

Confidentiality Requested:

☐ Yes ☐ No

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1138101

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

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

OPERATOR: License #			API No. 15				
Name:			Spot Description:				
Address 1:			Sec.	TwpS. R	_		
Address 2:			F6	eet from	outh Line of Section		
City: S	State: Z	ip:+	Fe	eet from East / We	est Line of Section		
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	ner:		
Phone: ()			□ NE □ NW	V □SE □SW			
CONTRACTOR: License #			GPS Location: Lat:	, Long:			
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)		
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84			
Purchaser:			County:				
Designate Type of Completion:			Lease Name:	Well	#:		
	e-Entry	Workover	Field Name:				
	_	_	Producing Formation:				
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:			
☐ OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:		
CM (Coal Bed Methane)	dow	тетір. дай.	Amount of Surface Pipe Se	et and Cemented at:	Feet		
Cathodic Other (Co.	re, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes N	lo		
If Workover/Re-entry: Old Well Ir			If yes, show depth set:		Feet		
Operator:			If Alternate II completion, o	cement circulated from:			
Well Name:			feet depth to:	w/	sx cmt.		
Original Comp. Date:	Original T	otal Depth:					
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan			
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t				
□ Ourselinated	D 't. #		Chloride content:	ppm Fluid volume: _	bbls		
<ul><li>Commingled</li><li>Dual Completion</li></ul>			Dewatering method used:				
SWD			Location of fluid disposal if	f hauled offsite:			
☐ ENHR			Location of fluid disposal fi	nauleu onsite.			
GSW			Operator Name:				
<u> </u>			Lease Name:	License #:			
Spud Date or Date Re	eached TD	Completion Date or	QuarterSec	TwpS. R			
Recompletion Date		Recompletion Date	County:	Permit #:			

### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY				
Confidentiality Requested				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es  No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottern								
Plug Back TD Plug Off Zone									
1 lug 011 20110									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[	Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS:  Used on Lease		N Open Hole	∥ETHOD OF Perf.	_		mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

## HEADER

# WellSight Systems

Scale 1:240 (5"=100") Imperial Measured Depth Log

> **KEETON #1** Well Name:

WICHITA COUNTY sec 13 - twp 20S - rge 36W Location:

API 15-203-20,211 License Number:

13 MAR 2013 Spud Date:

KANSAS 22 MAR 2013

Region:

Drilling Completed:

2,248' FNL & 769' FEL Surface Coordinates:

approx. NE - SW - SE - NE

see comments section **Bottom Hole** 

Coordinates:

K.B. Elevation (ft): 3,162 Ground Elevation (ft):

3,173 5,088 Total Depth (ft): To: 5,088 3,450 Logged Interval (ft):

WABAUNSEE to MISSISSIPPIAN Formation:

CHEMICAL: displace @ 3,420 Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Raymond Oil Company, Inc. license # 5046 P.O. Box 48788 Company:

Address:

Wichita, Kansas 67202-1822

### GEOLOGIST

Max R. Lovely and Ted Jochems, Jr. Name:

Consulting Geologist Company:

212 North Market Address:

Wichita, Kansas 67202

### COMMENTS

MUD: Mud-Co (Tony Maestas)
DRILL STEM TESTS: Trilobite Testing (Sam Esparsa) CONTRACTOR: H2 Drilling, rig #1 (Carlos Fabela, toolpusher)

GAS DETECTOR: MBC analog unit

ELECTRIC LOGS: Pioneer Energy Services (Daylon Kerr)
DIL, CNL/CDL, MEL

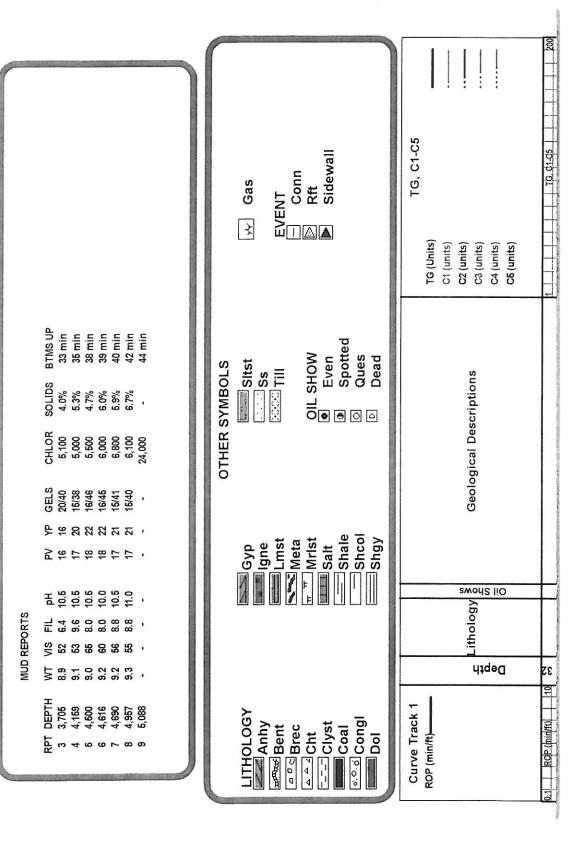
DEVIATION SURVEYS: 0.75 degree @ 267, 0.5 degree @ 997, 1.0 degree @ 1,692 0.75 degree @ 2,412 1.5 degrees @ 3,705 1.0 degree @ 4,500

