

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

#### 1104313

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

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

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from 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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **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						
Letter of Confidentiality Received						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II Approved by: Date:						

Side Two

1104313

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach com line Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Electric Log Run  Electric Log Submitted Electronically  Yes No  Electric Log Submitted Electronically	
time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach combine Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Yes No  Yes No  Electric Log Run	
(Attach Additional Sheets)  Samples Sent to Geological Survey  Cores Taken  Yes No  Electric Log Run  Name  Top	bottom hole temperature, fluid
Samples Sent to Geological Survey	um Sample
Cores Taken         ☐ Yes         ☐ No           Electric Log Run         ☐ Yes         ☐ No	Datum
(If no, Submit Copy)	
List All E. Logs Run:	
CASING RECORD New Used  Report all strings set-conductor, surface, intermediate, production, etc.	
Purpose of String	Sacks Type and Percent Used Additives
ADDITIONAL CEMENTING / SQUEEZE RECORD	
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone  Depth Top Bottom Type of Cement # Sacks Used Type and Percent	Additives
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squee Specify Footage of Each Interval Perforated (Amount and Kind of Material U	
TUBING RECORD: Size: Set At: Packer At: Liner Run:	
Date of First, Resumed Production, SWD or ENHR.  Producing Method:  Flowing Pumping Gas Lift Other (Explain)	
Estimated Production Per 24 Hours  Oil Bbls. Gas Mcf Water Bbls. Gas-Oil	Ratio Gravity
DISPOSITION OF GAS:    METHOD OF COMPLETION:   PR	ODUCTION INTERVAL:

## QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 State County Range Twp. Sec. 8 24 Date Owner JASON Well No. To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. T.D. Hole Size Depth 220 State KS, Lollold Depth Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered Shoe Joint Cement Left in Csg Displace Meas Line EQUIPMENT Common Cementer Poz. Mix Pumptrk Helper NICK Driver No. Gel. Bulktrk Driver HEATH Driver No. Calcium Bulktrk Driver Casco JOB SERVICES & REMARKS Hulls Salt Remarks: Flowseal Rat Hole Kol-Seal Mouse Hole Mud CLR 48 Centralizers CFL-117 or CD110 CAF 38 Baskets Sand D/V or Port Collar Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets **AFU Inserts** Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount **Total Charge** X Signature

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

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Date   5   2   W. Namy   Location   Location	Cell 785-324-1041			Losingrous and in utra	street the rangersens	esteking* to throw
Lease To Contractor  Well No. 1  Owner  To Quality Olivell Cementing, inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as list cementer and helper to assist owner or contractor to do work as list cementer and helper to assist owner or contractor to do work as list cementer and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist owner or contractor to do work as list cement and helper to assist where or contractor to do work as list cement and helper to assist where or contractor to do work as list cement and helper to assist where or contractor to do work as list cement and helper to assist where or contractor to do work as list cement and helper to assist where or contractor to do work as list cement and helper to assist the or contractor to do work as list cement and helper to assist the or contractor to do work as list to assist the or contractor to do work as as list to assist the or contractor and helper to a	Sec.	Twp. Range	County	State	On Location	Finish
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Signature (Light Wayhold Signature (Light Wayh	X Signature Ata Man	ale x	come our transfer of abilities	MODELL CONTRACTOR	Total Charge	SUU SED EL EU





Prepared For: Jason Oil Co LLC

PO Box 701

Russell KS 67665+0701

ATTN: Jeff Lawler

#### John Goddard #1

#### 4-8s-24w Graham,KS

Start Date: 2012.11.03 @ 03:43:05

End Date: 2012.11.03 @ 10:02:50

Job Ticket #: 49366 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Jason Oil Co LLC

ESTING, INC.



4-8s-24w Graham, KS

John Goddard #1

KB to GB/CE:

Andy Carreira

Test Start: 2012.11.03 @ 03:43:05

Test Type: Conventional Bottom Hole (Initial)

Reference Bevations:

2012.11.03 @ 60.11.STOS

2012.11.03 @ 05:09:50

2012,11,03

gizq 00.0008

ft 00.8

2394.00 ft (CF)

2402.00 ft (KB)

DST#: 1

Job Ticket: 49366

Time Off Btm:

Time On Btm:

Unit No:

Tester:

Last Calib.:

Capacity:

10:02:50

2012,11.03

Russell KS 67665+0701 PO Box 701

ATTN: Jeff Law ler

ft (KB)

GENERAL INFORMATION:

Whipstock: Deviated: LKC "A,B &C" Formation:

Time Tool Opened: 05:11:10

Time Test Ended: 10:02:50

3705.00 ft (KB) (TVD) Total Depth: 3651.00 ft (KB) To 3705.00 ft (KB) (TVD) Interval:

7.88 inchesHole Condition: Poor Hole Diameter:

Press@RunDepth: Outside Serial #: 8372

@ gisq 80.49S

90:64:60 2012,11,03

Start Date:

Start Time:

ISI:(60min) No return TEST COMMENT: IF:(30min) 2" blow in 2 min. 8" blow in 6 min. BOB in 9 min.

FSI:(60min) No return FF:(30min) 2" in 3 min. 8" in 8 min. BOB in 12 min.

