

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

8/1/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3293
Name: Russell Oil Inc
Address 1: PO BOX 8050
Address 2: _____
City: Edmond State: OK Zip: 73083 + _____
Contact Person: Ivan, LeRoy, Holt, II
Phone: (405) 752-7600
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Steven Angle
Purchaser: NA

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AUG 01 2010
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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.: _____
04/22/2010 05/03/2010 05/04/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-109-20891-00-00
Spot Description: _____
SW SW NE SW Sec. 29 Twp. 15 S. R. 34 East West
1420 Feet from North / South Line of Section
1540 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: Tucker A Well #: 1-29
Field Name: Wildcat
Producing Formation: NA
Elevation: Ground: 3049' Kelly Bushing: 3057'
Total Depth: 4900' Plug Back Total Depth: na
Amount of Surface Pipe Set and Cemented at: 266' 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: 24000 ppm Fluid volume: 900 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: Ivan LeRoy Holt II
Title: President Date: 8/1/2010
Subscribed and sworn to before me this 1ST day of August
20 10.
Notary Public: Patricia Holt
Date Commission Expires: 6/7/14

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

KCC Office Use ONLY
 Letter of Confidentiality Received 8/1/10 - 8/1/12
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution
PA Dlg - 8/10/10
RECEIVED
AUG 05 2010

KCC WICHITA

KCC
AUG 01 2010
CONFIDENTIAL

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

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: micro-sensitivity; borehole compensated; computer processed; dual compensated; dual induction	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Enclosed Geologist Report <div style="text-align: center;"> RECEIVED AUG 05 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#	266'	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 <i>(Amount and Kind of Material Used)</i>	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 Enthr. _____		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.	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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC.

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

KCC
AUG 01 2010
CONFIDENTIAL

SERVICE POINT:
OAKLEY, KS

DATE <u>4-23-10</u>	SEC <u>29</u>	TWP. <u>15</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>9:00AM</u>	JOB START <u>9:30</u>	JOB FINISH <u>10:00AM</u>
LEASE <u>Tucker A</u>	WELL # <u>1-29</u>	LOCATION <u>Pence 3w-4w</u>	COUNTY <u>logan</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H2 #3

TYPE OF JOB Surfact

HOLE SIZE 12 1/4 T.D. 270'

CASING SIZE 8 5/8 DEPTH 266'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 15.9

OWNER

CEMENT

AMOUNT ORDERED 190 com 370cc

290 gel

COMMON	<u>190</u>	@	<u>15 45</u>	<u>2935 50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20 00</u>	<u>80 00</u>
CHLORIDE	<u>7</u>	@	<u>58 20</u>	<u>407 40</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>201</u>	@	<u>2 40</u>	<u>482 40</u>
MILEAGE	<u>102.5 km</u>			<u>1005 00</u>
TOTAL				<u>4913 50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Ruzzak

431 HELPER Kelly

BULK TRUCK

377 DRIVER Andrew

BULK TRUCK

DRIVER

REMARKS:

cement did circulate

Approx 4 BALS

Job completed @ 10:00AM

Thanks Ruzzak crew

CHARGE TO: Russell Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 266'

PUMP TRUCK CHARGE 1018 00

EXTRA FOOTAGE @ _____

MILEAGE 50 @ 7 00 350 00

MANIFOLD @ _____

RECEIVED

AUG 05 2010

TOTAL 1368 00

KCC WICHITA

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.

PRINTED NAME Carl Jessen,

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 038838

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

KCC
AUG 01 2010

SERVICE POINT:
Dallas, K

CONFIDENTIAL
CALLED OUT

DATE <i>5/3/10</i>	SEC <i>29</i>	TWP <i>15</i>	RANGE <i>34</i>	ON LOCATION <i>5:30pm</i>	JOB START <i>9:00am</i>	JOB FINISH <i>10:00am</i>
LEASE <i>Tucker A</i>	WELL # <i>1-29</i>	LOCATION <i>Ponce 3W 4N</i>	COUNTY <i>Logan</i>	STATE <i>K</i>		
OLD OR NEW (Circle one)						

CONTRACTOR *H2 #3*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. *4900*

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 *Same*

CEMENT AMOUNT ORDERED *205 SK, 60/40 40/20*

4416 PLO Seal

COMMON	<i>125</i>	@ <i>15.45</i>	<i>1931.25</i>
POZMIX	<i>80</i>	@ <i>8.00</i>	<i>640.00</i>
GEL	<i>7</i>	@ <i>20.00</i>	<i>140.00</i>
CHLORIDE		@	
ASC		@	
<i>FLO Seal</i>	<i>51</i>	@ <i>2.50</i>	<i>127.50</i>
HANDLING	<i>214 SK</i>	@ <i>2.40</i>	<i>513.60</i>
MILEAGE	<i>100 SK/mile</i>		<i>1000.00</i>
TOTAL			<i>4427.25</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

