

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

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: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. 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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

P.O. Box 48788  
Wichita, KS 67201

ATTN: Kevin Kessler

### **Burdett Trust #1**

#### **28-20s-23w Ness Co., KS**

Start Date: 2018.09.18 @ 21:20:17

End Date: 2018.09.19 @ 11:38:47

Job Ticket #: 64703                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.09.19 @ 16:59:17



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co Inc

**28-20s-23w Ness Co., KS**

P.O. Box 48788  
Wichita, KS 67201

**Burdett Trust #1**

Job Ticket: 64703

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2018.09.18 @ 21:20:17

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:32

Time Test Ended: 11:38:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

**Interval: 4255.00 ft (KB) To 4365.00 ft (KB) (TVD)**

Reference Elevations: 2212.00 ft (KB)

Total Depth: 4365.00 ft (KB) (TVD)

2201.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8931 Inside**

Press@RunDepth: 450.86 psig @ 4256.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.09.18

End Date:

2018.09.19

Last Calib.:

2018.09.19

Start Time:

21:20:22

End Time:

11:38:47

Time On Btm:

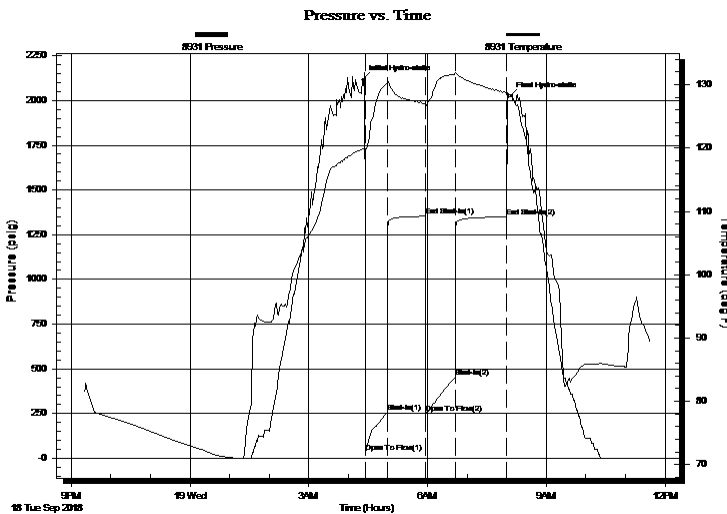
2018.09.19 @ 04:21:47

Time Off Btm:

2018.09.19 @ 08:03:47

**TEST COMMENT:** IF: Strong blow .B.O.B. in 13 mins. Built to 25 1/4".  
IS: No blow .  
FF: Strong blow . B.O.B. in 14 mins. Built to 28 3/4".  
FS: No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.98	119.85	Initial Hydro-static
5	31.70	119.61	Open To Flow (1)
37	256.31	130.23	Shut-In(1)
95	1353.34	127.01	End Shut-In(1)
96	250.84	126.54	Open To Flow (2)
141	450.86	131.65	Shut-In(2)
218	1349.61	128.79	End Shut-In(2)
222	2020.32	128.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 98% m 2% w	0.59
120.00	WCM 85% w 15% m	0.59
496.00	WCM 70% w 30% m	6.96
217.00	MCW 95% m 5% w	3.04

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Raymond Oil Co Inc

**28-20s-23w Ness Co., KS**

P.O. Box 48788  
Wichita, KS 67201

**Burdett Trust #1**

Job Ticket: 64703

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2018.09.18 @ 21:20:17

## Tool Information

Drill Pipe:	Length: 4005.00 ft	Diameter: 3.80 inches	Volume: 56.18 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 57.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4255.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4228.00	
Shut In Tool	5.00			4233.00	
Hydraulic tool	5.00			4238.00	
Jars	5.00			4243.00	
Safety Joint	3.00			4246.00	
Packer	4.00			4250.00	28.00 Bottom Of Top Packer
Packer	5.00			4255.00	
Stubb	1.00			4256.00	
Recorder	0.00	8931	Inside	4256.00	
Recorder	0.00	8792	Outside	4256.00	
Perforations	2.00			4258.00	
Change Over Sub	1.00			4259.00	
Blank Spacing	93.00			4352.00	
Change Over Sub	1.00			4353.00	
Perforations	9.00			4362.00	
Bullnose	3.00			4365.00	110.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>138.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Co Inc

