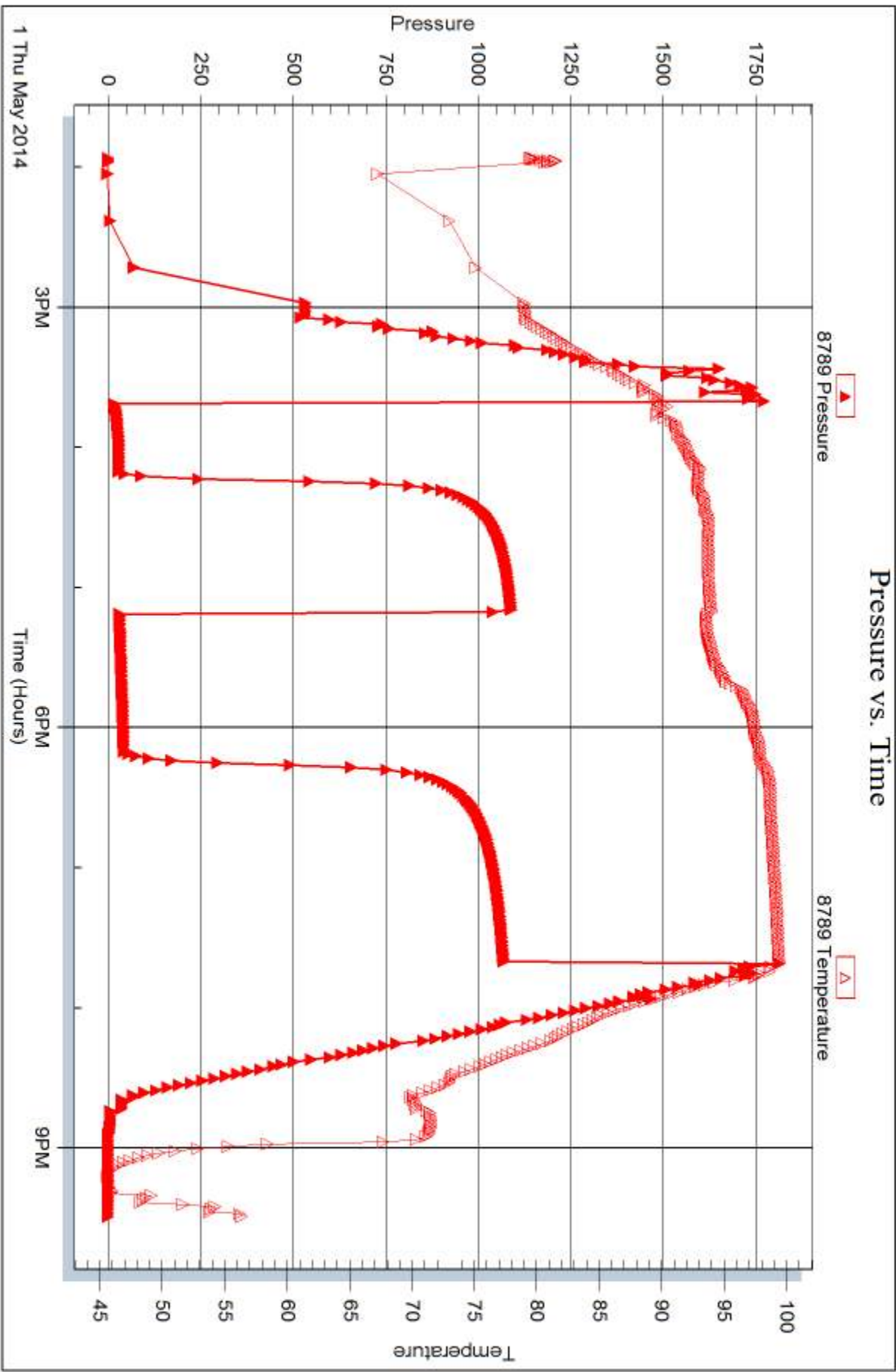
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust #1

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 59857

Printed: 2014.05.02 @ 14:55:25





## DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757  
Wichita KS 67202-4518

ATTN: Chuck Schmaltz

### **Simpson Trust #1**

#### **12 9s 18w Rooks,KS**

Start Date: 2014.05.02 @ 04:40:00

End Date: 2014.05.02 @ 13:05:00

Job Ticket #: 58858                      DST #: 8

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

Printed: 2014.05.02 @ 14:54:41



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 PO Box 2757  
 Wichita KS 67202-4518  
 ATTN: Chuck Schmalz

