

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1209665

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

### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW   □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total 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 #:	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:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:					

Sec Twp S. R East West County:	erator Name:		Lease Name:			Well #:	
open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recover 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 files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).  Drill Stem Tests Taken	TwpS. R	_	County:				
files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).  Drill Stem Tests Taken	n and closed, flowing and shut-in p	ssures, whether shut-in pre	essure reached stati	c level, hydrosta	tic pressures, bott		
(Attach Additional Sheets)  Samples Sent to Geological Survey				gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Samples Sent to Geological Survey  Cores Taken  Electric Log Run  Yes  No  Yes  No  Yes  No		Yes No			on (Top), Depth an		
Electric Log Run Yes No	nples Sent to Geological Survey	Yes No	Name	Э		Тор	Datum
List All E. Logs Run:							
	All E. Logs Run:						
CASING RECORD New Used  Report all strings set-conductor, surface, intermediate, production, etc.					on etc		
Size Hele Size Casing Weight Setting Tune of # Seeks Time and Person	Size Hole	· -		· · · · · · · · · · · · · · · · · · ·		# Sacks	Type and Percent
Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives							
ADDITIONAL CEMENTING / SQUEEZE RECORD		ADDITIONAL	L CEMENTING / SQU	EEZE RECORD	I		
Purpose:  Perforate Protect Casing Plug Back TD  Depth Top Bottom  Type of Cement # Sacks Used Type and Percent Additives  # Sacks Used Type and Percent Additives	Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Perforate Protect Casing						
Plug Off Zone							
Did you perform a hydraulic fracturing treatment on this well?  Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No (If No, skip questions 2 and 3)  (If No, skip question 3)  Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No (If No, skip question 3)	s the volume of the total base fluid of the	ydraulic fracturing treatment ex		Yes	No (If No, ski	p question 3)	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth							d Depth
				( ,		Contact Cooper	Sop
TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No	BING 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)	e of First, Resumed Production, SWD o			Gas Lift □ ∩	Other (Explain)		
Estimated Production Per 24 Hours  Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	=					as-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:	DISPOSITION OF GAS:		METHOD OF COMPLE	TION		PRODI ICTIO	ON INTERVAL:
Vented Sold Used on Lease Open Hole Perf. Dually Comp. (Submit ACO-4)  (If vented, Submit ACO-18.)	Vented Sold Used on Le		Perf. Dually	Comp. Cor		THODOGIN	ZIVIIVI EI IVAE.

Form	ACO1 - Well Completion			
Operator	TDI, Inc.			
Well Name	Stackhouse Ranch 1			
Doc ID	1209665			

#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	20	224	Common		2% gel, 3% cc
Production	7.875	5.5	14	3897	EA-2	150	



Prepared For: **TDI Inc.** 

1310 Bison Rd Hays KS 67601

ATTN: Herb Deines

#### Stackhouse Ranch #1

#### 13-12s-19w Ellis,KS

Start Date: 2014.05.21 @ 00:35:00 End Date: 2014.05.21 @ 07:14:45 Job Ticket #: 58961 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TDI Inc.

13-12s-19w Ellis, KS

1310 Bison Rd Hays KS 67601 Stackhouse Ranch #1

Job Ticket: 58961

DST#: 1

ATTN: Herb Deines

Test Start: 2014.05.21 @ 00:35:00

#### **GENERAL INFORMATION:**

Formation: Toronto - KC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:48:00 Time Test Ended: 07:14:45

3446.00 ft (KB) To 3560.00 ft (KB) (TVD)

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Inside

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

2208.00 ft (KB)

Reference Elevations:

2200.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8957

Interval:

Start Date:

Start Time:

Press@RunDepth: 227.40

227.40 psig @ 2014.05.21

00:35:05

3447.00 ft (KB) End Date: End Time:

2014.05.21

Capacity: Last Calib.: 8000.00 psig

07:14:44

Last Calib.: 2014.05.21 Time On Btm: 2014.05.21 @ 02:46:45

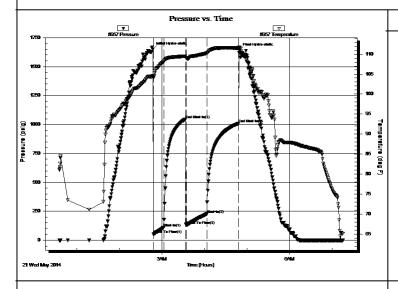
DDECCLIDE CLIMMADY

Time Off Btm:

2014.05.21 @ 04:49:00

TEST COMMENT: IF-BOB in 2 min

ISI-BOB in 19 1/2 min FF-BOB in 3 min FSI-BOB in 22 min



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

(Min.)	(psig)	(deg F)	
0	1650.90	104.56	Initial Hydro-static
2	2 52.61		Open To Flow (1)
16	110.94	108.11	Shut-In(1)
47	1045.14	109.43	End Shut-In(1)
48 129.94		109.07	Open To Flow (2)
77	227.40	110.21	Shut-In(2)
121	1009.23	111.49	End Shut-In(2)
123	1642.66	111.72	Final Hydro-static

Recovery

Description	Volume (bbl)
VGO 40%G 60%O	0.84
GO 20%G 80%O	7.01
620ft GIP	0.00
	VGO 40%G 60%O GO 20%G 80%O

Gas Rates

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

Trilobite Testing, Inc Ref. No: 58961 Printed: 2014.05.22 @ 11:56:58



TDI Inc.

13-12s-19w Ellis, KS

1310 Bison Rd Hays KS 67601 Stackhouse Ranch #1

Job Ticket: 58961

DST#: 1

ATTN: Herb Deines

Test Start: 2014.05.21 @ 00:35:00

#### **GENERAL INFORMATION:**

Formation: Toronto - KC "D"

Deviated: Whipstock: ft (KB)

Time Tool Opened: 02:48:00 Time Test Ended: 07:14:45

3446.00 ft (KB) To 3560.00 ft (KB) (TVD)

Total Depth: 3560.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: Brett Dickinson

Unit No: 59

Reference Elevations:

2208.00 ft (KB)

2200.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8934

Outside

Press@RunDepth:

psig @

3447.00 ft (KB)

2014.05.21

Capacity: Last Calib.: 8000.00 psig

2014.05.21

Start Date: Start Time:

Interval:

2014.05.21 00:35:05

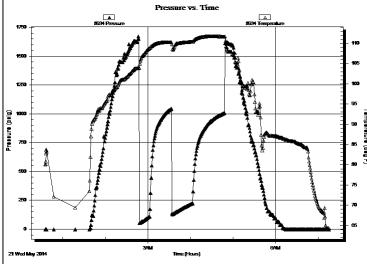
End Date: End Time:

07:14:44

Time On Btm: Time Off Btm:

TEST COMMENT: IF-BOB in 2 min

ISI-BOB in 19 1/2 min FF-BOB in 3 min FSI-BOB in 22 min



PRESSURE S	UMMARY
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_				
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
_				
mp ar				
Temperature (deg F)				
J				

#### Recovery

Description	Volume (bbl)
VGO 40%G 60%O	0.84
GO 20%G 80%O	7.01
620ft GIP	0.00
	VGO 40%G 60%O GO 20%G 80%O

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 58961 Printed: 2014.05.22 @ 11:56:58



**TOOL DIAGRAM** 

TDI Inc.

13-12s-19w Ellis, KS

1310 Bison Rd Hays KS 67601 Stackhouse Ranch #1

Job Ticket: 58961

DST#: 1

Final 48000.00 lb

ATTN: Herb Deines

Test Start: 2014.05.21 @ 00:35:00

**Tool Information** 

Drill Pipe: Length: 3435.00 ft Diameter: 3.80 inches Volume: 48.18 bbl Tool Weight: 2000.00 lb 2.70 inches Volume: - bbl Heavy Wt. Pipe: Length: ft Diameter: Weight set on Packer: 25000.00 lb Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 60000.00 lb Total Volume: - bbl Tool Chased 0.00 ft String Weight: Initial 45000.00 lb

Drill Pipe Above KB: 9.00 ft Depth to Top Packer: 3446.00 ft

Depth to Bottom Packer: ft

Interval between Packers: 114.00 ft Tool Length: 134.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3431.00		
Hydraulic tool	5.00			3436.00		
Packer	5.00			3441.00	20.00	Bottom Of Top Packer
Packer	5.00			3446.00		
Stubb	1.00			3447.00		
Recorder	0.00	8957	Inside	3447.00		
Recorder	0.00	8934	Outside	3447.00		
Perforations	3.00			3450.00		
Change Over Sub	1.00			3451.00		
Drill Pipe	95.00			3546.00		
Change Over Sub	1.00			3547.00		
Perforations	10.00			3557.00		
Bullnose	3.00			3560.00	114.00	Bottom Packers & Anchor

