

AUG 27 2010

Form ACO-1
October 2008
Form Must Be Typed

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

8/24/12

OPERATOR: License # 3293

Name: Russell Oil Inc

Address 1: PO BOX 8050

Address 2: _____

City: Edmond State: OK Zip: 73083

Contact Person: LeRoy Holt II

Phone: (405) 752-7600

CONTRACTOR: License # 33793

Name: H2 Drilling LLC

Wellsite Geologist: Steven Angle

Purchaser: NA

Designate Type of Completion:

- New Well
 - Re-Entry
 - Workover
 - Oil
 - SWD
 - SIOW
 - Gas
 - ENHR
 - SIGW
 - CM (Coal Bed Methane)
 - Temp. Abd.
 - Dry
 - Other
- (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD

_____ Plug Back: _____ Plug Back Total Depth

_____ Commingled _____ Docket No.: _____

_____ Dual Completion _____ Docket No.: _____

_____ Other (SWD or Enhr.?) _____ Docket No.: _____

05/06/2010 05/18/2010 05/19/2010

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

API No. 15 - 109-20892-00-00

Spot Description: _____

NW SW NE NE Sec. 29 Twp. 15 S. R. 34 East West

960 Feet from North / South Line of Section

1250 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Logan

Lease Name: Deanna D Well #: 1-29

Field Name: Wildcat

Producing Formation: NA

Elevation: Ground: 3065' Kelly Bushing: 3073'

Total Depth: 4800' Plug Back Total Depth: NA

Amount of Surface Pipe Set and Cemented at: 265' 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 PANJ 9-10-10
(Data must be collected from the Reserve Pit)

Chloride content: 13000 ppm Fluid volume: 845 bbls

Dewatering method used: evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Kevin Holt

Title: President Date: 8/24/2010

Subscribed and sworn to before me this 24th day of AUGUST

20 10

Notary Public: Patricia Holt

Date Commission Expires: 6/7/14

PATRICIA HOLT
NOTARY PUBLIC - STATE OF OKLAHOMA
MY COMMISSION EXPIRES: JUNE 07, 2014
MY COMMISSION # 10004554

KCC Office Use ONLY

- Letter of Confidentiality Received 8/24/10 - 8/24/12
- If Denied, Yes Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

Operator Name: Russell Oil Inc Lease Name: Deanna D Well #: 1-29
 Sec. 29 Twp. 15 S. R. 34 East West County: Logan

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: dual induction; computer processed interp; dual compensated porosity; microresistivity log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum see geological report <div style="text-align: center;"> KCC AUG 24 2010 CONFIDENTIAL </div> <div style="text-align: right;"> RECEIVED AUG 27 2010 KCC WICHITA </div>
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CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23	265	60/40 poz	190	3% c.c: 2% gel

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. NA		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. na	Gas Mcf na	Water Bbls. na
Gas-Oil Ratio na		Gravity na	

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 055852

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC
AUG 24 2010

SERVICE POINT: Oakley, KS

DATE <u>5/19/10</u>	SEC <u>29</u>	TWP. <u>15</u>	RANGE <u>34</u>	CALLED OUT <u>CONFIDENTIAL</u>	ON LOCATION <u>11:30am</u>	JOB START <u>2:00pm</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>Deanna A</u>	WELL # <u>1-29</u>	LOCATION <u>Pence W 70</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR H2 PTA

TYPE OF JOB _____

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 8 5/8 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 205 SKs 60/40 402 gal
1/4 lb P10 seal

COMMON	<u>125</u>	@	<u>15.45</u>	<u>1931.25</u>
POZMIX	<u>80</u>	@	<u>8.00</u>	<u>640.00</u>
GEL	<u>7</u>	@	<u>20.00</u>	<u>140.00</u>
CHLORIDE		@		
ASC		@		
<u>Flo Seal</u>	<u>51 lb</u>	@	<u>2.50</u>	<u>127.50</u>
HANDLING	<u>214</u>	@	<u>2.40</u>	<u>513.60</u>
CEMENT	<u>104 SK/mile</u>	@		<u>1070.22</u>
				TOTAL <u>4422.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

400 HELPER Wayne

BULK TRUCK

377 DRIVER Darren

BULK TRUCK

_____ DRIVER _____

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AUG 27 2010

REMARKS:

25 SKs - 2420'
100 SKs - 1265'
40 SKs - 315'
30 SKs - Port Hole
10 SKs - 40'

KCC WICHITA

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE	_____		<u>1185.00</u>
EXTRA FOOTAGE	_____	@	
MILEAGE <u>50</u>	_____	@	<u>7.00</u> <u>350.00</u>
MANIFOLD	_____	@	
TOTAL <u>1535.00</u>			

CHARGE TO: Russell Oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Carl Jessen

SIGNATURE Carl Jessen

ALLIED CEMENTING CO., LLC. 038843

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC
AUG 24 2010
CONFIDENTIAL

SERVICE POINT: Dakota

DATE <u>5/6/10</u>	SEC. <u>29</u>	TWP. <u>15</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>5:00p</u>	JOB START <u>5:00p</u>	JOB FINISH <u>5:30p</u>
LEASE <u>Deanna A</u>	WELL # <u>1-29</u>	LOCATION <u>RD Rance 3W 5N</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				Eints			

CONTRACTOR #2 #3
TYPE OF JOB Surface
HOLE SIZE 12"7 T.D.
CASING SIZE 8 7/8 DEPTH 265'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15
PERFS.
DISPLACEMENT 15-92

OWNER Sam

CEMENT AMOUNT ORDERED 190 Com 390 cc
2070 gal

COMMON 190 @ 15.15 2935.50
POZMIX @
GEL 3 @ 22.00 66.00
CHLORIDE 6 @ 58.20 349.20
ASC @

EQUIPMENT
PUMP TRUCK # 422 CEMENTER Alan
HELPER Wayne
BULK TRUCK # 347 DRIVER Darren
BULK TRUCK # DRIVER

HANDLING 199 @ 2.40 477.60
MILEAGE 100.5K mile 995.00
TOTAL 4819.70

REMARKS:
Cement did circulate

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE 1018.00
EXTRA FOOTAGE @
MILEAGE 50 @ 7.00 350.00
MANIFOLD @

CHARGE TO: Russell Oil
STREET
CITY STATE ZIP

RECEIVED
AUG 27 2010
TOTAL 1368.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

8 7/8 Woodruff @ 69.00
@
@
@
@

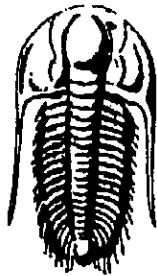
TOTAL 69.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES

PRINTED NAME Carl Jessen
SIGNATURE Carl Jessen

DISCOUNT IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.12 @ 12:50:44

End Date: 2010.05.12 @ 21:32:09

Job Ticket #: 37854 DST #: 1

**KCC
AUG 24 2010
CONFIDENTIAL**

RECEIVED

AUG 27 2010

KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Russell Oil, Inc.

