Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1332899

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 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
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:	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 If Alternate II completion, cement circulated from: sx cmt.
□ Deepening       □ Re-perf.       □ Conv. to ENHR       □ Conv. to SWD         □ Plug Back       □ Conv. to GSW       □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Dual Completion Permit #:	
SWD         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec.         TwpS. 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 Approved by: Date:

1332899

Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R [	East West	County:				
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to Final Radioactivity Log, files must be submitted	ng and shut-in pressur surface test, along wit , Final Logs run to obt	es, whether shut-in pre th final chart(s). Attach ain Geophysical Data a	ssure reached stati extra sheet if more and Final Electric Lo	c level, hydrosta space is neede	atic pressures, ed.	bottom hole tempe	erature, fluid recovery,
Drill Stem Tests Taken (Attach Additional Sh	neets)	Yes No	L	og Formati	on (Top), Dept	h and Datum	Sample
Samples Sent to Geolo	gical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING					
	Ci H-I-	Report all strings set-c	1			# O1	Torrand Danier
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	)		<u> </u>
Purpose:	Depth	Type of Cement	# Sacks Used	LLZL NLOOND		nd Percent Additives	
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom						
Did you perform a hydrauli Does the volume of the tot Was the hydraulic fracturin	al base fluid of the hydra	ulic fracturing treatment ex			No (If No	o, skip questions 2 an o, skip question 3) o, fill out Page Three (	
Shots Per Foot		RECORD - Bridge Plugsotage of Each Interval Perf			acture, Shot, Cer	ment Squeeze Record	d Depth
	Орсону гос	orage of Lacit interval Ferr	orated	(21	anount and Ama C	n waterial Osca)	Вори
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes	No	
Date of First, Resumed P	roduction, SWD or ENHF			Coolift	Other (Finite)		
Estimated Production Per 24 Hours	Oil Bb	Flowing Gas	Pumping Mcf Wate		Other <i>(Explain)</i>	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		METHOD OF COMPLE	TION:		PRODI ICTIC	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole	Perf. Dually	Comp. Co	mmingled		THE STATE OF
(If vented, Subn	nit ACO-18.)	Other (Specify)	(Submit )	-100-5) (Suk	bmit ACO-4)		

Form	ACO1 - Well Completion
Operator	Infinity Oil, Inc.
Well Name	4H FOUNDATION 1
Doc ID	1332899

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.875	23	260	COMMON	180	N/A
Production	7.625	5.5	15.5	2292	COMMON	450	N/A

44 Foundation Cement Tickets

No.

## QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

3026 Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 On Location Finish Sec. State Twp. Range County Ks Date 10 - 21 - 1 Lease Well No. منزOwner To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Sur 360° Hole Size T.D. A60, Depth Csq. Street Depth Citv State Tbg. Size Tool The above was done to satisfaction and supervision of owner agent or contractor. Depth 80/20 Cement Amount Ordered Cement Left in Csg. Shoe Joint Meas Line Displace **EQUIPMENT** Common No. Cementer Op Helper Poz. Mix Pumptrk 😞 Driver Gel. 3 Bulktrk Driver Driver Driver Calcium Bulktrk JOB SERVICES & REMARKS Hulls Salt Remarks: Rat Hole Flowseal Kol-Seal Mouse Hole Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling / Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount X Signature Total Charge



## **ALLIED OFS, LLC**

Federal Tax I.D. #81-2169190

68204

REMIT TO:

THILL PRINTING CO., INC. - GREAT BEND, KS.