**28-20s-23w Ness Co., KS**

P.O. Box 48788  
Wichita, KS 67201

**Burdett Trust #1**

Job Ticket: 64703

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2018.09.18 @ 21:20:17

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

51000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MCW 98% <i>m</i> 2% <i>w</i>	0.590
120.00	WCM 85% <i>w</i> 15% <i>m</i>	0.590
496.00	WCM 70% <i>w</i> 30% <i>m</i>	6.958
217.00	MCW 95% <i>m</i> 5% <i>w</i>	3.044

Total Length: 953.00 ft

Total Volume: 11.182 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW 1.34 @ 80 degrees = 51000 Chlorides.



Serial #: 8931

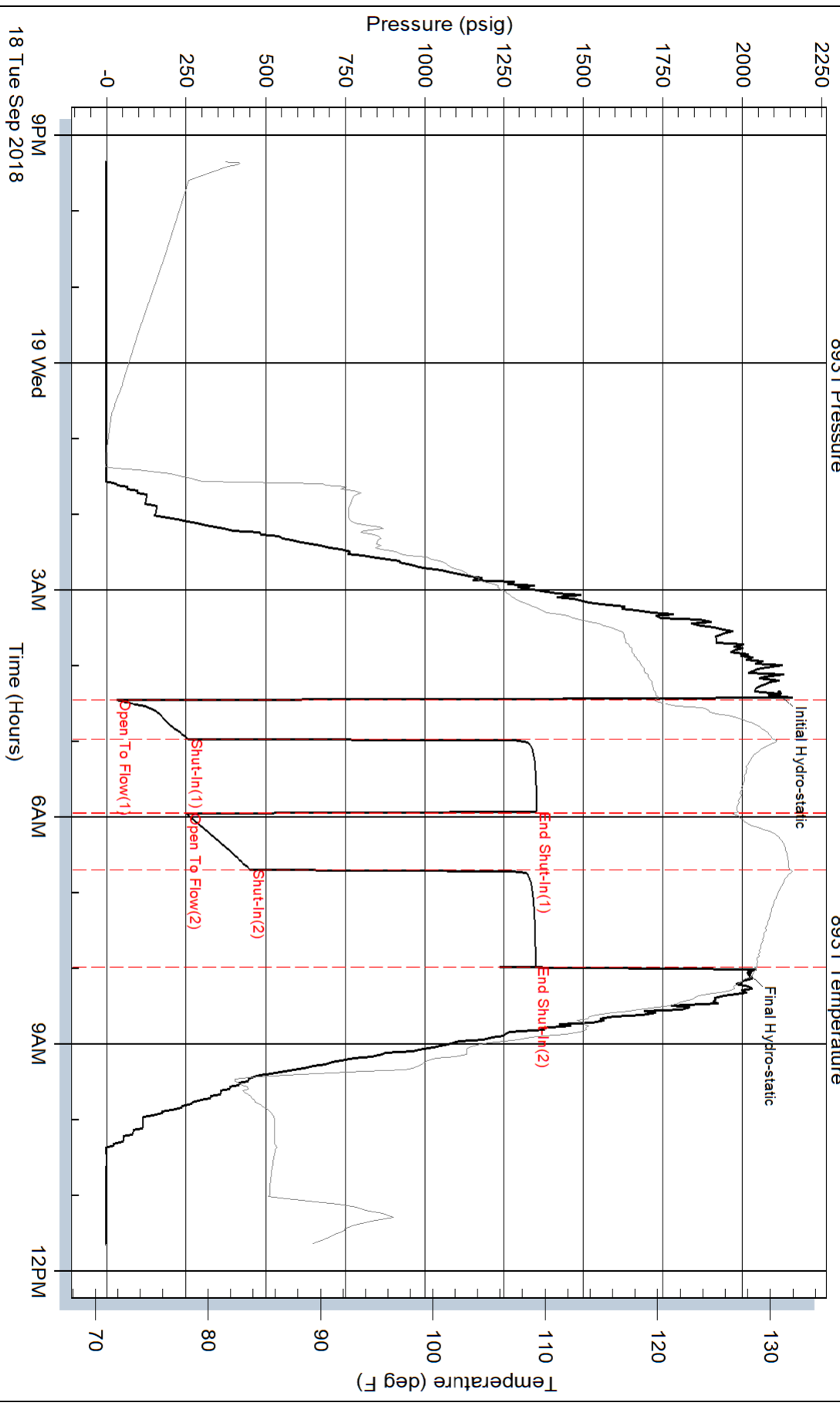
Inside

Raymond Oil Co Inc

Burdett Trust#1

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64703

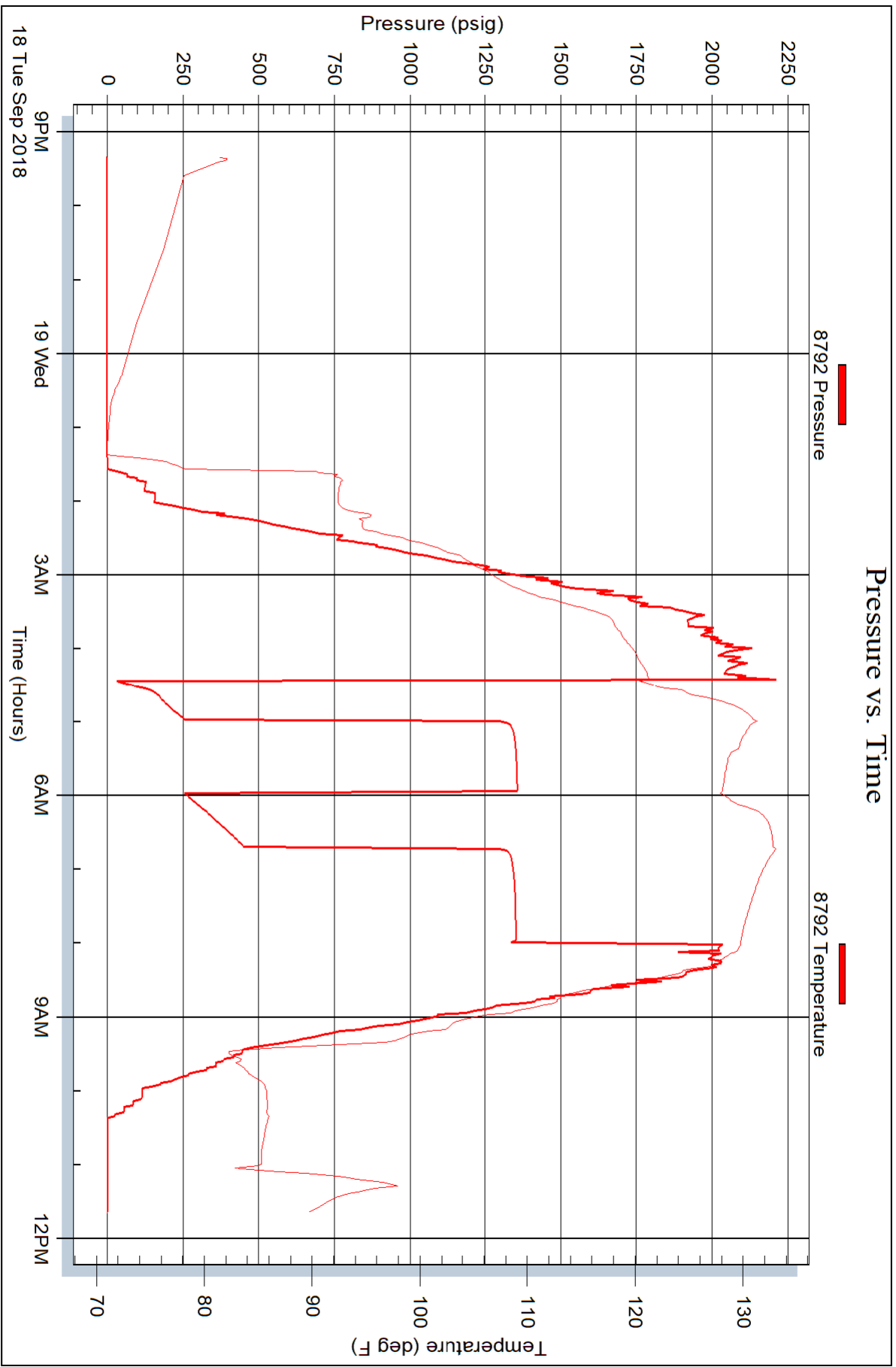
Printed: 2018.09.19 @ 16:59:18

Serial #: 8792

Outside Raymond Oil Co Inc

Burdett Trust#1

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 64703

Well Name & No. #1 Burdett Trust Test No. 1 Date 9/18/18  
 Company Raymond Oil Co., Inc. Elevallon 2212 KB 2201 GL  
 Address P.O. Box 48788 Wichita, KS. 67201  
 Co. Rep / Geo. Kevin Kessler Rig H2 DRLG Rig #4  
 Location: Sec. 28 Twp 20S Rge. 23W Co. Ness State KS.

Interval Tested 4255 - 4365 Zone Tested Cherokee  
 Anchor Length 110' Drill Pipe Run 4005 Mud Wt. 9.5  
 Top Packer Depth 4250 Drill Collars Run 240' Vls 50  
 Bottom Packer Depth 4255 Wt. Pipe Run 2 WL 12.0  