**12 9s 18w Rooks,KS**  
**Simpson Trust #1**  
 Job Ticket: 58858 **DST#: 8**  
 Test Start: 2014.05.02 @ 04:40:00

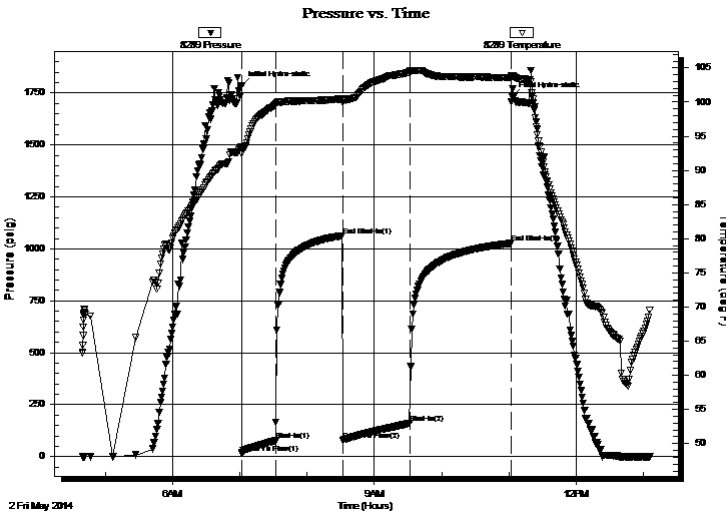
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:01:45  
 Time Test Ended: 13:05:00  
 Interval: **3526.00 ft (KB) To 3548.00 ft (KB) (TVD)**  
 Total Depth: 3548.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 2072.00 ft (KB)  
 2062.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8289 Outside**  
 Press@RunDepth: 160.17 psig @ 3527.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.05.02 End Date: 2014.05.02 Last Calib.: 2014.05.02  
 Start Time: 04:40:02 End Time: 13:05:15 Time On Btm: 2014.05.02 @ 07:01:30  
 Time Off Btm: 2014.05.02 @ 11:02:30

TEST COMMENT: 30-IFP- BOB in 29 min.  
 60-ISIP- No Blow  
 60-FFP- BOB in 30 min.  
 90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.63	93.40	Initial Hydro-static
1	17.19	92.43	Open To Flow (1)
31	76.75	99.63	Shut-In(1)
90	1063.60	100.45	End Shut-In(1)
91	79.32	99.95	Open To Flow (2)
150	160.17	104.40	Shut-In(2)
241	1027.19	103.63	End Shut-In(2)
241	1733.88	103.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 15%w 85%w	1.48
62.00	WCM 35%w 65%w	0.87
63.00	WCM 15%w 85%w	0.88
70.00	Mud 100%	0.98

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58858

**DST#: 8**

ATTN: Chuck Schmaltz

Test Start: 2014.05.02 @ 04:40:00

## Tool Information

Drill Pipe:	Length: 3505.00 ft	Diameter: 3.80 inches	Volume: 49.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 49.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3526.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3504.00	
Shut In Tool	5.00			3509.00	
Hydraulic tool	5.00			3514.00	
Safety Joint	2.00			3516.00	
Packer	5.00			3521.00	23.00 Bottom Of Top Packer
Packer	5.00			3526.00	
Stubb	1.00			3527.00	
Recorder	0.00	8789	Inside	3527.00	
Recorder	0.00	8289	Outside	3527.00	
Perforations	18.00			3545.00	
Bullnose	3.00			3548.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Gore Oil Company

**12 9s 18w Rooks,KS**

PO Box 2757  
Wichita KS 67202-4518

**Simpson Trust #1**

Job Ticket: 58858

**DST#: 8**

ATTN: Chuck Schmaltz

Test Start: 2014.05.02 @ 04:40:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.71 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW 15% <i>m</i> 85% <i>w</i>	1.480
62.00	WCM 35% <i>w</i> 65% <i>m</i>	0.870
63.00	WCM 15% <i>w</i> 85% <i>m</i>	0.884
70.00	Mud 100%	0.982

