

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1201306

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	East West	
Address 2:			F6	eet from North /	South Line of Section	
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section	
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:	
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:	W	/ell #:	
	e-Entry	Workover	Field Name:			
	_		Producing Formation:			
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:	
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:	
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet	
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No	
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet	
Operator:			If Alternate II completion, c	cement circulated from:		
Well Name:			feet depth to:	w/	sx cmt.	
Original Comp. Date:						
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan		
☐ Plug Back	Conv. to G		(Data must be collected from the			
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls	
Dual Completion			Dewatering method used: _			
SWD			Location of fluid disposal if	hauled offsite		
☐ ENHR			1			
GSW	Permit #:		Operator Name:			
_ <del>_</del>			Lease Name:	License #:_		
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West	
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 Approved by: Date:						

Page Two



Operator Name:	perator Name: Lease Name:					Well #:				
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing : (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
									<u> </u>	
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Туре	Type of Cement # Sacks U			Type and Percent Additives				
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	n this well?	·			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, file	out Page Three	of the ACC	)-1)
Shots Per Foot			ID - Bridge Plug Each Interval Perl				cture, Shot, Cemen		b	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT		
Vented Sold	ON OF GAS:  Used on Lease		N Open Hole	NETHOD OF $\Box$ Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λΝ ΙΝΙΕΚ\	/AL:
(If vented, Sub			Other (Specify)		(Submit A		mit ACO-4)			

# UALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

785-483-2025

Home Office P.O. Box 32 Russell, KS 67665 No. 7405

785-324-1041							I O Lasadian I	Finish
PROMPT TELAUSER OF	Sec.	Twp.	Range		County	State	On Location	Finish
Date 2-/4-/4	7	16	10	FI	1=Worth	KS SAME	2 3000 20 20 20 20	1:12 AM
THE REAL PROPERTY.			The state of the state of	Location	on ///50/1	Sto NKd,	1/2 F S n Z	571 5 1 - SM C - SM S
Lease Harbacek	meny b		Well No. 6		Owner	Use II Comparting Inc.	es discours has a natural	
Contractor Royal 2	an interest	and years		1 (1) 10 (20) 1 (1) (1) (1) (1) (1)	Vari our boro	ilwell Cementing, Inc.	cementing equipment	and furnish
Type Job Su face	1000	e ap	aphapaint on the	TOUR ?	cementer an	d helper to assist ow	ner or contractor to do	work as listed
Hole Size / 7 1/4		T.D.	428	CONTRACTOR	Charge To	5611 011		Drieg and Committee
Csg. 85/6	47.A 198	Depth	428	Assert Aug	Street	100 Ary 2 10 11 1900	Contract of the Contract	algeorge and the
Tbg. Size	8 350 EU	Depth	and the second		City		State	7046 1 1 2 3 7 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1
Tool		Depth	errora but mede	Sec. 50			and supervision of owner	agent or contrac
Cement Left in Csg.	ente gal	Shoe J	loint 20	1.00	Cement Amo	ount Ordered 200	5x COM, 3766	27941
Meas Line	19 42	Displac	ce 25 1/2 AL	1	9	<del>à</del>	and programming at our	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	EQUIP	MENT	The sales of the	1 ACT 1	Common		Control State Control State Control	Service of the servic
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Bulktrk 3 No. Driver	Lonn	E M			Gel.	100 100 100 100 100 100 100 100 100 100		Andrew Administration
Bulktrk PO No. Driver	Traves	24.55		1 1 2 5 7 5	Calcium			
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Baskets					CFL-117 or	CD110 CAF 38	A CONTRACTOR OF THE PROPERTY O	2 (10)
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			100	177			The State of	resident (2)
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Signature William	100 0 0		The second secon		The second secon			

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665 No. 7109

OCII 705 024 1041							
Se	c. Twp.	Range	9	County	State	On Location	Finish
Date 2-20-14 7	16	10	E11	sworth	ks.	in discount and the	9:30 PM
-diseases the first part of the	e George and a	to miss a dome	Location	on wilson	Sto NRd, En	Zin . Santani shall be	Roseka v and was by
Lease Harbacek	न एक्ट्रियान	Well No. 6	- Chippi	Owner	both praterious seed in	Zaronyon kalilanda e	escal melt continues
Contractor Royal #2				To Quality O	ilwell Cementing, Inc.	cementing equipment	and furnish
Type Job Jones String				cementer an	d helper to assist owr	ner or contractor to do	work as listed.
Hole Size 77%	T.D.	3400	T ALL	Charge Ta	son Oil	or contract the second of	es, mar Armeri
Csg. 51/4/55	Depth	3391.99	(F) (F)	Street	e trouvers of the		AND THE THE PROPERTY
Tbg. Size	Depth		(* 145 B)	City	andrew in the company	State	Appearance (make that
Tool	Depth	Make adult (entitle	100 11 27 1	The above wa	as done to satisfaction ar	nd supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe J	oint 22.6/	F/ 35.3	Cement Amo	ount Ordered 1905	com 10% sal	+ 5 Jugitionis
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Mouse Hole   5 5 x	D 139 - 179			Kol-Seal	QQT	and a rest regardance	Cities interested of it
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Baskets 2				CFL-117 or	CD110 CAF 38		\$65.74000
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Shut down washood Pa	inip and I	ines Reulese		Centralizer	6 turbos	to welder he recliented	particular MED Deliver recover
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Harbacek #6



## DRILL STEM TEST REPORT

Prepared For: Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

#### Harbacek #6

## 7-16s-10w Ellsworth, KS

Start Date: 2014.02.19 @ 12:50:53 2014.02.19 @ 19:50:47 End Date: Job Ticket #: 51933

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



Jason Oil Co., LLC

PO Box 701

Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51933

DST#: 1

Test Start: 2014.02.19 @ 12:50:53

#### **GENERAL INFORMATION:**

Formation:

Arbuckle

Deviated:

Whipstock: No

0.00 ft (KB)

Time Tool Opened: 15:34:48

Time Test Ended: 19:50:47

Interval: Total Depth: 3252.00 ft (KB) To 3305.00 ft (KB) (TVD)

Hole Diameter:

3400.00 ft (KB) (TVD)

Outside

7.88 inches Hole Condition: Fair

Test Type:

Conventional Straddle (Initial)

Tester: Matt Smith

Unit No:

Reference Bevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 6719

Press@RunDepth:

32.38 psig @

2014.02.19

3253.00 ft (KB) End Date:

2014.02.19

8000.00 psig

Last Calib .:

2014.02.19 2014.02.19 @ 15:32:48

Time On Btm:

Capacity:

2014.02.19 @ 17:25:18

Start Date: Start Time:

12:50:53

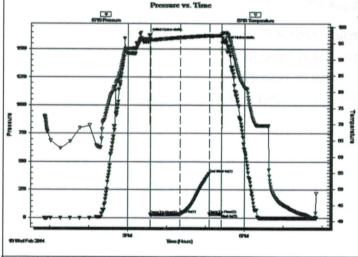
End Time:

19:50:47

Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 2 1/4". ISI: No blow.

FF: No blow . Pulled test after 20 mins.



