Confidentiality Requested: Yes No

Spud Date or Recompletion Date

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

1161869

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:					
Address 2:	Feet from Dorth / South Line of Section				
City: State: Zip:+	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()					
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation: Kelly Bushing:				
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW					
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan				
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)				
	Chloride content: ppm Fluid volume: bbls				
Commingled Permit #:	Dewatering method used:				
Dual Completion Permit #: SWD Permit #:	Location of fluid disposal if haulad offeita:				
ENHR Permit #:	Location of fluid disposal if hauled offsite:				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
	QuarterSec TwpS. R East West				

County:

AFFIDAVIT

Date Reached TD

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.

Completion Date or

Recompletion Date

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:

_ Permit #:_____

	Page Two	1161869
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	ical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ne				
		Report all strings set-c	onductor, surface, inte	rmediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
	1		1				

Perforate	Top Bottom		
Protect Casing			
Plug Back TD			
Perforate Protect Casing Plug Back TD Plug Off Zone			

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

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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	I Producti	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITI	SITION OF GAS: METHOD OF COMPLE			TION:		PRODUCTION INT	FERVAL:			
Vented Solo	Sold Used on Lease Open Hole Perf. Dually C									
(If vented, Su	ıbmit ACO)-18.)		Other <i>(Specify)</i>		(Submit /	,	(Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	HAGER TRUST 2-35
Doc ID	1161869

All Electric Logs Run

DEN-NEUT
NDUCTION
MICRO
SONIC
SPECTRAL

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

October 08, 2013

CLAYTON CAMOZZI Samuel Gary Jr. & Associates, Inc. 1515 WYNKOOP, STE 700 DENVER, CO 80202

Re: ACO1 API 15-137-20655-00-00 HAGER TRUST 2-35 NW/4 Sec.35-04S-23W Norton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, CLAYTON CAMOZZI



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net Date: 6/18/2013 Invoice # 6925

P.O.#:

Due Date: 7/18/2013 Division: Russell

Invoice

RECEIVED

JUN 25 2013

SAMUEL GARY JR.

& ASSOCIATES, INC.

Contact: Samuel Gary Jr & Associates Inc Address/Job Location: Samuel Gary Jr & Associates Inc 1815 11th Street Great Bend, KS 67530

Reference: HAGER TRUST 2-35

Description of Work: LONG SURFACE JOB

LONG SURFACE JOB			
Services / Items Included:	Quantity	Price	Taxable
Labor		\$ 977,42	No
Common-Class A	275	\$ 3,691.35	Yes
8 5/8" Basket	2	\$ 676.51	Yes
Bulk Truck Matl-Material Service Charge	291	\$ 622,99	No
Calcium Chloride	10	\$ 510,16	Yes
Pump Truck Mileage-Job to Nearest Camp	51	\$ 544,82	No
Bulk Truck Mileage-Job to Nearest Bulk Plant	51	\$ 318.81	No
8 5/8" Centralizer	2	\$ 137.01	Yes
8 5/8" Top Rubber Plug	1	\$ 113.46	Yes

6

1

	Premium Gel (Bentonite)
	Baffle Plate Aluminum, 8 5/8"
Invoice Terms	<u>s:</u>

Thank You For Your Business!

Net 30

Account	COMP W/O LOE
Well/Prospect	1
Deck	
AFE	1
Approval	Au - I

	Price	Taxable	Item Quantity		Price	Taxabl
\$	977,42	No				
\$	3,691.35	Yes				
\$	676.51	Yes				
\$ \$	622,99	No				
	510.16	Yes				
\$	544.82	No				
\$	318.81	No				
\$	137.01	Yes				
\$	113.46	Yes				
\$	104.56	Yes				
\$	96.34	Yes				
			SubTota	1: \$	7,793.45	
	Discol	unt Av	ailable <u>ONLY</u> if Invoice is Paid & Receive within listed terms of invoice		(1,169.02)	
<u></u>			SubTota! for Taxable Item	s: \$	4,529.99	50
			SubTotal for Non-Taxable Item	s: \$	2,094.44	-
			Tota	ıl: \$	6,624.43	
		7.05%	Norton County Sales Tax Tax	x: \$	319.36	
			Amount Due	e: \$	6,943.79	-
			Applied Payments	S:		
			Balance Due	e: \$	6,943.79	
•	ual rate c	of 24%)				

Past Due Invoices are subject to a service charge (annual rate of 24% This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

QUAI	ITY OILWE	ELL CEMENTING, INC. Tax I.D.# 20-2886107					
Phone 785-483-2025 Cell 785-324-1041		D. Box 32 Russell, KS 67665 No. 6925					
Date 6-18-13	Sec. Twp. Range	County State On Location Finish					
10.5		ocation Norton + Hw/9+283.3N Einto					
ease Nager T	UST Well No. 2-35	- Owner					
1983	R	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish					
Type Job Sir face		cementer and helper to assist owner or contractor to do work as listed.					
Hole Size 12/4	T.D. 563	Charge Sam Gard Jr & Associates					
Csg. 85/8	Depth 562	Street					
Tbg. Size	Depth	City State					
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contracto					
Cement Left in Csg. 4	86 Shoe Joint 41,86	Cement Amount Ordered 275 Com 3º/04 21/0462					
Vleas Line	Displace 33BC						
	QUIPMENT	Common 275					
Pumptrk () No. Cemen	ier craia	Poz. Mix					
Bulktrk No. Driver	Carl	Gel. 6					
Bulktrk No. Driver	Playton	Calcium //					
	VICES & REMARKS	Hulls					
Remarks:		Salt					
Rat Hole		Flowseal					
Viouse Hole		Kol-Seal					
Centralizers		Mud CLR 48					
Baskets		CFL-117 or CD110 CAF 38					
D/V or Port Collar		Sand					
85/8 on hotta	n. Est inculation.	Handling 29/					
M'V 22 SV & C	Service Ann.	Mileage					
R. HOP DI 20 5021	2510	FLOAT EQUIPMENT					
Daven Their Scif	1 [Guide Shoe 85/8					
PMent	restated	Centralizer					
		Baskets 2					
		AFU Inserts Dihher Plug					
		Float Shoe Raffle Date					
- 17 - 11 - 11 - 11 - 11 - 11 - 11 - 11		Latch Down					
	1.A						
		Pumptrk Charge Long Surface					
		Mileage 5/					
	. 1	Tax					
1 1	1 Var	Discount					
	mun	Total Charge					



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Invoice

Date: 6/25/2013 Invoice # 7955

P.O.#:

Due Date: 7/25/2013 Division: Russell

Contact: Samuel Gary Jr & Associates Inc Address/Job Location: Samuel Gary Jr & Associates Inc 1815 11th Street Great Bend, KS 67530

Reference:

HAGER TRUST 2-35

Description of Work: PROS LONG STRING

JUL 0 3 2013 SAMUEL GARY JR. & ASSOCIATES, INC.