Total Length: 320.00 ft

Total Volume: 4.216 bbl

Num Fluid Samples: 0

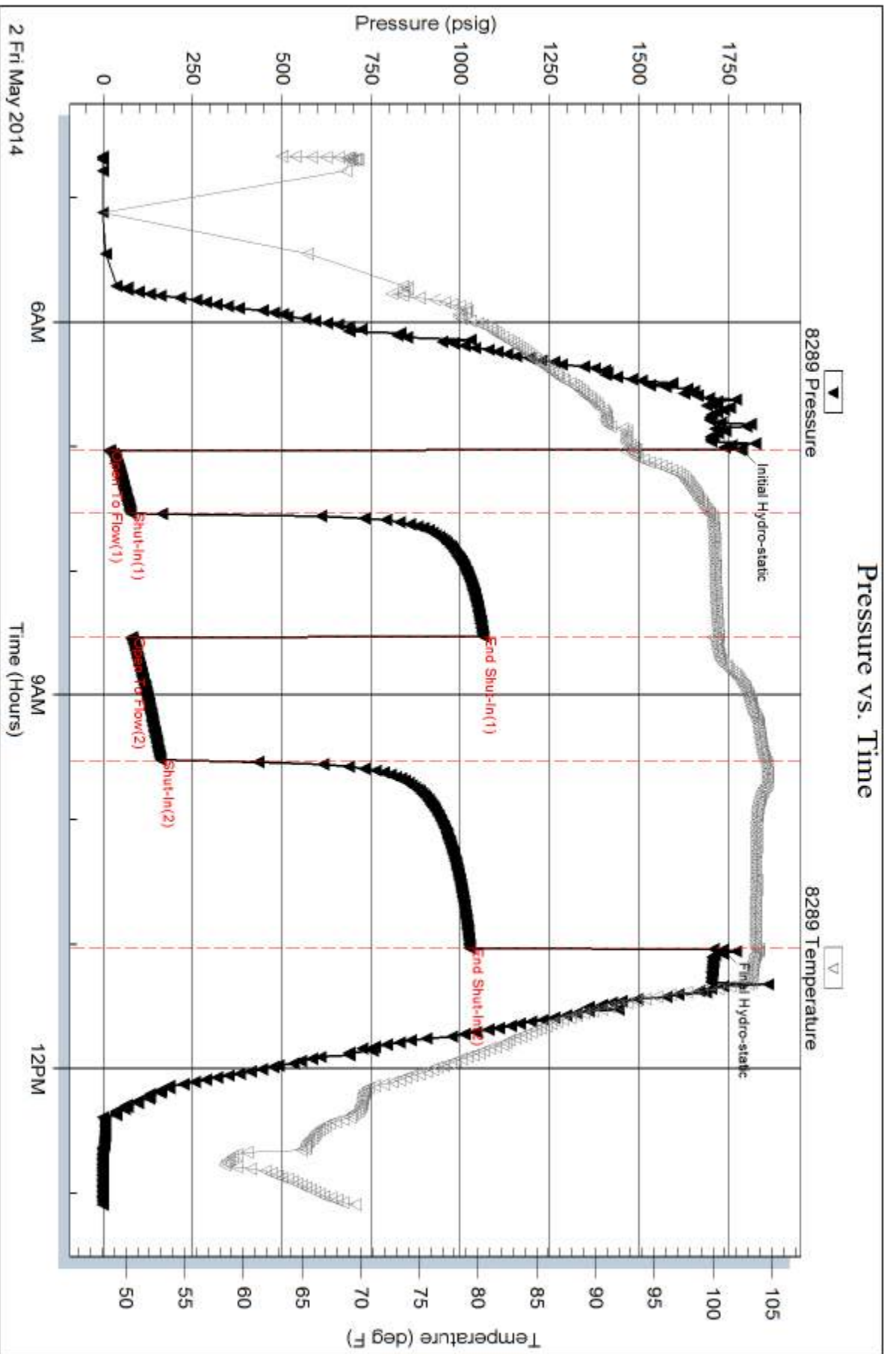
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .251 @ 71