## PRESSURE SUMMARY

		F	KESSUR	CE SUMMARY	
	Time	Pressure	Temp	Annotation	_
	(Min.)	(psig)	(deg F)		
	0	1625.55	96.36	Initial Hydro-static	
	2	28.70	95.75	Open To Flow (1)	
	48	32.38	96.74	Shut-In(1)	
	93	396.83	97.36	End Shut-In(1)	
•	94	33.22	97.21	Open To Flow (2)	
	112	33.88	97.45	Shut-In(2)	
	113	1554.39	97.89	Final Hydro-static	
	2 "				

#### Recovery

Length (ft)	Description	Volume (bbl)		
20.00	SOCM 5%o 95%m	0.10		
	*9) *	763 971 977		
		11 11 11 11 11 11 11 11		

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 51933



Jason Oil Co., LLC

Harbacek #6

PO Box 701 Russell, KS 67665

Job Ticket: 51933

**DST#: 1** 

ATTN: Steve Reed

Test Start: 2014.02.19 @ 12:50:53

7-16s-10w Ellsworth, KS

#### GENERAL INFORMATION:

Time Test Ended: 19:50:47

Formation:

Arbuckle

Deviated: No Whipstock: 0.00 ft (KB)

Test Type: Conventional Straddle (Initial)

Tester:

Matt Smith

Unit No:

Interval: 3252.00 ft (KB) To 3305.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Reference Elevations: 1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6773

Outside

Time Tool Opened: 15:34:48

Press@RunDepth: psig @ 2014.02.19

3253.00 ft (KB)

2014.02.19

Capacity:

8000.00 psig

Start Date:

End Date:

Last Calib .:

2014.02.19

Start Time:

12:45:35

End Time:

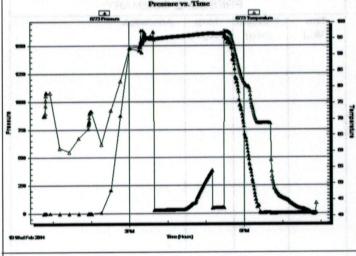
19:53:03

Time On Btm: Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 2 1/4".

ISI: No blow.

FF: No blow . Pulled test after 20 mins.



PRESS	URE	SUMMARY
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×	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
			Security and annual	
TE .				
		Anna - House	manch parties on	ned and the second section of the second section secti

#### Recovery

Description	Volume (bbl)	
SOCM 5% o 95% m	0.10	

#### Gas Rates

Total sensitive A. C.	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
ne a		X N SNo 45%	
	and a wind was a second		



Jason Oil Co., LLC

PO Box 701

Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51933

DST#: 1

Test Start: 2014.02.19 @ 12:50:53

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated: No

Whipstock:

0.00 ft (KB)

Time Tool Opened: 15:34:48 Time Test Ended: 19:50:47

3252.00 ft (KB) To 3305.00 ft (KB) (TVD)

Interval: Total Depth:

3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Unit No:

Test Type: Conventional Straddle (Initial)

Tester: Matt Smith

Reference Bevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8676

Below (Straddle)

Press@RunDepth:

psig @ 2014.02.19

3306.00 ft (KB) End Date:

2014.02.19

Capacity: Last Calib .: 8000.00 psig

2014.02.19

Start Date: Start Time:

12:32:52

End Time:

19:42:46

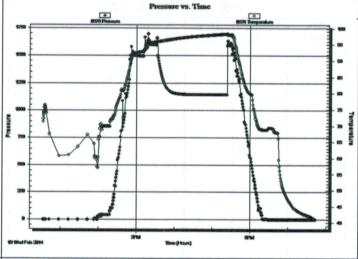
Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 2 1/4".

ISI: No blow.

FF: No blow . Pulled test after 20 mins.



# PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
*			
n .			
		F100	
	an more to a trade		

#### Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 5% o 95% m	0.10

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 51933



TOOL DIAGRAM

Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51933

**DST#: 1** 

Test Start: 2014.02.19 @ 12:50:53

**Tool Information** 

Drill Pipe: Drill Collar:

Length: 3134.00 ft Diameter: Length:

Heavy Wt. Pipe: Length: 0.00 ft Diameter:

120.00 ft Diameter: 22.00 ft

3.80 inches Volume: 43.96 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.59 bbl

Total Volume: 44.55 bbl

Tool Weight:

2400.00 lb

Weight set on Packer: 26000.00 lb Weight to Pull Loose: 58000.00 lb

Tool Chased

String Weight: Initial 56000.00 lb

Final 56000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

3252.00 ft 3305.00 ft

Depth to Bottom Packer: Interval between Packers: 53.00 ft Tool Length: 166.00 ft

Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	Total Lea
Change Over Sub	1.00		0 sdec0	3233.00	d:Samples 0	电声子的 4
Shut In Tool	5.00			3238.00		
Hydraulic tool	5.00			3243.00	A Constitution of	
Packer	4.00			3247.00	20.00	Bottom Of Top Packer
Packer	5.00			3252.00		
Stubb	1.00			3253.00		
Recorder	0.00	6719	Outside	3253.00		
Recorder	0.00	6773	Outside	3253.00		
Perforations	6.00			3259.00		
Blank Spacing	32.00			3291.00		
Perforations	10.00			3301.00		
Blank Off Sub	1.00			3302.00		
T.C.	3.00			3305.00	53.00	Tool Interval
Packer	0.00			3305.00		
Stubb	1.00			3306.00		
Recorder	0.00	8676	Below	3306.00		
Perforations	25.00			3331.00		
Blank Spacing	64.00			3395.00		
Bullnose	3.00			3398.00	93.00	Bottom Packers & Anchor

**Total Tool Length:** 

166.00



**FLUID SUMMARY** 

Jason Oil Co., LLC

7-16s-10w Ellsworth, KS

PO Box 701

Harbacek #6

bbl

psig

Russell, KS 67665

Job Ticket: 51933

DST#: 1

ATTN: Steve Reed

Test Start: 2014.02.19 @ 12:50:53

#### **Mud and Cushion Information**

Mud Type: Gel Chem

9.00 lb/gal

Viscosity: Water Loss:

Mud Weight:

55.00 sec/qt 7.98 in<sup>3</sup> 0.00 ohm.m

Resistivity: Salinity: Filter Cake:

4000.00 ppm

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity:

4000 ppm

0.20 inches **Recovery Information** 

#### Recovery Table

Length ft	Description	Volume
20.00	SOCM 5% o 95% m	0.098

Total Length:

20.00 ft

Total Volume:

Num Fluid Samples: 0

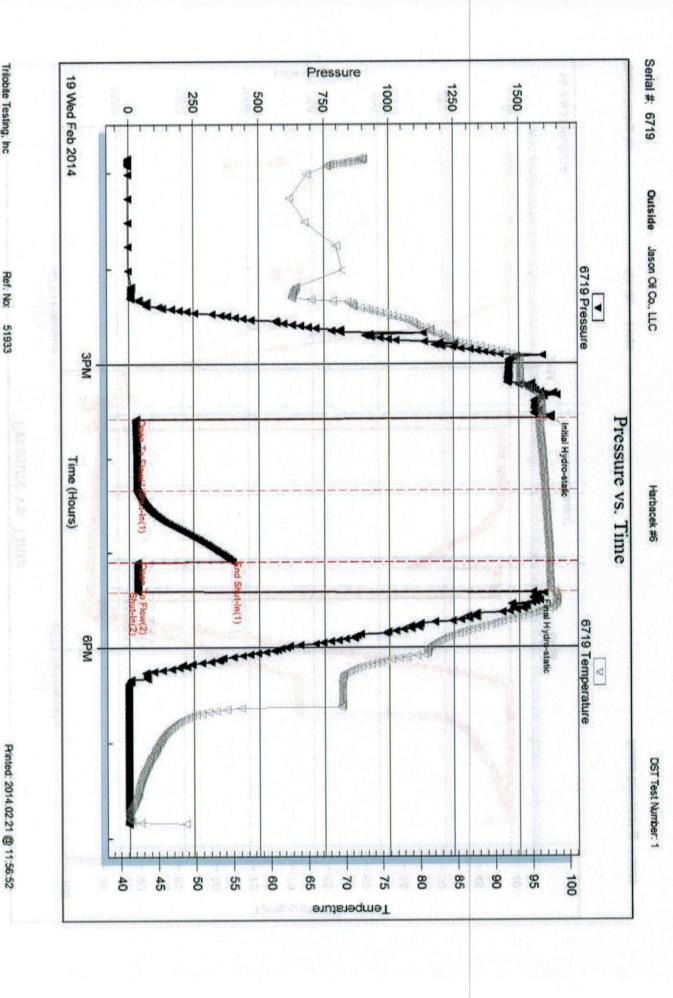
Laboratory Name:

Num Gas Bombs:

Laboratory Location:

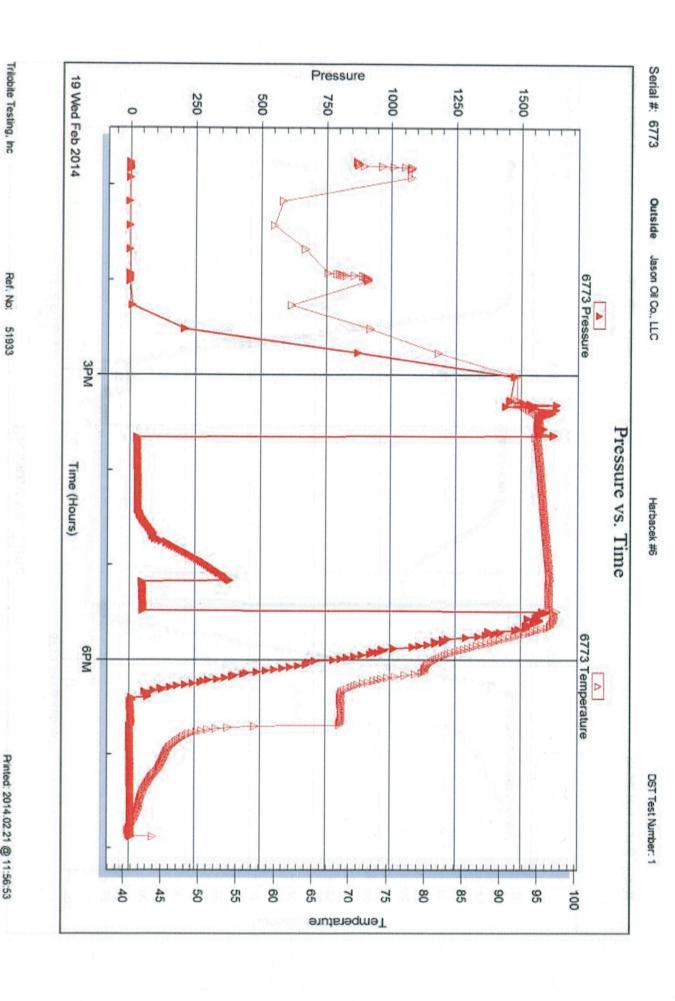
Serial #: none

Recovery Comments:



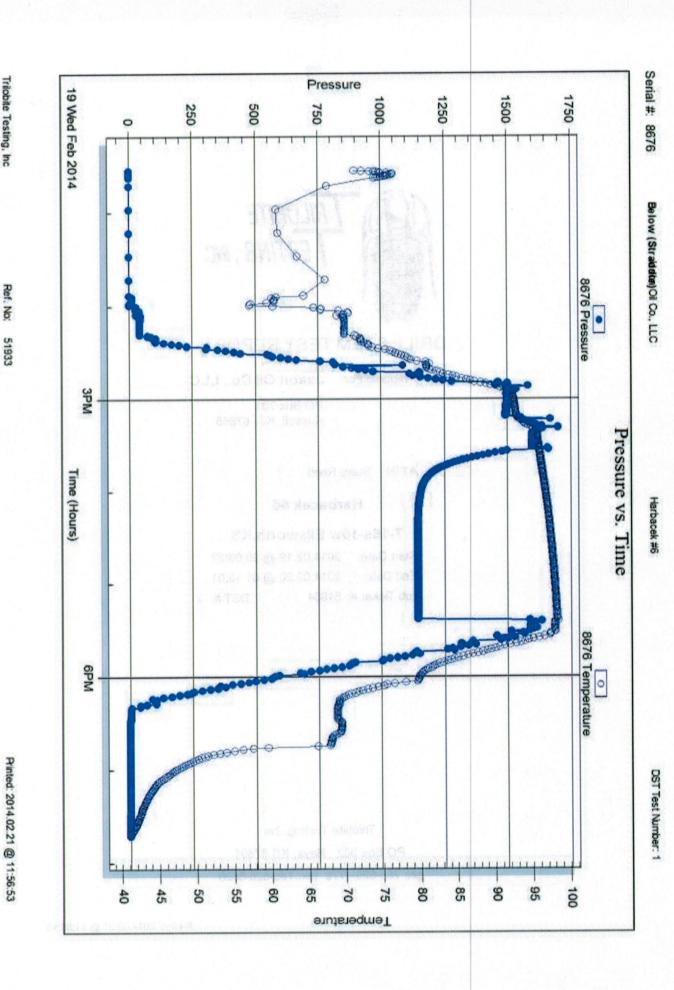
Triobite Testing, Inc.

Ref. No: 51933



Ref. No.

51933



Trilobite Testing, Inc.

Ref. No:

51933



Prepared For:

Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

### Harbacek #6

## 7-16s-10w Ellsworth,KS

Start Date: 2014.02.19 @ 20:06:22 End Date: 2014.02.20 @ 01:13:01

Job Ticket #: 51934

DST#: 2

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



Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51934

DST#: 2

Test Start: 2014.02.19 @ 20:06:22

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 21:29:17

Time Test Ended: 01:13:01

Interval: 3298.00 ft (KB) To 3315.00 ft (KB) (TVD) Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Matt Smith Tester:

Unit No:

Reference Elevations: 1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 6719

Press@RunDepth:

Outside

20.17 psig @ 2014.02.19

3299.00 ft (KB) End Date:

2014.02.20

Last Calib .:

Capacity:

8000.00 psig 2014.02.20

Time On Btm:

2014.02.19 @ 21:28:47

Start Date: Start Time:

20:06:22

End Time:

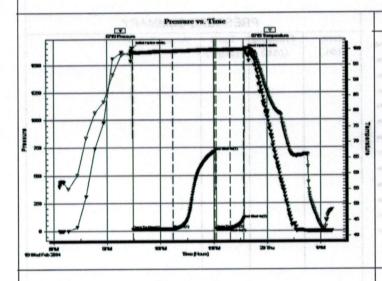
01:13:01

Time Off Btm:

2014.02.19 @ 23:35:02

TEST COMMENT: IF: Weak blow . Surf., - 1/2 ".