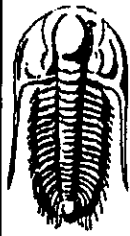
Deanna D 1-29

29-15-34 Logan, KS

DST # 1

Lansing H-1

2010.05.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37854

DST#: 1

ATTN: Steve Angle

Test Start: 2010.05.12 @ 12:50:44

GENERAL INFORMATION:

Formation: **Lansing H-I**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 14:50:39

Time Test Ended: 21:32:09

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4124.00 ft (KB) To 4173.00 ft (KB) (TVD)**

Reference Elevations: **3070.00 ft (KB)**

Total Depth: **4173.00 ft (KB) (TVD)**

3063.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **7.00 ft**

Serial #: **8373**

Inside

Press@RunDepth: **1211.94 psig @ 4125.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.05.12**

End Date: **2010.05.12**

Last Calib.: **2010.05.12**

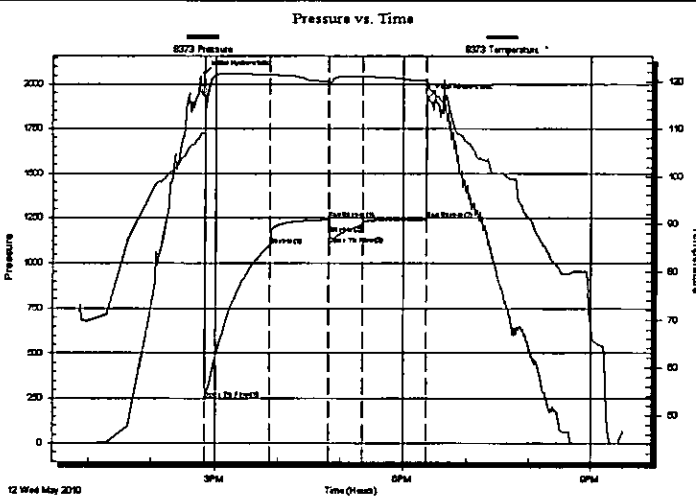
Start Time: **12:50:44**

End Time: **21:32:09**

Time On Btm: **2010.05.12 @ 14:48:54**

Time Off Btm: **2010.05.12 @ 18:23:08**

TEST COMMENT: IF: BOB in 1 min.
IS: No return.
FF: 1/4 blow BOB in 5 min.
FS: No return



PRESSURE SUMMARY

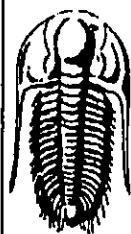
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.52	109.00	Initial Hydro-static
2	246.54	108.57	Open To Flow (1)
63	1098.19	121.38	Shut-In(1)
120	1239.20	120.07	End Shut-In(1)
120	1103.25	120.01	Open To Flow (2)
152	1211.94	121.06	Shut-In(2)
213	1242.77	120.16	End Shut-In(2)
215	1925.94	119.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2108.00	water 100%w	27.35
496.00	wcm40%w 60%m	6.96

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37854

DST#: 1

ATTN: Steve Angle

Test Start: 2010.05.12 @ 12:50:44

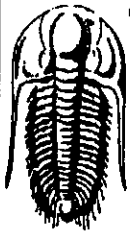
Tool Information

Drill Pipe:	Length: 3872.00 ft	Diameter: 3.80 inches	Volume: 54.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4124.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4097.00	
Shut In Tool	5.00			4102.00	
Hydraulic tool	5.00			4107.00	
Jars	5.00			4112.00	
Safety Joint	3.00			4115.00	
Packer	5.00			4120.00	28.00 Bottom Of Top Packer
Packer	4.00			4124.00	
Stubb	1.00			4125.00	
Recorder	0.00	8373	Inside	4125.00	
Recorder	0.00	6772	Outside	4125.00	
Perforations	10.00			4135.00	
Change Over Sub	1.00			4136.00	
Drill Pipe	31.00			4167.00	
Change Over Sub	1.00			4168.00	
Bullnose	5.00			4173.00	49.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37854

DST#: 1

ATTN: Steve Angle

Test Start: 2010.05.12 @ 12:50:44

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2108.00	water 100%w	27.347
496.00	w/cm 40%w 60%m	6.958