**Total Tool Length:** 134.00

Trilobite Testing, Inc Ref. No: 58961 Printed: 2014.05.22 @ 11:56:59



**FLUID SUMMARY** 

ppm

TDI Inc. 13-12s-19w Ellis,KS

1310 Bison Rd Hays KS 67601 Stackhouse Ranch #1

Water Salinity:

Job Ticket: 58961

DST#:1

ATTN: Herb Deines Test Start: 2014.05.21 @ 00:35:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 26 deg API

Mud Weight:9.00 lb/galCushion Length:ftViscosity:43.00 sec/qtCushion Volume:bbl

Water Loss: 7.98 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2300.00 ppm Filter Cake: inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
60.00	VGO 40%G 60%O	0.842
500.00	GO 20%G 80%O	7.014
0.00	620ft GIP	0.000

Total Length: 560.00 ft Total Volume: 7.856 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 58961 Printed: 2014.05.22 @ 11:56:59

65

70

75

80

85

90

Temperature (deg F)

95

100

Serial #: 8957

Inside

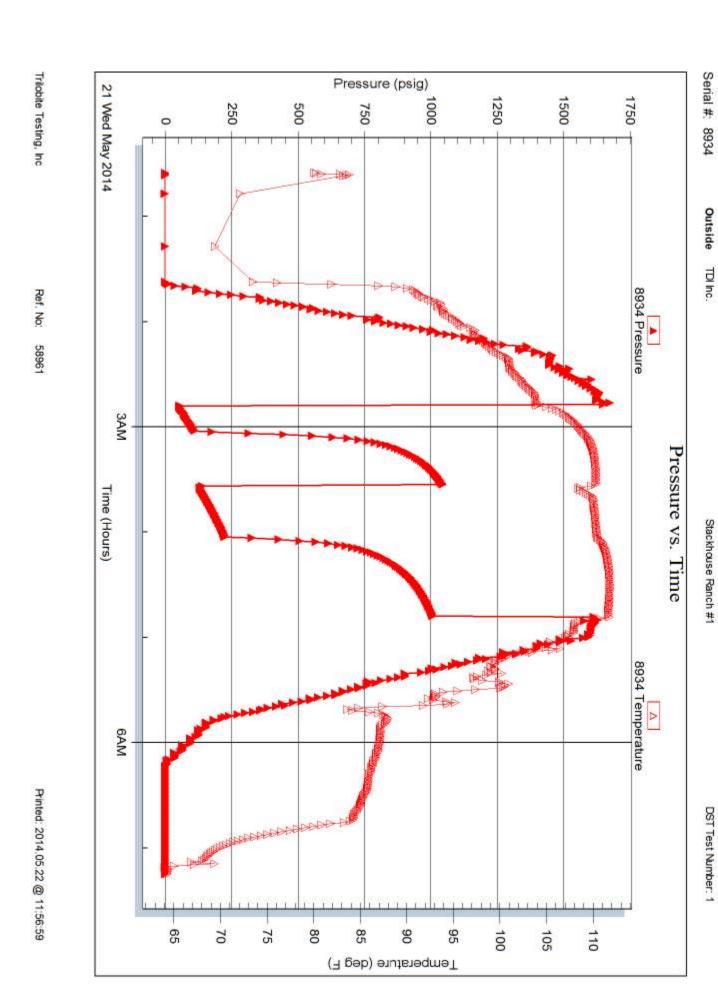
TDI Inc.