Allied OFS, LLC

P.O. Box 205803

SERVICE POINT:

Dallas, TX 75320-5803			roke	<u>ey</u>
DATE DO JE SEC. TWP. RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
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CONTRACTOR VISCOVERY 12	OWNER	5900 e	· 	
YPE OF JOB Production				-
HOLE SIZE 7 T.D. 4432	CEMENT			ا فكوند الدق
CASING SIZE 51/2 DEPTH 2.3921		RDERED 45	<u>0 385 62</u>	40.820.900
TUBING SIZE DEPTH DRILL PIPE DEPTH		16.11.5.12.4.40		····
OOL DEPTH		The state of the s		· ·
RES. MAX MINIMUM	COMMON_		@	· 
MEAS, LINE SHOE JOINT 4/3.5			_@	
EMENT LEFT IN CSG. 93.40	GEL		@	
ERFS.	CHLORIDE	<del></del>	_@	_
DISPLACEMENT 57	ASC	ear Wenet	_@_ <u>r</u> @19,39	8980 =
EQUIPMENT	-70 5 20	Same of the same o	<u> </u>	
THE PROPERTY OF A CONTROL OF A	- Ho-sea	L 113"	_@ <i>2,97</i>	785741
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ULK TRUCK	- 20 BOL F	4. U15 Sinter FD	_@ <i>25*.00</i>	_ :
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ULK TRUCK				
DRIVER		<del></del>	TOTA	r A sass .
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To: Allied OFS, LLC.	1	down Plus	 ≠@	Calaban
You are hereby requested to rent cementing equipme	nt / 260	Hot J		395200
and furnish cementer and helper(s) to assist owner or	6 000	ralizers	@ 52.00	343,00
contractor to do work as is listed. The above work w	as as		@	
lone to satisfaction and supervision of owner agent of			TOTA	L ;
contractor. I have read and understand the "GENER		. INTO	SCOUNT	
TERMS AND CONDITIONS" listed on the reverse s			SCOURT	_/"
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PRINTED NAME	TOTAL CE	LARGES		#8 P. J
	DISCOUN	<u>nas de la </u>	IF P	AID IN 30 DAY
SIGNATURE	NET TOTA	L**********	IF P.	AID IN 30 DAY



# ALLIED OFS, LLC Federal Tax I.D. #81-2169190

68203

REMIT TO:

Allied OFS, LLC

#### SERVICE POINT

Da Da	). Box 205	803 75320-5803	<b>.</b>	•	SER	VICE POINT.	12
DATE/0-28-/C	SEC.	TWP.	RANGE 3/	CALLED OUT	ON LOCATION	JOB START	JOB FINISH:
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	pole a g		<u> </u>	OWNER		*	<del></del>
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TUBING SIZE			<u>TH</u>	_ MF60-5	195 <u>4</u>		<del></del>
DRILL PIPE	9//2	DEI	TH 4430 1				
TOOL		DEI	<u> TH</u>				
PRES. MAX		MIN	IMUM	COMMON		@`	
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CEMENT LEFT IN	CSG.			GEL			
PERFS.				CHLORIDE	<del></del>	_ ;	
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	HELPER					@	
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To: Allied OFS,	LLC.					@	
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and furnish ceme				<del></del>	<del></del>		
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contractor. I have	e read and	i understa	nd the "GENERA	L.			
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PRINTED NAME				TOTAL C	HARGES	<u> </u>	
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#### DRILL STEM TEST REPORT

Infinity Oil

18-14s-31w Gove, Ks

1014 E 29th Hays, Ks 67601 4H Foundation #1 Job Ticket: 65630

ATTN: Keith Reavis

Test Start: 2016.10.27 @ 18:43:09

**GENERAL INFORMATION:** 

Formation: Morrow

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:52:39 Time Test Ended: 01:30:39

4402.00 ft (KB) To 4482.00 ft (KB) (TVD) Interval:

Total Depth: 4482.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: **Brandon Turley** 

Unit No:

Reference Elevations: 2771.00 ft (KB)

2764.00 ft (CF)

DST#: 1

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 36.21 psig @ 4403.00 ft (KB) Capacity: 8000.00 psig