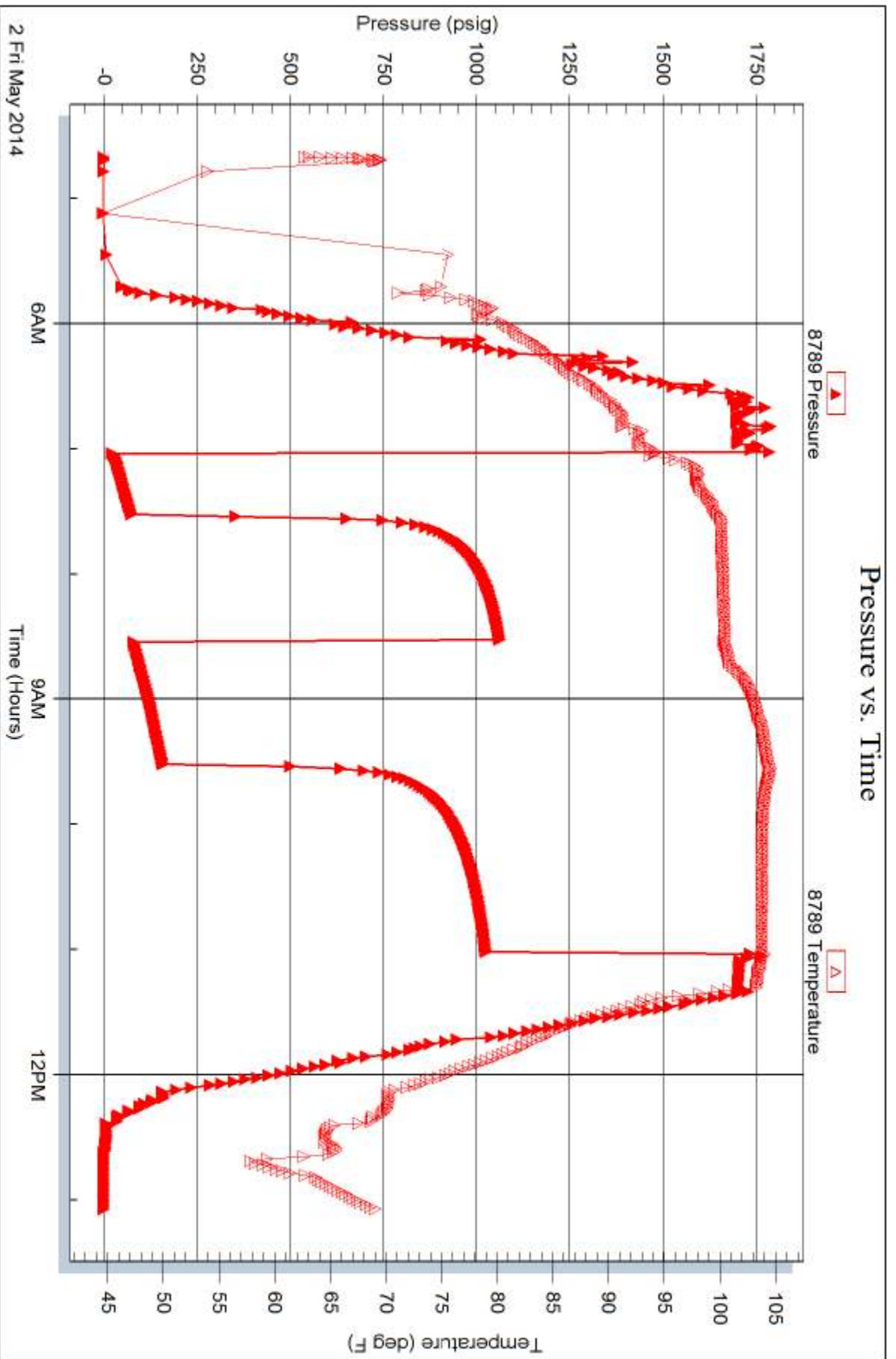
Serial #: 8789

Inside

Gore Oil Company

Simpson Trust#1

DST Test Number: 8



Trilobite Testing, Inc

Ref. No: 59858

Printed: 2014.05.02 @ 14:54:43



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58851

4/10

Well Name & No. Simpson Tract #1 Test No. 1 Date 4-27-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3159 - 3280 Zone Tested LKC "A-C" Oread  
 Anchor Length 121 Drill Pipe Run 3130 Mud Wt. 8.6  
 Top Packer Depth 3154 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3159 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3280 Chlorides 2200 ppm System LCM 1.5

Blow Description IFP - BOB in 10min.  
ISIP - Surface Blow in 1min. Died in 1.2min.  
FFP - BOB in 8min.