\Box DRLG \Box CC	MP W/O LOE GG
Account	8,300. 238
Well/Prospect	
Deck	
AFE	$\bigcirc \circ$
Approval	Alla
Description	- And -
	.00

Services / Items Included:	Quantity		Price	Taxable
Labor	-	\$	1,530.82	No
mon, MetsoBeads, Plater, Gel, FloSeal, Calcium)	300	\$	6,410.82	Yes
5 1/2" Triplex Shoe	1	\$	1,296.47	Yes
5 1/2" Basket	4	\$	1,028.24	Yes
Bulk Truck Matl-Material Service Charge	300	\$	670,59	No
Pump Truck Mileage-Job to Nearest Camp	51	\$	568.86	No
5 1/2" Turbolizer	7	\$	453,76	Yes
Mud Clear	500	\$	413.53	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	51	\$	332,88	No
Latch Down Plug & Baffle, 5 1/2"	1	\$	250.35	Yes
Flo Seal	75	\$	167,65	Yes
Invoice Terms:				
Net 30			Disco	unt Ava
		_		

ltem		Quantity	Price	Taxable
	5 1/2" Limit Clamps	1	\$33.53	Yes

¢ 161.66 1.63	
SubTotal:	\$ 13,157.50
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (1,973.63)
SubTotal for Taxable Items:	\$ 8,546.20
SubTotal for Non-Taxable Items:	\$ 2,637.68
Total:	\$ 11,183.87
7.05% Norton County Sales Tax Tax:	\$ 602.51
Amount Due:	\$ 11,786.38
Applied Payments:	
Balance Due:	\$ 11,786.38
ge (annual rate of 24%)	

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24% This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

Phone 785-483-2025	Hom	e Office	P.O. Box 3	2 Rus	sell, KS 67665	No.	7955	
Cell 785-324-1041	Twp.	Range	Count	v	State	On Location	Finish	
Date 6 25-13 35	4)	3	Norto		KS .		3:455	
Date W do - 1-1-1-3	1 lette	_		421 6	7 + Norten =	N HES		
ease Hager Trust	Well	No. 2.3					4	
X		110.2	To C	uality O	ilwell Cementing, In	C.	at and furnish	
Type Job Production Stri			You cem	are nere enter an	d helper to assist of	nt cementing equipment wher or contractor to c	to work as listed	
Hole Size 778	T.D. 39.	-D	Cha	rge <	am Coul	Jr & Asso	C.	
Sig_5/7 15.50#	Depth / 9		Stre	ot	<u>an - 47</u>	<u> </u>		
Tbg. Size	Depth	8	City	<u> </u>		State		
Fool	Depth			above wa	as done to satisfaction	and supervision of owne	er agent or contrac	
Cement Left in Csg. 33.11	Shoe Joint	221			ount Ordered 20		Flo	
Meas Line	Displace 4					500aal	mud Clear	
	PMENT			nmon 🗲	soo moc			
Pumptrk 1 7 No. Cementer	aig			. Mix				
Bulktrk No. Driver	Ŷ √		Gel					
Bulktrk / 2 No. Driver	NEm-		Cal	cium				
JOB SERVICE		s	Hul	s		C		
Remarks:			Sal					
Rat Hole 305K				Flowseal 75 #				
Mouse Hole 155K			Kol	-Seal		2		
Centralizers				d CLR 4	\$500 Get)		
Baskets					CD110 CAF 38			
D/V or Port Collar	"Cartas		Sa		100			
A 141	62: th 5	DSK		ndling	and an and the second	Pro-		
Tainex corp 1008	Fxx C	wilat	- A. (21)	eage	100	A STATISTICS		
Set Shap Runs 5	BRUCE MA	alt.		Ž	FLOAT EQUI	PMENT	14 C	
10BL SDarp. Buren	IN	er mor		ide Shoe	512	ALL DATE		
Compat 51/2 with 2	1551-1). 5 (00	and the state of t	ntralizer	7 Turboli	zals	1	
P.Wa. Pho Louis	DA DA	200.16	(.). Ba	skets	4 Reskets	Wratherbar		
Palente Prastille Day	1	80 81 10300	AF	L Insert	= 1 Stap Rin	a a sea b		
person yapping of	2	1		at Shoe	The Diex 3	The		
Propriet	revlate	005	Lat	ch Dowr		10 ALC: 10	X85	
- Africa Ca					d 10			
	1/10/453	1 and 1	B Park	100	1 2 Dr	Contraction of the second	1.1	
	AND DECEMBER OF STREET		Pu	mptrk Cl	narge prod	Loing String		
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		e de sine stru	1	17-5		Ta	ax	
-	× 1	~				Discou	nt	
X Signatore	111	1		_		Total Charg	je	

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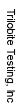
RILOBITE	DRILL STEM TES		ORT				
	Samuel Gary Jr. & Associates,	Inc.	35/	/4s/23w	Norton	KS	
ESTING , INC.	1515 Wynkoop St. STE 700		На	ger Tru	st #2-3	5	
	Denver, CO 80202		Job	Ticket: 52	2752	DST	ſ#: 1
	ATTN: Clayton Camozzi		Tes	st Start: 20	013.06.2	2 @ 21:04:0	0
GENERAL INFORMATION:							
Formation: Toronto - Upper LK Deviated: No Time Tool Opened: 23:13:00 Time Test Ended: 04:41:45	С ft (КВ)		Tes	ster:	Conventi James W 57		Hole (Initial)
Interval:3397.00 ft (KB) To34Total Depth:3445.00 ft (KB) (T\Hole Diameter:7.88 inches Hole	(D)		Ref	erence Ele	evations: to GR/CF	2289	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8671InsidePress@RunDepth:95.94 psigStart Date:2013.06.22Start Time:21:04:05TEST COMMENT:5 - IF: Blow built	End Date: End Time:	2013.06.23 04:41:44	Capacity Last Cali Time On Time Off	ib.: Btm:		8000 2013.06 22 @ 23:12 23 @ 02:50	:45
60 - ISI: No blow 30 - FF: Blow bu 120 - FSI: No blo Pressure vs. T	ilt to BOB (11") in 29 min. <i>w</i> back		D	RESSUF			
8671 Pressure	8671 Temperature	Time	Pressure	Temp			
1750	ana − 100 Antal Hydro-static	(Min.)	(psig)	(deg F)			
		0	1671.06 24.04	99.08 98.07		ydro-static o Flow (1)	
		6	42.83	99.00			
		65	1062.18		End Sh		
		66 95	51.11 95.94	98.72 99.75		o Flow (2)	
		217 218	603.04 1653.31	99.73 99.46 99.73	End Sh	. ,	
0 0 0 0 0 0 0 0 0 0 0 0 0 0	зам						
Recovery				Ga	s Rates	5	
Length (ft) Description	Volume (bbl)			Choke (inches) P	ressure (psig)	Gas Rate (Mcf/d)
67.00 Watery Mud 51%m, 49%	w 0.67			-+	I		-
63.00 MCW 70%w , 30%m	0.88						
30.00 WCM 64%m, 36%w	0.42						
0.00 Sampler: 140 PSI 700 mL	W 400 mL M 0.00						