End Time:

End Date:

3654.00 ft (KB)

Rate (Mct/d)	hes) Pressure (psig) Gas	Oni) eyod			(1	dd) emuloV	scription	De:	(រូរ) បុរុស	Γeu
1/4	Rates	Cas					scovery	В		
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	Shut-In(2)		80.462	122	100	11			1/ 1	OGZ
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	Annotation	Temp (4 E)	Pressure (psig)	əmiT (Min.)	e Guilla	Seasophy Inn / T				- 0621
	YAAMMUS E	RESSURI	4d	Tricula i	agerica	ES72 Temperature	Pressure vs. Time	existent STE8		

00.009

MV w / oil spcks in tool



Jason Oil Co LLC

4-8s-24w Graham, KS John Goddard #1

PO Box 701

Job Ticket: 49366

**DST#: 1** 

Russell KS 67665+0701

ATTN: Jeff Lawler

Test Start: 2012.11.03 @ 03:43:05

GENERAL INFORMATION:

Formation: LKC "A,B &C"

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Andy Carreira

Unit No:

Reference Elevations:

2402.00 ft (KB)

2394.00 ft (CF)

Interval: Total Depth:

Time Tool Opened: 05:11:10

3651.00 ft (KB) To 3705.00 ft (KB) (TVD)

Hole Diameter:

3705.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor

KB to GR/CF:

8.00 ft

Serial #: 8017

Inside

Press@RunDepth:

Time Test Ended: 10:02:50

psig @

3654.00 ft (KB) End Date:

2012.11.03

Capacity: Last Calib .: 8000.00 psig

Start Date:

2012.11.03

Time On Btm:

2012.11.03

Start Time:

03:43:05

End Time:

10:02:50

Time Off Btm:

TEST COMMENT: IF:(30min) 2" blow in 2 min. 8" blow in 6 min. BOB in 9 min.

ISI:(60min) No return

FF:(30min) 2" in 3 min. 8" in 8 min. BOB in 12 min.

FSI:(60min) No return

1750	801	Pressure		9017 Temperat	186	1.0300	T 12
1500	_/	1		1	100		- 11
1290	-			1	06	1.6(1)(1)	- 10
1000	A	1	7	- 1		Lineway	- 00
750	1		1			1.1506 180°d	- 80
m 2	-	R 780 804		NC		4 (0.10)	- 70
250	/-	1			1	10	- 60
0 Sat Nov 2012		- COM	Time (Hours)		3_ 04M	1.	

#### PRESSURE SUMMARY Pressure Temp Annotation

	(Min.)	(psig)	(deg F)	Amotaton
	()	(1-13)	001	
			7.00	
	6/1	Special Control	60.0	
	pkst7	83.8	00.0	
Tempera			00.88	
erature			.00.r	
			00.30	
			90.6	
		0	0.44	
			100	

#### Recovery

Length (ft)	Description	Volume (bbl)
600.00	MW w / oil spcks in tool	8.15

#### Gas Rates

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

#### **MARDAID JOOT**

#### DRILL STEM TEST REPORT

6.75 inches

Total Volume:

2.25 inches Volume:

2.70 inches Volume:

3.80 inches Volume:

ESTING, INC

2

**11 ES.8** 

Length: 3610.00 ft Diameter:

29.23 ft Diameter:

0.00 ft Diameter:

JJ 00.47



S	J'K	µчи	Gra	Wþ	<b>7-</b> S	8-t
---	-----	-----	-----	----	-------------	-----

Final 45000.00 lb

2500.00 lb

DST#: 1

String Weight: Initial 42000.00 lb

Weight to Pull Loose: 52000.00 lb

Weight set on Packer: 24000.00 lb

Test Start: 2012.11.03 @ 03:43:05

Tool Chased

:thgiəVV looT

Job Ticket: 49366

John Goddard #1

Idd 87.03

1dd 41.0

ldd 00.0

1dd 4a.0d

Jason Oil Co LLC

Russell KS 6765+0701 PO Box 701

ATTN: Jeff Law ler

Information	looT
,	

Drill Collar: Heavy Wt. Pipe: Length: Drill Pipe:

Depth to Bottom Packer: JJ 00.188E Depth to Top Packer: Drill Pipe Above KB:

rength:

Tool Length: Interval between Packers: 54.00 ft

Number of Packers:

Tool Comments:

				74.00	Total Tool Length:
54.00 Bottom Packers & Anchor	3705.00	nyst s	411	3.00	əsouling
	3702.00			15.00	Perforations
	3687.00			1.00	Change Over Sub
	00.9898			32.00	adia Mino
	3654.00	<b>Outside</b>	2728	00.0	Recorder
	3654.00	əbisnl	7108	00.0	Recorder
	3654.00			00.r	Change Over Sub
	3653.00			00.1	Perforations
	3652.00			1.00	ddutS
The state of the s	3651.00	The second second second		00.4	Раскег
20.00 Bottom Of Top Packer	3647.00		a manifesta a manifesta	00.3	Packer
	3642.00			9.00	Hydraulic tool
	3637.00			9.00	looT nl tund
A Secretary of the State of the	3632.00			00.1	Change Over Sub
ccum. Lengths	Depth (ft)	Position	Serial No.	(ֈֈ) պենսə-	Tool Description



**FLUID SUMMARY** 

Jason Oil Co LLC

4-8s-24w Graham, KS

John Goddard #1

PO Box 701 Russell KS 67665+0701

Job Ticket: 49366

DST#: 1

ATTN: Jeff Law ler

Test Start: 2012.11.03 @ 03:43:05

**Mud and Cushion Information** 

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

Viscosity: Water Loss: 62.00 sec/qt 7.56 in<sup>3</sup>

Resistivity:

ohm.m

Salinity: Filter Cake: 400.00 ppm inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

psig

Oil API:

deg API

Water Salinity:

28000 ppm

**Recovery Information** 

Recovery Table

Volume Length Description bbl ft 8.150 600.00 MW w / oil spcks in tool

Total Length:

600.00 ft

Total Volume:

8.150 bbl

Num Fluid Samples: 0

Laboratory Name:

Recovery Comments:

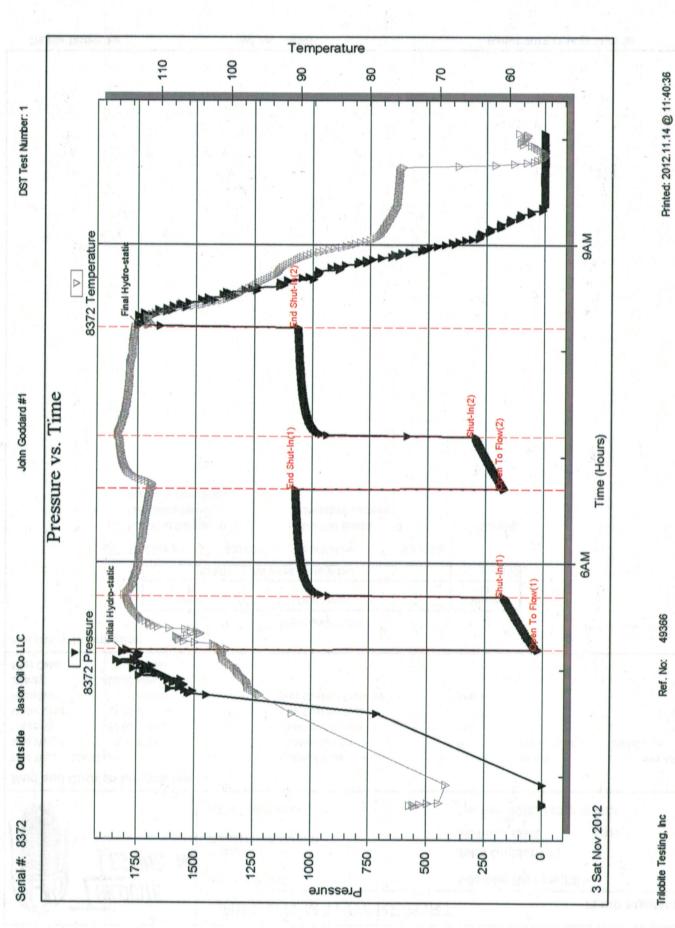
Num Gas Bombs: Laboratory Location:

Serial #:

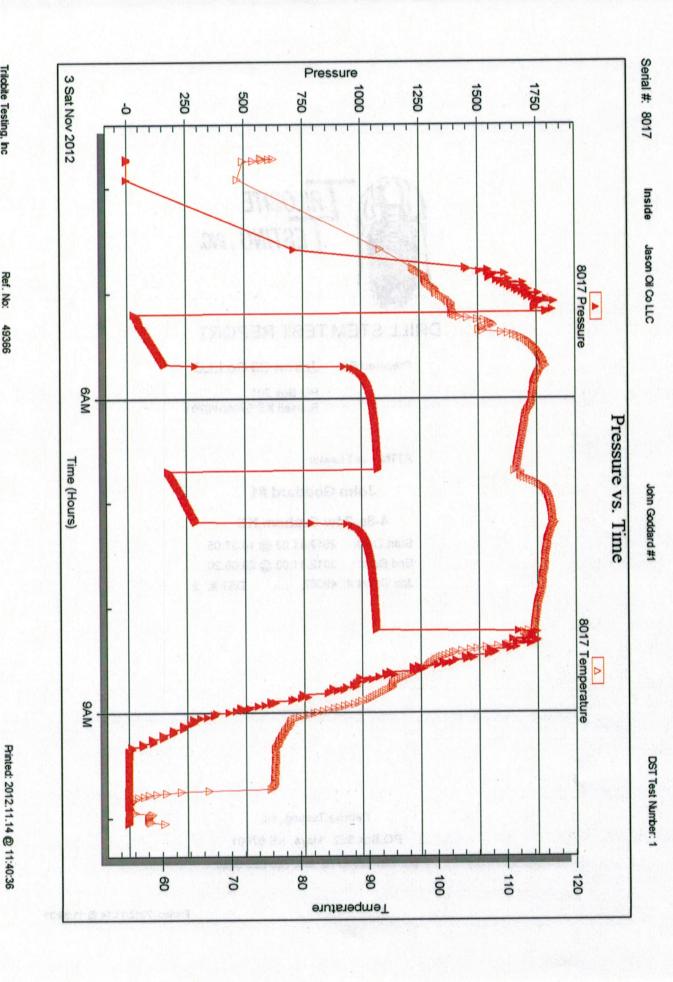
Trilobite Testing, Inc

Ref. No: 49366

Printed: 2012.11.14 @ 11:40:35



Trilobite Testing, Inc



Trilobite Testing, Inc

Ref. No: 49366

John Goddard #1

# RILOBITE INC.

#### DRILL STEM TEST REPORT

Prepared For: Jason Oil Co LLC

Russell KS 67665+0701 PO Box 701

ATTN: Jeff Lawler

John Goddard #1

4-8s-24w Graham,KS

Start Date: 2012.11.03 @ 16:37:05
End Date: 2012.11.03 @ 23:05:20
Job Ticket #: 49367 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+0701

ATTN: Jeff Law ler

4-8s-24w Graham, KS

John Goddard #1

Job Ticket: 49367

DST#: 2

Test Start: 2012.11.03 @ 16:37:05

#### GENERAL INFORMATION:

Formation:

LKC "D-F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:02:10 Time Test Ended: 23:05:20

Interval: 3701.00 ft (KB) To 3740.00 ft (KB) (TVD)

Total Depth: 3740.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No:

39

Reference Elevations: 2402.00 ft (KB)

2394.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8372

Press@RunDepth: 157.47 psig @

Outside

2012.11.03

3704.00 ft (KB)

End Date: 2012.11.03

Capacity: Last Calib .:

8000.00 psig

2012.11.03

Start Date: Start Time:

16:37:05

End Time:

23:05:20

Time On Btm:

2012.11.03 @ 18:01:10

Time Off Btm:

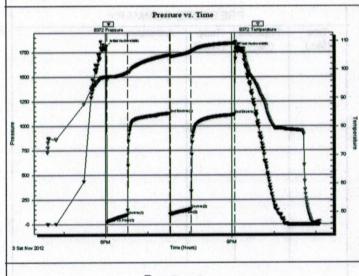
2012.11.03 @ 21:05:50

TEST COMMENT: IF:(30min) 2" blow in 2 min. 6" in 7 min. 8" in 10 min. BOB in 17min

ISI:(60min) No Return

FF:(30min) 2" blow in 4 min. 6" in 13 min. 8" in 16 min. BOB in 28 min.