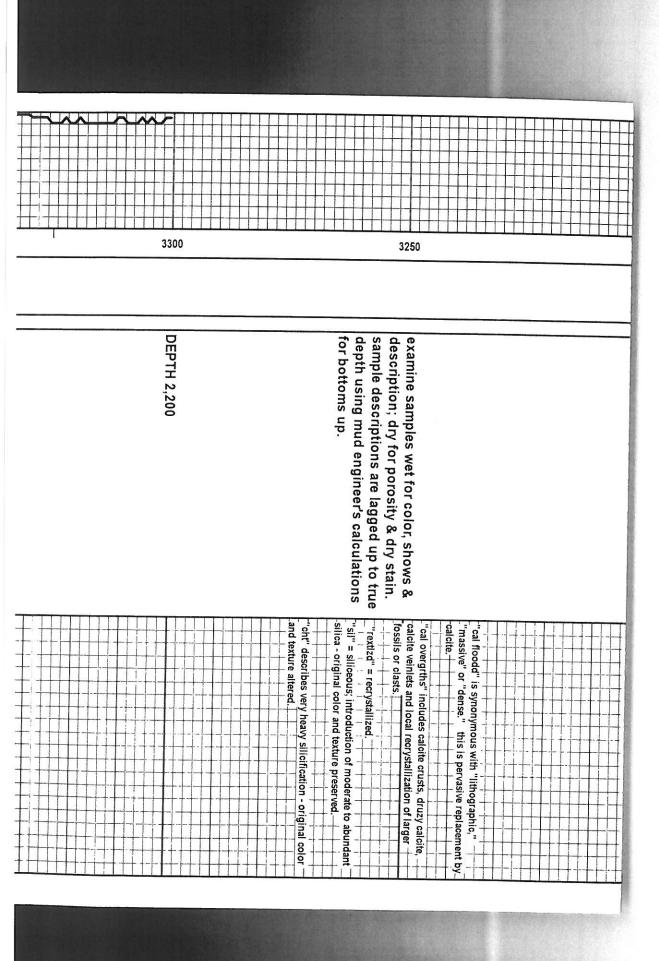
1.5 degrees @ 4,690 0.75 degree @ 5,088

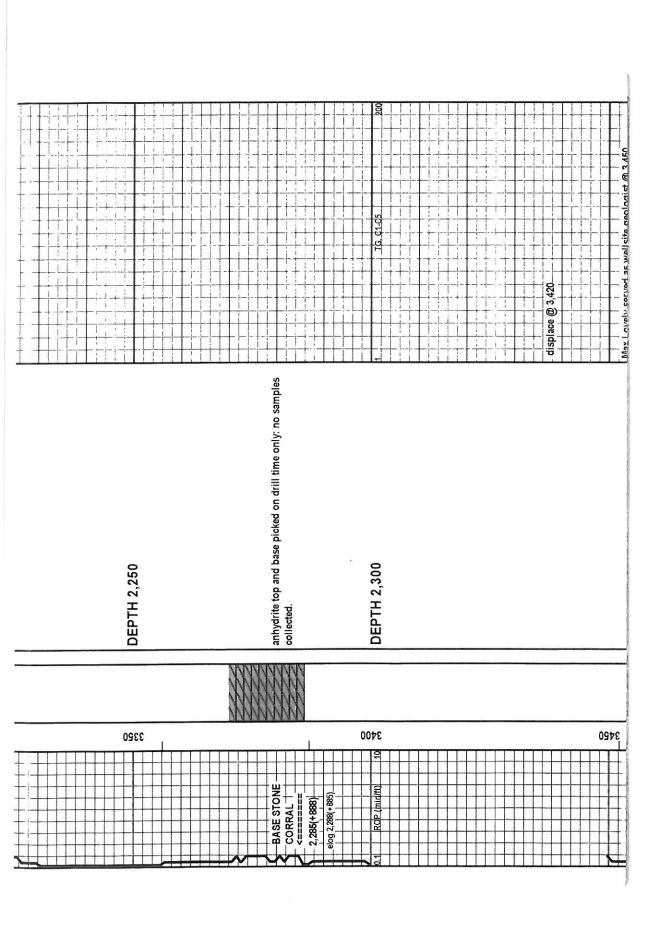
SURFACE CASING: 8.625" @ 267 PRODUCTION CASING: 4.5" @ 4,750

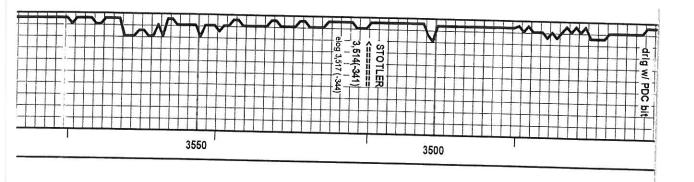
# DAILY PENETRATION

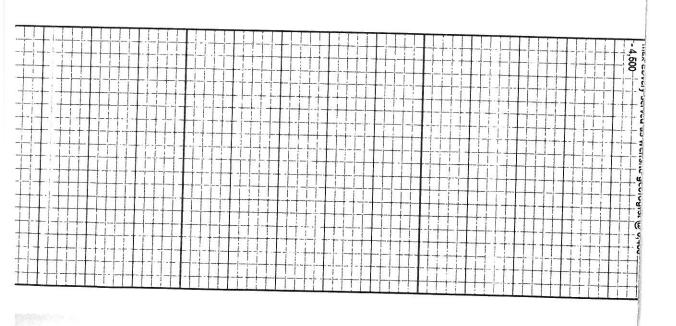
22 MAR	21 MAR	20 MAR	19 MAR	18 MAR	17 MAR	16 MAR	15 MAR	14 MAR	13 MAR 2013	DATE
5,088	4,957	4,690	4,610	4,500	4,105	3,500	2,360	267		DEPTH
I	Ξ	=	=	=	=	;	=	0700 ho		
" TD - preparing to run pip	=	" DST #2				9	•	•	SPUD	