FSIP - Surface Blow Building to 4in. in 18min. Died Back in 25min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>OMCW</u>	<u>5</u>	<u>55</u>	<u>40</u>	
<u>125</u>	<u>WOCM</u>	<u>25</u>	<u>15</u>	<u>60</u>	
<u>125</u>	<u>MCO</u>	<u>80</u>		<u>20</u>	
<u>50</u>	<u>CO</u>	<u>100</u>			
	<u>320 STIP</u>				

Rec Total 363 BHT 100 Gravity 34 API RW .245 @ 62 °F Chlorides 33000 ppm

(A) Initial Hydrostatic 1560  Test 1150 T-On Location 10:30  
 (B) First Initial Flow 29  Jars \_\_\_\_\_ T-Started 13:00  
 (C) First Final Flow 87  Safety Joint 75 T-Open 15:07  
 (D) Initial Shut-In 1018  Circ Sub \_\_\_\_\_ T-Pulled 19:07  
 (E) Second Initial Flow 94  Hourly Standby \_\_\_\_\_ T-Out 21:09  
 (F) Second Final Flow 162  Mileage 62 RT 96.10  
 (G) Final Shut-In 996  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1522  Straddle \_\_\_\_\_

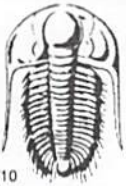
Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_  
 Final Shut-In 90  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1321.10 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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

cell# 7856395864





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58852

4/10

Well Name & No. Simpson Trust #1 Test No. 2 Date 4-28-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. Rooks State KS

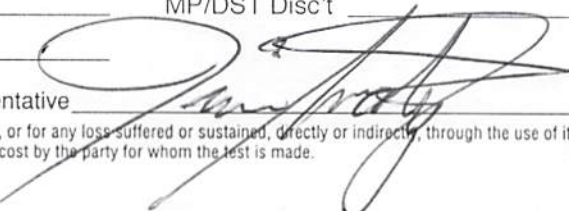
Interval Tested 3283-3315 Zone Tested LRC "D+E"  
 Anchor Length 32 Drill Pipe Run 3254 Mud Wt. 9.2  
 Top Packer Depth 3278 Drill Collars Run 30 Vis 49  
 Bottom Packer Depth 3283 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3315 Chlorides 3800 ppm System LCM 4

Blow Description IFP - SURFACE Blow Building To 2 1/2 in.  
ISIP - No Blow  
FFP - 1 in. Blow in 30 sec. Died Back in 12 min. to 1/2 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>DMCO</u>	<u>10</u>	<u>55</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 97 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1626  Test 1150 T-On Location 4:00  
 (B) First Initial Flow 12  Jars \_\_\_\_\_ T-Started 5:33  
 (C) First Final Flow 24  Safety Joint 75 T-Open 8:02  
 (D) Initial Shut-In 980  Circ Sub \_\_\_\_\_ T-Pulled 12:02  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 14:11  
 (F) Second Final Flow 32  Mileage 62 RT 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 972  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1595  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative 

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58853

Well Name & No. Simpson Trust #1 Test No. 3 Date 4-28-14  
 Company More Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 WICHITA KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. ROOKS State KS

Interval Tested 3316-3352 Zone Tested LKC "F + D"  
 Anchor Length 36 Drill Pipe Run 3286 Mud Wt. 9.2  
 Top Packer Depth 3311 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3316 Wt. Pipe Run 0 WL 7.0  
 Total Depth 3352 Chlorides 4000 ppm System LCM 4

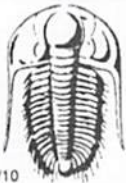
Blow Description IFP - BOB in 26 min.  
ISIP - No Blow  
FFP - BOB in 31 min.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>340</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340 BHT 102 Gravity \_\_\_\_\_ API RW 240 @ 40 ° F Chlorides 57000 ppm  
 (A) Initial Hydrostatic 1653  Test 1150 T-On Location 22:37  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 23:17  
 (C) First Final Flow 74  Safety Joint 75 T-Open 1:17  
 (D) Initial Shut-In 966  Circ Sub \_\_\_\_\_ T-Pulled 5:17  
 (E) Second Initial Flow 76  Hourly Standby \_\_\_\_\_ T-Out 7:21  
 (F) Second Final Flow 171  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 954  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1587  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58854

4/10

Well Name & No. Simpson Trust #1 Test No. 4 Date 4-29-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmitz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. Rooks State KS