FSI:(60min) No Return



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)	and the second second	
0	1812.49	97.48	Initial Hydro-static	
1	19.71	96.46	Open To Flow (1)	
30	98.54	98.92	Shut-In(1)	
91	1129.32	105.13	End Shut-In(1)	
91	102.14	104.74	Open To Flow (2)	
121	157.47	106.20	Shut-In(2)	
184	1118.06	109.29	End Shut-In(2)	
185	1779.93	109.74	Final Hydro-static	
			- A	
			Paul Land	
Mark Street	the second section of	April a market a	the second second second second second second	

#### Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOSMW g=5% o=tr m=25% w=70%	1.42
185.00	GOCWM g=10% o=10% w=30% m=509	6 2.60
10.00	GO g=10% o=90%	0.14
0.00	GIP=60ft	0.00
Recovery from r	multiple tests	

#### Gas Rates

THE STATE OF THE S	Choke (Inches)	Pressure (psig)	Gas Rate (MCI/d)
	ALLESS AND THE		

4-85-24w Graham, KS

Job Ticket: 49367

KB to GB/CE:

39

Reference Bevations: 2402.00 ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Andy Carreira

Time Off Btm: Time On Btm:

Last Calib.:

Capacity:

:oN JinU

Tester:

23:05:20

2012,11,03

Jason Oil Co LLC

ESTING, INC.

John Goddard #1

Test Start: 2012.11.03 @ 16:37:05

2012,11,03

gizq 00.0008

ff 00.8

2394.00 ft (CF)

DST#: 2

Russell KS 67665+0701 PO Box 701

ATTN: Jeff Law ler

GENERAL INFORMATION:

LKC "D-F"

Time Tool Opened: 18:02:10 Deviated: No Whipstock: ft (KB) Formation:

Time Test Ended: 23:05:20

Total Depth: 3740.00 ft (KB) (TVD) Interval: 3701.00 ft (KB) To 3740.00 ft (KB)

Hole Diameter: 7.88 inchesHole Condition: Poor

Press@RunDepth: əpisul Serial #: 8017

Start Time: 30:75:31 End Time: Start Date: 2012.11.03 End Date:

TEST COMMENT: IF:(30min) 2" blow in 2 min. 6" in 7 min. 8" in 10 min. BOB in 17 min

ISI:(60min) No Return

FSI:(60min) No Return FF:(30min) S" blow in 4 min. 6" in 13 min. 8" in 16 min. BOB in 28 min.

3704.00 ft (KB)

Temperature of the state of the	Gas Rate (Mct/d) Choke (inches) Pressure (psig) Gas Rate (Mct/d)	(ldd) ernuloV	GOCVVM 9=10% 0=10% w=30% m=50% GOSMVV 9=5% 0=10 m=25% w=70% Recovery	00.02 Co.00 Se.00
1 1 1 E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		00 -		000000000000000000000000000000000000000



TOOL DIAGRAM

Jason Oil Co LLC

PO Box 701

Russell KS 67665+0701

ATTN: Jeff Lawler

4-8s-24w Graham, KS

John Goddard #1

Job Ticket: 49367

DST#: 2

Test Start: 2012.11.03 @ 16:37:05

**Tool Information** 

Drill Pipe Above KB:

Drill Collar:

Drill Pipe: Length: 3672.00 ft Diameter:

Length:

Heavy Wt. Pipe: Length: 0.00 ft Diameter: 29.23 ft Diameter:

20.23 ft

ft

3.80 inches Volume: 51.51 bbl 2.70 inches Volume: 2.25 inches Volume:

0.00 bbl 0.14 bbl Total Volume: 51.65 bbl Tool Weight: Weight set on Packer: 24000.00 lb

2500.00 lb

Weight to Pull Loose: 52000.00 lb Tool Chased

String Weight: Initial 44000.00 lb

Final 46000.00 lb

Depth to Top Packer: 3701.00 ft Depth to Bottom Packer: 39.00 ft

Interval between Packers: Tool Length:

59.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3682.00	ga-rae) Lag t	
Shut In Tool	5.00			3687.00		
Hydraulic tool	5.00			3692.00		
Packer	5.00			3697.00	20.00	Bottom Of Top Packer
Packer	4.00			3701.00	odroski pro Vici	
Stubb	1.00			3702.00		
Perforations	1.00			3703.00		
Change Over Sub	1.00			3704.00		
Recorder	0.00	8017	Inside	3704.00		
Recorder	0.00	8372	Outside	3704.00		
Drill Pipe	32.00			3736.00		
Change Over Sub	1.00			3737.00		
Bullnose	3.00			3740.00	39.00	Bottom Packers & Anchor

**Total Tool Length:** 

59.00

#### FLUID SUMMARY

DST#: 2

mdq 00093

PA geb

#### DRILL STEM TEST REPORT

Jason Oil Co LLC

ESTING, INC **BILOBITE** 



4-85-24w Graham, KS

John Goddard #1

Job Ticket: 49367

Water Salinity:

:PA IiO

Test Start: 2012.11.03 @ 16:37:05

bisd

Serial #:

Russell KS 67665+0701 PO Box 701

ATTN: Jeff Law ler

Mud and Cushion Information

56.00 sec/qt lsg\dl 00.6 :: 314gi=VV buM Mud Type: Gel Chem

Salinity: Resistivity: Water Loss: Viscosity:

inches mqq 00.0001 шшцо

<sup>ε</sup>ni 79.7

Filter Cake:

Recovery Information

#### Recovery Table

əmulo V Idd	Description	Length ft
714.1	GOSMW g=5% o=tr m=25% w=70%	120.00
2.595	GOCWM g=10% o=10% w=30% m=50%	185.00
041.0	%06=0 %0L=6 O5	00.01
0.000	GIP=60ft	00.0

Gas Cushion Pressure:

Gas Cushion Type:

Cushion Volume:

Cushion Type:

Cushion Length:

4.152 bbl

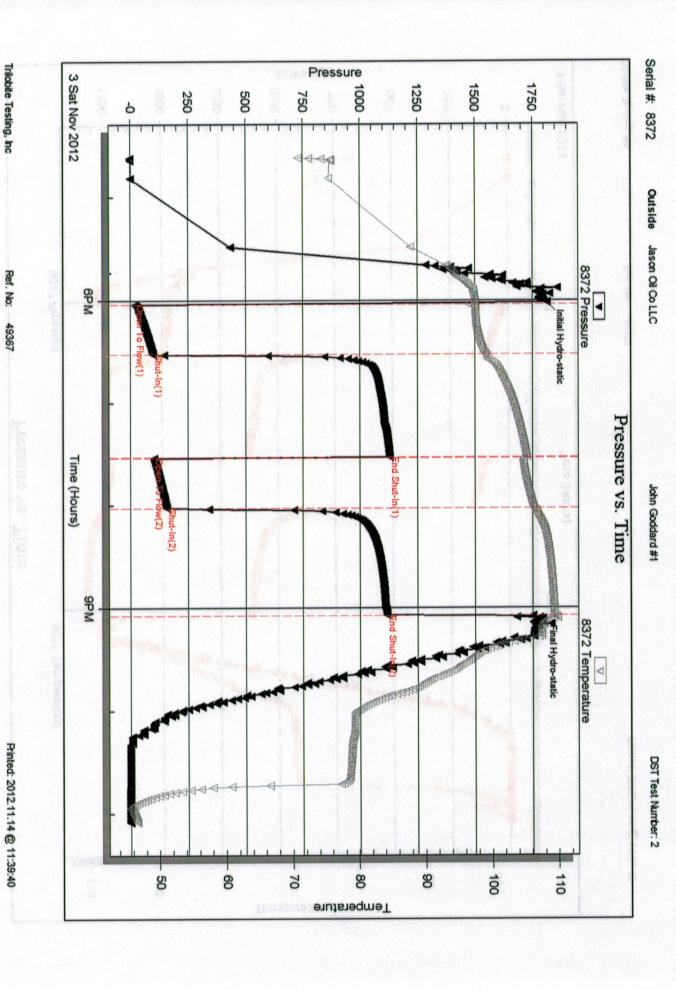
Num Gas Bombs: :emulo V lstoT

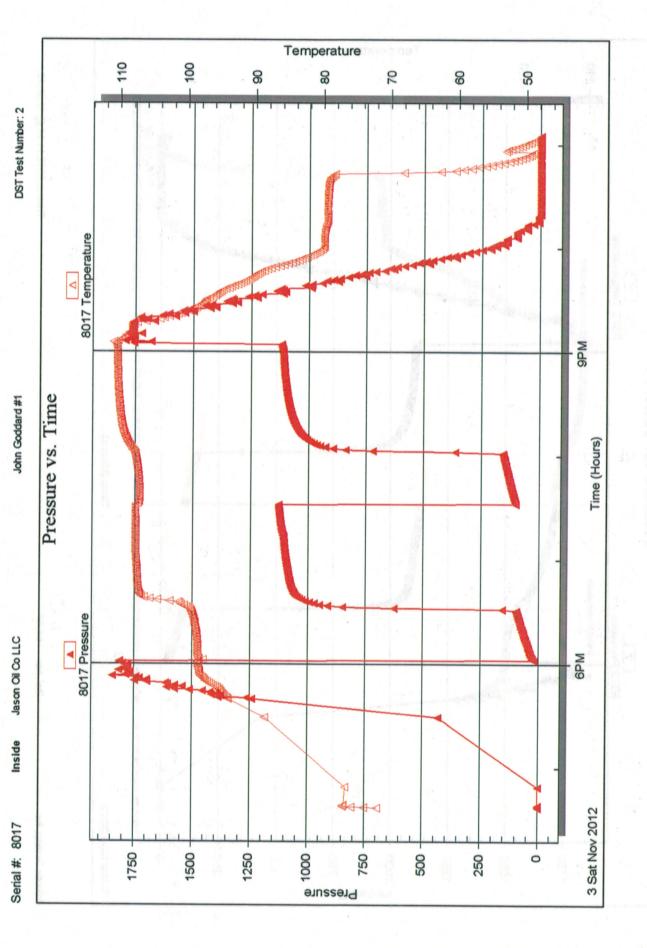
Num Fluid Samples: 0 315.00 ft Total Length:

Laboratory Location:

Recovery Comments:

Laboratory Name:





4936/





Prepared For: Jason Oil Co LLC

PO Box 701 Russell KS 67665+0701

ATTN: Jeff Lawler

#### John Goddard #1

#### 4-8s-24w Graham,KS

Start Date: 2012.11.04 @ 09:35:05

2012.11.04 @ 15:35:59 End Date:

Job Ticket #: IF DST #: 3

Trilobite Testing, Inc.

PO Box 362 Hays, KS 67601

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

4-85-24w Graham, KS

Jason Oil Co LLC

ESTING, INC. **BILOBITE** 

Test Start: 2012.11.04 @ 09:35:05

John Goddard #1

Russell KS 67665+0701 PO Box 701

DST#: 3 Job Ticket: IF

Andy Carreira

Test Type: Conventional Bottom Hole (Reset)

ATTN: Jeff Lawler

ft (KB)

GENERAL INFORMATION:

:Mhipstock: ON LKC "H-K"

:beyisted: Formation:

Time Tool Opened: 11:02:50

Time Test Ended: 15:35:59

3768.00 ft (KB) To 3850.00 ft (KB) (TVD) Interval:

3850.00 ft (KB) (TVD) Total Depth:

7.88 inchesHole Condition: Poor Hole Diameter:

Outside

gizq 00.0008

ff 00.8

2394.00 ft (CF)

2402.00 ft (KB)

2012,11,04

2012.11.04 @ 13:19:50

2012.11.04 @ 11:01:30

Time On Btm: Last Calib.: Capacity:

Unit No:

Tester:

Time Off Btm:

69:98:91 2012,11,04

End Date: 3772.00 ft (KB)

:9miT bn3

2012,11,04 @ gisq 88.604

Start Date: Press@RunDepth: Serial #: 8372

90:38:60

Start Time:

ISI:(30min) No Return TEST COMMENT: IF:(15min) BOB 3 min

FSI:(60min) No Return .nim & 808 (nim08):77

Pressure vs. Time

#### PRESSURE SUMMARY

KB to GB/CE:

39

Reference Bevations:

	100	100	
		1	1.0
	3.7	1.00	
			11.
		i v	
Final Hydro-static	14.411	1830.22	139
End Shut-In(2)	114.60	90.303	137
Shut-In(2)	115.83	98.60⊅	11
Open To Flow (2)	112.26	80.852	14
End Shut-In(1)	112.36	516.32	97
Shut-In(1)	112.20	229.20	<b>L</b> L
Open To Flow (1)	99'66	20.83	2
Initial Hydro-static	100.54	1866.42	0
	(deg F)	(bisq)	(.niM)
Annotation	dməT	Pressure	əmiT
TARIVINOS	AUGGEZ	14	

98

#### Gas Rates

		<u> </u>	
Gas Rate (Mct/d)	Pressure (psig)	Choke (inches)	T

		_		-
61	900	2	1.	
N	ONC	20	Δ.	

	steets eldtilu	Recovery from m
60.03	%00L=0 OO	2.00
2.31	OCWM 0=10% w=20% m=70%	165.00
4.42	SOCMW 0=5% m=20% w=75%	315.00
94.4	%06= w %01=m 13=0 VMRO	00.818
86.0	%08=m %02= w 1j=o MWSO	00.09
(ldd) əmuloV	Description	Length (ft)



Jason Oil Co LLC

4-8s-24w Graham, KS

John Goddard #1

PO Box 701

Job Ticket: IF

DST#: 3

Russell KS 67665+0701 ATTN: Jeff Law ler

Test Start: 2012.11.04 @ 09:35:05

GENERAL INFORMATION:

Formation:

LKC "H-K"

Deviated:

No Whipstock:

ft (KB)

Time Tool Opened: 11:02:50 Time Test Ended: 15:35:59

Interval:

3768.00 ft (KB) To 3850.00 ft (KB) (TVD)

Total Depth:

3850.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Reset)

Tester:

Andy Carreira

Unit No:

Reference Elevations:

2402.00 ft (KB)

2394.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8017 Press@RunDepth: Inside

psig @ 2012.11.04

3772.00 ft (KB) End Date:

2012.11.04

Capacity: Last Calib .: 8000.00 psig

End Time:

15:35:59

Time

Time On Btm:

2012.11.04

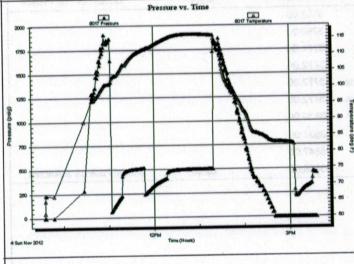
Start Date: Start Time:

09:35:05

Time Off Btm:

TEST COMMENT: IF:(15min) BOB 3 min

ISI:(30min) No Return FF:(30min) BOB 5 min. FSI:(60min) No Return



#### Annotation Pressure Temp

PRESSURE SUMMARY

	(deg F)	(psig)	(Min.)	15
	66.1			10
	60.5	roe		05
	00.0	100	inci s	6 1
	60 NB 1			emper
	00 1			ature (
	60.6t			re (deg F)
g8008 J8	00.8			6
Total York Length.	201			70 95 90

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM o=tr w =20% m=80%	0.58
318.00	OSMW o=tr m=10% w =90%	4.46
315.00	SOCMW o=5% m=20% w =75%	4.42
165.00	OCWM o=10% w=20% m=70%	2.31
2.00	CO o=100%	0.03
77777		

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MCt/d)
_			

#### **MARDAID JOOT**

DST#: 3

#### DRILL STEM TEST REPORT



SH'u	Grahan	W42-28-4

Test Start: 2012.11.04 @ 09:35:05

John Goddard #1

Job Ticket: IF

Jason Oil Co LLC

Russell KS 67665+0701 PO Box 701

ATTN: Jeff Law ler

Information	looT

			e9noni 27.9	Diameter:	2	Number of Packers:
					1102.00 ft	Tool Length:
					JJ 00.28	Interval betw een Packers:
al 00.00018	Final				11	Depth to Bottom Packer:
dl 00.00084	String Weight: Initial				<b>11 00.8878</b>	Depth to Top Packer:
ff 00.0	Tool Chased	52.52 bbi	:emuloV lstoT		15.23 ft	Drill Pipe Above KB:
dl 00.00088	Weight to Pull Loose:	1dd 41.0	2.25 inches Volume:	Diameter:	11 ES.23	Drill Collar: Length:
	Weight set on Packer:	144 00.0	2.70 inches Volume:	Diameter:	ff 00.0	Heavy Wt. Pipe: Length:
2500.00 lb	:JdbiəVV looT	52.38 bbl	3.80 inches Volume:	Diameter:	11 00.487E	Drill Pipe: Length:
						Homelinen in a

Tool Comments: 6.75 inches

	3749.00			00.1	Change Over Sub
Accum. Lengths	Depth (ft)	Position	Serial No.	(ֈֈ) պյճսə¬	Tool Description

				102.00	Total Tool Length:
82.00 Bottom Packers & Anchor	3850.00			3.00	esouling
	3847.00			10.00	Perforations
	3837.00			00.1	Change Over Sub
	00.888			00.49	Drill Pipe
	3772.00	Outside	2758	00.0	Recorder
	3772.00	əbiznl	7108	00.0	Recorder
	3772.00			00.1	Change Over Sub
	00.1778			2.00	Perforations
	00.6978			1.00	Stubb
9.1	3768.00		e a rathus leges to	00.4	Раскег
20.00 Bottom Of Top Packer	3764.00		a military to a	6.00	Раскег
	3759.00			9.00	Hydraulic tool
	3754.00			00.3	Shut In Tool
10 10 10 10 10 10 10 10 10 10 10 10 10 1	3749.00			1.00	Change Over Sub