422 HELPER *Wayne*

BULK TRUCK DRIVER *Darren*

377 DRIVER

REMARKS:

25 SK @ 2415'
100 SK @ 12.50'
40 SK @ 320'
10 SK @ 40'
30 SK @ Hat Hole

*Thank You
Alan, Wayne, Darren*

CHARGE TO: *Russell Q. I*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1185.00*

EXTRA FOOTAGE @

MILEAGE *50 miles* @ *7.00* *350.00*

MANIFOLD @

RECEIVED @

AUG 05 2010

KCC WICHITA

TOTAL *1535.00*

PLUG & FLOAT EQUIPMENT

878 wooden Plug @ *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.

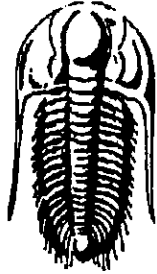
PRINTED NAME *Carl Jessop*

SIGNATURE *Carl Jessop*

SALES TAX (If Any)

TOTAL CHARGES

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

29/15s/34w Logan KS

Tucker A #1-29

Start Date: 2010.04.30 @ 08:02:00

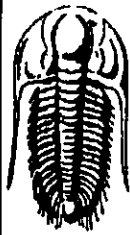
End Date: 2010.04.30 @ 14:54:30

Job Ticket #: 37327 DST #: 1

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

RECEIVED
AUG 05 2010
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 1469
Plainfield, IL 60544
ATTN: Steve Angle

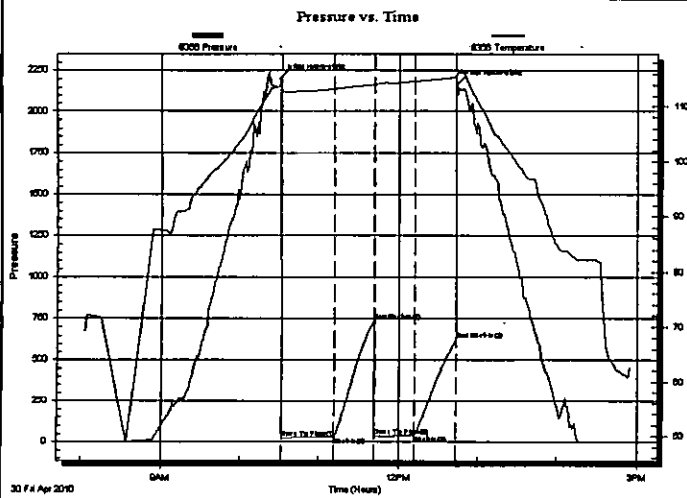
Tucker A #1-29
29/15s/34w Logan KS
Job Ticket: 37327 DST#: 1
Test Start: 2010.04.30 @ 08:02:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 10:31:30
Time Test Ended: 14:54:30
Interval: **4520.00 ft (KB) To 4690.00 ft (KB) (TVD)**
Total Depth: **4690.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **James Winder**
Unit No: **46**
Reference Elevations: **3057.00 ft (KB)**
3049.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8366 Inside
Press@RunDepth: **40.60 psig @ 4521.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.04.30** End Date: **2010.04.30** Last Calib.: **2010.04.30**
Start Time: **08:02:05** End Time: **14:54:29** Time On Btm: **2010.04.30 @ 10:30:00**
Time Off Btm: **2010.04.30 @ 12:44:00**

TEST COMMENT: IF: 1/2" blow @ open, built to 3/4" by 13 min., slowly died back, 1/4" blow @ close
IS: Bled off, No blow back
FF: No blow
FS: No blow back



PRESSURE SUMMARY

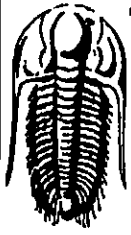
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.43	113.82	Initial Hydro-static
2	22.79	113.02	Open To Flow (1)
42	33.52	113.36	Shut-In(1)
71	733.84	114.13	End Shut-In(1)
72	36.36	114.06	Open To Flow (2)
102	40.60	114.72	Shut-In(2)
133	626.74	115.40	End Shut-In(2)
134	2171.81	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud 100%	0.63