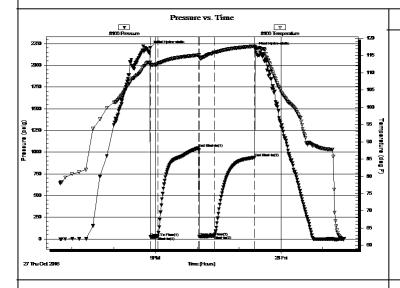
Start Date: 2016.10.27 End Date: 2016.10.28 Last Calib.: 2016.10.28 Start Time: 18:43:14 End Time: 01:30:38 Time On Btm: 2016.10.27 @ 20:52:09 Time Off Btm: 2016.10.27 @ 23:23:09

TEST COMMENT: IF: 1/4 blow died to a surface blow.

IS: No return

FF: No blow . Flushed tool surface blow died in 2 min.

FS: No return.



Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
0	2202.11	113.00	Initial Hydro-static	

PRESSURE SUMMARY

(''''''	(60.8)	(409.)	
0	2202.11	113.00	Initial Hydro-static
1	23.90	112.06	Open To Flow (1)
11	28.20	112.57	Shut-In(1)
70	1049.51	115.11	End Shut-In(1)
71	27.83	114.53	Open To Flow (2)
92	36.21	115.96	Shut-In(2)
150	939.15	117.69	End Shut-In(2)
151	2185.46	117.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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

Ref. No: 65630 Printed: 2016.10.28 @ 07:10:34 Trilobite Testing, Inc



### **DRILL STEM TEST REPORT**

Infinity Oil 18-14s-31w Gove, Ks

1014 E 29th **4H Foundation #1** 

Hays, Ks 67601 Job Ticket: 65630 **DST#:1** 

ATTN: Keith Reavis Test Start: 2016.10.27 @ 18:43:09

#### **GENERAL INFORMATION:**

Formation: Morrow

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

Time Tool Opened: 20:52:39

Tester: Brandon Turley
Time Test Ended: 01:30:39

Unit No: 79

Interval: 4402.00 ft (KB) To 4482.00 ft (KB) (TVD) Reference ⊟evations: 2771.00 ft (KB)

Total Depth: 4482.00 ft (KB) (TVD) 2764.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

 Press@RunDepth:
 psig
 @
 4403.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2016.10.27 End Date: 2016.10.28 Last Calib.: 2016.10.28

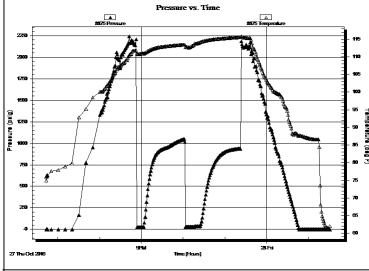
Start Time: 18:43:31 End Time: 01:30:25 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4 blow died to a surface blow.

IS: No return.

FF: No blow. Flushed tool surface blow died in 2 min.

FS: No return.