**FLUID SUMMARY** 

Jason Oil Co LLC

4-8s-24w Graham, KS

John Goddard #1

PO Box 701 Russell KS 67665+0701

Job Ticket: IF

ft

bbl

psig

DST#: 3

ATTN: Jeff Law ler

Test Start: 2012.11.04 @ 09:35:05

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

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

56.00 sec/qt 7.98 in<sup>3</sup>

Water Loss: Resistivity:

ohm.m

Salinity: Filter Cake: 1000.00 ppm inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

40000 ppm

**Recovery Information** 

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWM o=tr w =20% m=80%	0.575
318.00	OSMW o=tr m=10% w=90%	4.461
315.00	SOCMW o=5% m=20% w =75%	4.419
165.00	OCWM o=10% w =20% m=70%	2.315
2.00	CO o=100%	0.028

Total Length:

860.00 ft

Total Volume:

11.798 bbl

Num Fluid Samples: 0

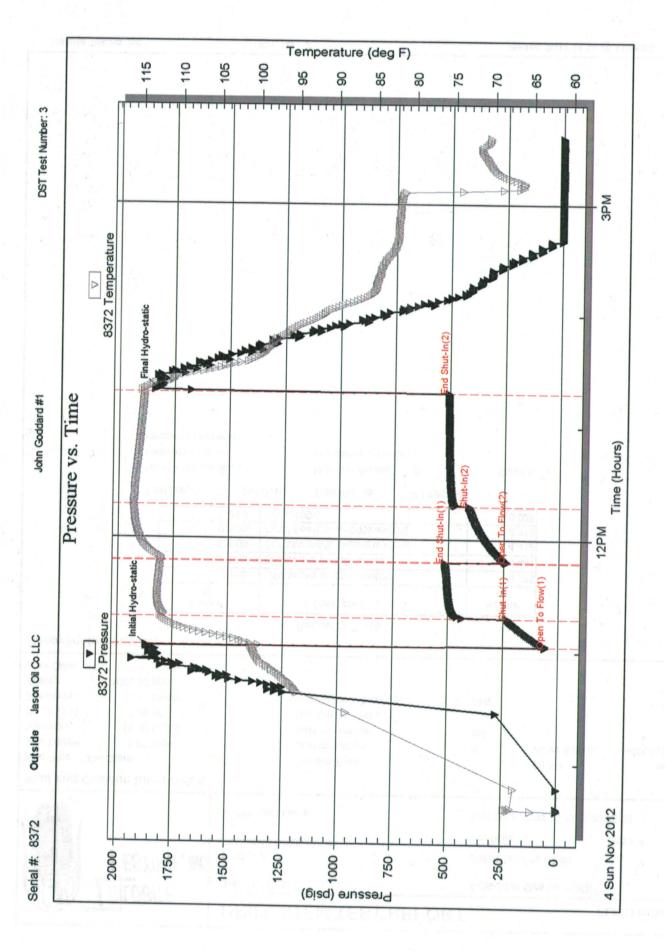
Num Gas Bombs: Laboratory Location:

Serial #:

Laboratory Name:

Recovery Comments:

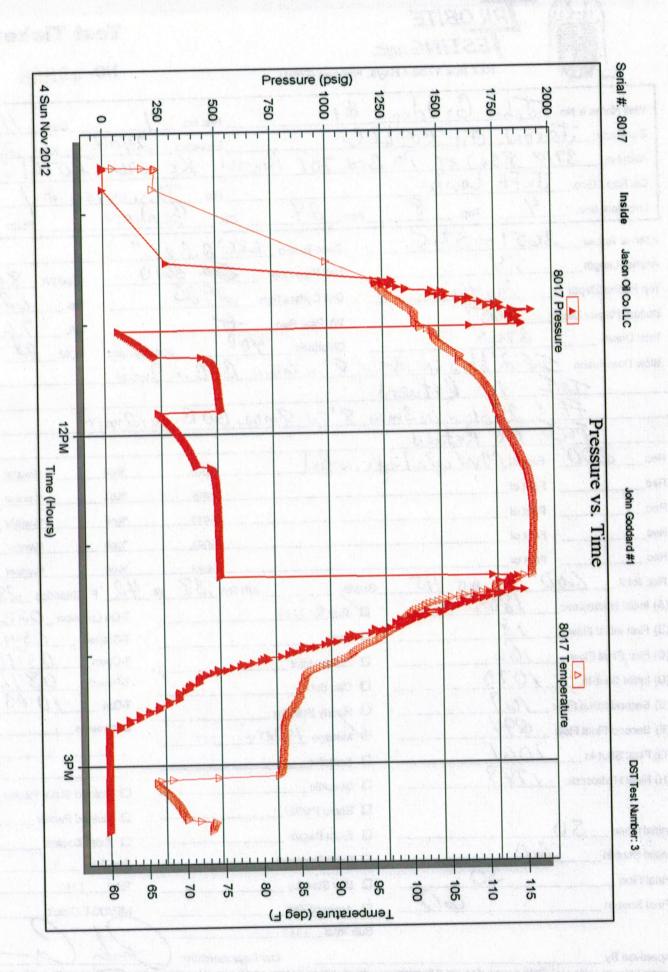




Trilobite Testing, Inc

Ref. No: IF

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Trilobite Testing, Inc

Ref. No:

Printed: 2012.11.14 @ 11:38:32

#### Test Ticket

99867 ON

Date

060+59969

Mud Wt.