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



### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1653.16	99.23	Initial Hydro-static
1	11.84	98.81	Open To Flow (1)
46	17.47	99.49	Shut-In(1)
93	717.13	100.00	End Shut-In(1)
94	19.00	99.75	Open To Flow (2)
110	20.17	99.99	Shut-In(2)
125	106.33	100.09	End Shut-In(2)
127	1624.34	100.53	Final Hydro-static
			and the second s
	2		

#### Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 3%o 97%m	0.10
Recovery from r	multiple tests	

#### Gas Rates

Crioke (Inches)	riessuie (psig)	Gas Mate (Wichd)
100	ATTE WEEK MOD	\$1,000

Trilobite Testing, Inc Ref. No: 51934



Jason Oil Co., LLC

PO Box 701

Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51934

DST#: 2

Test Start: 2014.02.19 @ 20:06:22

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock:

0.00 ft (KB)

Time Tool Opened: 21:29:17 Time Test Ended: 01:13:01

3298.00 ft (KB) To 3315.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester:

Matt Smith

Unit No:

Reference Bevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8676

Below (Straddle)

Press@RunDepth:

psig @ 2014.02.19

3316.00 ft (KB)

End Date:

2014.02.20

Capacity:

8000.00 psig

2014.02.20

Last Calib .:

Time On Btm:

Time Off Btm:

Start Date: Start Time:

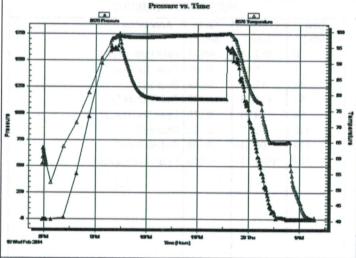
19:57:37

End Time:

01:17:16

TEST COMMENT: IF: Weak blow . Surf., - 1/2 ".

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



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

PRESSURE SUMMARY

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 3%o 97%m	0.10
1		

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 51934



Jason Oil Co., LLC

PO Box 701

Harbacek #6

Job Ticket: 51934

DST#: 2

Russell, KS 67665 ATTN: Steve Reed

Test Start: 2014.02.19 @ 20:06:22

#### GENERAL INFORMATION:

Formation: Arbuckle

Time Tool Opened: 21:29:17

No Whipstock: 0.00 ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Matt Smith

Unit No:

53

7-16s-10w Ellsworth, KS

Interval: Total Depth:

3298.00 ft (KB) To 3315.00 ft (KB) (TVD)

3400.00 ft (KB) (TVD)

Hole Diameter:

Start Time:

7.88 inches Hole Condition: Fair

Reference Bevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 6773

Outside

Time Test Ended: 01:13:01

psig @

3299.00 ft (KB) End Date:

2014.02.20

Capacity: Last Calib .: 8000.00 psig

2014.02.20

Time On Btm:

Time Off Btm:

Press@RunDepth:

Start Date:

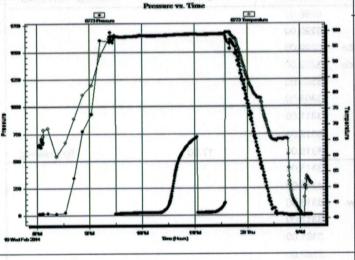
2014.02.19 20:02:19

End Time:

01:12:58

TEST COMMENT: IF: Weak blow . Surf., - 1/2 ".

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



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

Recovery Description Volume (bbl)

Length (ft) 0.10 20.00 SOCM 3%o 97%m

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Recovery from multiple tests Trilobite Testing, Inc Ref. No: 51934



**TOOL DIAGRAM** 

Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51934

DST#: 2

Test Start: 2014.02.19 @ 20:06:22

**Tool Information** 

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Pipe Above KB:

Depth to Top Packer:

Drill Collar:

Length:

Length: 3187.00 ft Diameter:

29.00 ft

3298.00 ft

3315.00 ft

17.00 ft

0.00 ft Diameter: 120.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume:

44.71 bbl 0.00 bbl 0.59 bbl 45.30 bbl

Tool Weight: Weight set on Packer: 26000.00 lb

2400.00 lb Weight to Pull Loose: 58000.00 lb

**Tool Chased** 

0.00 ft

String Weight: Initial 56000.00 lb 56000.00 lb

Final

Interval between Packers: Tool Length:

Depth to Bottom Packer:

Number of Packers:

119.00 ft 3 Diameter:

6.75 inches

Tool Comments:

<b>Tool Description</b>	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3279.00		
Shut In Tool	5.00			3284.00		
Hydraulic tool	5.00			3289.00		
Packer	4.00			3293.00	20.00	Bottom Of Top Packer
Packer	5.00		A 27 1 2	3298.00		
Stubb	1.00			3299.00		
Recorder	0.00	6719	Outside	3299.00		
Recorder	0.00	6773	Outside	3299.00		
Perforations	5.00			3304.00		
Blank Spacing	0.00			3304.00		
Perforations	7.00			3311.00		
Blank Off Sub	1.00			3312.00		
T.C.	3.00			3315.00	17.00	Tool Interval
Packer	0.00			3315.00		
Stubb	1.00			3316.00		
Recorder	0.00	8676	Below	3316.00		
Change Over Sub	1.00			3317.00		
Blank Spacing	64.00			3381.00		
Change Over Sub	1.00			3382.00		
Perforations	12.00			3394.00		
Bullnose	3.00			3397.00	82.00	Bottom Packers & Anchor

**Total Tool Length:** 

119.00



FLUID SUMMARY

Jason Oil Co., LLC

7-16s-10w Ellsworth, KS

PO Box 701

Harbacek #6

ft

bbl

psig

Russell, KS 67665

Job Ticket: 51934

DST#: 2

ATTN: Steve Reed

Test Start: 2014.02.19 @ 20:06:22

**Mud and Cushion Information** 

Mud Type:

Gel Chem

Mud Weight:

9.00 lb/gal 55.00 sec/qt

Viscosity: Water Loss: Resistivity:

7.97 in<sup>3</sup> 0.00 ohm.m

Salinity: Filter Cake: 4000.00 ppm 0.20 inches Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

4000 ppm

**Recovery Information** 

Recovery Table

Volume Description Length bbl 0.098 20.00 SOCM 3% o 97% m

Total Length:

20.00 ft

Total Volume:

0.098 bbl

Num Fluid Samples: 0

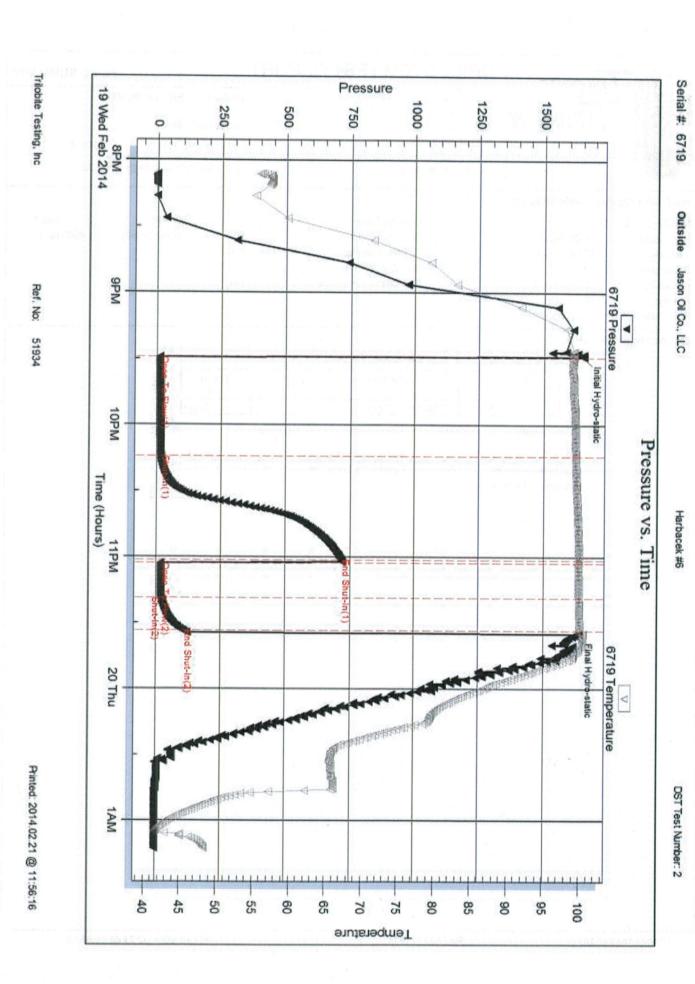
Laboratory Name:

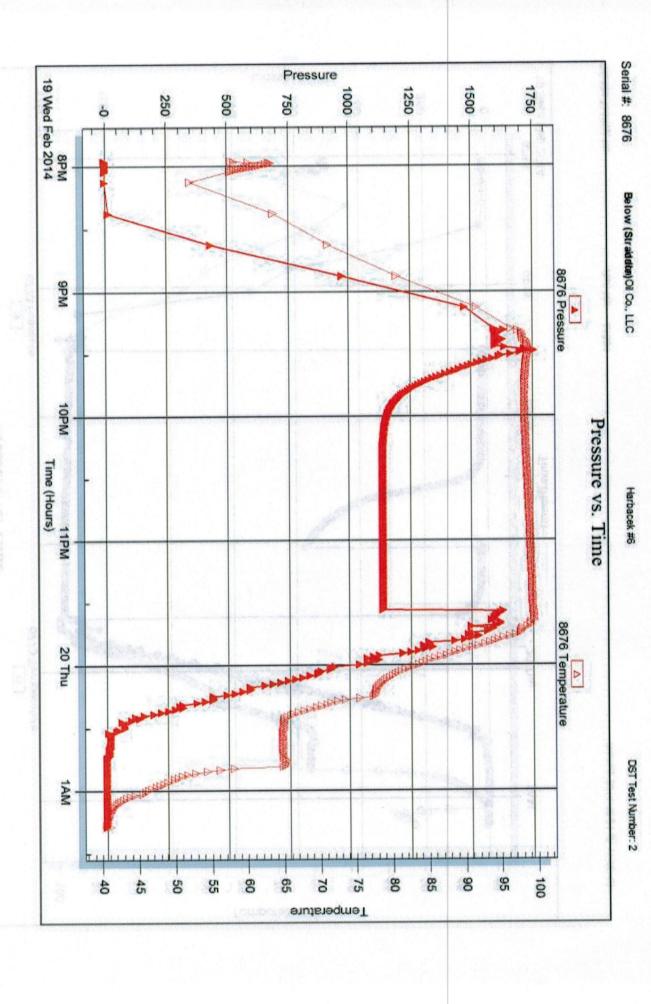
Recovery Comments:

Num Gas Bombs:

Laboratory Location:

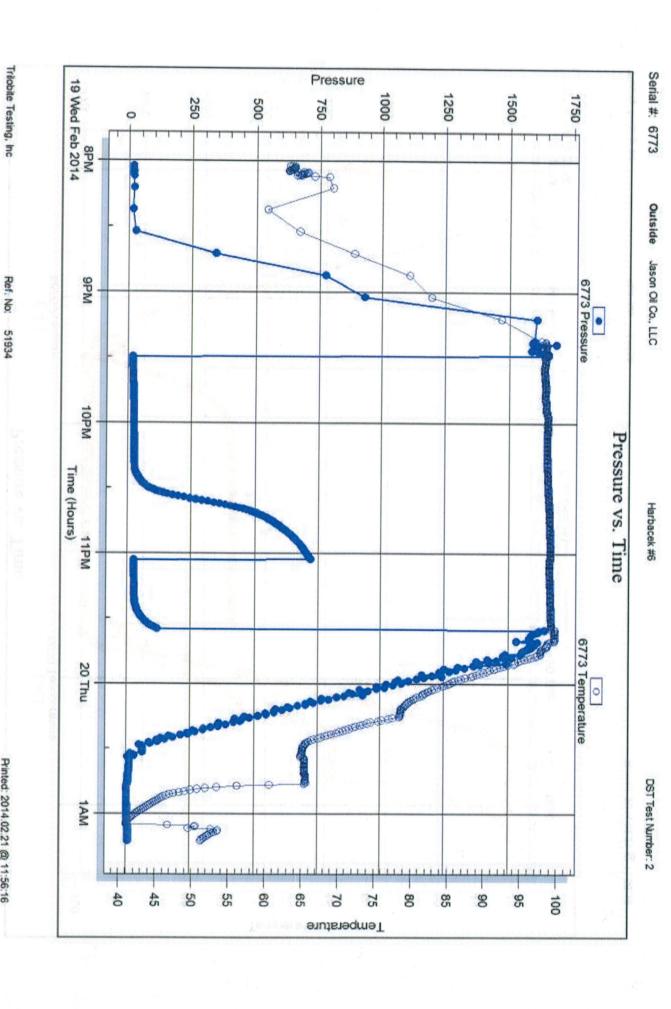
Serial #: none





Triobite Testing, Inc.

Ref. No: 51934



Ref. No: 51934



Prepared For: Jason Oil Co., LLC

PO Box 701

Russell, KS 67665

ATTN: Steve Reed

#### Harbacek #6

### 7-16s-10w Ellsworth, KS

Start Date: 2014.02.20 @ 05:11:23

2014.02.20 @ 11:40:17 End Date:

Job Ticket #: 51935 DST#: 3

Trilobite Testing, Inc.

PO Box 362 Hays, KS 67601

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



Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51935

**DST#: 3** 

Test Start: 2014.02.20 @ 05:11:23

#### **GENERAL INFORMATION:**

Formation:

Arbuckle

Deviated:

No Whipstock: 0.00 ft (KB)

Time Tool Opened: 06:51:18 Time Test Ended: 11:40:17

Interval:

3298.00 ft (KB) To 3325.00 ft (KB) (TVD)

Total Depth:

3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Matt Smith

Unit No:

Reference Bevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 6719

Press@RunDepth:

Outside

94.58 psig @ 2014.02.20

3299.00 ft (KB)

End Date:

2014.02.20

Capacity: Last Calib .: 8000.00 psig

Time On Btm:

2014.02.20 2014.02.20 @ 06:36:18

2014.02.20 @ 10:00:18

Start Date: Start Time:

05:11:23

End Time:

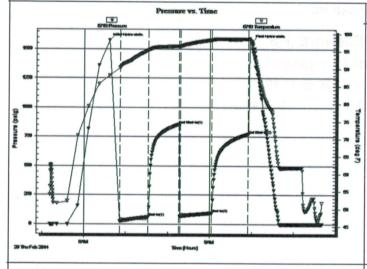
11:40:17

Time Off Btm:

TEST COMMENT: IF: Weak blow . B.O.B. in 30 mins.