Stackhouse Ranch #1

DST Test Number: 1

110

105





Approved By

# RILOBITE ESTING INC.

**Test Ticket** 

No. 58961

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Stack house #1		Test No.	l	Date 5/21/1	4
Company 701 Inc				7	20g
Address 1310 Bison Rd Hogs KS					
Co. Rep / Geo. Herb D		Rig South	hwind #1		
Location: Sec. 13 Twp. 12 Rg					
Interval Tested 3446 - 3560			100		
Anchor Length 114	Drill Pipe Run _			Mud Wt. <u>88</u>	
Top Packer Depth 3 44/	Drill Collars Run	100 September 1		vis 43	
Bottom Packer Depth 3446	Wt. Pipe Run			WL 8.0	
Total Depth 3560	Chlorides 2			LCM	
Blow Description IF - BOB in 2 min	/		To		
757 - BOBin 19/2n					
FF - BOB in 3 mi			100		
FST - BOB . 22 m					
Rec 60 Feet of VG 6		40 %gas	60 %oil	%water	%mud
Rec_300 Feet of 60		20%gas	80 %il	%water	%mud
RecFeet of 62017 OTP		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total	avity 26	API RW	.@°F	Chlorides	ppm
(A) Initial Hydrostatic 1, 651	Test1150		T-On L	ocation _00:10	
6 ? (	Jars			ed 00:35	
(C) First Final Flow	Safety Joint	- T	T-Oper	2:48	( 
(D) Initial Shut-In 1, 045	Circ Sub		_	d 4:48	
(E) Second Initial Flow	Hourly Standby _		T-Out _		
(F) Second Final Flow	Mileage 30-7	tx2 93	Comm		
(G) Final Shut-In	Sampler			6:00 22md	
1 (117	Straddle			ined Shale Packer	
	Shale Packer			ined Packer	
Initial Open 15	Extra Packer		<b>J</b> 110	tra Copies	
30	Extra Recorder _		<u> </u>	otal 0	
3/1	Day Standby				
- U5	Accessibility			ST Disc't	
	ub Total 1243				2
			0	0 0	

Our Representative\_

**OPERATOR** 

Company: TDI, INC.

1310 BISON ROAD Address: HAYS, KANSAS 67601

TOM DENNING Contact Geologist: Contact Phone Nbr: 785-628-2593

STACKHOUSE RANCH # 1 Well Name: Location: SW SE NE NE Sec.13-12s-19w API: 15-051-26,676-00-00

Pool: **WILDCAT** Field: UNNAMED **KANSAS** State: Country: USA



Scale 1:240 Imperial

Well Name: STACKHOUSE RANCH # 1 Surface Location: SW SE NE NE Sec.13-12s-19w

**Bottom Location:** API:

15-051-26,676-00-00

1060' FNL & 360' FEL

License Number: 4787 Spud Date: 5/16/2014 Time: 1:30 PM Region: **ELLIS COUNTY Drilling Completed:** 5/22/2014 Time: 6:48 AM

Surface Coordinates:

**Bottom Hole Coordinates:** 

Ground Elevation: 2198.00ft K.B. Elevation: 2208.00ft

Logged Interval: 2500.00ft To: 3899.00ft

Total Depth: 3899.00ft

Formation: LANSING-KANSAS CITY Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES** 

Well Type: Vertical Longitude: -99.3723553 Latitude: 39.0129995

N/S Co-ord: 1060' FNL E/W Co-ord: 360' FEL

LOGGED BY



SOLUTIONS CONSULTING, INC. Company:

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: **GEOLOGIST** Name: HERB DEINES

CONTRACTOR

SOUTHWIND DRILLING, INC. Contractor:

Rig #:

**MUD ROTARY** 

Rig Type: 5/16/2014 Spud Date: TD Date: 5/22/2014

1:30 PM Time: Time: 6:48 AM 5/23/2014 Time: 4:00 AM Rig Release:

**ELEVATIONS** 

Ground Elevation: K.B. Elevation: 2208.00ft 2198.00ft

K.B. to Ground: 10.00ft

**FORMATION** 

**NOTES** 

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND RESULTS OF DST # 1

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

#### FORMATION TOPS COMPARISON CHART AND CHRONOLOGY OF DAILY ACTIVITY

STACKHOUSE RANCH #1	JOY # 1	GEORGE # 1
SW SE NE NE	SE SE NW NE	NW SW SE NW
SEC.13-12S-19W	SEC.13-12-19W	SEC.18-12-18W
2198'GL 2208'KB	KB 2218'	KB 2217'

LOG TOPS

LOG TOPS

Anhydrite	1535 +673	+ 669	+684
<b>B-Anhydrite</b>	1564 +644	+ 634	+650
Topeka	3220-1012	-1022	-1011

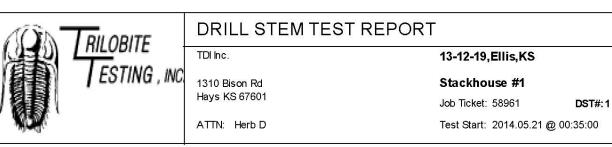
LOG TOPS

Heebner Sh.	3450-1242	-1251	-1242
Toronto	3468-1260	-1270	-1262
LKC	3494-1286	-1295	-1286
ВКС	3726-1518	-1528	-1532
Arbuckle	3818-1610	-1656	NR
RTD	3899-1691	-1682	-1683