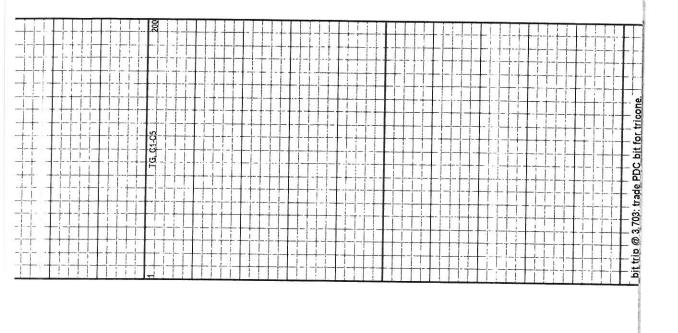


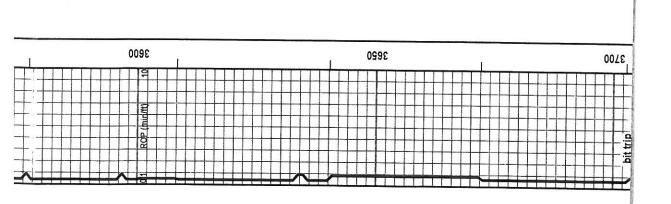




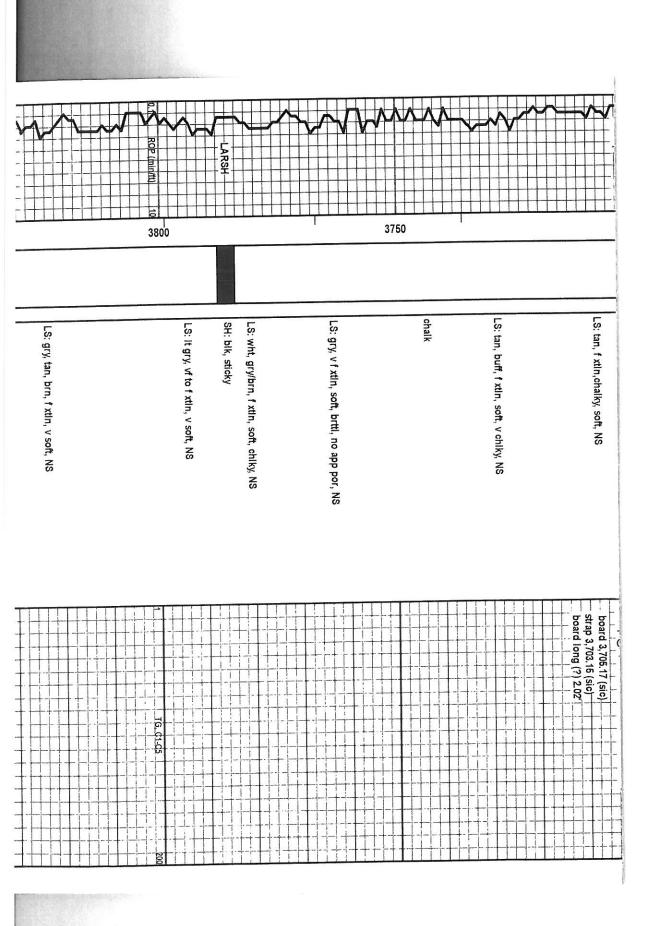


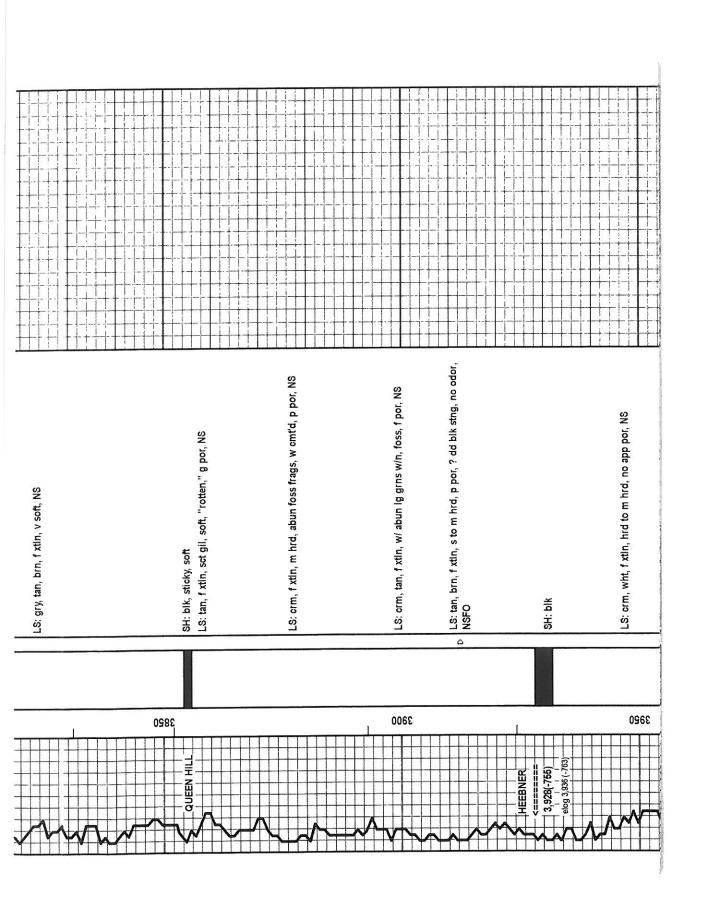