Total Length: 2604.00 ft Total Volume: 34.305 bbl

Num Fluid Samples: 0

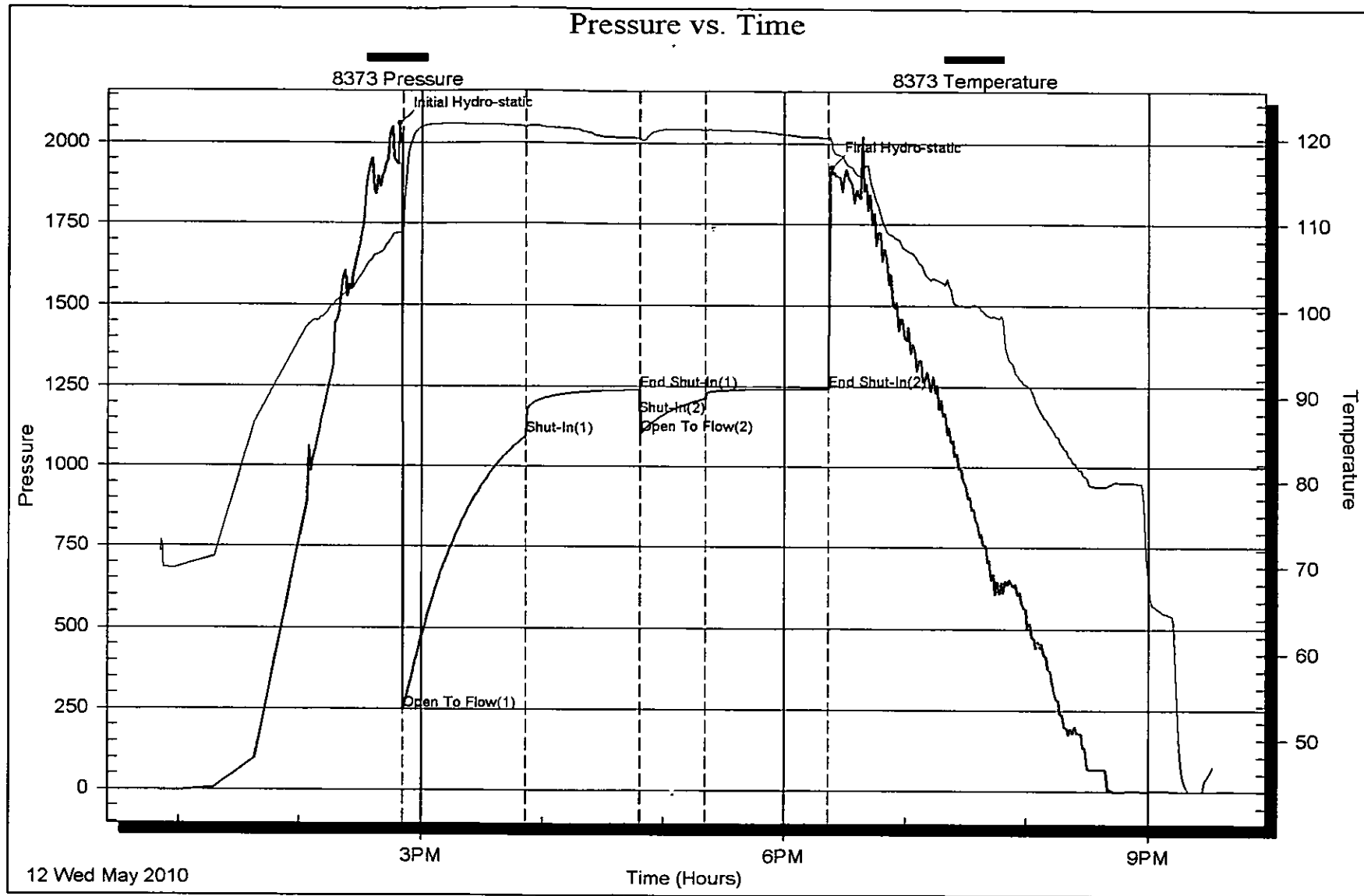
Num Gas Bombs: 0

Serial #:

Laboratory Name:

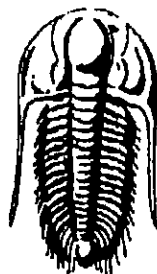
Laboratory Location:

Recovery Comments: .32@65=23000



12 Wed May 2010

Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.14 @ 02:10:31

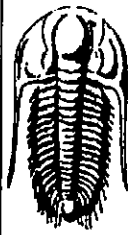
End Date: 2010.05.14 @ 11:05:41

Job Ticket #: 37855 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37855

DST#: 2

ATTN: Steve Angle

Test Start: 2010.05.14 @ 02:10:31

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 04:44:11

Time Test Ended: 11:05:41

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4358.00 ft (KB) To 4438.00 ft (KB) (TVD)**

Reference Elevations: **3070.00 ft (KB)**

Total Depth: **4438.00 ft (KB) (TVD)**

3063.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **7.00 ft**

Serial #: **8373**

Inside

Press@RunDepth: **415.56 psig @ 4359.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.05.14**

End Date:

2010.05.14

Last Calib.: **2010.05.14**

Start Time: **02:10:31**

End Time:

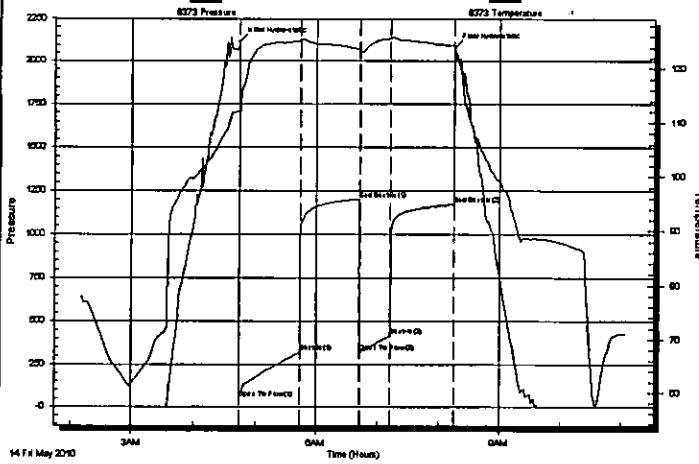
11:05:41

Time On Btm: **2010.05.14 @ 04:43:56**

Time Off Btm: **2010.05.14 @ 08:15:55**

TEST COMMENT: IF: BOB in 10 min.
IS: No return.
FF: BOB in 15 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

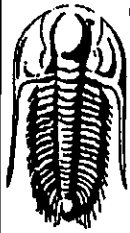
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.53	112.02	Initial Hydro-static
1	48.58	110.83	Open To Flow (1)
60	320.87	125.29	Shut-In(1)
119	1203.96	123.76	End Shut-In(1)
120	322.92	123.42	Open To Flow (2)
149	415.56	125.67	Shut-In(2)
212	1173.89	124.39	End Shut-In(2)
212	2084.48	124.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	ocmw 5%o 85%w 10%m	3.87
248.00	ocmw 10%o 60%w 30%m	3.48
186.00	gocw m 20%g 20%o 30%w 30%m	2.61
124.00	mco 90%o 10%m	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37855

DST#: 2

ATTN: Steve Angle

Test Start: 2010.05.14 @ 02:10:31

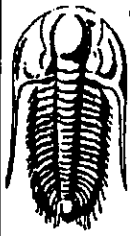
Tool Information

Drill Pipe:	Length: 4096.00 ft	Diameter: 3.80 inches	Volume: 57.46 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 58.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4358.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4331.00	
Shut In Tool	5.00			4336.00	
Hydraulic tool	5.00			4341.00	
Jars	5.00			4346.00	
Safety Joint	3.00			4349.00	
Packer	5.00			4354.00	28.00 Bottom Of Top Packer
Packer	4.00			4358.00	
Stubb	1.00			4359.00	
Recorder	0.00	8373	Inside	4359.00	
Recorder	0.00	6772	Outside	4359.00	
Perforations	10.00			4369.00	
Change Over Sub	1.00			4370.00	
Drill Pipe	62.00			4432.00	
Change Over Sub	1.00			4433.00	
Bullnose	5.00			4438.00	80.00 Bottom Packers & Anchor

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37855

DST#: 2

ATTN: Steve Angle

Test Start: 2010.05.14 @ 02:10:31

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 6.37 in³
Resistivity: 0.00 ohmm
Salinity: 3700.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 26 deg API
Water Salinity: 27000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	ocmw 5%o 85%w 10%m	3.865
248.00	ocmw 10%o 60%w 30%m	3.479
186.00	gocw m 20%g 20%o 30%w 30%m	2.609
124.00	mco 90%o 10%m	1.739