#### **SUMMARY OF DAILY ACTIVITY**

5-16-14	RU, Spud 1:30 PM, set 8 5/8" surface casing to 223.51' w/ 150 sxs
	Common 2%Gel 3%CC, slope 1/2 degree, plug down 6:30 PM
5-17-14	495', drill plug 2:30 AM
5-18-14	2240', drilling
5-19-14	2910', drilling, displaced 3015' to 3039'
5-20-14	3350', CFS 3560', short trip, TOWB, DST #1 3446'-3560'
5-21-14	3560', drilling
5-22-14	3890', RTD 3899' @6:48AM, mini trip, TOWB, logs, TIWB, LDDP
5-23-14	3899', finish running production casing and cementing, RD

#### DST # 1 3446' TO 3560' TORONTO TO "D" LKC



GENERAL INFORMATION:

Formation: Toronto-KC "D"

Deviated: No Whipstock:

Time Tool Opened: 02:48:00

Time Test Ended: 07:14:45

Interval: 3446.00 ft (KB) To 3560.00 ft (KB) (TVD)

Total Depth: 3560.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

ft (KB) Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Reference Bevations: 2208.00 ft (KB)

2200.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8957 Inside

 Press@RunDepth:
 227.40 psig @

 Start Date:
 2014.05.21

 Start Time:
 00:35:05

3447.00 ft (KB) End Date: End Time:

Capacity:
2014.05.21 Last Calib.:
07:14:44 Time On Btm:

8000.00 psig 2014.05.21

Time On Btm: 2014.05.21 @ 02:46:45 Time Off Btm: 2014.05.21 @ 04:49:00

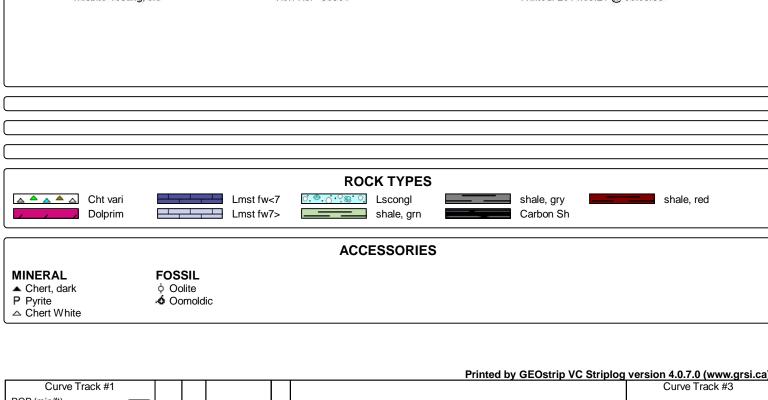
TEST COMMENT: IF-BOB in 2min

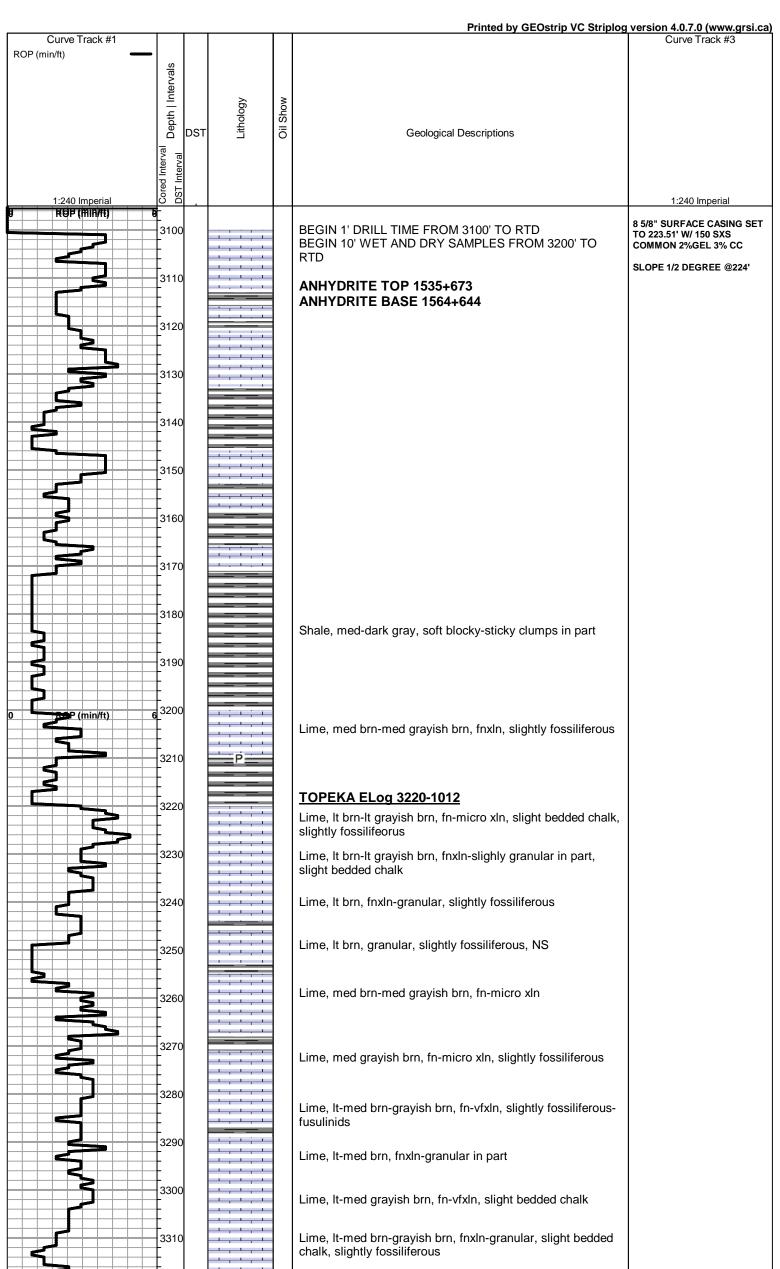
ISFBOB in 19 1/2min FF-BOB in 3min FSFBOB in