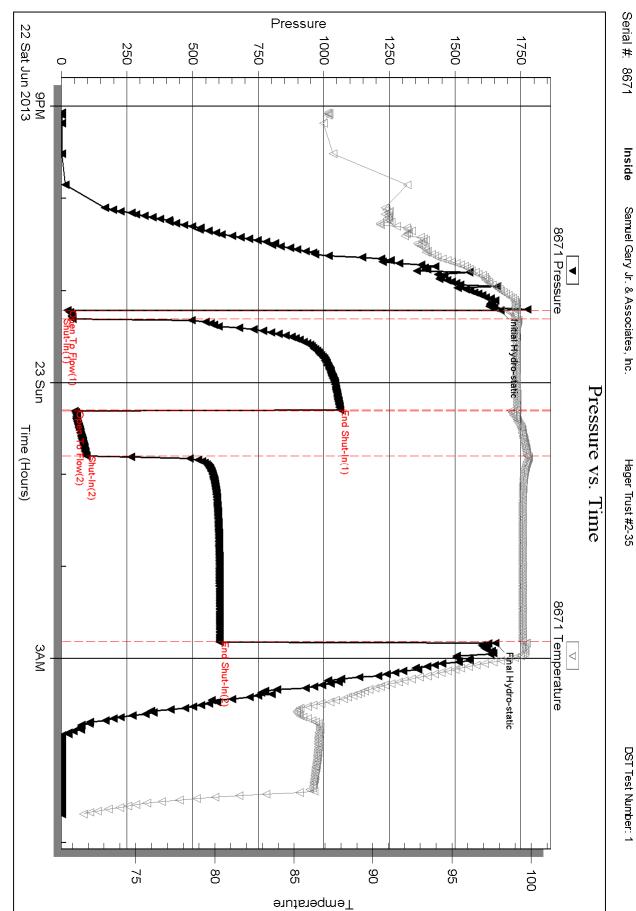
	DRILL STEM TE	ST REP	ORT			
HILUDITE	Samuel Gary Jr. & Associates	Inc.	35/4s/23w	Norton K	S	
ESTING , INC	1515 Wynkoop St. STE 700 Denver, CO 80202		Hager Tro Job Ticket:		DST#:1	
	ATTN: Clayton Camozzi			2013.06.22 @	_	
GENERAL INFORMATION:						
Formation:Toronto - Upper LDeviated:NoWhipstock:Time Tool Opened:23:13:00Time Test Ended:04:41:45	∢C ft (KB)		Test Type: Tester: Unit No:	Convention James Wind 57	al Bottom Hole der	e (Initial)
Interval:3397.00 ft (KB) To3Total Depth:3445.00 ft (KB) (THole Diameter:7.88 inches Hole			Reference I KE	∃evations: 3 to GR/CF:	2297.00 2289.00 8.00	ft (CF)
Serial #: 8366FluidPress@RunDepth:psigStart Date:2013.06.22Start Time:21:04:05	@ 3364.00 ft (KB)End Date:End Time:	2013.06.23 04:43:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2013.06.23	psig
TEST COMMENT: 5 - IF: Blow built 60 - ISI: No blow 30 - FF: Blow built 120 - FSI: No blow Pressure vs.	back uilt to BOB (11") in 29 min. w back		DDEOOL			
8386 Pressure 8386 Pressure	Lime 8366 Temperature	Time	PRESSU Pressure Temp	JRE SUMN		
e e e e e e e e e e e e e e		(Min.)	(psig) (deg F			
Recovery				ias Rates		
Length (ft) Description	Volume (bbl)				ure (psig) Gas	s Rate (Mcf/d)
67.00 Watery Mud 51%m, 49%	6w 0.67		Į	Į	Į	
63.00 MCW 70%w , 30%m	0.88					
30.00 WCM 64%m, 36%w	0.42					
0.00 Sampler: 140 PSI 700 m	_ W 400 mL M 0.00					

. () 🖛 🖓 H	RILOB	ITE		LL STEM TEST REPOR			LUID SUMMAR	
武		ING , INC.	Samue	l Gary Jr. & Associates, Inc.	35/4s/23w	Norton KS		
	 E011	ING , ING.	1515 Wynkoop St. STE 700 Denver, CO 80202		Hager Trust #2-35 Job Ticket: 52752 DST#:1			
			ATTN:	Clayton Camozzi		2013.06.22 @ 21:0	04:00	
/lud and Cu	shion Info	ormation						
	el Chem 9.00 lk 49.00 s	b/gal		Cushion Type: Cushion Length: Cushion Volume:	ft bbl	Oil API: Water Salinity:	deg AP 22500 ppm	
Vater Loss: Resistivity: Salinity: Filter Cake:	7.97 ir o 300.00 p 1.00 ir	ohm.m opm		Gas Cushion Type: Gas Cushion Pressure:	psig			
Recovery In								
-				Recovery Table				
		Length ft	า	Description	Volume bbl			
			67.00	Watery Mud 51%m, 49%w	0.66			
			63.00 30.00	MCW 70%w , 30%m WCM 64%m, 36%w	0.88			
			0.00	Sampler: 140 PSI 700 mL W 400 mL M	0.00			
	Tot	tal Length:	160	0.00 ft Total Volume: 1.972 bb	bl			
	100							
	Nur Lat	m Fluid Sample boratory Name	e:	Num Gas Bombs: 0 Laboratory Location:	Serial #	#:		
	Nur Lat	m Fluid Sample boratory Name	e:			#:		
	Nur Lat	m Fluid Sample boratory Name	e:	Laboratory Location:		# :		
	Nur Lat	m Fluid Sample boratory Name	e:	Laboratory Location:		# :		
	Nur Lat	m Fluid Sample boratory Name	e:	Laboratory Location:		#:		
	Nur Lat	m Fluid Sample boratory Name	e:	Laboratory Location:		#:		
	Nur Lat	m Fluid Sample boratory Name	e:	Laboratory Location:		#:		
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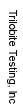
Ref. No: 52752

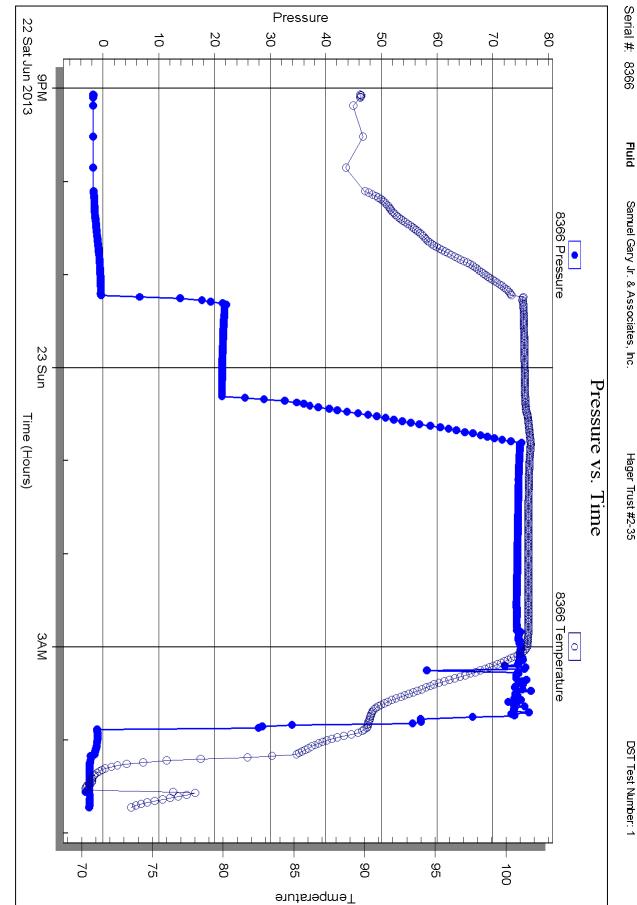




Printed: 2013.06.25 @ 08:57:13

Ref. No: 52752





Samuel Gary Jr. & Associates, Inc.