Total Length: 992.00 ft Total Volume: 11.692 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

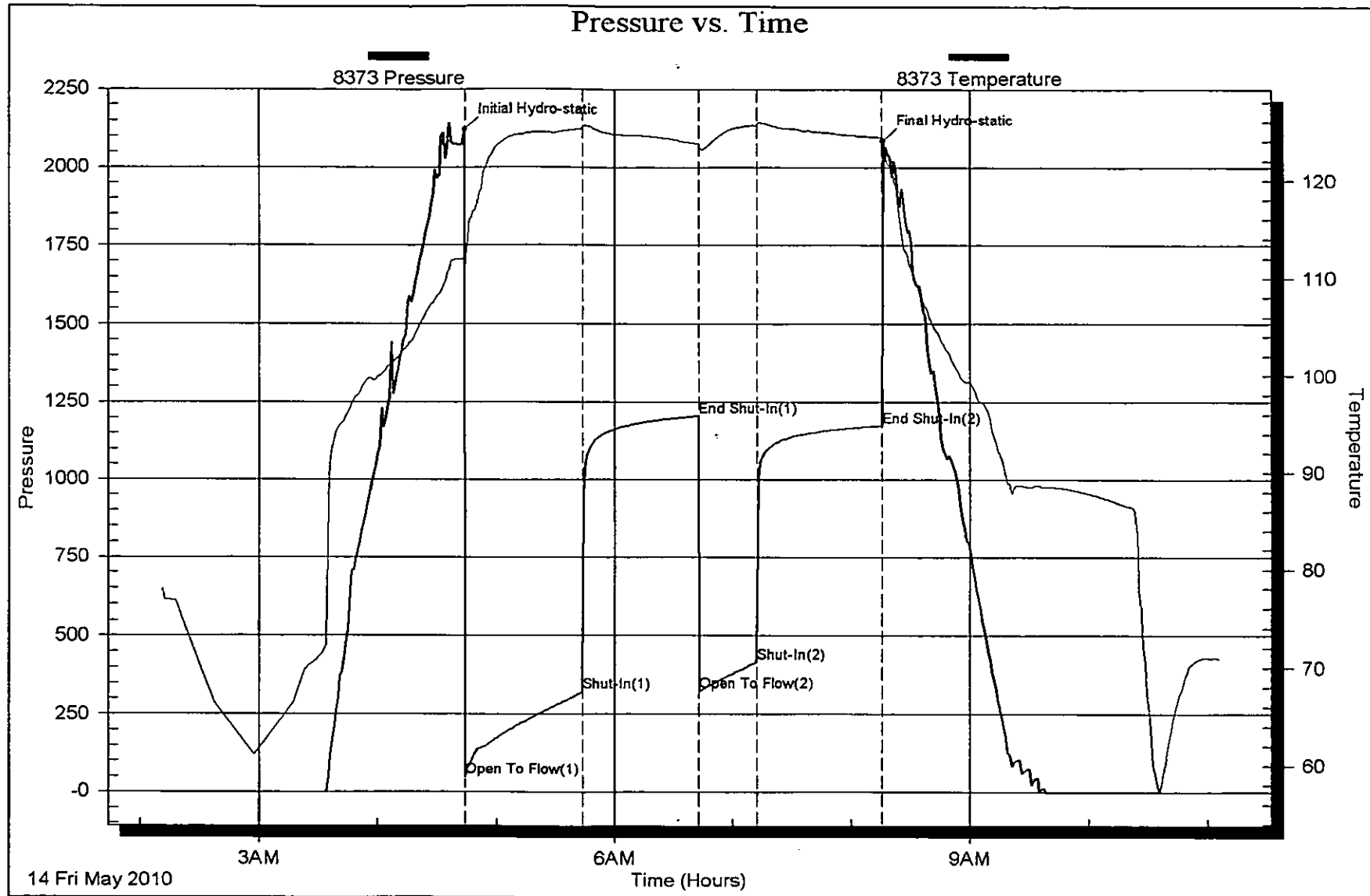
Serial #:

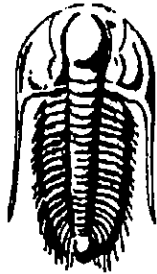
Laboratory Name:

Laboratory Location:

Recovery Comments: 27@70=26

.26@71=27000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.14 @ 21:50:36

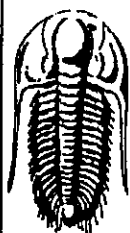
End Date: 2010.05.15 @ 04:26:00

Job Ticket #: 37856 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37856

DST#: 3

ATTN: Steve Angle

Test Start: 2010.05.14 @ 21:50:36

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 00:11:31

Time Test Ended: 04:26:00

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4434.00 ft (KB) To 4474.00 ft (KB) (TVD)**

Reference Elevations: **3070.00 ft (KB)**

Total Depth: **4474.00 ft (KB) (TVD)**

3063.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **7.00 ft**

Serial #: **8373**

Inside

Press@RunDepth: **18.07 psig @ 4435.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.05.14**

End Date:

2010.05.15

Last Calib.: **2010.05.15**

Start Time: **21:50:36**

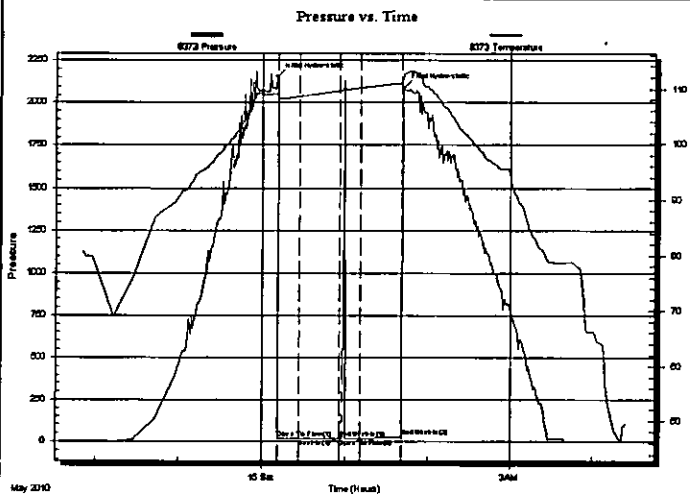
End Time:

04:26:00

Time On Btm: **2010.05.15 @ 00:10:31**

Time Off Btm: **2010.05.15 @ 01:43:01**

TEST COMMENT: IF: Surface blow died in 6 min.
IS: No return.
FF: No blow flushed tool no blow.
FS: No return.