 Total Depth 4365 Chlorides 9,500 ppm System LCM 1<sup>4</sup>

Blow Description IF: Strong blow. B.O.B. in 13 mins. Built to 25 3/4".

ISI: No blow.

FF: Strong blow. B.O.B. in 14 mins. Built to 28 3/4".

FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>217'</u>	<u>MCW</u>			<u>5%</u>	<u>95%</u>
<u>496'</u>	<u>WCM</u>			<u>70%</u>	<u>30%</u>
<u>120'</u>	<u>WCM</u>			<u>85%</u>	<u>15%</u>
<u>120'</u>	<u>MCW</u>			<u>2%</u>	<u>98%</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 953' Shun BHT 120° Gravity N/A API RW 1.34 @ 80 °F Chlorides 51,000 ppm

(A) Initial Hydrostatic 2115  Test 1150 T-On Location 1950  
 (B) First Initial Flow 32  Jars 250 T-Started 2120  
 (C) First Final Flow 256  Safety Joint 75 T-Open 0426  
 (D) Initial Shut-In 1353  Circ Sub \_\_\_\_\_ T-Pulled 0833  
 (E) Second Initial Flow 251  Hourly Standby 4.25h 340 T-Out 1138  
 (F) Second Final Flow 451  Mileage 138 138 Comments \_\_\_\_\_  
 (G) Final Shut-In 1350  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2020  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 75  Day Standby \_\_\_\_\_ Total 2103  
 Accessibility 150 MP/DST Disc't \_\_\_\_\_  
 Sub Total 2103

Approved By Kevin Kessler Our Representative Matthew Smith

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 suffered or sustained, directly or indirectly, through the use of its equipment, or its statements 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 test is made.



PRESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

115912  
11479

TICKET NUMBER 55260  
LOCATION Oakley, KS  
FOREMAN Walt Dunkel

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice #814129

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-11-18	7158	Burdette Trust #1	28	20S	23W	Ness
CUSTOMER Raymond Oil Co			Ness City, south to Rd 20 2E to Rd U-1/2 - 1/2 S			
MAILING ADDRESS P.O. Box 48785			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita			STATE KS	ZIP CODE 67201		
			731	Cory Davis		
			579	Neil White		
			697	Walt Dunkel		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 267' CASING SIZE & WEIGHT 8 5/8 - 23 #  
CASING DEPTH 264' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15' 20'  
DISPLACEMENT 15 3/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting + rig up on H<sub>2</sub> #4, Circ casing on Bottom  
Mix 190 SKS ~~600~~ COM, 30% CC - 2% Gel, Displace 15 3/4 BBL H<sub>2</sub>O  
Shut in

Cement Del Circ  
Approx 3 BBL to Rt

Thank You  
Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1,150.00	1,150.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	8.93	Ten Mileage Delivery	1.75	660.00
CE5871	190 SKS	Surface Blend It	24.00	4560.00
				6,584.50
			Disc. 30%	1,975.35
				4,609.15
			SALES TAX	207.48
			ESTIMATED TOTAL	4816.63

SCANNED

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.