#### PRESSURE SUMMARY

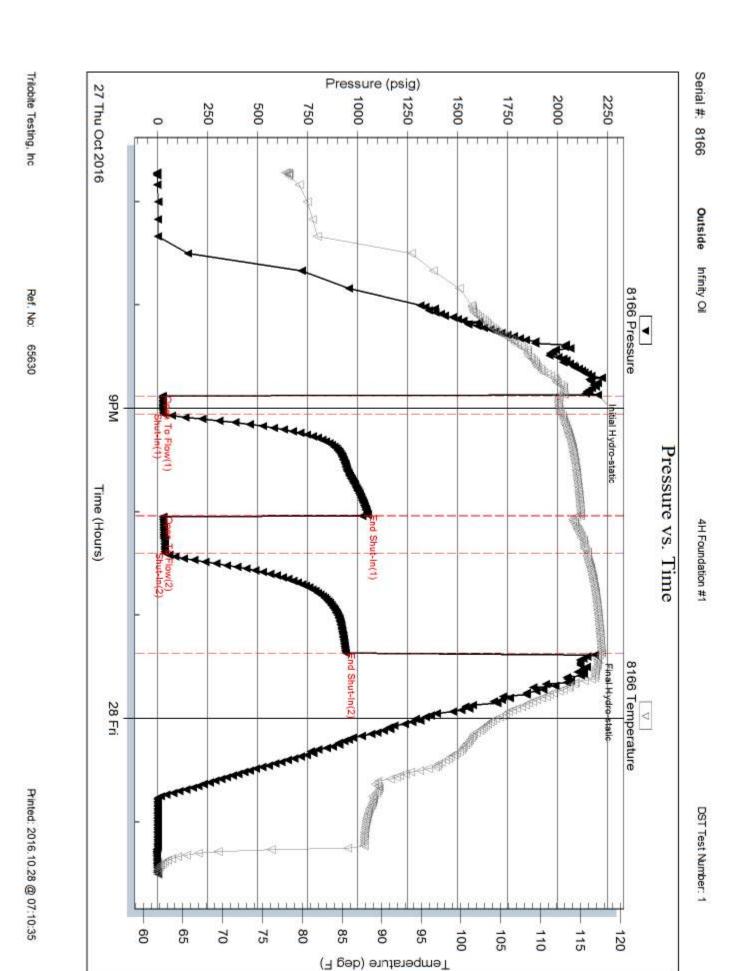
#### Recovery

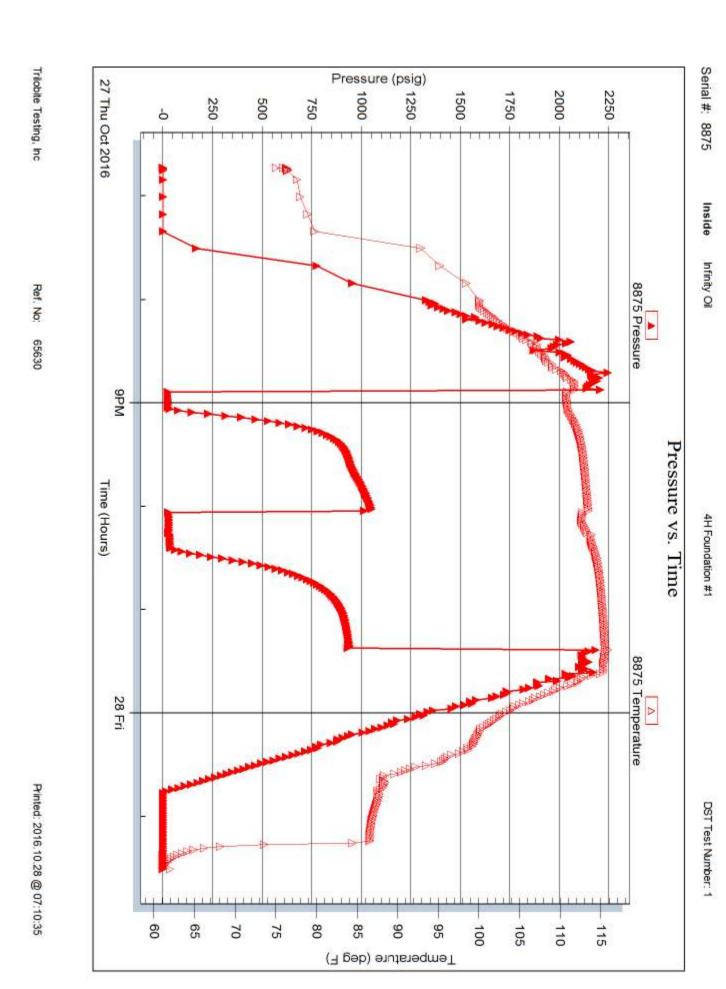
Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