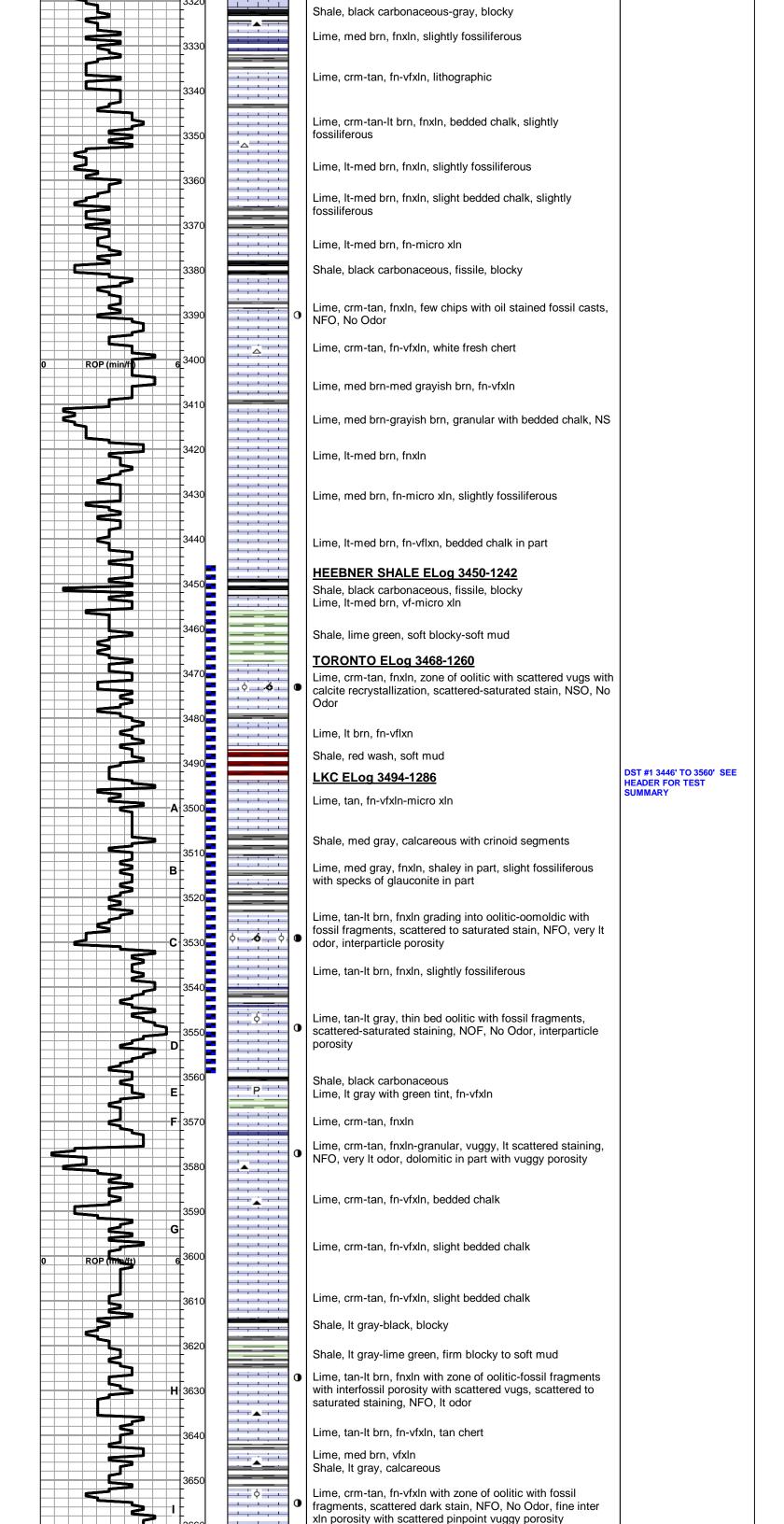
	vs. Time		PI	RESSUR	RE SUMMARY
1750 V 8957 Pressure	5957 Temperature	Time	Pressure	Temp	Annotation
	1	(Min.)	(psig)	(deg F)	
1700	1 1	. 0	1650.90	104.56	Initial Hydro-static
		2	52.61	104.17	Open To Flow (1)
120		16	110.94	108.11	Shut-In(1)
	95	47	1045.14	109.43	End Shut-In(1)
	90	48	129.94	109.07	Open To Flow (2)
770		<b>§</b> 77	227.40	110.21	Shut-In(2)
		121	1009.23	111.49	End Shut-In(2)
500	* * * * * * * * * * * * * * * * * * * *	<sup>3</sup> 123	1642.66	111.72	Final Hydro-static
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
270	70				
Tarfau(1)	05				
34M Wed May 2014 Time	GAM				