ISI: Weak blow . Surf., - 1/2 ". FF: Weak blow . Surf., - 13 ".

FSI: No blow.



#### PRESSURE SUMMARY

			LOOOI	C OOMINATE	
	Time	Pressure	Temp	Annotation	
ı	(Min.)	(psig)	(deg F)		
ı	0	1573.69	88.01	Initial Hydro-static	
ı	15	23.81	90.24	Open To Flow (1)	
ı	56	61.41	95.30	Shut-In(1)	
	100	856.90	96.39	End Shut-In(1)	
	102	65.49	96.35	Open To Flow (2)	
	147	94.58	98.17	Shut-In(2)	
	199	774.27	98.43	End Shut-In(2)	
l	204	1566.07	95.67	Final Hydro-static	
	5				
	1, 1				

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	WCMGO 5%w 10%g 35%m 50%o	4.21
0.00	240' G.I.P.	0.00
· ·		
		100111
		V-379-23
Recovery from n	nultiple tests	

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 51935

Printed: 2014.02.21 @ 14:48:17



Jason Oil Co., LLC

PO Box 701 Russell, KS 67665 Harbacek #6

Job Ticket: 51935

DST#: 3

ATTN: Steve Reed

Test Start: 2014.02.20 @ 05:11:23

7-16s-10w Ellsworth, KS

#### GENERAL INFORMATION:

Formation:

Arbuckle

Time Tool Opened: 06:51:18

Deviated: No Whipstock: 0.00 ft (KB)

Test Type: Conventional Straddle (Reset)

Tester:

Matt Smith

Unit No:

Reference Elevations: 1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Interval: 3298.00 ft (KB) To 3325.00 ft (KB) (TVD)

Time Test Ended: 11:40:17

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 6773

Press@RunDepth:

Outside

psig @

3299.00 ft (KB) End Date:

2014.02.20

Capacity: Last Calib .: 8000.00 psig

Start Date:

2014.02.20

11:38:56

Time On Btm:

2014.02.20

Start Time:

05:06:32

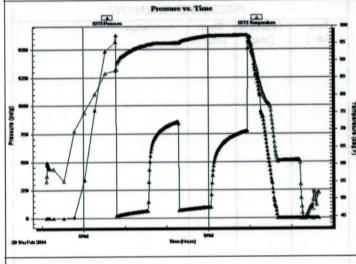
End Time:

Time Off Btm:

TEST COMMENT: IF: Weak blow . B.O.B. in 30 mins.

ISI: Weak blow . Surf., - 1/2 ". FF: Weak blow . Surf., - 13 ".

FSI: No blow.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
	/-		
	11		
	T None	CHUCKHON CO	
	1-1-		
A - Company	Nag-		

#### Recovery

Length (ft)	Description	Volume (bbl)
300.00	WCMGO 5%w 10%g 35%m 50%o	4.21
0.00	240' G.I.P.	0.00
Recovery from r	multiple tests	

#### Gas Rates

4.21	purple of their	PACAMED RISH METAL DESCRIPTION	00.005

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

Trilobite Testing, Inc Ref. No: 51935

Printed: 2014.02.21 @ 14:48:17



Jason Oil Co., LLC

PO Box 701

Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51935

DST#: 3

Test Start: 2014.02.20 @ 05:11:23

#### **GENERAL INFORMATION:**

Formation:

Arbuckle

Deviated:

No Whipstock:

0.00 ft (KB)

Time Tool Opened: 06:51:18 Time Test Ended: 11:40:17

Interval: 3298.00 ft (KB) To 3325.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Matt Smith

Unit No:

Reference Elevations:

1831.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8676

Below (Straddle)

Press@RunDepth:

psig @ 2014.02.20

3326.00 ft (KB) End Date:

2014.02.20

Capacity: Last Calib .: 8000.00 psig

Time On Btm:

2014.02.20

Start Date: Start Time:

05:01:11

End Time:

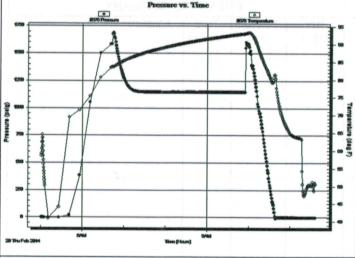
11:36:50

Time Off Btm:

TEST COMMENT: IF: Weak blow . B.O.B. in 30 mins.

ISI: Weak blow . Surf., - 1/2 ". FF: Weak blow . Surf., - 13 ".

FSI: No blow.



#### PRESSURE SUMMARY

$\perp$			120001	L OOMINATO
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
18		- /-		
N Cal			Makes I	
		protection traffice a		

#### Recovery

Length (ft)	Description	Volume (bbl)
300.00	WCMGO 5%w 10%g 35%m 50%o	4.21
0.00	240' G.I.P.	0.00
	7	
Recovery from m	nultiple tests	

#### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 51935

Printed: 2014.02.21 @ 14:48:17



TOOL DIAGRAM

Jason Oil Co., LLC

PO Box 701 Russell, KS 67665

ATTN: Steve Reed

7-16s-10w Ellsworth, KS

Harbacek #6

Job Ticket: 51935

**DST#:3** 

Test Start: 2014.02.20 @ 05:11:23

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar:

Length:

Drill Pipe Above KB:

40.00 ft 3298.00 ft 3325.00 ft

Depth to Bottom Packer: Interval between Packers: 27.00 ft Tool Length: 119.00 ft

Number of Packers:

Depth to Top Packer:

Length: 3318.00 ft Diameter:

0.00 ft Diameter:

Diameter:

3.80 inches Volume: 46.54 bbl 0.00 bbl 0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.00 bbl 46.54 bbl Tool Weight:

Weight set on Packer: 24000.00 lb Weight to Pull Loose: 56000.00 lb

0.00 ft Tool Chased String Weight: Initial 56000.00 lb

Final 56000.00 lb

Tool Comments:

3

6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00	TAN GASTA		3279.00	AND TRACE STATE	ACC NO.
Shut In Tool	5.00			3284.00	0.816863.5	
Hydraulic tool	5.00			3289.00	an toki cr	
Packer	4.00			3293.00	20.00	Bottom Of Top Packer
Packer	5.00			3298.00		
Stubb	1.00			3299.00		
Recorder	0.00	6719	Outside	3299.00		
Recorder	0.00	6773	Outside	3299.00		
Perforations	22.00			3321.00		
Blank Spacing	0.00			3321.00		
Perforations	0.00			3321.00		
Blank Off Sub	1.00			3322.00		
T.C.	3.00			3325.00	27.00	Tool Interval
Packer	0.00			3325.00		
Stubb	1.00			3326.00		
Recorder	0.00	8676	Below	3326.00		
Perforations	0.00			3326.00		
Change Over Sub	1.00			3327.00		
Blank Spacing	64.00			3391.00		
Change Over Sub	1.00			3392.00		
Perforations	2.00			3394.00		
Bullnose	3.00			3397.00	72.00	Bottom Packers & Anchor