Interval Tested 3353-3400 Zone Tested LKC "H+I"  
 Anchor Length 47 Drill Pipe Run 3317 Mud Wt. 9.1  
 Top Packer Depth 3348 Drill Collars Run 30 Vis 48  
 Bottom Packer Depth 3353 Wt. Pipe Run Ø WL 8.8  
 Total Depth 3400 Chlorides 4000 ppm System LCM 4

Blow Description IFP - BOB in 16 min.  
ISIP - No Blow  
FFP - BOB in 20 min.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>375</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 440 BHT 102 Gravity \_\_\_\_\_ API RW .190 @ 40 °F Chlorides 72500 ppm  
 (A) Initial Hydrostatic 1686  Test 1150 T-On Location 15:13  
 (B) First Initial Flow 23  Jars \_\_\_\_\_ T-Started 15:50  
 (C) First Final Flow 99  Safety Joint 75 T-Open 17:34  
 (D) Initial Shut-In 1001  Circ Sub \_\_\_\_\_ T-Pulled 21:34  
 (E) Second Initial Flow 102  Hourly Standby \_\_\_\_\_ T-Out 23:20  
 (F) Second Final Flow 229  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 979  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1643  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90  
 Sub Total 1321.10

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58855

Well Name & No. Simpson Trust #1 Test No. 5 Date 4-30-14  
 Company Dere Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3399-3460 Zone Tested LKC "I-L"  
 Anchor Length 61 Drill Pipe Run 3379 Mud Wt. 9.0  
 Top Packer Depth 3394 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3399 Wt. Pipe Run ⊖ WL 8.0  
 Total Depth 3460 Chlorides 5500 ppm System LCM 4

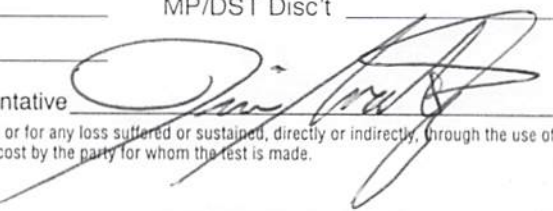
Blow Description IFP - Surface Blow Building to 3 1/4 in.  
ISIP - No Blow  
FFP - Surface Blow Building to 2 3/4 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Oil speck mud</u>			<u>100</u>	
<u>3</u>	<u>WOCM</u>	<u>15</u>	<u>5</u>	<u>80</u>	
<u>3</u>	<u>CO</u>	<u>100</u>			

Rec Total 68 BHT 96 Gravity 30 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1723  Test 1150 T-On Location 7:55  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 8:16  
 (C) First Final Flow 39  Safety Joint 75 T-Open 10:07  
 (D) Initial Shut-In 984  Circ Sub \_\_\_\_\_ T-Pulled 14:07  
 (E) Second Initial Flow 41  Hourly Standby \_\_\_\_\_ T-Out 15:51  
 (F) Second Final Flow 47  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 964  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1679  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative 

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58856

Well Name & No. Simpson Trust #1 Test No. 6 Date 4-30-14  
 Company Dare Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 - Wichita KS 67202-4518  
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108  
 Location: Sec. 12 Twp. 9<sup>s</sup> Rge. 18<sup>w</sup> Co. Rooks State KS

Interval Tested 3490 - 3506 Zone Tested Arbuckle  
 Anchor Length 16 Drill Pipe Run 3442 Mud Wt. 9.0  
 Top Packer Depth 3485 Drill Collars Run 30 Vis 52  
 Bottom Packer Depth 3490 Wt. Pipe Run Ø WL 8.0  
 Total Depth 3506 Chlorides 5500 ppm System LCM 4

Blow Description IFF - Surface Blow Building to lin. in 15 min.  
ISIP - No Blow  
FFP - Surface Blow  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>52</u>	<u>OCM</u>				
<u>3</u>	<u>Heavy Clear Oil</u>		<u>100</u>		

Rec Total 55 BHT 99 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1772  Test 1150 T-On Location 23:07  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 23:30  
 (C) First Final Flow 20  Safety Joint 75 T-Open 1:37  
 (D) Initial Shut-In 1063  Circ Sub \_\_\_\_\_ T-Pulled 5:37  
 (E) Second Initial Flow 26  Hourly Standby \_\_\_\_\_ T-Out 7:22  
 (F) Second Final Flow 28  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1036  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1684  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Sub Total 1321.10  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58857