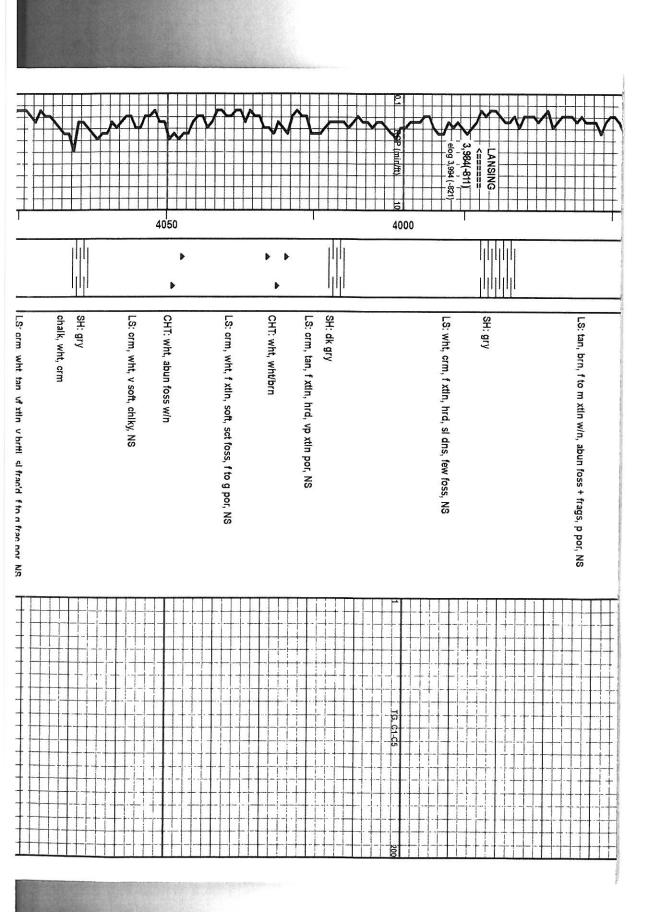


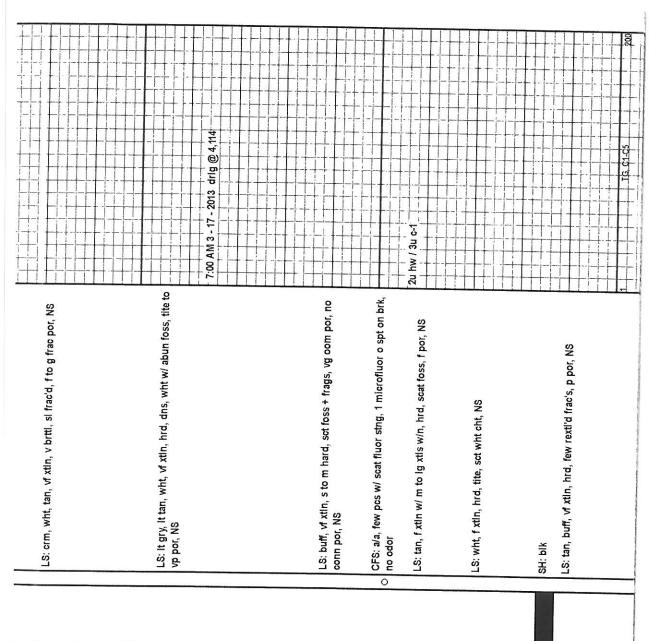


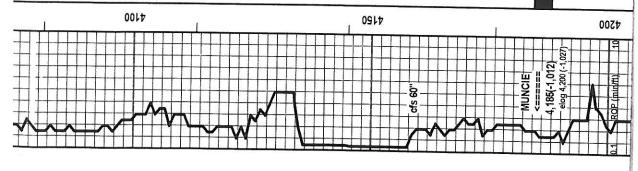
LS: brn, gry, f xtln, soft, brttl, crmbly, f to p por, NS