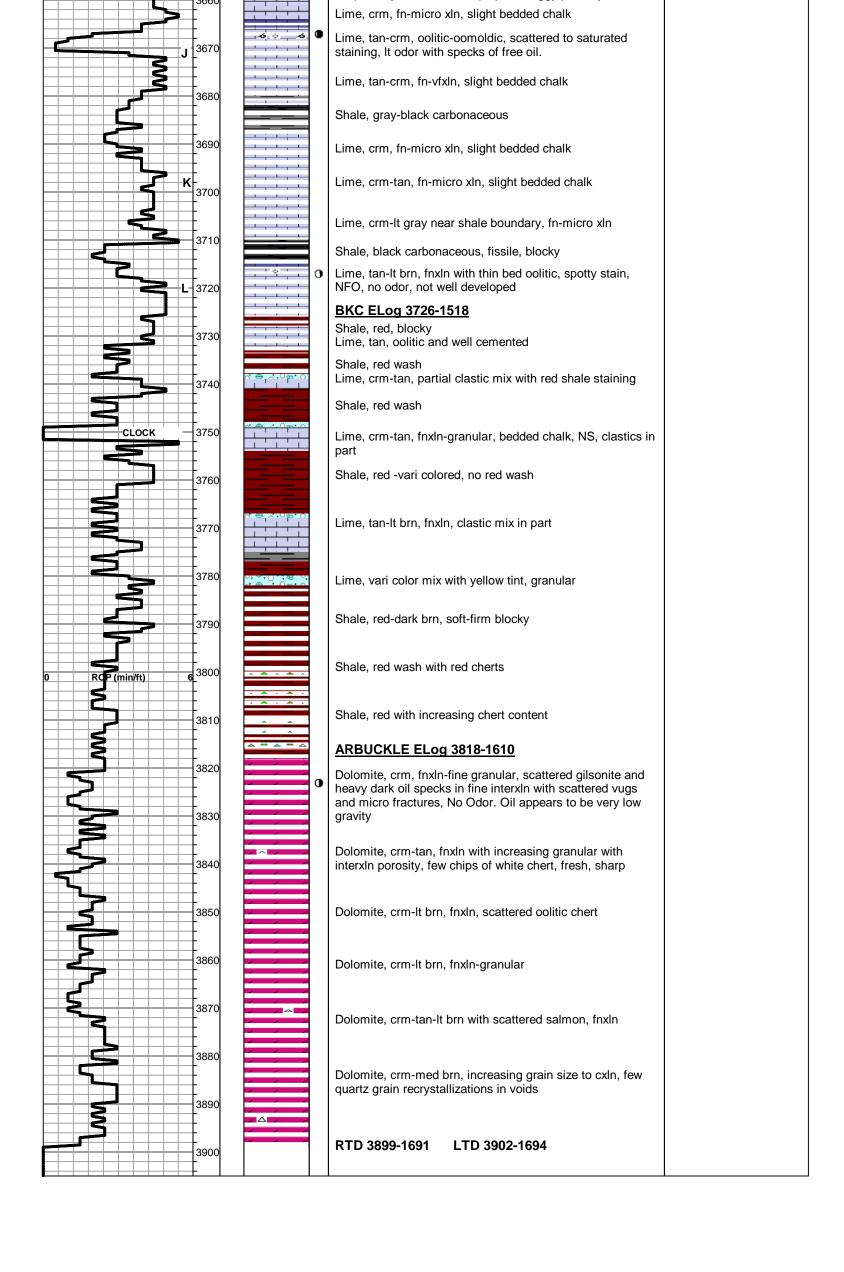
	Recovery			Gas Ra	ites	
Length (ft)	Description	Volume (bbl)		Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
60.00	VGO 40%G 60%O	0.84	2			
500.00	GO 20%G 80%O	7.01				
0.00	620ft GIP	0.00				