Well Name & No. Simpson Trust #1 Test No. 7 Date 5-1-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 Wichita KS. 67202-4518  
 Co. Rep / Geo. Chuck Schmatz Rig Maverick 108  
 Location: Sec. 12 Twp. 9S Rge. 18W Co. Rooks State KS

Interval Tested 3506-3526 Zone Tested Arbuckle  
 Anchor Length 20 Drill Pipe Run 3473 Mud Wt. 9.1  
 Top Packer Depth 3501 Drill Collars Run 30 Vis 50  
 Bottom Packer Depth 3506 Wt. Pipe Run 01 WL 10.8  
 Total Depth 3526 Chlorides 6100 ppm System LCM 4

Blow Description IFP - Surface Blow Building to 1 1/4 in.  
ISIP - No Blow  
FSP - Surface Blow in 13 min. Building to 1 1/4 in.  
FSIP - No Blow

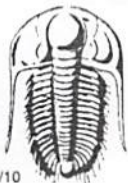
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Oil Speck WCM</u>		<u>20</u>	<u>80</u>	
<u>31</u>	<u>OWCM</u>	<u>5</u>	<u>20</u>	<u>75</u>	
<u>4</u>	<u>CO</u>	<u>100</u>			

Rec Total 65 BHT 99 Gravity 20 API RW 1460 @ 50 °F Chlorides 20000 ppm  
 (A) Initial Hydrostatic 1781  Test 1150 T-On Location 13:15  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 13:56  
 (C) First Final Flow 30  Safety Joint 75 T-Open 15:41  
 (D) Initial Shut-In 1090  Circ Sub \_\_\_\_\_ T-Pulled 19:41  
 (E) Second Initial Flow 32  Hourly Standby \_\_\_\_\_ T-Out 21:30  
 (F) Second Final Flow 43  Mileage 96.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1070  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1697  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1321.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1321.10

Approved By \_\_\_\_\_ Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58858

Well Name & No. Simpson Trust #1 Test No. 8 Date 5-2-14  
 Company Dore Oil Company Elevation 2072 KB 2062 GL  
 Address P.O. Box 2757 WICHITA KS 67202-4518  
 Co. Rep / Geo. Chuck Schmalz Rig MAVERICK 108  
 Location: Sec. 12 Twp. 9<sup>S</sup> Rge. 18<sup>W</sup> Co. Rooks State KS

Interval Tested 3526-3548 Zone Tested Arbuckle  
 Anchor Length 22 Drill Pipe Run 3505 Mud Wt. 9.1  
 Top Packer Depth 3521 Drill Collars Run 30 Vis 56  
 Bottom Packer Depth 3526 Wt. Pipe Run 0 WL 10.8  
 Total Depth 3548 Chlorides 4000 ppm System LCM 4

Blow Description IFP- BOB 29min  
ISIP- No Blow  
FFP- BOB in 30min  
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
<u>62</u>	<u>wcm</u>		<u>35</u>	<u>65</u>	
<u>63</u>	<u>wcm</u>		<u>15</u>	<u>85</u>	
<u>70</u>	<u>mud</u>			<u>100</u>	

Rec Total 320 BHT 103 Gravity API RW 251 @ 71 °F Chlorides 28000 ppm

(A) Initial Hydrostatic 1786  Test 1150 T-On Location 3:57  
 (B) First Initial Flow 17  Jars                      T-Started 4:40  
 (C) First Final Flow 76  Safety Joint 75 T-Open 7:02  
 (D) Initial Shut-In 1063  Circ Sub                      T-Pulled 11:02  
 (E) Second Initial Flow 79  Hourly Standby                      T-Out 13:05  
 (F) Second Final Flow 160  Mileage 96.10 Comments                       
 (G) Final Shut-In 1027  Sampler                       
 (H) Final Hydrostatic 1733  Straddle                       Ruined Shale Packer                     

Initial Open 30  Shale Packer                       Ruined Packer                       
 Initial Shut-In 60  Extra Packer                       Extra Copies                       
 Final Flow 60  Extra Recorder                      Sub Total 0  
 Final Shut-In 90  Day Standby                      Total 1321.10  
 Accessibility                      MP/DST Disc't                       
 Sub Total 1321.10

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