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 37327

DST#: 1

ATTN: Steve Angle

Test Start: 2010.04.30 @ 08:02:00

Tool Information

Drill Pipe:	Length: 3968.00 ft	Diameter: 2.25 inches	Volume: 19.51 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 551.00 ft	Diameter: 3.80 inches	Volume: 7.73 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 27.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4520.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	170.00 ft			
Tool Length:	197.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4498.00	
HYD S.I. Tool	5.00			4503.00	
Jars	5.00			4508.00	
Safety Joint	2.00			4510.00	
Packer	5.00			4515.00	27.00 Bottom Of Top Packer
Packer	5.00			4520.00	
Stubb	1.00			4521.00	
Recorder	0.00	8366	Inside	4521.00	
Recorder	0.00	8320	Inside	4521.00	
Perforations	20.00			4541.00	
Blank Spacing	129.00			4670.00	
Perforations	17.00			4687.00	
Bullnose	3.00			4690.00	170.00 Bottom Packers & Anchor

Total Tool Length: 197.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 37327

DST#: 1

ATTN: Steve Angle

Test Start: 2010.04.30 @ 08:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud 100%	0.631

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

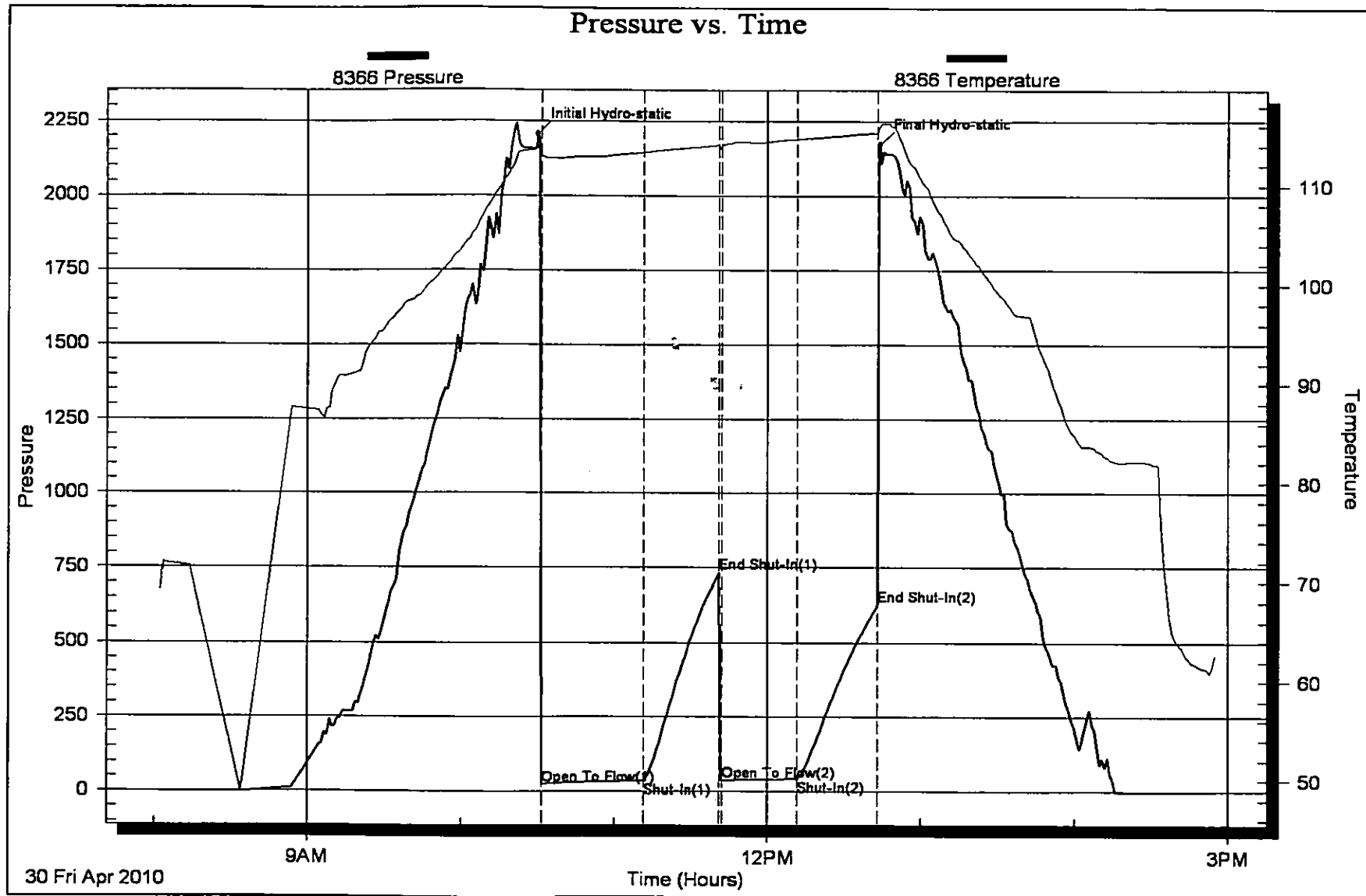
Num Gas Bombs: 0

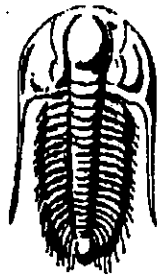
Serial #:

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

29/15s/34w Logan KS

Tucker A #1-29

Start Date: 2010.05.01 @ 15:30:05

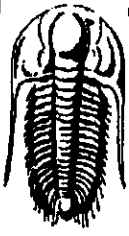
End Date: 2010.05.01 @ 23:38:59

Job Ticket #: 38868 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

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 38868

DST#: 2

ATTN: Steve Angle

Test Start: 2010.05.01 @ 15:30:05

GENERAL INFORMATION:

Formation: **Cherokee**

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

Time Tool Opened: 18:12:00

Time Test Ended: 23:38:59

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **46**

Interval: **4608.00 ft (KB) To 4800.00 ft (KB) (TVD)**

Total Depth: **4800.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3057.00 ft (KB)**

3049.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6751 **Inside**

Press@RunDepth: **psig @ 4610.00 ft (KB)**

Start Date: **2010.05.01**

End Date: **2010.05.01**

Capacity: **8000.00 psig**

Last Calib.: **2010.05.01**

Start Time: **15:30:05**

End Time: **23:38:59**

Time On Btm: **2010.05.01 @ 18:29:10**

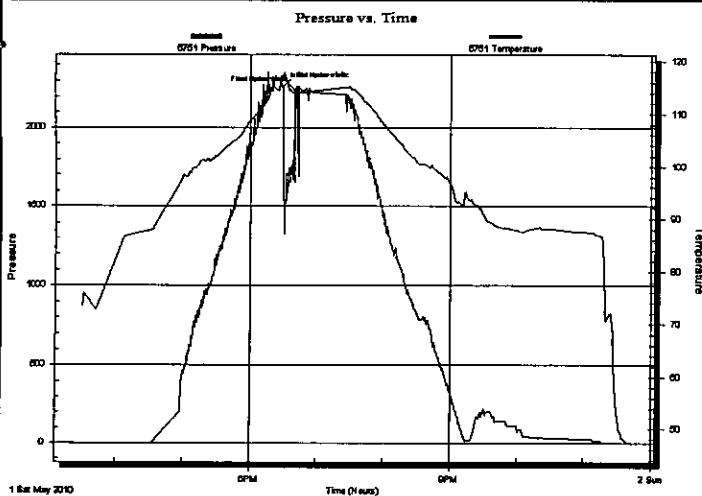
Time Off Btm: **2010.05.01 @ 18:40:00**

TEST COMMENT: **IF:Packer Failure**

IS:

FF:

FS:



PRESSURE SUMMARY

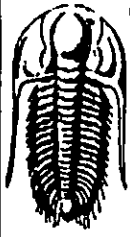
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.07	116.92	Initial Hydro-static
11	2237.51	114.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2170.00	M 100% m	15.69

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 38868

DST#: 2

ATTN: Steve Angle

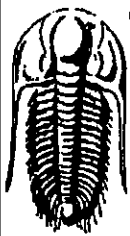
Test Start: 2010.05.01 @ 15:30:05

Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 2.25 inches	Volume: 19.98 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 551.00 ft	Diameter: 3.80 inches	Volume: 7.73 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 27.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4608.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	192.00 ft			
Tool Length:	218.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4587.00	
HYD S.I. Tool	5.00			4592.00	
Jars	5.00			4597.00	
Safety Joint	2.00			4599.00	
Packer	5.00			4604.00	26.00 Bottom Of Top Packer
Packer	4.00			4608.00	
Stubb	1.00			4609.00	
Change Over Sub	1.00			4610.00	
Recorder	0.00	8357	Inside	4610.00	
Recorder	0.00	6751	Inside	4610.00	
Blank Spacing	159.00			4769.00	
Change Over Sub	1.00			4770.00	
Perforations	27.00			4797.00	
Bullnose	3.00			4800.00	192.00 Bottom Packers & Anchor
Total Tool Length:	218.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 38868