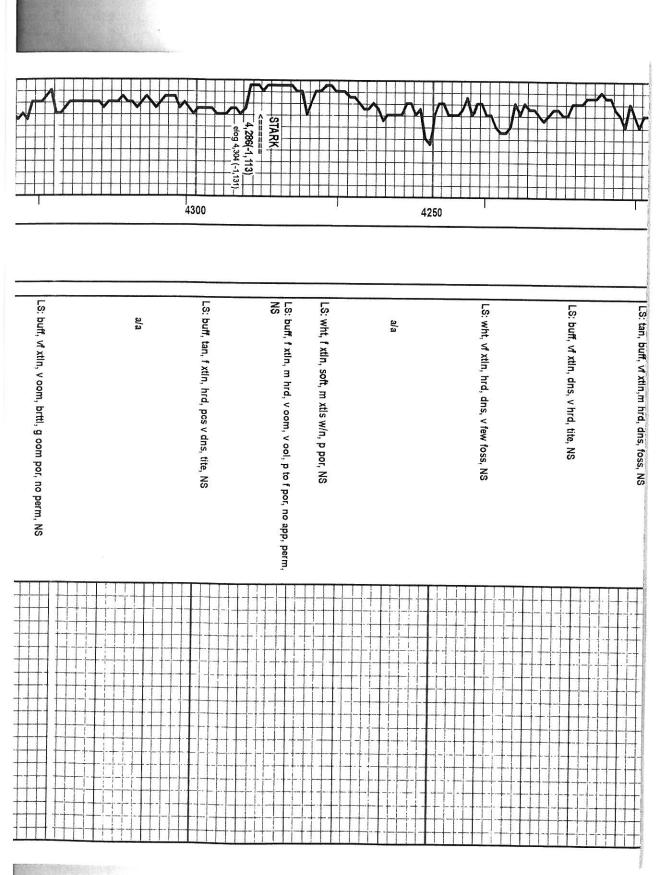


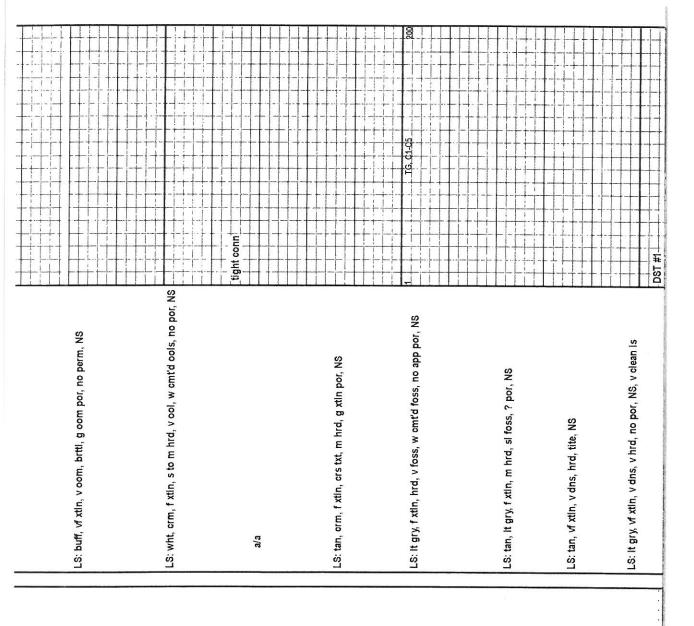


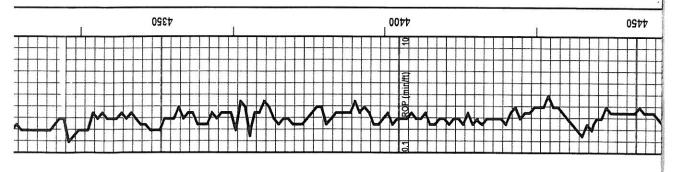


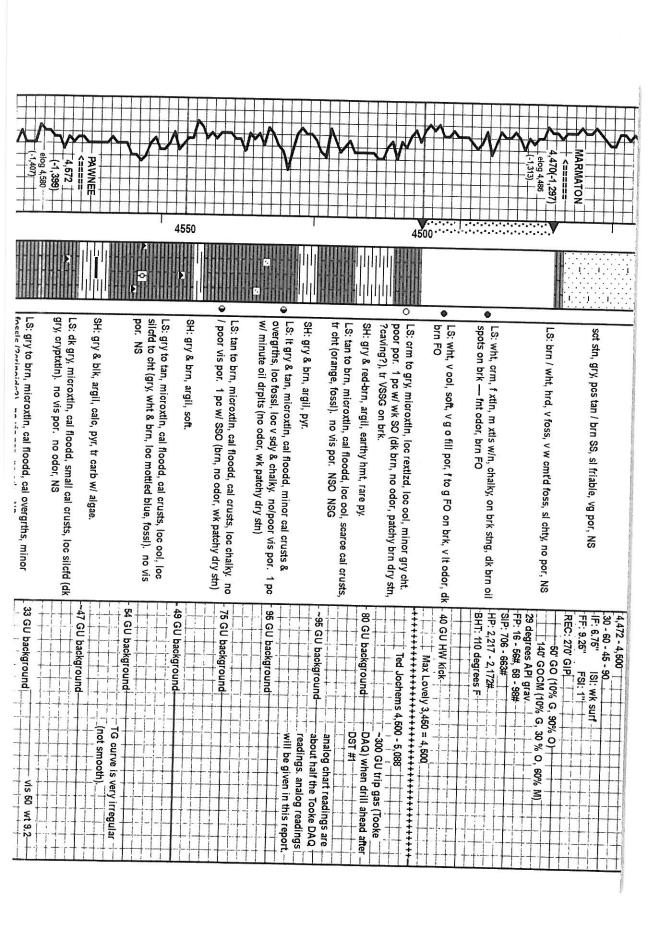


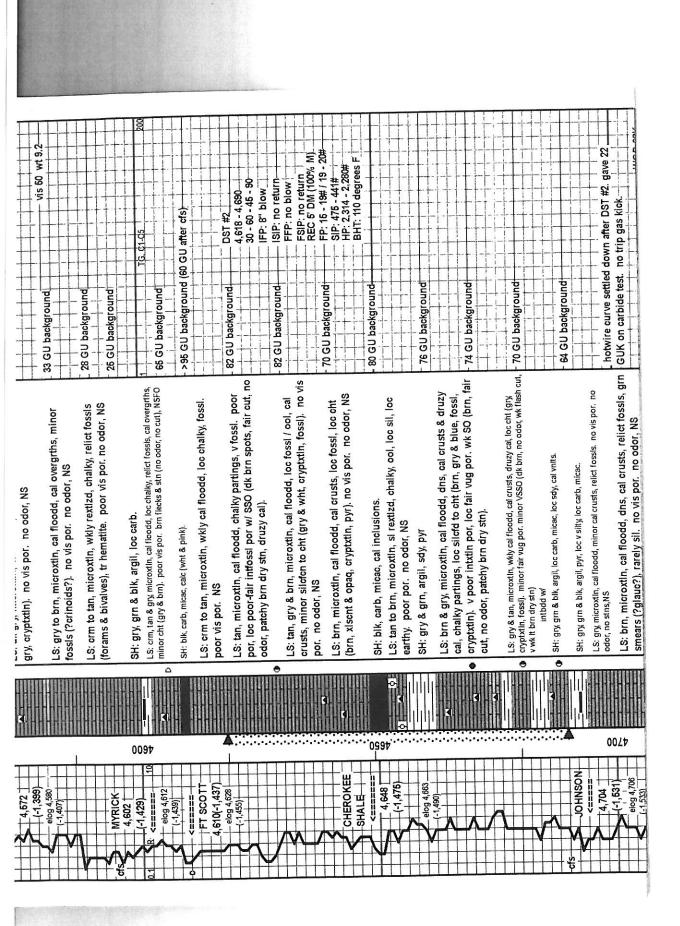


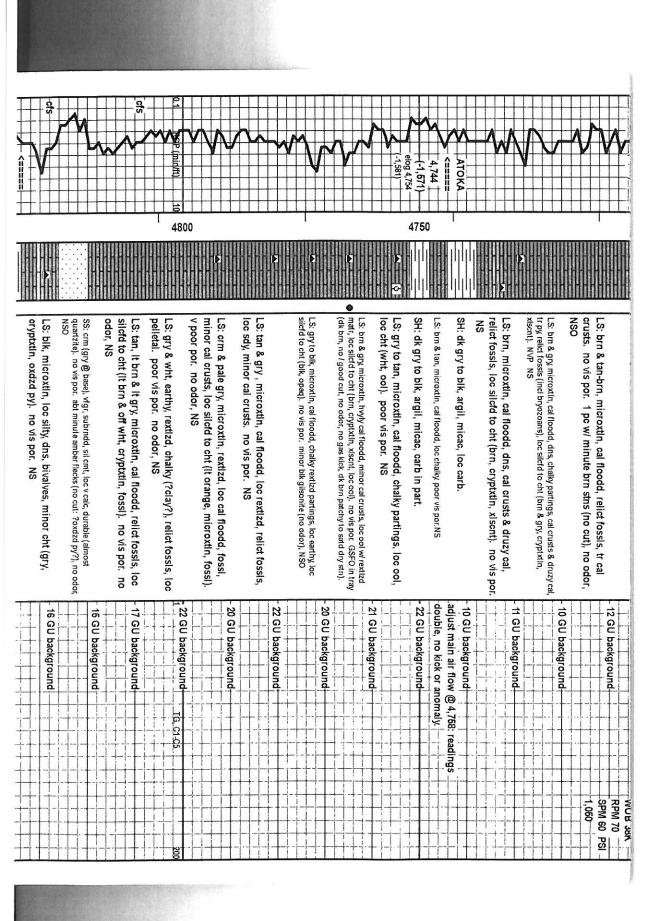


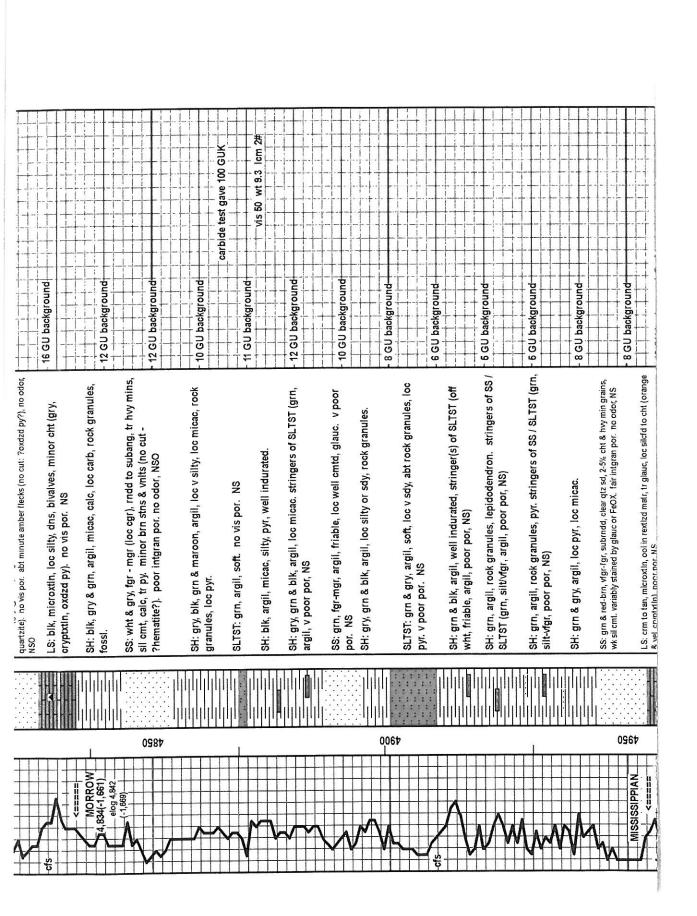


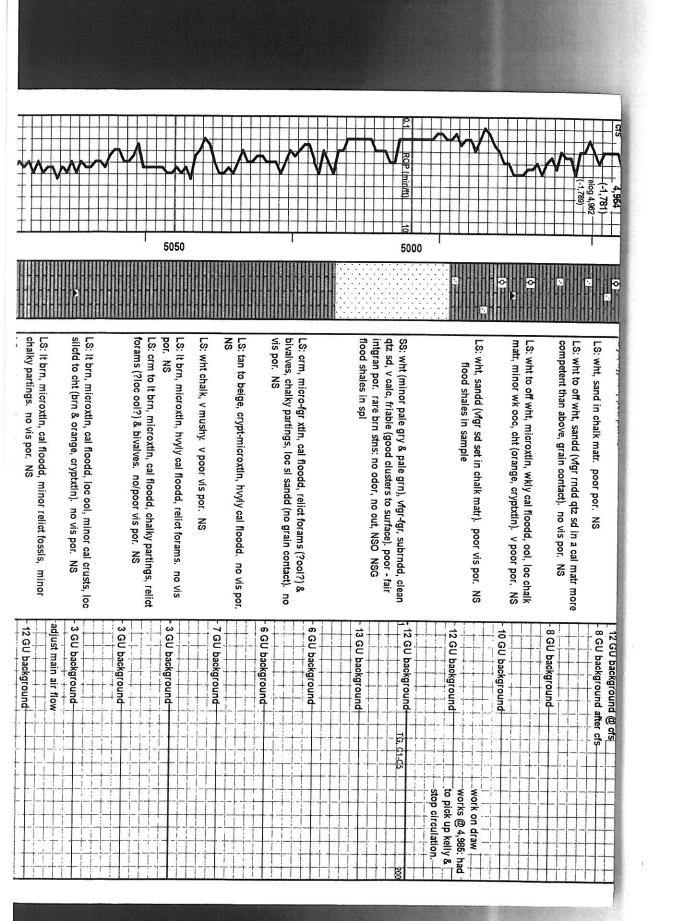












adjust main air flow————————————————————————————————————						Managed to the second s	
ossls, minor Iky, relict fossl							
LS: It brn, microxtln, cal floodd, minor relict fossls, minor chalky partings. no vis por. NS LS: crm to tan, microxtln, wkly cal floodd, chalky, relict fossls. no/poor vis por. NS	RTD 5,088 LTD 5,092		Raymond Oil Co.	Keeton #1 sec 13 - twp 20S - rge 36W	2,248' FNL & 769 FEL	Wichita County, Kansas	
LS: It brn, microxtln, cal floodd, minor relict for chalky partings. no vis por. NS LS: crm to tan, microxtin, wkly cal floodd, chalk no/poor vis por. NS	RTD 5,088 LTD 5,092		Raymond Oil Co.	Keeton #1 sec 13 - twp 20S - rge 36W	2,248' FNL & 769 FEL	Wichita County, Kansas	