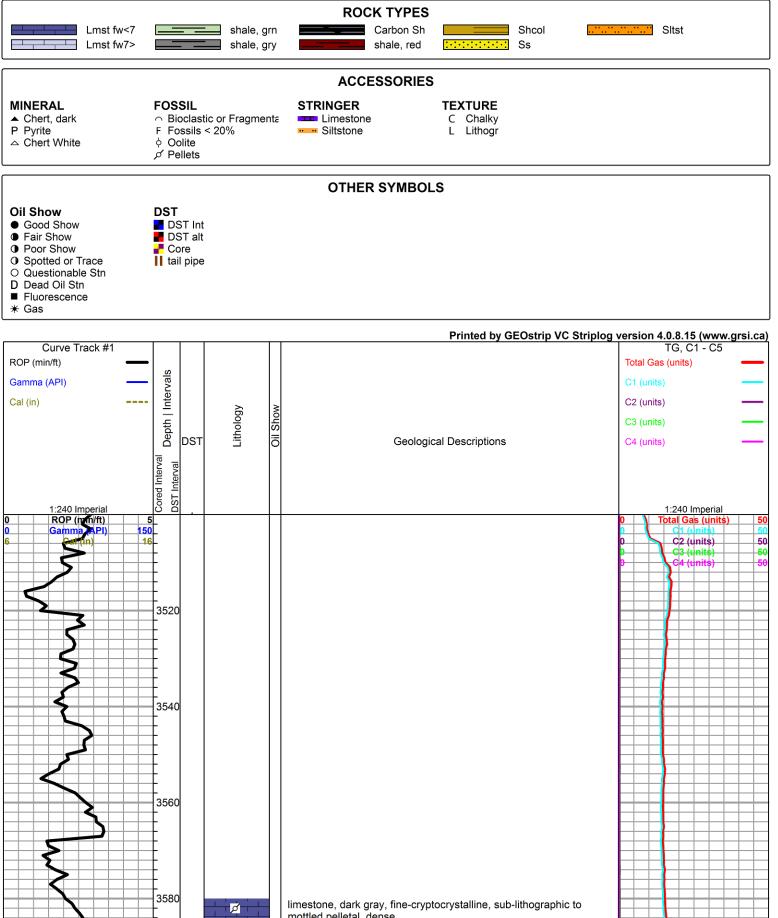
#### Gas Rates

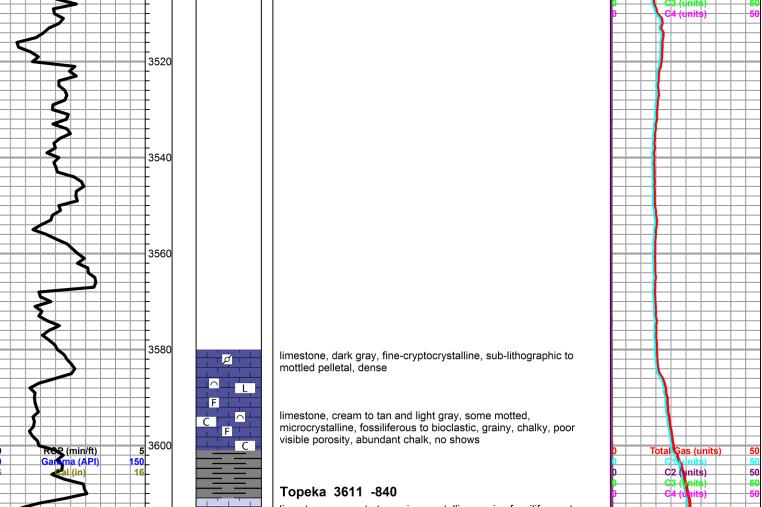
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