Hager Trust #2-35

DST Test Number: 1

RILOBITE -	Samuel Gary Jr. & Associates	, Inc.	35	/4s/23w	Norton K	S	
ESTING , INC.	1515 Wynkoop St. STE 700 Denver, CO 80202			g er Tru s Ticket: 52		DST#:2	,
	ATTN: Clayton Camozzi				2755 013.06.23 @	_	2
GENERAL INFORMATION:							
Formation: Gorham Sand Deviated: No Whipstock: Time Tool Opened: 01:01:15 Time Test Ended: 06:50:30	ft (KB)		Tes	ster:	Conventiona James Winc 57	al Bottom Ho der	le (Reset)
Interval: 3659.00 ft (KB) To 369 Total Depth: 3699.00 ft (KB) (TV) Hole Diameter: 7.88 inches Hole	D)		_	erence Ele	-	2297.00 2289.00 8.00	ft (CF)
						0.00	
Serial #: 8671 Inside Press@RunDepth: 398.02 psig @ Start Date: 2013.06.23 Start Time: 23:15:05	 3660.00 ft (KB) End Date: End Time: 	2013.06.2 06:50:2		ib.: Btm:		8000.00 2013.06.24 @ 01:00:15 @ 04:27:30	
Pressure vs. Tir 871 Pressure	S671 Temperature	Time	Pressure		RE SUMM		
3671 Pressure	8671 Temperature	Timo	Proceure	Temp	Annotati	on	
	Patel Hydro-static -	(Min.)	(psig) 0 1873.60	(deg F)			
	- 100	(Min.)	(psig) 0 1873.60 1 96.40 6 159.64	(deg F) 102.02 101.89 103.56	Initial Hydr Open To F Shut-In(1)	ro-static Flow (1)	
		(Min.)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73	(deg F) 102.02 101.89 103.56 102.96 102.66	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	ro-static Flow (1) In(1) Flow (2)	
		(Min.)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
1000 1200		(Min.) Temperature (deg 5)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96 102.66 103.87 103.28	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
1000 1200		(Min.) Temperature (deg 5)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96 102.66 103.87 103.28 103.47	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
1000 1000	об С С С С С С С С С С	(Min.) Temperature (deg 5)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96 102.66 103.87 103.28 103.47	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	ro-static Flow (1) In(1) Flow (2) In(2) ro-static	as Rate (Mcf/d)
1000 1000	остания	(Min.) Temperature (deg 5)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96 102.66 103.87 103.28 103.47	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	ro-static Flow (1) In(1) Flow (2) In(2) ro-static	as Rate (Mcf/d)
1000 1200	Volume (bbl) 0.36 6.45	(Min.) Temperature (deg 5)	(psig) 0 1873.60 1 96.40 6 159.64 5 935.32 6 168.73 5 398.02 6 927.93	(deg F) 102.02 101.89 103.56 102.96 102.66 103.87 103.28 103.47	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydr	ro-static Flow (1) In(1) Flow (2) In(2) ro-static	as Rate (Mcf/d)

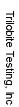
		DRILL STEM TES	ST REPO	ORT		
	RILOBITE	Samuel Gary Jr. & Associates, Inc.		35/4s/23w Norton KS		
	ESTING , INC.	1515 Wynkoop St. STE 700		Hager Tr	ust #2-35	
	-	Denver, CO 80202		Job Ticket:		DST#:2
		ATTN: Clayton Camozzi		Test Start:	2013.06.23 @	23:15:00
GENERAL I	NFORMATION:					
Formation: Deviated: Time Tool Oper Time Test Ende		ft (KB)		Test Type: Tester: Unit No:	Conventiona James Wind 57	al Bottom Hole (Reset) Ier
Interval: Total Depth: Hole Diameter:	3659.00 ft (KB) To 36 3699.00 ft (KB) (T\ 7.88 inchesHole	/D)		Reference I KE	∃evations: 3 to GR/CF:	2297.00 ft (KB) 2289.00 ft (CF) 8.00 ft
Serial #: 8: Press@RunDe Start Date: Start Time: TEST COMM	Pth: psig 2013.06.23 23:15:05 MENT: 5 - IF: Blow built 60 - ISI: Blow bac	End Date: End Time: to BOB (11") in 2 min. sk built slow ly to 1/2" then died off	2013.06.24 06:52:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.06.24
		ilt to BOB in 2 1/2 min. surface blow back occasionally ime	Time			
40 40 40 40 40 40 40 40 40 40	Jan			Pressure Temp (psig) (deg F		on
	Recovery			G	as Rates	
Length (ft)	Description	Volume (bbl)		Chok	e (inches) Pressu	ure (psig) Gas Rate (Mcf/d)
45.00	WCM 87%m, 13%w	0.36				
460.00	SMCW 92%w , 8%m	6.45				
300.00	MCW W/trace oil 72%w, Sampler = 2500 mL W 41					
* Recovery from mul	tiple tests					
Trilobite Tes		Ref. No: 52753	1	Drinto	d: 2013.06.25	@ 00-56-17

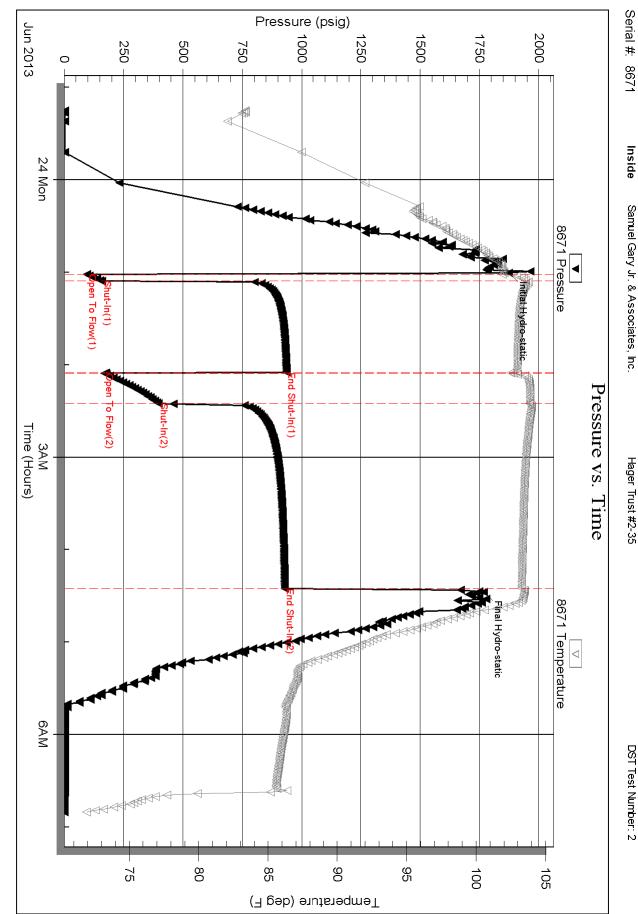
Trilobite Testing, Inc

	RILOBITE	TF 🛛	DRILL STEM TEST REPORT FLUID SUMMARY					
第二			Samue	l Gary Jr. & Associates, Inc.		35/4s/23w	Norton KS	
I ESTING		ESTING , INC.	, INC 1515 Wynkoop St. STE 700 Denver, CO 80202 ATTN: Clayton Camozzi			Hager Tru	ust #2-35	
						Job Ticket: {		DST#:2
						Test Start: 2013.06.23 @ 23:15:00		
lud and Cu	shion Info	rmation						
lud Type: Ge	el Chem			Cushion Type:			Oil A PI:	deg API
lud Weight:	9.00 lb/	aal		Cushion Length:		ft	Water Salinity:	23000 ppm
iscosity:	70.00 se	-		Cushion Volume:		bbl		F
ater Loss:	7.95 in ³	-		Gas Cushion Type:				
esistivity:		nm.m		Gas Cushion Pressure:		psig		
alinity:	800.00 pp	m				1 0		
lter Cake:	1.00 inc							
ecovery Inf	formation							
				Recovery Table				
	Γ	Lengt	h	Description		Volume	7	
		ft				bbl		
	_		45.00	WCM 87%m, 13%w		0.35	8	
			460.00	SMCW 92%w , 8%m		6.45	3	
		4	+00.00	SIVICVV 9270W, 070111				
	_		400.00 300.00	MCW W/trace oil 72%w , 28%m		4.208	8	
	-							
	Tota		300.00 0.00	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI	11.019 bbl	4.208		
		l Length:	300.00 0.00 805	MCW W/trace oil 72%w, 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume:	11.019 bbl	4.200	D	
	Num	I Length:	300.00 0.00 805 les: 0	MCW W/trace oil 72%w, 28%m Sampler = 2500 mL W 410 PSI 0.00 ft Total Volume: Num Gas Bombs:	11.019 bbl 0	4.208	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 e:	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI .00 ft Total Volume: Num Gas Bombs: Laboratory Location:	11.019 bbl 0	4.203 0.000 Serial #	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI .00 ft Total Volume: Num Gas Bombs: Laboratory Location:	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	
	Num Labo	I Length: I Fluid Samp pratory Nam	300.00 0.00 805 les: 0 le: nents: RV	MCW W/trace oil 72%w , 28%m Sampler = 2500 mL W 410 PSI 5.00 ft Total Volume: Num Gas Bombs: Laboratory Location: W = .294 ohms @ 71.9 deg F Chlo	11.019 bbl 0 prides = 2300	4.203 0.000 Serial # 0 ppm	D	



Ref. No: 52753





Inside

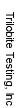
Samuel Gary Jr. & Associates, Inc.