LOCATION\_

nanute, KS 66720

### FIELD TICKET & TREATMENT REPORT

ر 210	nanute, KS 66720 or 800-467-8676	FIELD TICKE	CEMEN.		01(1 (7)	A'N'EE	
DATE	CUSTOMER#	WELL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
3-22-13	7158	Kecton#1		13	205	36W	Wichita
CUSTOMER	armond 0	: ]	Mariatha	TRUCK#	PRIVER	TRUCK!	
AJLING ADDRE	Sp	<i>,</i> ,	g. word		DRIVER	TRUCK#	DRIVER
* *	5.~. <b>*</b> 85	*	3/40	463	Travish		
ITY	STATE	ZIP CODE	7 r	529	60 W	<del> </del>	<b></b>
			524	221	Timw		
OR TYPE	2549- HOLE	SIZE 778	]	CAOC		1	17 1/4
	4769.8/ DRILL		HOLE DEPTH	3000	CASING SIZE & V	OTHER 1907	
		RY VOL1 . 1 . 7 . 1 . 89	_TUBING				
	75 12 -36 12 DISPL			<u> </u>	CEMENT LEFT in	CASING	0
			MIX PSI		RATE		
	Cery media				Cent 1,		
300/200		DUTAN top	059.	Kicopano	2 Stevlad	e. Pomp	5 844
w wher	, Mix 266	5 PS 60140 7	112,7050	14,2000	el. wash		
Drobbl		ace 39 346				L'121715	
		p DU Bomb a					
	PS MH 305				05 9905		
4112 255	, wash som	pandlines.	Dropple	and di	golace 3	71/2 554	C3900
	bors for b	Had 600+					
man ?	old. Cemo	nt did in	y valus	YOUGAA	20834 4	did o	
						かとしょく	18 KZ
ACCOUNT CODE	QUANITY or UNI	TS DE	SCRIPTION of	SERVICES or PRO		UNIT PRICE	TOTAL
5401G	1	PUMP CHARG	E			3020	30200
5406	60	MILEAGE				500	3000
5407A	35.54	ON THE ME!	leage de	Guerr		167	35574
			0				
1131	266	sks 60/401	DS (13	ottom)		1510	4016 44
1131	560			- \		150	8456
11123	4311		<del></del>	100)			
	140	DENTON	110			, 25	7777
1107	(-10-	Clo-5-	eal			783	394 8
1111	965	SAIT				,45	4342
4156	<u> </u>	41/2-	I UZA	cload she	e	28700	287 0
4129		411a -	stros	ALLZYRS		4600	322 =
4103			BASK			26(00	522 00
4283	ľ	41/2.		00 w/10	tendown.	385000	3850
				355	latal		26237.
					45 1000		2623.7
			FFA				
			8 7	- Utility	1010100	<u> </u>	23614.0
uu	120	SAIT	Ť		16	SALES TAX	
n 3737	(50)	13411			<i>'</i>	ESTIMATED	1446.5
	$\bigcap A P$					TOTAL	25060.3
	Mudu						

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



Raymond Oil Company, Inc.

13-20s-36w WIchita Co.

P.O Box 48788 Wichita, KS 67202

Keeton #1

Job Ticket: 46896

DST#: 1

ATTN: Max Lovely

Test Start: 2013.03.18 @ 10:53:00

### GENERAL INFORMATION:

Formation: Marmaton

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) No ft (KB)

Time Tool Opened: 13:01:45 Tester: Sam Esparza 64

Time Test Ended: 19:03:45 Unit No:

Interval: 4472.00 ft (KB) To 4500.00 ft (KB) (TVD) Reference Elevations: 3173.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD) 3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 12.00 ft

Serial #: 8845 Outside

Press@RunDepth: 4473.00 ft (KB) 98.47 psig @ Capacity: 8000.00 psig

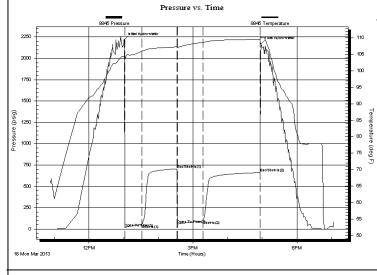
Start Date: 2013.03.18 End Date: 2013.03.18 Last Calib.: 2013.03.18 Start Time: 10:53:05 End Time: Time On Btm: 2013.03.18 @ 13:01:30 19:03:44

Time Off Btm: 2013.03.18 @ 16:57:45

TEST COMMENT: IF: 6 3/4" blow.

ISI: Weak surface return died @ 35 min.

FF: 9 1/4" blow. FSI: 1" return.



### PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2216.65	104.41	Initial Hydro-static
	1	15.87	103.60	Open To Flow (1)
	31	55.94	105.99	Shut-In(1)
	91	705.94	107.25	End Shut-In(1)
	92	58.21	107.14	Open To Flow (2)
	136	98.47	108.67	Shut-In(2)
	235	663.09	109.60	End Shut-In(2)
	237	2171.90	110.05	Final Hydro-static
ı				
1				

### Recovery

Length (ft)	Description	Volume (bbl)
140.00 GOCM 10g 30o 60m		0.69
50.00	GO 10g 90o	0.25
0.00	270' GIP	0.00
-		· · · · · · · · · · · · · · · · · · ·

### Gas Rates

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

Printed: 2013.03.18 @ 23:35:01 Trilobite Testing, Inc. Ref. No: 46896



**FLUID SUMMARY** 

ppm

Raymond Oil Company, Inc.

13-20s-36w WIchita Co.

P.O Box 48788 Wichita, KS 67202

Keeton #1

Job Ticket: 46896

DST#: 1

ATTN: Max Lovely

Test Start: 2013.03.18 @ 10:53:00

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 29 deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 65.00 sec/qt Cushion Volume: bbl

Viscosity: 65.00 sec/qt Cushion Volume:
Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 5500.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

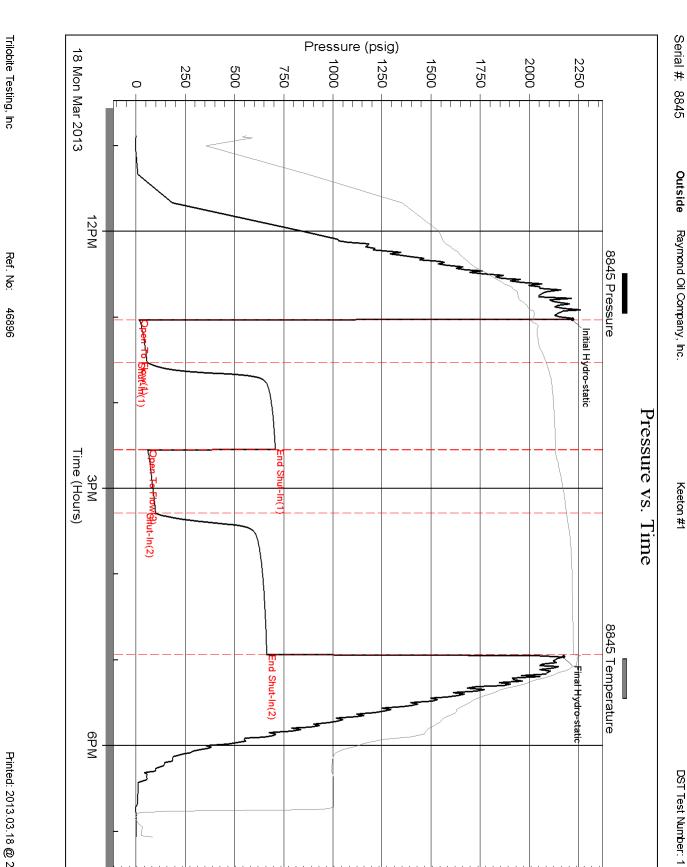
Length ft	Description	Volume bbl
140.00	GOCM 10g 30o 60m	0.688
50.00	GO 10g 90o	0.246
0.00	270' GIP	0.000

Total Length: 190.00 ft Total Volume: 0.934 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: Oil API: 29 @ 60 degrees= 29 API

Trilobite Testing, Inc Ref. No: 46896 Printed: 2013.03.18 @ 23:35:02



g

Temperature (deg F)



Raymond Oil Company, Inc. 13-20s-36w WIchita Co.