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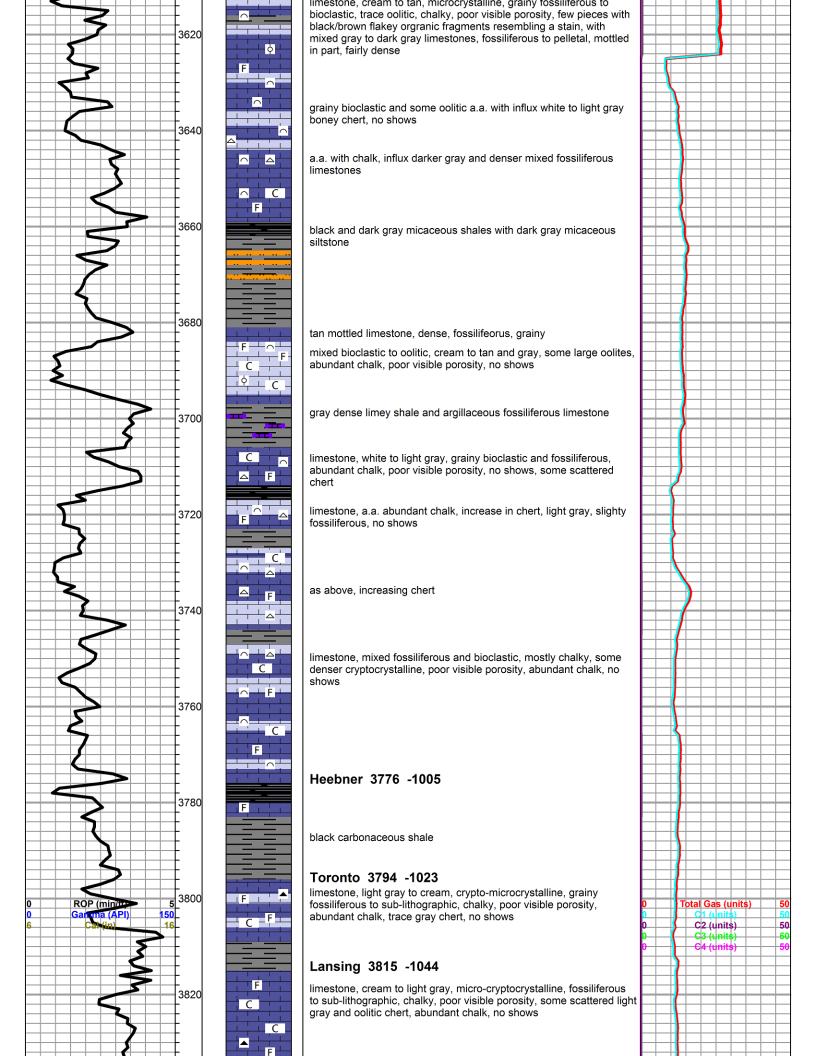
Trilobite Testing, Inc Ref. No: 65630 Printed: 2016.10.28 @ 07:10:34