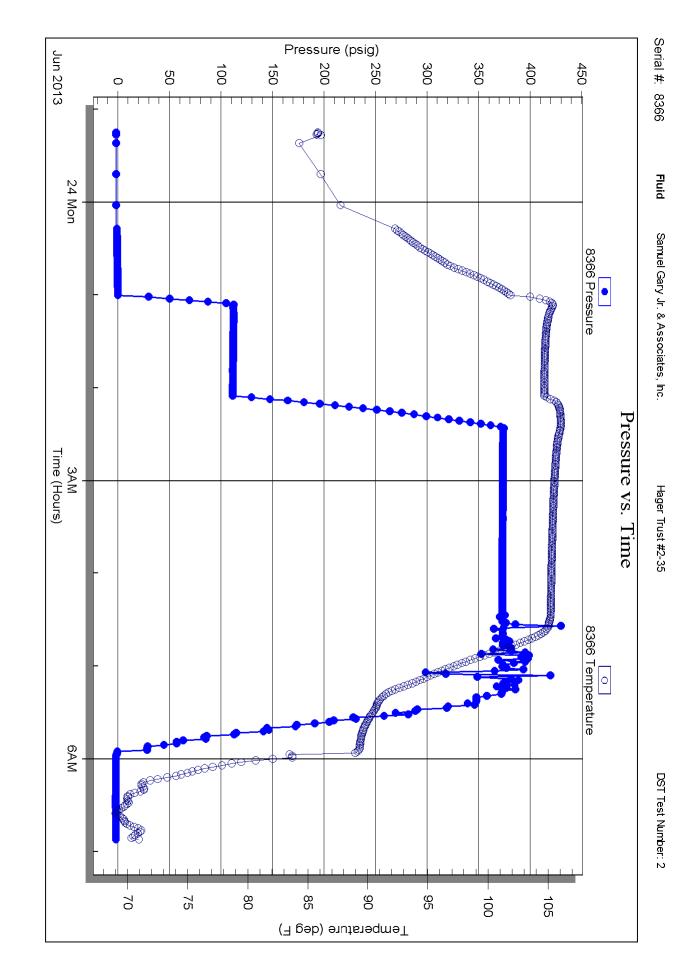
Hager Trust #2-35

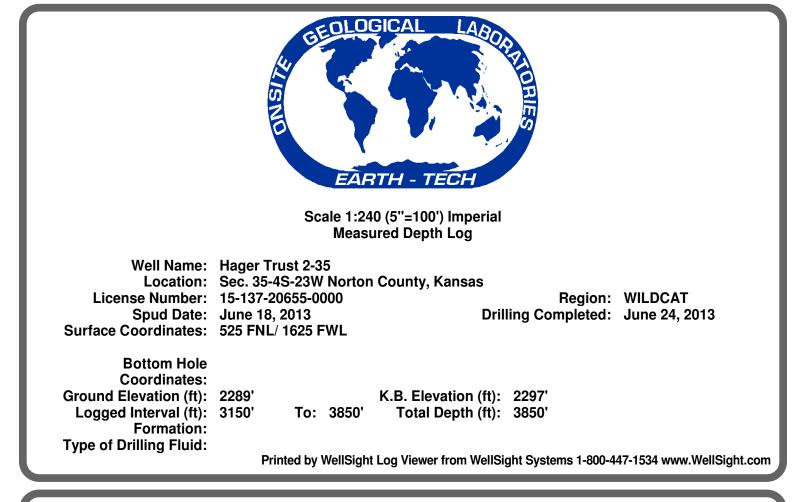
DST Test Number: 2

Printed: 2013.06.25 @ 08:56:19

Ref. No: 52753







OPERATOR

Company: Samuel Gary Jr. & Assoc. Address: 1515 Wynkoop, Ste. # 700 Denver, Colo. 80202 Geo: Clayton Camozzi

GEOLOGIST

Name: Aaron Suelter Company: Earth Tech OGL, Inc. Address: PO Box 683 Hooker, Okla . 73945 Off. 888-543-8378 Cell: 620-600-0777

DST's Report

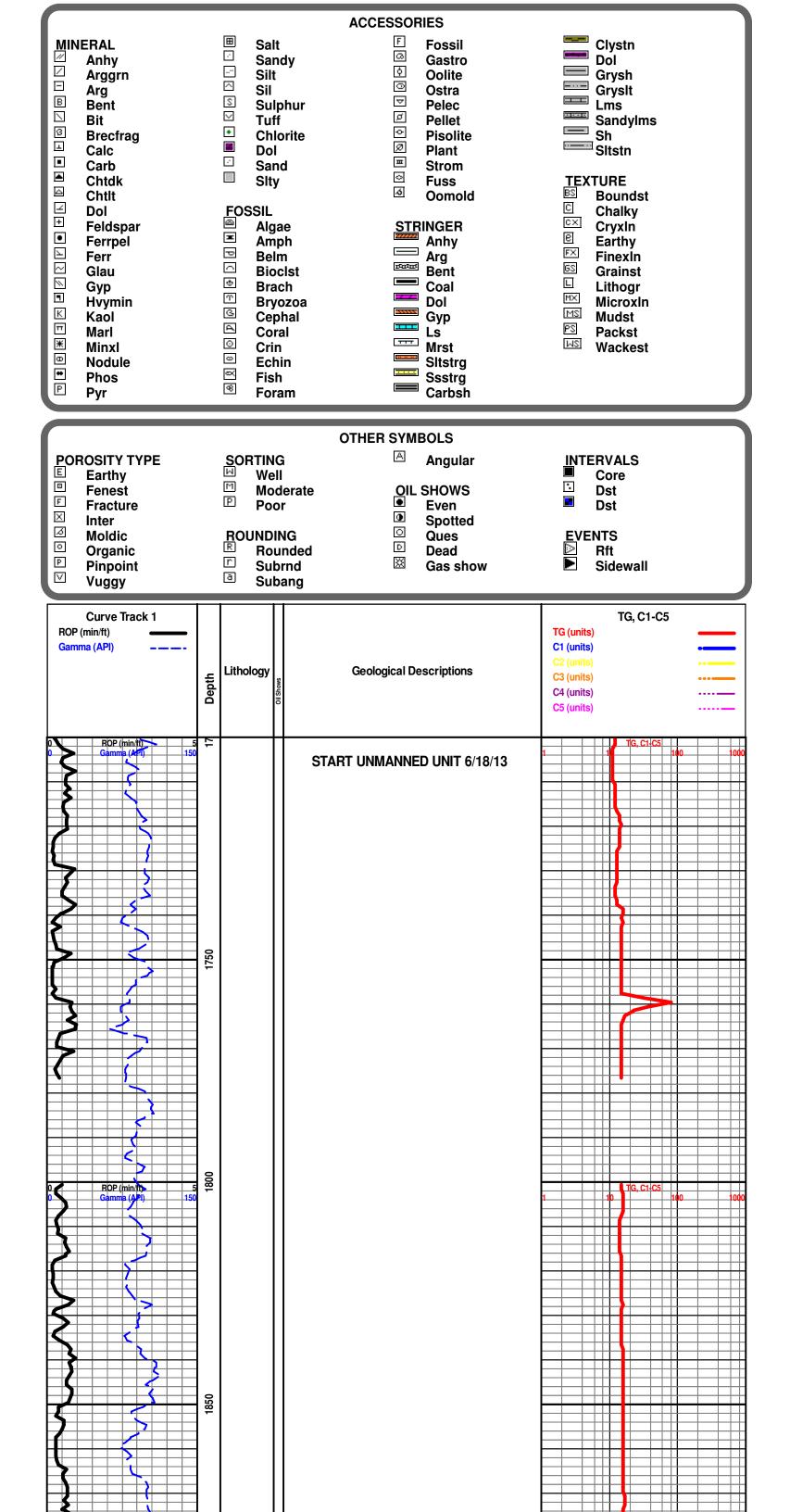
DST#1 3397'-3445' 5 60 30 120 IF- BLOW BUILT TO 3 1/4 / ISI- NO BLOW/ FF- BLOW BUILT TO BOB IN 11" IN 29 MINS/ FSI- NO BLOW IH- 1671, FH- 1653/ IF- 24 TO 51/ FF- 43 TO 96/ ISI- 1062, FSI- 603 RECOVERY- 30' WCM 36% WATER, 64% MUD/ 63' MCW 70% WATER, 30% MUD/ 67' WATERY MUD 49% WATER, 51% MUD SAMPLER- 400 ML MUD, 700 ML WATER, 1100 ML TOTAL