PRESSURE SUMMARY

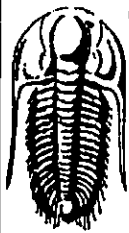
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.65	109.13	Initial Hydro-static
1	15.64	108.44	Open To Flow (1)
17	16.33	108.55	Shut-In(1)
46	18.14	109.68	End Shut-In(1)
46	16.32	109.69	Open To Flow (2)
61	18.07	110.21	Shut-In(2)
91	26.30	111.09	End Shut-In(2)
93	2092.02	112.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud oil spots 100%rn	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37856

DST#: 3

ATTN: Steve Angle

Test Start: 2010.05.14 @ 21:50:36

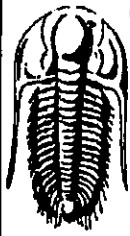
Tool Information

Drill Pipe:	Length: 4187.00 ft	Diameter: 3.80 inches	Volume: 58.73 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4434.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4407.00	
Shut in Tool	5.00			4412.00	
Hydraulic tool	5.00			4417.00	
Jars	5.00			4422.00	
Safety Joint	3.00			4425.00	
Packer	5.00			4430.00	28.00 Bottom Of Top Packer
Packer	4.00			4434.00	
Stubb	1.00			4435.00	
Recorder	0.00	8373	Inside	4435.00	
Recorder	0.00	6772	Outside	4435.00	
Perforations	2.00			4437.00	
Change Over Sub	1.00			4438.00	
Drill Pipe	30.00			4468.00	
Change Over Sub	1.00			4469.00	
Bullnose	5.00			4474.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37856

DST#: 3

ATTN: Steve Angle

Test Start: 2010.05.14 @ 21:50:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud oil spots 100% _m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

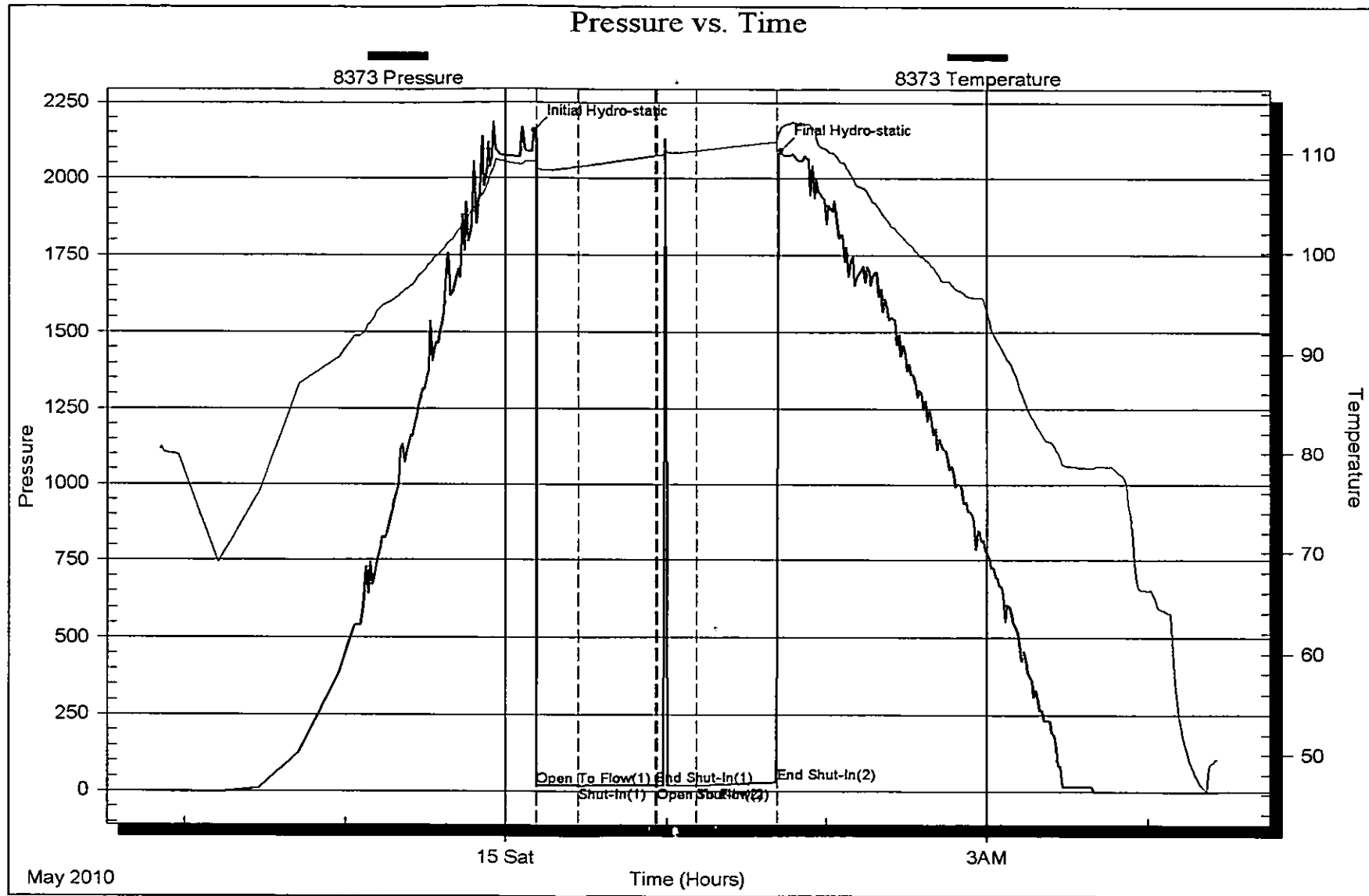
Num Gas Bombs: 0

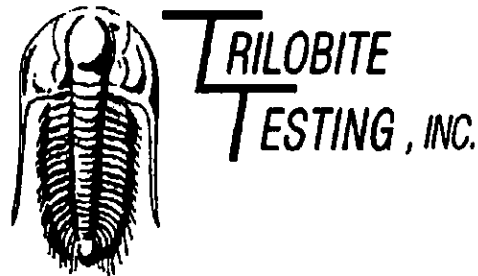
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.15 @ 16:08:28

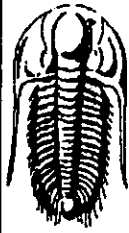
End Date: 2010.05.16 @ 01:55:38

Job Ticket #: 37857 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

ATTN: Steve Angle

Job Ticket: 37857

DST#: 4

Test Start: 2010.05.15 @ 16:08:28

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 18:35:23

Time Test Ended: 01:55:38

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4474.00 ft (KB) To 4521.00 ft (KB) (TVD)**

Reference Elevations: **3070.00 ft (KB)**

Total Depth: **4521.00 ft (KB) (TVD)**

3063.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **7.00 ft**

Serial #: **8373**

Inside

Press@RunDepth: **204.83 psig @ 4475.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.05.15**