# KEVIN L. KESSLER

## CONSULTING PETROLEUM GEOLOGIST

( 316 ) 522 - 7338

<b>OPERATOR :</b> RAYMOND OIL COMPANY INC.	<b>ELEVATION</b>
<b>LEASE :</b> BURDETT TRUST <b>WELL # :</b> 1	<b>KB:</b> 2212'
<b>LOCATION :</b> 2327' FNL & 1321' FEL	<b>GL:</b> 2201'
<b>SEC :</b> 28 <b>TWP :</b> 20 S <b>RGE :</b> 23 W	<b>MEASUREMENTS FROM:</b>
<b>COUNTY :</b> NESS <b>STATE :</b> KANSAS	<b>KB</b>

**CONTRACTOR:** H 2 DRILLING RIG #4      **CASING RECORD:**

**COMM:** 09 - 11 - 2018      **COMP:** 09 - 20 - 2018      **SURFACE:** 8 5/8" @ 264'

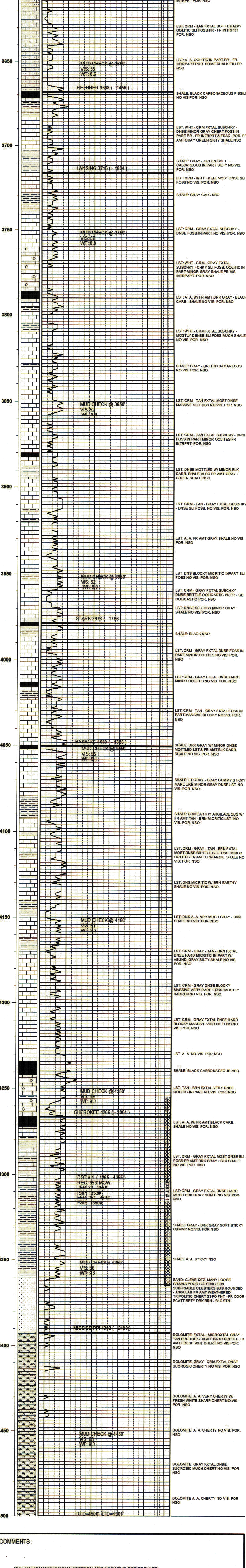
**RTD:** 4500'      **LTD:** 4501'      **PRODUCTION:** NONE

**GEOLOGICAL SUPERVISION FROM:** 3600'      **TO:** RTD

**SAMPLES SAVED FROM:** 3600'      **TO:** RTD

FORMATION:	TOP	LOG	DATUM	TOP	SAMPLE	DATUM	COMP.	ELECTRICAL SURVEYS:
HEEBNER	3668	-	1456	3668	-	1456	- 04	DIL
LANSING	3716	-	1504	3716	-	1504	- 03	CNL / CDL
STARK	3978	-	1766	3978	-	1766	- 04	MICRO
BASE/KC	4050	-	1838	4050	-	1838	- 03	
CHEROKEE	4266	-	2054	4266	-	2054	- 03	
MISSISSIPPI	4392	-	2180	4392	-	2180	- 53	

**REFERENCE WELL FOR STRUCTURAL COMPARISON:**  
ZORGER OIL CO. #1 BURDETT A 28-20S-23W NESS CO. KS.



**COMMENTS :**

DUE TO LOW STRUCTURAL POSITION AND NEGATIVE DST RESULTS  
THIS WELL WAS PLUGGED AND ABANDONED

KEVIN L. KESSLER