P.O Box 48788 Wichita, KS 67202

Keeton #1

Job Ticket: 46897

DST#: 2

ATTN: Ted Jochems Test Start: 2013.03.19 @ 21:13:00

GENERAL INFORMATION:

Formation: Ft. Scott - Cherokee

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 23:15:15 Tester: Sam Esparza 64

Time Test Ended: 05:17:15 Unit No:

Interval: 4618.00 ft (KB) To 4690.00 ft (KB) (TVD) Reference Elevations: 3173.00 ft (KB)

Total Depth: 4690.00 ft (KB) (TVD) 3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8845 Outside

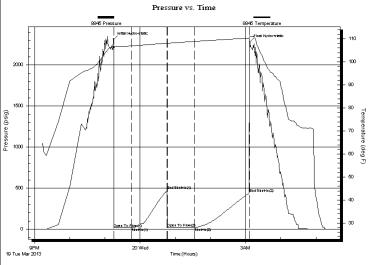
Press@RunDepth: 4619.00 ft (KB) 20.20 psig @ Capacity: 8000.00 psig

Start Date: 2013.03.19 End Date: 2013.03.20 Last Calib.: 2013.03.20 Start Time: 21:13:05 End Time: 2013.03.19 @ 23:15:00 05:17:14 Time On Btm:

Time Off Btm: 2013.03.20 @ 03:07:15

TEST COMMENT: IF: 1/4" blow.

ISI: No return. FF: No blow. FSI: No return.



		Г	NE 330N	LE SUIVIIVIANT
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2314.49	106.83	Initial Hydro-static
	1	15.28	105.43	Open To Flow (1)
	31	18.90	106.92	Shut-In(1)
_	91	475.03	108.14	End Shut-In(1)
empe	92	18.89	108.00	Open To Flow (2)
Temperature (deg	138	20.20	108.87	Shut-In(2)
(deg	232	441.19	110.28	End Shut-In(2)
P	233	2280.15	110.89	Final Hydro-static

PRESSURE SUMMARY

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02
* Recovery from mu	Itiple tests	•

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

Printed: 2013.03.20 @ 08:05:41 Trilobite Testing, Inc. Ref. No: 46897



**FLUID SUMMARY** 

Raymond Oil Company, Inc.

13-20s-36w WIchita Co.

P.O Box 48788 Wichita, KS 67202

Keeton #1

Job Ticket: 46897

Serial #:

DST#: 2

ATTN: Ted Jochems

Test Start: 2013.03.19 @ 21:13:00

### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 60.00 sec/qt Cushion Volume: bbl

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

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

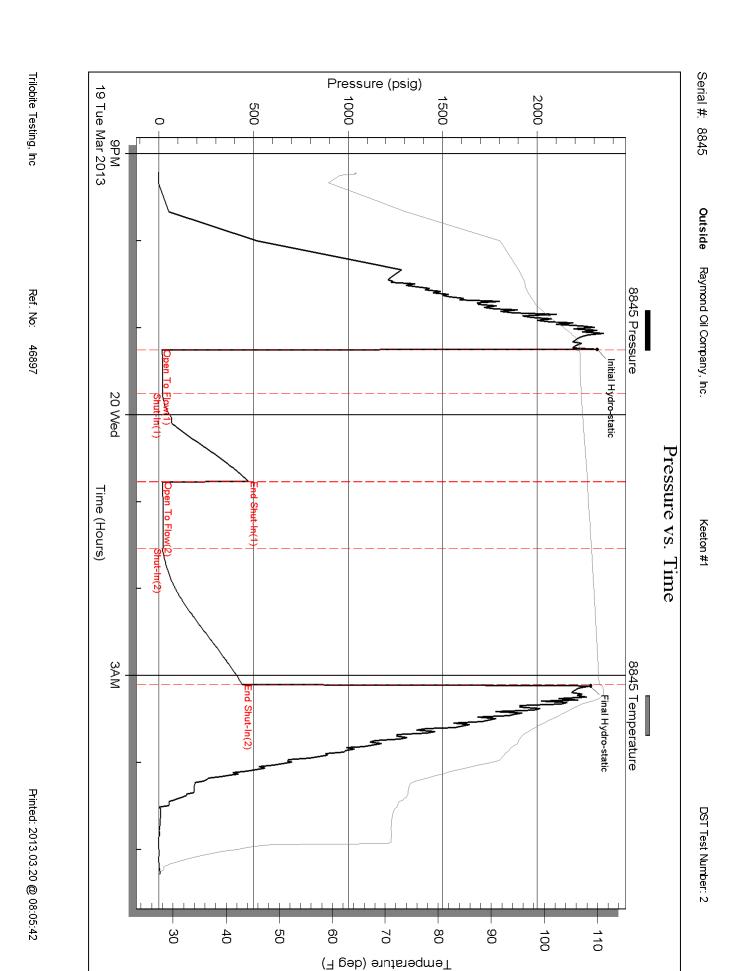
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 46897 Printed: 2013.03.20 @ 08:05:41



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/

Sam Brownback, Governor

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

June 06, 2013

Ted McHenry Raymond Oil Company, Inc. PO BOX 48788 WICHITA, KS 67202-1822

Re: ACO1 API 15-203-20211-00-00 Keeton 1 NE/4 Sec.13-20S-36W Wichita 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, Ted McHenry