End Date: **2010.05.16**

Last Calib.: **2010.05.16**

Start Time: **16:08:28**

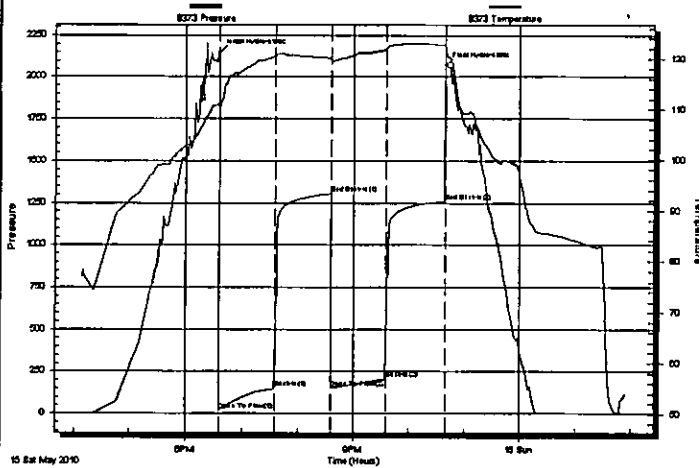
End Time: **01:55:38**

Time On Btm: **2010.05.15 @ 18:35:08**

Time Off Btm: **2010.05.15 @ 22:39:07**

TEST COMMENT: IF: 1/4 blow BOB in 39 min.
IS: No return.
FF: Surface blow BOB in 55 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

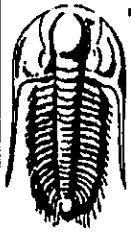
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.20	111.14	Initial Hydro-static
1	16.65	110.36	Open To Flow (1)
61	147.18	120.69	Shut-In(1)
121	1303.58	120.30	End Shut-In(1)
121	150.91	119.69	Open To Flow (2)
181	204.83	121.83	Shut-In(2)
244	1262.15	122.77	End Shut-In(2)
244	2073.39	122.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 80%w 20%m	0.91
186.00	w cm 40%w 60%m	2.08
48.00	mud oil spots 100%m	0.67
2.00	free oil 100%o	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37857

DST#: 4

ATTN: Steve Angle

Test Start: 2010.05.15 @ 16:08:28

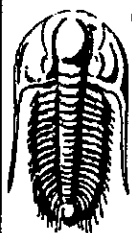
Tool Information

Drill Pipe:	Length: 4222.00 ft	Diameter: 3.80 inches	Volume: 59.22 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 60.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4474.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4447.00	
Shut In Tool	5.00			4452.00	
Hydraulic tool	5.00			4457.00	
Jars	5.00			4462.00	
Safety Joint	3.00			4465.00	
Packer	5.00			4470.00	28.00 Bottom Of Top Packer
Packer	4.00			4474.00	
Stubb	1.00			4475.00	
Recorder	0.00	8373	Inside	4475.00	
Recorder	0.00	8289	Outside	4475.00	
Perforations	8.00			4483.00	
Change Over Sub	1.00			4484.00	
Drill Pipe	31.00			4515.00	
Change Over Sub	1.00			4516.00	
Bullnose	5.00			4521.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37857

DST#: 4

ATTN: Steve Angle

Test Start: 2010.05.15 @ 16:08:28

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.18 in³
Resistivity: 0.00 ohm.m
Salinity: 3600.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 23000 ppm

Recovery Information

Recovery Table

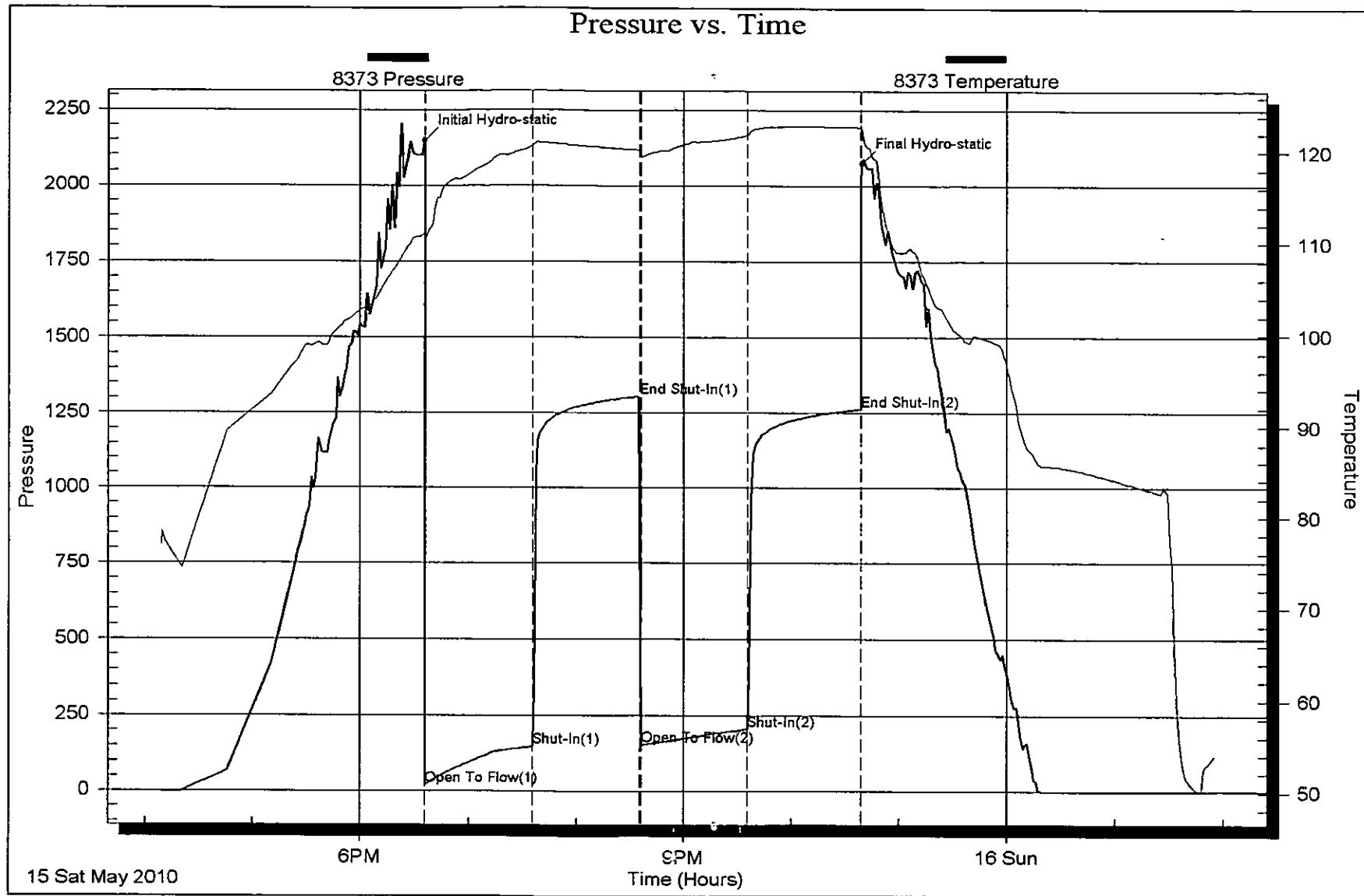
Length ft	Description	Volume bbl
186.00	mcw 80%w 20%m	0.915
186.00	w cm 40%w 60%m	2.081
48.00	mud oil spots 100%m	0.673
2.00	free oil 100%o	0.028