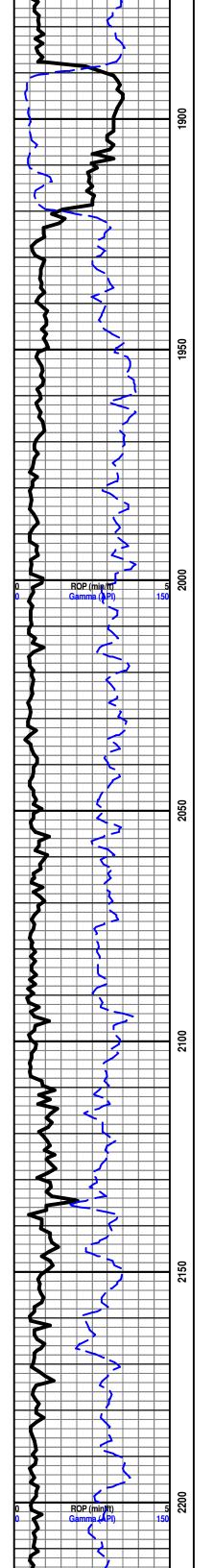
DST's	Report
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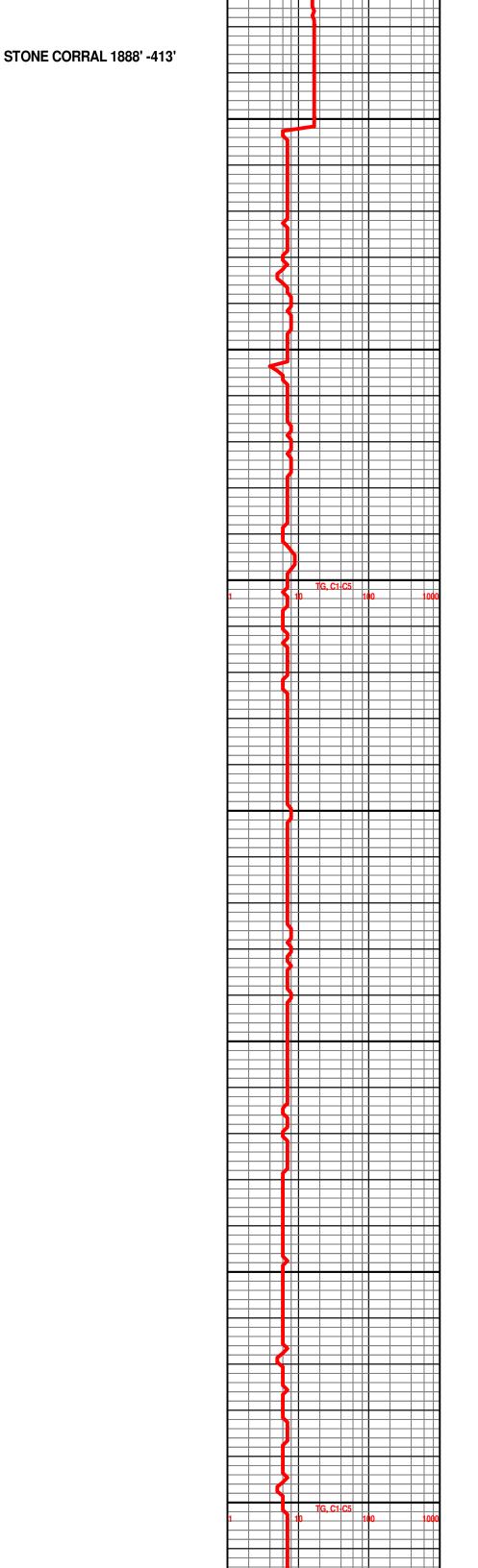
DST#2 3659'-3699' 5 60 20 120 IF- BLOW BUILT TO BOB 11" IN 2 MIN/ ISI- BLOWBACK BUILT SLOWLY TO 1/2" THEN DIED OFF/ FF- BLOW BUILT TO BOB IN 2 1/2 MIN/ FSI- WEAK SURFACE BLOWBACK OCCASIONALLY IH- 1874, FH- 1769/ IF- 96 TO 169/ FF- 160 TO 398/ ISI- 935, FSI- 928 RECOVERY- 300' MCW W/ TRACE OIL 72% WATER, 28% MUD/ 460' SMCW 92% WATER, 8% MUD/ 45' WCM 13% WATER, 87% MUD SAMPLER- 2500 ML WATER, 2500 ML TOTAL

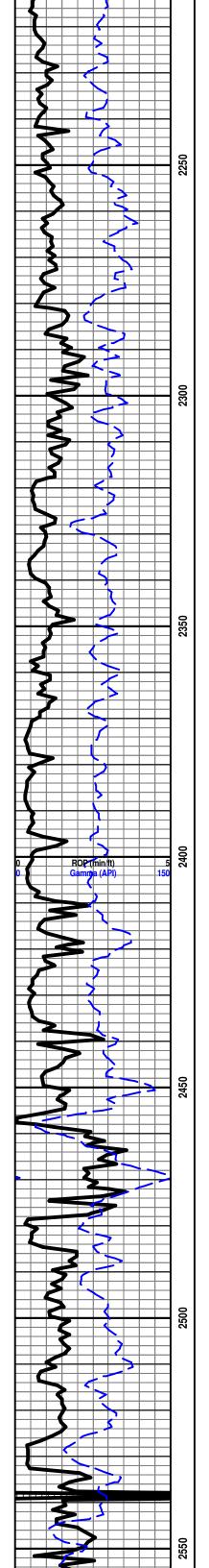
		ROC	K TYPES	
I	Anhy	Gvp	Shgy	Sandylms
	Bent Bent	Igne	Sltst	Shale Shale
	Brec	Lmst	Ss	Sltstn
	Cht	Meta	<u>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></u>	ShlysIts
	<u> </u>	 Mrlst	Carb sh	Sltysh
		Calt		