**Total Tool Length:** 

119.00



**FLUID SUMMARY** 

Jason Oil Co., LLC

7-16s-10w Ellsworth, KS

PO Box 701

Harbacek #6

Job Ticket: 51935

ft

bbl

psig

DST#: 3

ATTN: Steve Reed

Russell, KS 67665

Test Start: 2014.02.20 @ 05:11:23

#### **Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity:

55.00 sec/qt 7.96 in<sup>3</sup>

Water Loss:

Resistivity:

Salinity: Filter Cake: 4000.00 ppm

0.00 ohm.m 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity:

4000 ppm

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
300.00	WCMGO 5%w 10%g 35%m 50%o	4.208
0.00	240' G.I.P.	0.000

Total Length:

300.00 ft

Total Volume:

4.208 bbl

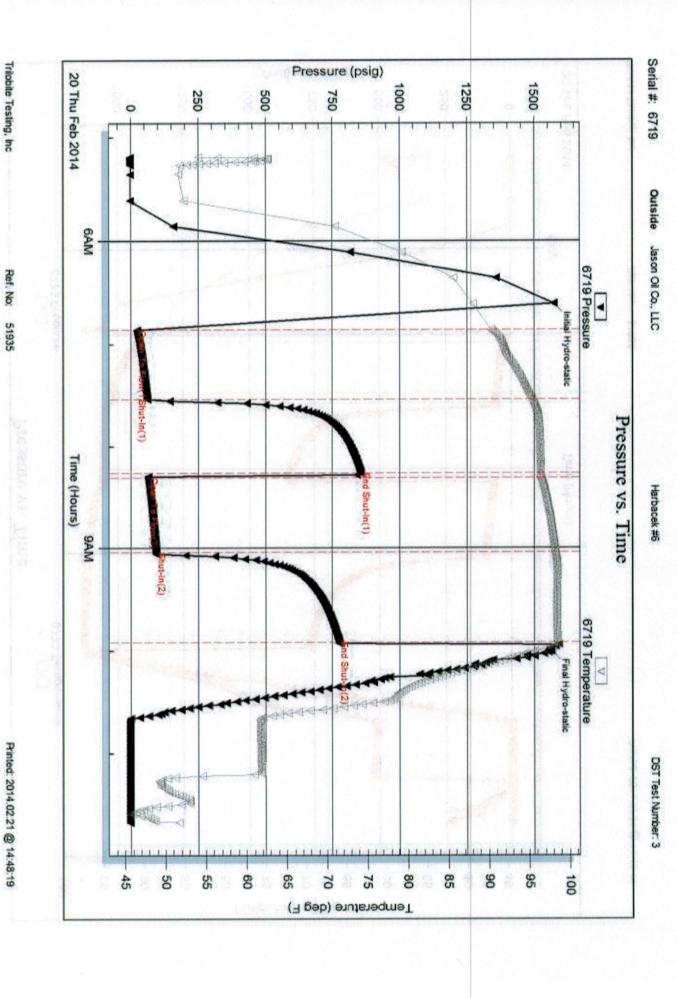
Num Fluid Samples: 0

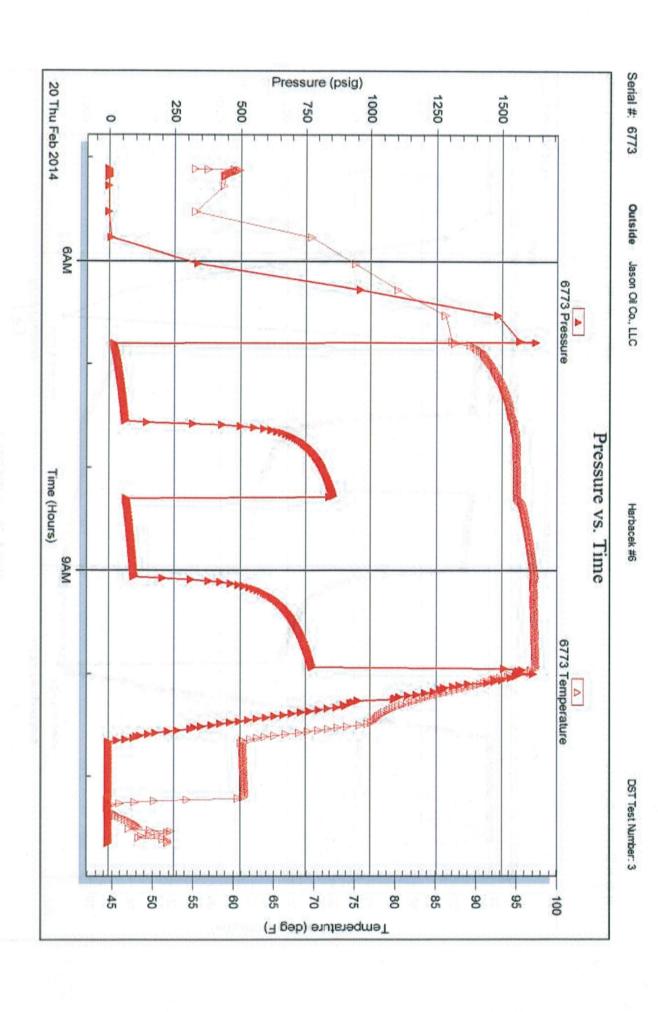
Num Gas Bombs:

Laboratory Location:

Serial #: none

Laboratory Name: Recovery Comments:



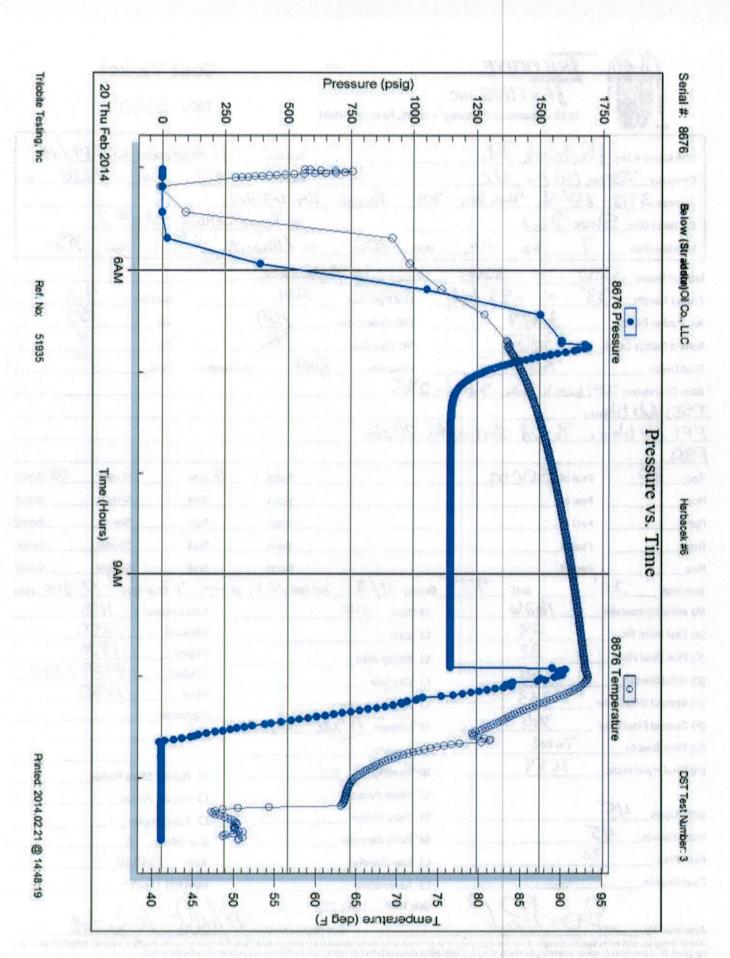


Trilobite Testing, Inc.