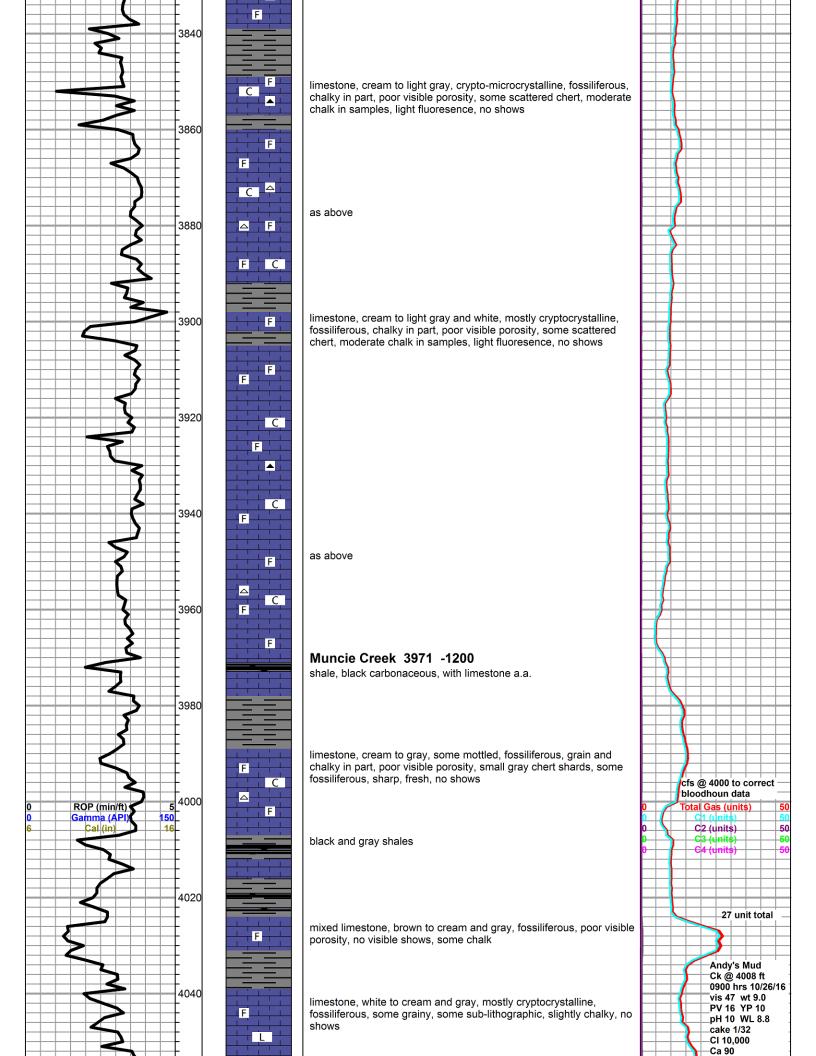


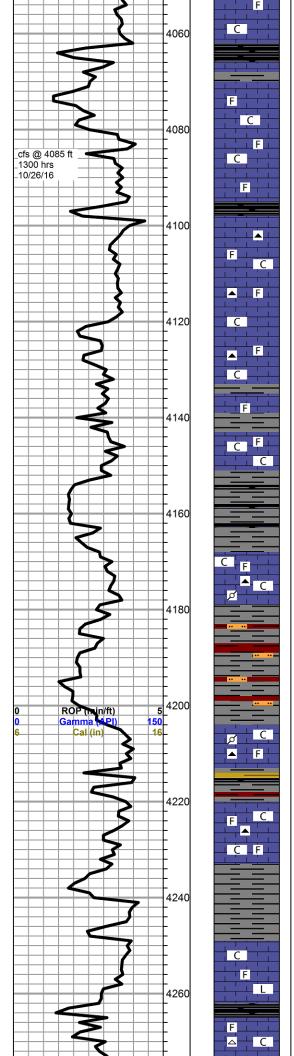












#### Stark Shale 4062 -1291

shale, black carbonaceous

limestone, white to cream, cryptocrystalline, fossiliferous, grainy, chalky, poor visible porosity, abundant chalk, with: limestone, light brown, cryptocrystalline, dense fossiliferous, no shows

limestone, a.a., brown limestone dropping out, still abundant chalk

shale, black carbonaceous

limestone, cream to gray, crypto-microcrystalline, fossiliferous, chalky in part, with dense dark gray limestone, fossiliferous, poor visible porosity, chert, smokey gray, fossilifeorus, no shows, moderate chalk in samples

as above with some cherty weathered mottled limestone

#### Base KC 4139 -1368

limestone, variable gray and cream, mottled and fossiliferous, flood chalk, no shows

black and gray shales

limestone, variable gray, some mottled, micro-cryptocrystalline, fossiliferous to pelletal, some weathered, with gray compact lithographic, abundant chalk in samples, some scattered gray chert, no shows

red and gray shales, abundant soft orange siltstone

#### Marmaton 4204 -1433

limestone, white to cream and gray, some mottling, microcrystalline, chalky, weathered, fossiliferous to pelletal, poor visible porosity, abundant chalk in samples, scattered cherts including oolitic chert