Trilobite Testing Inc Ref. No: 58961 Printed: 2014 05 21 @ 08:03:55









#### 1334

## GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD RUSSELL, KS 67665			SERVICE POINT:				
are not cash, payable	NUSSELL,	KS 07005			been established.	lactory ereful has	as delevered. If sales
DATE 5-16-14 Stake hou		TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START COUNTY	JOB FINISH STATE
LEASE Ranch	WELL #.	the madesu	LOCATION			FILIS	KS
OLD OR NEW (C	IRCLE ONE)	rea sali la to nana wax ul	Halling College Ballings	geste amounts out mus CLISTOMISK romes that	iall go deducted in cannob, OCL and	execes minicipal in	previously paint its CUSTOMER, For
					ad when due.	ng kan san sagnada	
CONTRACTOR SO	uthwind	) = (	Security will be one would	OWNER	pribessor to an		333 Z3830TTA
	rface	т	D.	CEMENT			the terms of this Co
	5/0		EPTH	CEMENT AMOUNT ORD	EPED 1505	ex com 3%	cc 2% ge,
TUBING SIZE	70		EPTH	AMOUNT ORD	ERED		3
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JOR	LOG

SWIFT Services, Inc.

DATE 5-22-14 PAGE NO.

CUSTOMER	TOI		WELL NO.		LEASE STACKHO	use RAM	JOB, TYPE 2-STAGE LOJGSTRAGE 25966
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	2230						ON LOCATION
	2330						START 5'2" CASDIG IN WELL
							TD-3899 SET = 3897 TP-3897 51/2#14
							ST-42' CENTENDEDS-1,3,4,6,8,10,11,56
							ONT BSKTS-2, 15, 57  DV TOOL - 1495' TOPT # 57
	0110	Ь	12	/		400	DROP BALL- COCCULATE ROPATE PUMP 500 GAL MUDFLUSH
THE REAL PLANS AND ENGINEERING CONTRIBUTIONS	0217	Ь	20	1			Pump 20 Bas KCL-FLUSH
***************************************	0220	41/2	36	1			MX CEMPIT - 150 SKS EA-2 @ 15,4 PPG
	0228						WASH OUT PUMP - LIDES
	0228						RELEASE IST STAGE LATTER DOWN PLUG
	0230	7	0	1			DISPURE PLUG
		61/2	65		\$10.00mm one open to the part of the part		SHUY OFF ROTAYE
	0245	Ь	94			1500	PLUE DOWN - PSEUP LATEN IN PLUE
And the American Control of th	0248						RELEASE PSI - HELD
	0255						DROP DV OPENENG PLUG
	0310			1		1300	OPED DU TOOL - GRECHURTE
	0310	6	20	1		350	PUMP 20 BRIS KCL-FLUSH
	0315		7-5				PWGRH (30sks) MH (20sks)
	0320	6	83	1		300	Max CEMENT - 150 SKS SMD @ 11,2 PP6
	0338						WASH OUT PUMP - LINES
	0338						RELEASE DV CLOSENG PLUG
	0340	61/2	0	V			DZEPLACE PLUG
	0345	5	361/2			1500	PLUG DOWN - PSE UP CLOSE DU TOOL
	0350					1	RELEASE PST - HELS
							CARCHATED 35 SKS CEMENT TO PET
							WASH TRUCK
	0430						JOB COMPLETE
							WAYE DAVE E, JOHUT.
							WAWE DAVE E, JOHUT.