Ref. No.

51935

Printed: 2014.02.21 @ 14.48.19





# RILOBITE | ESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

# **Test Ticket**

No. 51933

						,
Well Name & No.	arbacek #le		Test No.	1 - Stendile D	ate 02/19	/14
Company Tason	프로그램 개설 이번 대한 프랑이 하지 않는다면 하면 하면 하면 하는데 하는데 하는데 하는데 하는데 되었다.		Elevation	1831	KB 182	4 GL
Address 3718- 8	322 st. D.O. Box	701 Russell	, KS. 6766	5	,	
Co. Rep / Geo. Sle	_		Rig Royal	Deilling	R19.11.2	
	7 Twp. 165	Rge. 10w				is.
Interval Tested 325	2 - 3305	Zone Tested A	Rbuckle			
Anchor Length 53		Drill Pipe Run		Muc	IWI. 916	ર
Top Packer Depth	3247	Drill Collars Run		Vis	.55	
Bottom Packer Depth	3252	Wt. Pipe Run		WL	8	
Total Deoth	3305		4,000 ppn	System LCN	1 194	
Blow Description TF	Weak blow. Surs,	- 21/4".	1			
EST: No blow						
FF: No blow,	Pulled test of	tex 20 pin				
FSI:	74054 (1 7 - 5 / 5 /					West and
	eet of SOCM		%gas	5 %oil	%water	95 %muc
	eet of		%gas	%oil	%water	%mu
	eet of		%gas	%oil	%water	%muc
The state of the s	eet of		%gas	%oil	%water	%muk
	eet of		%gas	%oil	%water	%muc
Rec Total20'		Gravity N/A		⊕ °F Ch	lorides 4	avo ppn
(A) Initial Hydrostatic	101	Test_ 1150	•		on 1/30	
(B) First Initial Flow	25	O Jars			1250	
(C) First Final Flow	22	Cl Safety Joint		T-Open		
(D) Initial Shut-In	2211	Circ Sub		T-Pulled	-1950	1725
(E) Second Initial Flow	2.3.3	☐ Hourly Standby _		T-Out	1950	
(F) Second Final Flow	396	Mileage (15)	124rt 192	Comments		
(G) Final Shut-In	Pulled	☐ Sampler	<b>Y</b>	•		
(H) Final Hydrostatic	1554		00		Obela Barker	
(1) 1 11 11 11 11 11 11 11 11 11 11 11 11		☐ Shale Packer		C Homoo	Shale Packer	
Initial Open 45		☐ Extra Packer		- (1	Packer	
Initial Shut-In 45		Extra Recorder _			opies	Same of the same of the same of
Final Flow 30		Day Standby			942.20	
Final Shut-In		Accessibility			Disc't	
	100	Sub Total 1942.2		10		
Approved By	De Veal		Representative X	PARIL	Sund	
Apploved by	ble for damaged of any kind of the property				tracthe for indirectly throu	oh the use of its



# RILOBITE | ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# **Test Ticket**

NO. 51934

Elevation	2-stendile_0a 1831	de 2-19-14
Elevation		CARL SALES OF STREET STREET, STREET STREET, ST
THE RESIDENCE OF THE PARTY OF T		(B 1824 GL
sell, Ks. 67	665	
Rig Roy	al Delling	Rig#Z
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d Arhuckle		
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7000	pin oysiem — Low	Lat 1 1 1 1 more many
2 / - /	11 - 12 14	The second of
	•	
%gas	3 %oil	%water 97%mu
%gas	%oil	%water %mu
APIRW N.C.	@ °F Chlo	rides 4,000 ppr
150		1/30
and D	T-Started	
Assistance (II	T-Open	2129
WE OF E	T-Pulled	2335
dby Chelman 1 13	T-Out	0113
tecephic (.)	Comments_	12.01 TO 10.01 THE LABOR TO 10.01
Section 2 Cd		ask-accepted facility
00		plants or had a load
on assentiation and production	The state of the s	
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	Rig Roy   Co.   E//     d	Rig   Royer   Tre tiling   S   Co.   E   Swort   Swo



# RILOBITE STING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# **Test Ticket**

NO. 51935

		. , , , ,
Well Name & No. HARBACK # 6	Test No. 3	- Stradile Date 2/20/14
company Jason Orl Co., LLC	Elevation	1831 KB 1824 GL
Address 3718 - 835 St. P.O. Bo	x 701 Russell, Ks. 4	7665
Co. Rep/Geo. Steve Reed	Rig Koy	al Derling Ry # 2
Location: Sec. 7 Twp. 165	Rge. 10w co. Ells	worth state K3.
Interval Tested 3298 - 3325	Zone Tested Arbuckle	
Anchor Length 27' - 75' tail	Drill Pipe Run 3318	Mud WI. 9.2
Top Packer Depth 3293	Drill Collars Run	Vis55
Bottom Packer Depth 3298	Wt. Pipe Run	
Total Depth 3325	Chlorides 4,000	ppm System LCM
Blow Description IF! Weak blow, B.	O.B. in 30min	
ISI! Week blow. Burs, - 1/2".		
FP: Weak blow. Sursy - 13"		
FSI: No blow.		
Rec 240' Feet of G.I.P.	%gas	%oil %water %mud
Rec 180' Feet of WCMGO	/0 %gas	50 %oil 5 %water 35 %mud
RecFeet of	%gas	%oil %water %mud
RecFeet of	%gas	%oil %water %mud
Rec Feet of	%gas	%oil %water %mud
Rec Total 180° BHT	Gravity N. A. APIRW N.C	· @ °F Chlorides 4,050 ppm
(A) Initial Hydrostatic 1574	Test1150	T-On Location
(B) First Initial Flow 24	C) Jars	T-StartedOS//
(C) First Final Flow 61	Cl Safety Joint	T-Open OGST
(D) Initial Shut-In857	Circ Sub	T-Pulled 0945
(E) Second Initial Flow 45	Hourly Standby	
(F) Second Final Flow 95	C) Mileage	Comments
(G) Final Shut-In 774	C) Sampler	
(H) Final Hydrostatic 15 lele	Straddle 600	
	Cl Shale Packer	
Initial Open 45	☐ Extra Packer	
Initial Shut-In 45	Extra Recorder	
Final Flow 45	Day Standby	1750
Final Shut-In 45	Accessibility	
0,800	Sub Total 1750	- 10 (,
Approved By	Our Representative	
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