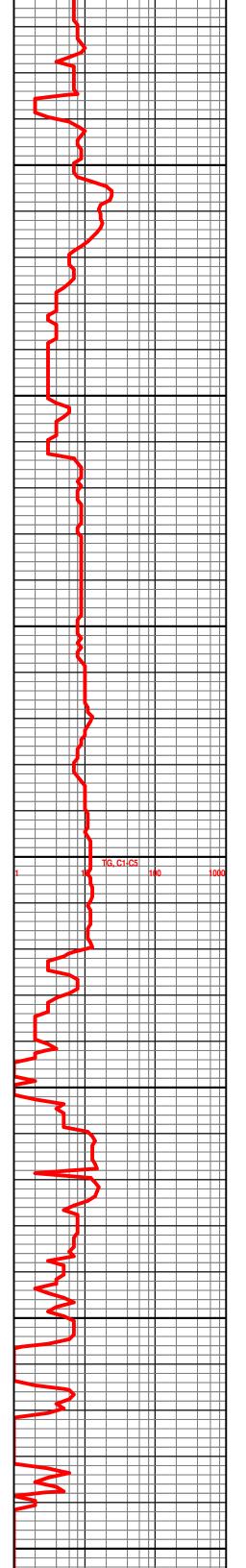


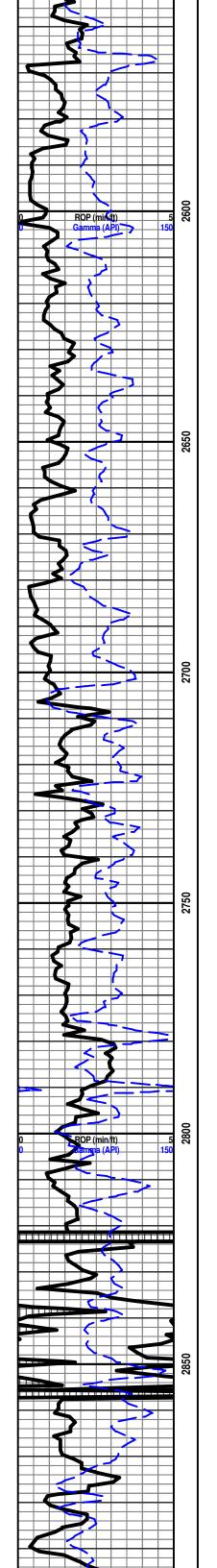


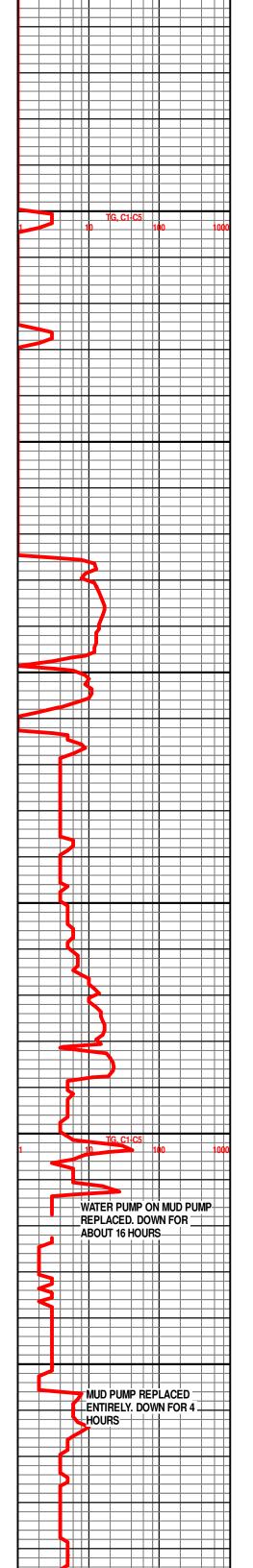


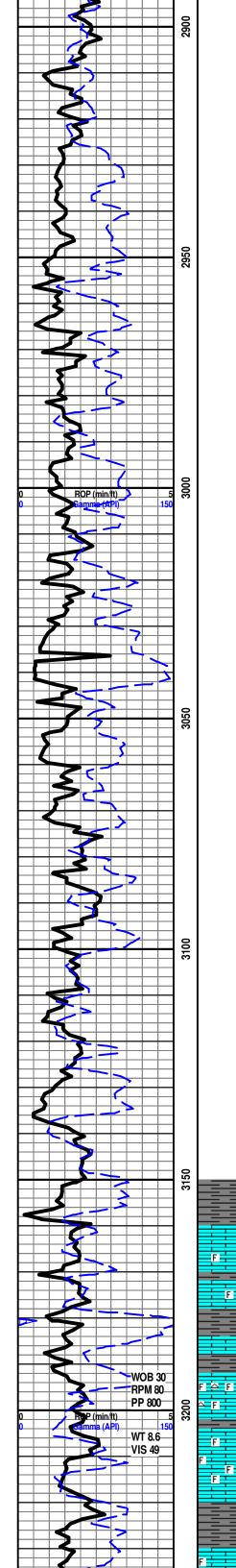


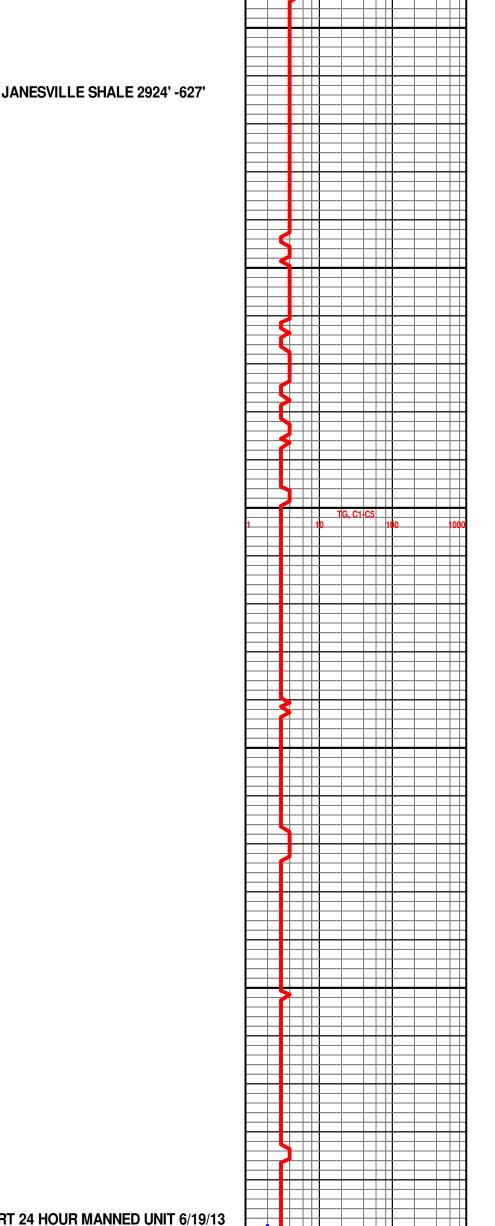












START 24 HOUR MANNED UNIT 6/19/13

SH- BRWN TO GY, FRM BLKY TO SFT GMMY IP, SLTY TXT

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLK IP, SCAT IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN LT GY TO GY, FRM BLKY, SLTY TXT

F

F

-

F

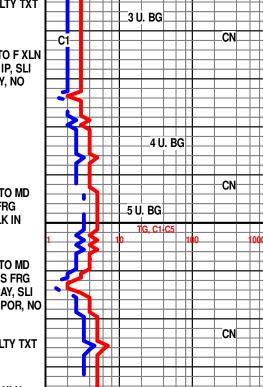
F

TOPEKA 3192' -895'