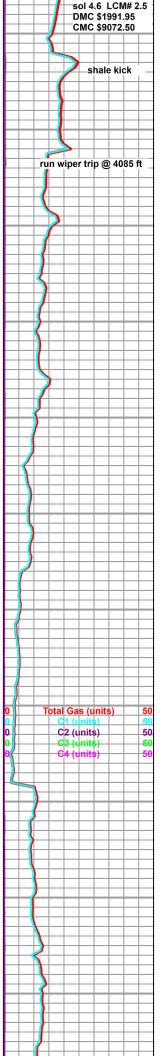
limestone, mixed fossiliferous, abundant chalk, scattered gray and tan chert, fresh, sharp, no shows  $\,$ 

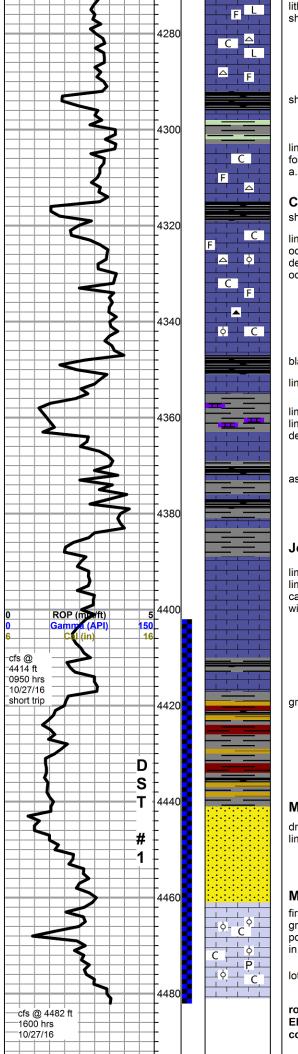
limestone, cream, soft, chalky, limestone, gray to light gray, cryptocrstallline, lithographic, sub-lithographic and fossiliferous, dense, no shows, moderate chalk in samples

shale, black carbonaceous

#### Pawnee 4265 -1494

limestone, white to cream, micro-cryptocrystalline, chalky, grainy, poor visible porosity, with dense cryptocrystalline limestone, gray,





lithographic, abundant chalk and chert, frosted white to smokey gray, sharp, fresh, no shows

shale, black carbonaceous

limestone, cream to tan and gray, micro-cryptocrystalline, fossiliferous, chalky to dense, poor visible porosity, no shows, chert a.a.

#### Cherokee 4315 -1544

shale, black carbonaceous

limestone, white to light gray, chalky, weathered, fossiliferous to oolitic, limestone, gray to tan and brown, crypto-microcrystalline, dense to cherty, fossiliferous to oolitic, tan and gray chert, some oolitic chert, no shows

black carbonaceous shale

limestones as above, chalkier

limestone, white to cream, very chalky fossiliferous, soft, with: limestone, gray to brown mottled, pelletal to oolitic to fossiliferous, dense, no shows

as above with black and gray shales

#### Johnson Zone 4389 -1618

limestone, gray to tan, cryptocrystalline, fossiliferous, dense, with limestone, light gray, fossiliferous, very chalky, trace secondary calcite, no visible porosity, no shows, moderate chalk in samples with trace small chert shards

gray, maroon, black, red and olive/yellow shales

#### Morrow Sand 4441 -1670 (E-Log 4449 -1678)

drilled like sand, but no sand present in samples, only shale and limestone from above

#### Mississippian 4461 -1690 (E-Log 4453 -1682)

first Miss rock came up in 4480 sample, limestone, cream to light gray, very chalky fine oolitic, some weathered to chalk, poor visible porosity, some scattered cherts, abundant chalk, heavy milky wash in samples, no odor and no shows

lots of pyrite nodules in cfs sample

rotary TD 4482 ft @ 1600 hrs 10/27/16 ELI Wireline TD 4484 ft complete logging operations