Mahaso

State

13301

11-3-17

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OSIT > ISOI	508	2/	lydrostatic_	H leitinl (A)
Gravity	BHT 1/3°	.0	99	Rec Total
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		Feet of	-	Нес
		Teet of	_	ЭеЯ
	-	Feet of	-	Вес
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Chlorides 2	501	18	- th	qeQ lstoT
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Drill Collars Run	9499	>	er Depth	Тор Раск
Drill Pipe Run			No.	Anchor L
Zone Tested	5018-1	365		Interval T
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The BOA	S .qwT	4	.592 :nc	Locatic
	7 LOW/80	430	p / Geo.	Co. Re
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ays, Kansas 67601	H+66/1 X0B:0:1		01/1	V.
		1		
31	ESTING IN			
	BILOBITE	7		
6				

Trilobite Testing inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffigued or surging the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made. Approved By Our Representative, Sub Total 1367 MP/DST Disc't Accessibility Final Shut-In LSET Total Day Standby Final Flow 20 Sub Total ☐ Extra Recorder Initial Shut-In ☐ Extra Copies ☐ Extra Packer Initial Open 05 ☐ Ruined Packer ☐ Shale Packer ☐ Ruined Shale Packer ☐ Straddle (H) Final Hydrostatic ☐ Sampler nl-tud2 Isni7 (D) CA Mileage 140 RTC (F) Second Final Flow Comments ☐ Hourly Standby (E) Second Initial Flow 80:01 tuO-T irc Sub LPulled T T-Open\_ afety Joint Ch150 T-Started T-On Location 25:80 > 150 OSTI 42 °F Chlorides 28000 wdd SE. WA 19A рпш% %water 110% %das рпш% %water 110% SPD% рпш% %water 110% seb% pnu% %water 110% seb% pnu% %water 110% seb% **FCW** Chlorides MF Wt. Pipe Run SIA

TKC"

113550

Co.

**BIH** 

Elevation

Test No.



# RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

#### **Test Ticket**

NO. 49367

4/10	throughout the second of the s	
Well Name & No. John Gosd	RRJ #/ Test No	Date 11-3-12
Company JASON Oil Co-		on 2402 KB 2394 GL
Address 37/8 8300 St POB		67645+0701,
Co. Rep/Geo. JEFF LAWIER	Rig	DISCOVERY 3/
Location: Sec. 4 Twp. 8	Rge. 24 Co. (	SRAHAM State KS
nterval Tested 370   -3740	Zone Tested LKC"D	
	Drill Pipe Run 3672	L Mud Wt. 8:7
op Packer Depth 39	Drill Collars Run 29.2	23 Vis 56
17-1	$\sim$	WL 8.0
ottom Packer Depth 3701	YVI. Fipe Hull	11.1
otal Depth 3746	Chlorides 1000	
Blow Description 55:2"6 low ING	XMIN'R IN IMIN'S IV	10 min, BOB 17 min.
ISI NO RETURN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	~ 16min, BOB: ~ 28mil
	min, 4 IN 13 min, 0 1	r /omin, 13 c B , N DO MIN
PSI: No Retuer	/ <i>O</i> %ga	as 90 %oil %water %mu
rec /O Feet of 55 GO	78/65/	10 10
ec 185 Feet of GOCWM	/0%ga	
dec 120 Feet of GOSMW		
Rec Feet of	%ga	
RecFeet of	%ga	
Rec Total 3/5' BHT 10°	/	236 @ 40 °F Chlorides 56000 pp
A) Initial Hydrostatic 1812	Test1150	T-On Location
B) First Initial Flow 19	☐ Jars	T-Started /6:37 T-Open /8:03
C) First Final Flow 98	□ Safety Joint	T-Pulled 2/:03
D) Initial Shut-In 1129	Circ Sub	T-Out 23:06
E) Second Initial Flow	Hourly Standby	Comments
F) Second Final Flow	Mileage /HURT 217	
(G) Final Shut-In //18	Sampler	
(H) Final Hydrostatic 1779	Straddle	☐ Ruined Shale Packer
Succession and the second seco	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	
Initial Shut-In 60	Extra Recorder	Sub Total0
2 /	Day Standby	Total 1367
(-1)	Accessibility	MP/DST Disc't
Final Shut-In		()1()
	Sub Total 1367	

#### **Test Ticket**

ESTING INC.



Approved By

89867 ON

P.O. Box 1733 • Hays, Kansas 67601

() (	Ub Total 1367	s	
1'osid Ted\qM	Accessibility Accessibility	09	nl-tud2 leni
Tale 1367	Day Standby	30	wol Flow
O listoT du2	1 Extra Recorder	08	nl-turk2 latities
Extra Copies	1 Extra Packer		S nego listin
☐ Ruined Packer	J Shale Packer		
☐ Ruined Shale Packer	elbbatt2 L	1830	H) Final Hydrostatic
CD State of the st	Sampler_	50.5	ol-fund Shut-In
Comments	Mileage 140gT 217	60%	F) Second Final Flow
98:5/ Ino-1	Hourly Standby	920	E) Second Initial Flow
81:8/ pelluq-T	Circ Sub		
£0:// uədo-1	InioL Vieles C	929	
T-Started 09:35	and L	8-5	8) First Initial Flow
T-On Location OS:45	OSIT → ISO		A) Initial Hydrostatic
S F Chlorides 4000 ppm	@ PT L, WA 19A VIVE		Rec Total
oum SO %water 80%mud		eet of 05 W PM	
oum 90 %water 10%mud	_ seb%	WM 20 to 199	V
S water 30 %mud	seb%	W M 2000 100	
10 %oil 30 %water 70%mud	seb%	eet of OCUM	
burn, F 1916w, B 110%	seb%	1.O to 199	1.11
00,		No Refued	Tel
	WALL OF THE STREET	N:MS 8108/	14
			TSI
STATE OF THE STATE		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Blow Description
System LCM / S	Chlorides 100 0 ppm	2882	Total Depth
0.8 JW	W. Pipe Run	3918	Bottom Packer Depth_
9.5 siv	Drill Collars Run 39,33	2768	Top Packer Depth
Mud Wt. 8.7	Drill Pipe Run 3734		Anchor Length
The state of the s	Zone Tested LKC"H-K"	- 68	
S State KS		2588-890	
14 have	0 50		Location: Sec.
1060 + 5976	0 51 1 365 4 1 1 1	1 (0)	Co. Rep / Geo.
	5 76   Assession 2   105 X6		Address 3175
TOLU BIPO	.on test No.		Company
81-4-18	- A	# Carbrod whol	Well Name & No.
AND			Wheth Old

Approved by Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its estatements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the feet is made.

Our Representative