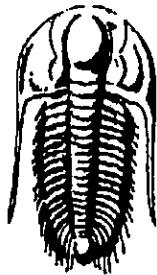
Total Length: 422.00 ft Total Volume: 3.697 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .3@69=23000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.16 @ 13:10:39

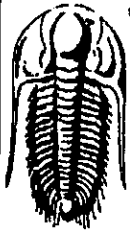
End Date: 2010.05.16 @ 19:06:48

Job Ticket #: 37858 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Rainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37858

DST#: 5

ATTN: Steve Angle

Test Start: 2010.05.16 @ 13:10:39

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:49

Time Test Ended: 19:06:48

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4518.00 ft (KB) To 4594.00 ft (KB) (TVD)

Total Depth: 4594.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3070.00 ft (KB)

3063.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8373

Inside

Press@RunDepth: 27.67 psig @ 4519.00 ft (KB)

Start Date: 2010.05.16

End Date:

2010.05.16

Start Time: 13:10:39

End Time:

19:06:48

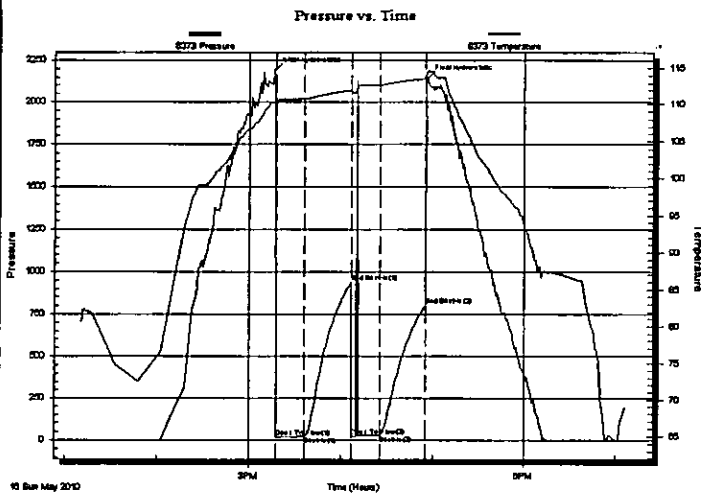
Capacity: 8000.00 psig

Last Calib.: 2010.05.16

Time On Btm: 2010.05.16 @ 15:16:19

Time Off Btm: 2010.05.16 @ 16:56:04

TEST COMMENT: IF: Surface blow died in 10 min.
IS: No return.
FF: No blow Flushed tool after 5 min no blow.
FS: No return.



PRESSURE SUMMARY

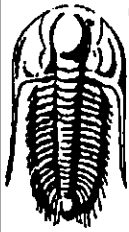
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.36	110.35	Initial Hydro-static
2	18.01	110.00	Open To Flow (1)
20	20.94	110.81	Shut-In(1)
51	938.73	111.98	End Shut-In(1)
51	23.17	111.44	Open To Flow (2)
69	27.67	112.71	Shut-In(2)
99	799.96	113.59	End Shut-In(2)
100	2142.30	114.37	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37858

DST#: 5

ATTN: Steve Angle

Test Start: 2010.05.16 @ 13:10:39

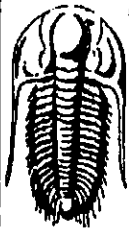
Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 60.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4518.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4491.00	
Shut In Tool	5.00			4496.00	
Hydraulic tool	5.00			4501.00	
Jars	5.00			4506.00	
Safety Joint	3.00			4509.00	
Packer	5.00			4514.00	28.00 Bottom Of Top Packer
Packer	4.00			4518.00	
Stubb	1.00			4519.00	
Recorder	0.00	8373	Inside	4519.00	
Recorder	0.00	8289	Outside	4519.00	
Perforations	7.00			4526.00	
Change Over Sub	1.00			4527.00	
Drill Pipe	61.00			4588.00	
Change Over Sub	1.00			4589.00	
Bullnose	5.00			4594.00	76.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37858

DST#: 5

ATTN: Steve Angle

Test Start: 2010.05.16 @ 13:10:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	mud 100% _m	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