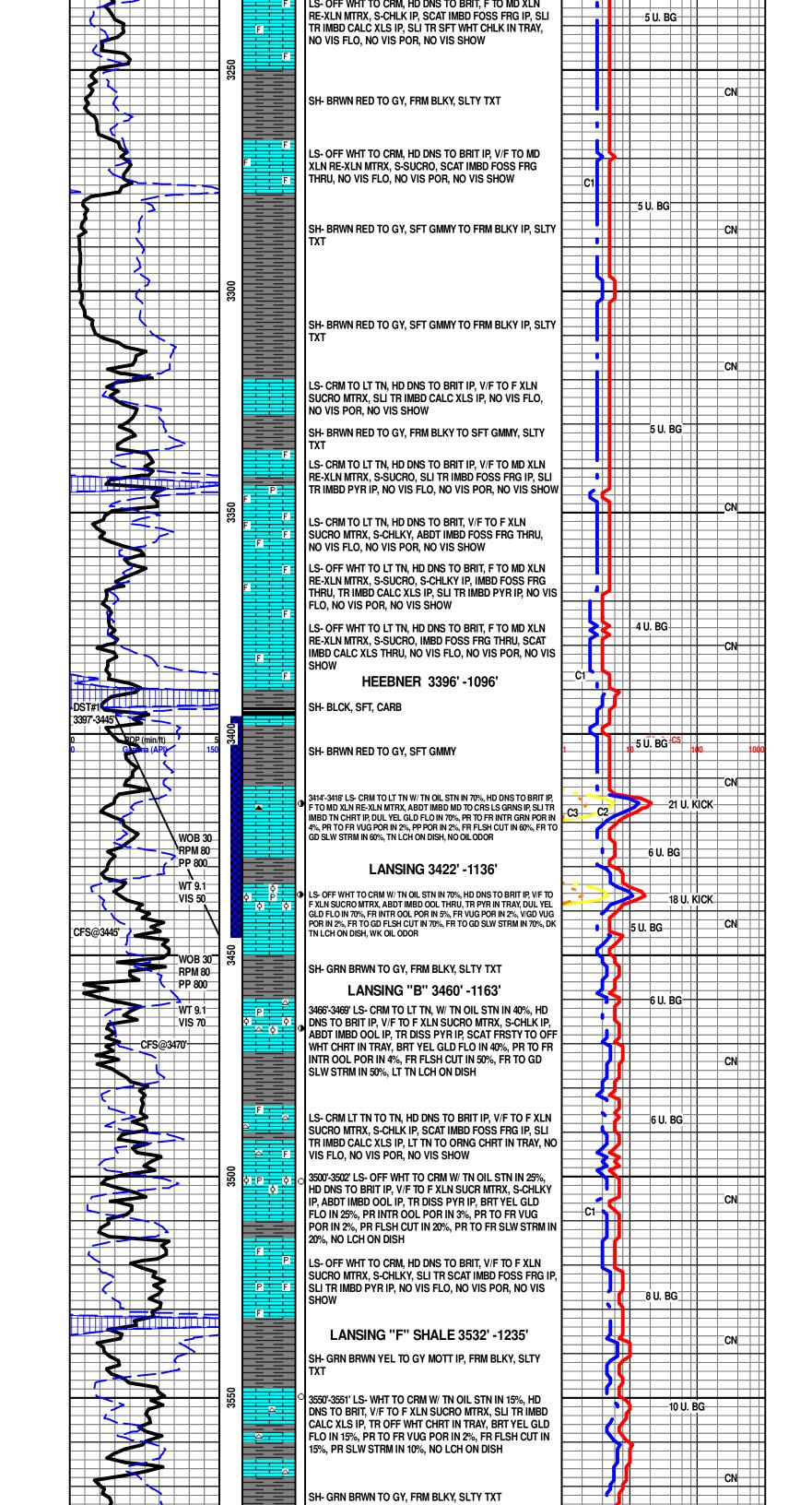
LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT, F TO MD XLN SUCRO MTRX, S-CHLKY, ABDT IMBD FOSS FRG THRU, TN TO ORNG CHRT IN TRAY, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

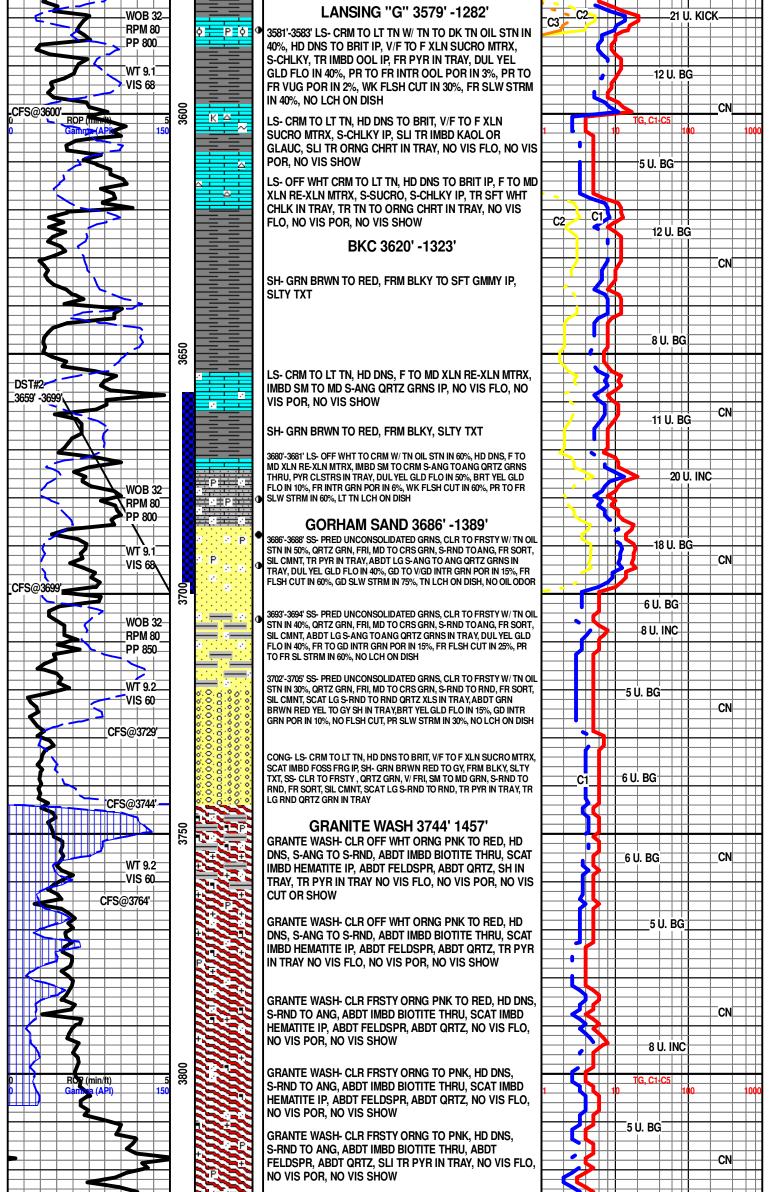
LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO IP, ABDT IMBD FOSS FRG THRU, SLI TR OFF WHT TO TO ORNG CHRT IN TRAY, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN BRWN TO GY, FRM BLKY TO SPLNTY, SLTY TXT



00





		GRANTE WASH- CLR FRSTY ORNG TO PNK, HD DNS, S-RND TO ANG, ABDT IMBD BIOTITE THRU, ABDT FELDSPR, ABDT QRTZ, NO VIS FLO, NO VIS POR, NO VIS SHOW GRANTE WASH- CLR FRSTY ORNG TO PNK, HD DNS, S-RND TO ANG, ABDT IMBD BIOTITE THRU, SLI TR IMBD HEMATITE IP, ABDT FELDSPR, ABDT QRTZ, NO VIS FLO,	7 U. BG
CFS@3850' 30,60 TD@3850'	3850	NO VIS POR, NO VIS SHOW R.T.D. @ 7:30 PM 6/24/13 DROP SURVEY	TD@3850'
CTCH 2 HOURS		TOFL WEATHERFORD / LIBERAL	THANK YOU FOR CHOOSING EARTH TECH