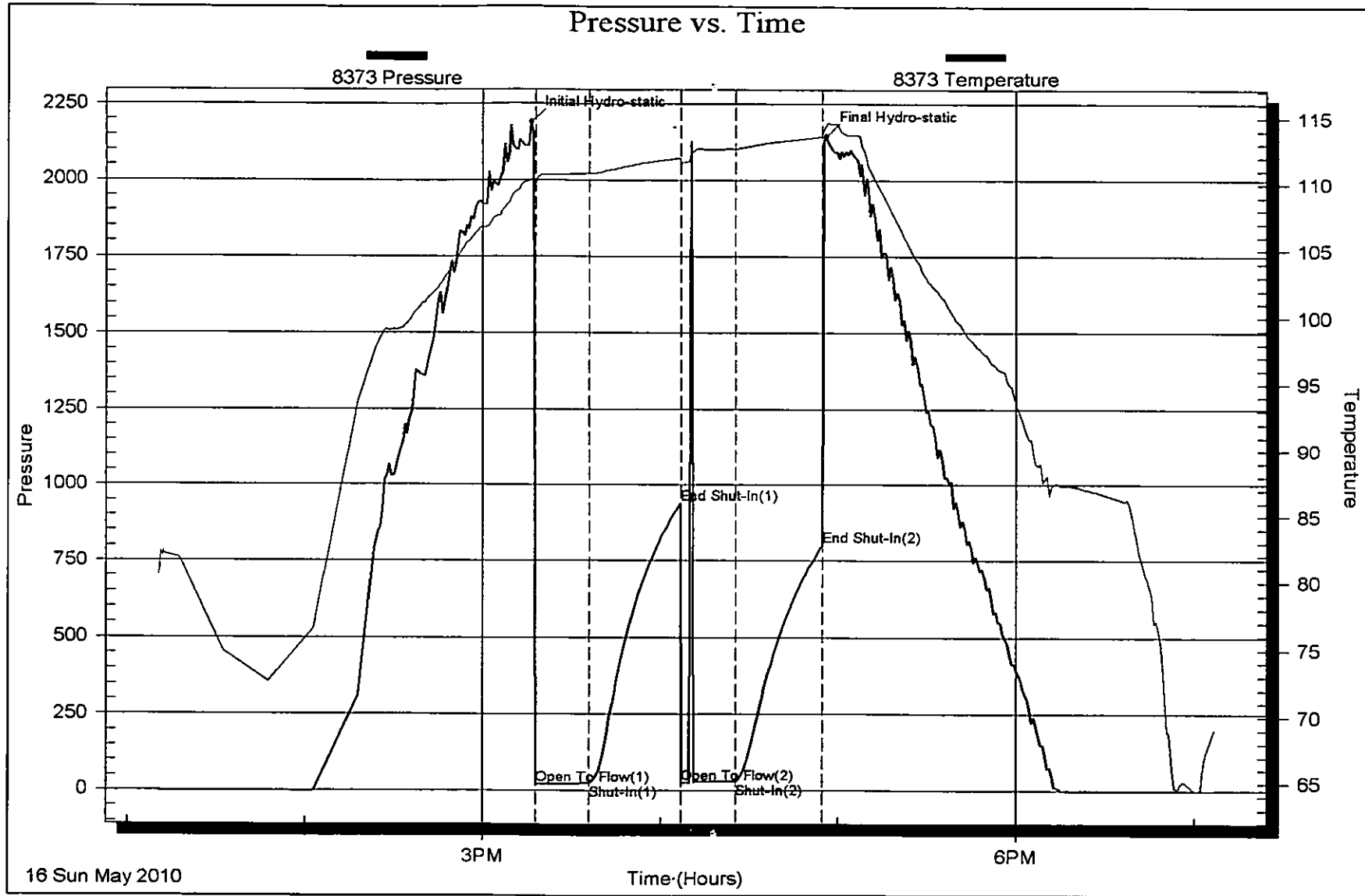
Num Gas Bombs: 0

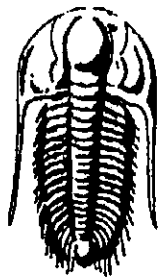
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil, Inc.**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29-15-34 Logan, KS

Deanna D 1-29

Start Date: 2010.05.17 @ 18:48:41

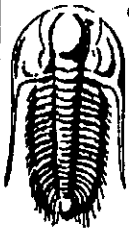
End Date: 2010.05.18 @ 01:15:05

Job Ticket #: 37859 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37859

DST#: 6

ATTN: Steve Angle

Test Start: 2010.05.17 @ 18:48:41

GENERAL INFORMATION:

Formation: **Marrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:13:06

Time Test Ended: 01:15:05

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4588.00 ft (KB) To 4710.00 ft (KB) (TVD)**

Reference Elevations: 3070.00 ft (KB)

Total Depth: 4710.00 ft (KB) (TVD)

3063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373

Inside

Press@RunDepth: 37.05 psig @ 4589.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.17

End Date:

2010.05.18

Last Calib.: 2010.05.18

Start Time: 18:48:41

End Time:

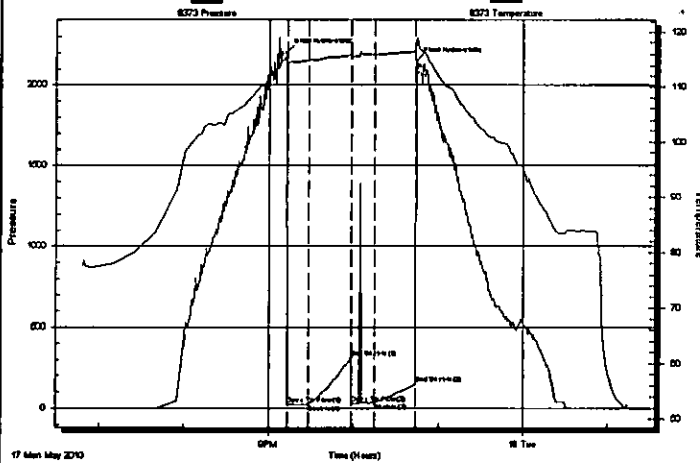
01:15:05

Time On Btm: 2010.05.17 @ 21:12:21

Time Off Btm: 2010.05.17 @ 22:44:36

TEST COMMENT: IF: 1/2 blow died in 11 min.
IS: No return.
FF: No blow flushed tool no blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

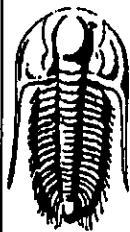
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.69	115.16	Initial Hydro-static
1	22.58	113.95	Open To Flow (1)
16	26.19	114.87	Shut-In(1)
46	308.32	115.89	End Shut-In(1)
47	29.71	115.65	Open To Flow (2)
63	37.05	115.94	Shut-In(2)
92	149.19	116.54	End Shut-In(2)
93	2154.58	118.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100% m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Plainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37859

DST#: 6

ATTN: Steve Angle

Test Start: 2010.05.17 @ 18:48:41

Tool Information

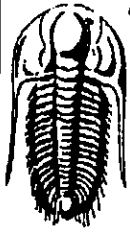
Drill Pipe:	Length: 4321.00 ft	Diameter: 3.80 inches	Volume: 60.61 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4588.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	150.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4561.00	
Shut In Tool	5.00			4566.00	
Hydraulic tool	5.00			4571.00	
Jars	5.00			4576.00	
Safety Joint	3.00			4579.00	
Packer	5.00			4584.00	28.00 Bottom Of Top Packer
Packer	4.00			4588.00	
Stubb	1.00			4589.00	
Recorder	0.00	8373	Inside	4589.00	
Recorder	0.00	8289	Outside	4589.00	
Perforations	21.00			4610.00	
Change Over Sub	1.00			4611.00	
Drill Pipe	93.00			4704.00	
Change Over Sub	1.00			4705.00	
Bullnose	5.00			4710.00	122.00 Bottom Packers & Anchor

Total Tool Length: 150.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Deanna D 1-29

PO Box 1469
Rainfield, IL 60544

29-15-34 Logan, KS

Job Ticket: 37859

DST#: 6

ATTN: Steve Angle

Test Start: 2010.05.17 @ 18:48:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohmm

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100% _m	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