DST#: 2

ATTN: Steve Angle

Test Start: 2010.05.01 @ 15:30:05

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2170.00	M 100%m	15.691

Total Length: 2170.00 ft Total Volume: 15.691 bbl

Num Fluid Samples: 0

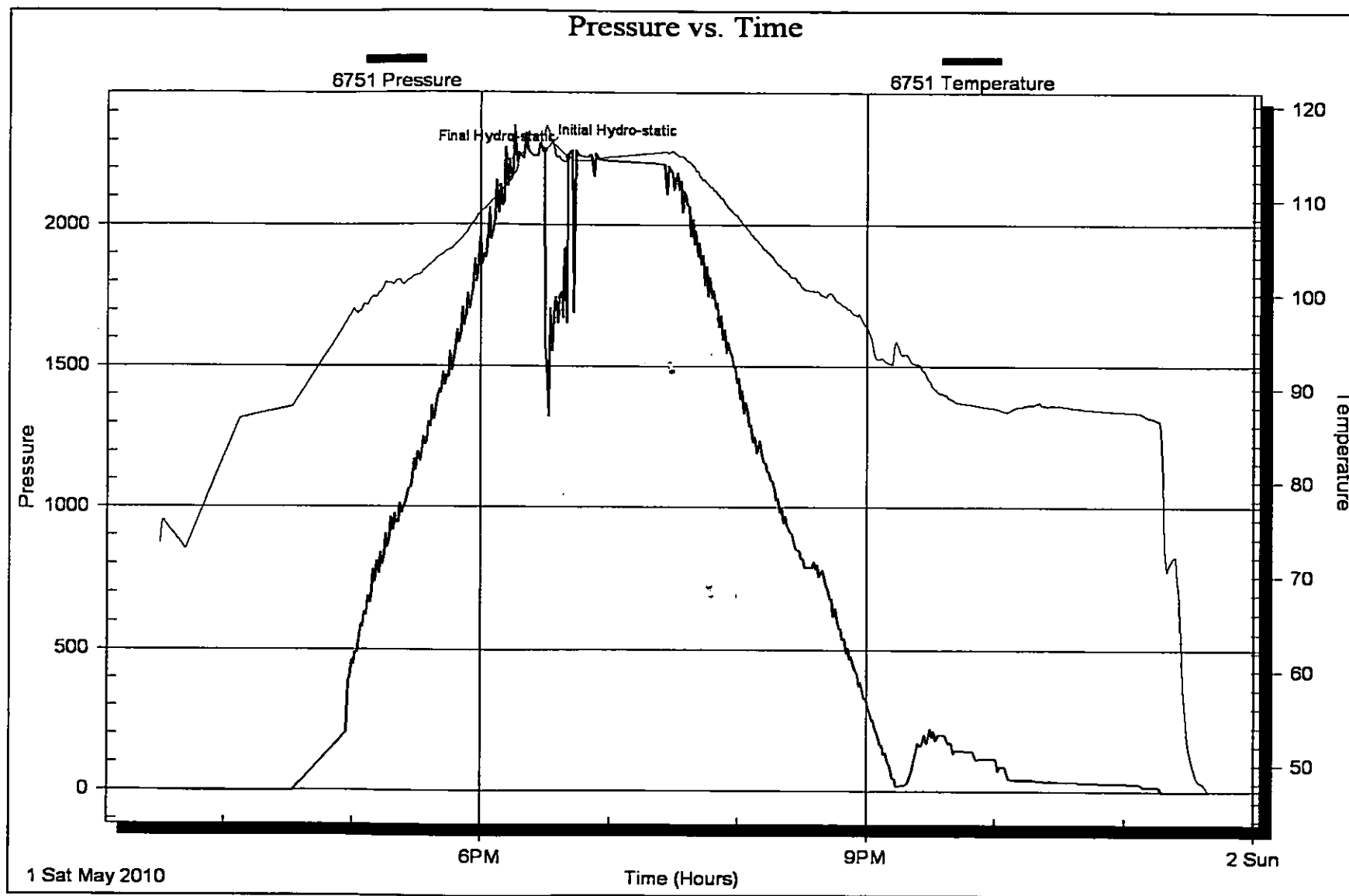
Num Gas Bombs: 0

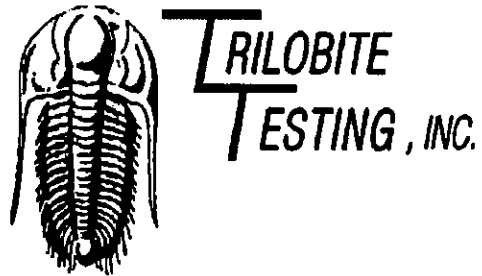
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Packer Failure, Pulled tool, dropped bar at fluid





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 1469
Plainfield, IL 60544

ATTN: Steve Angle

29/15s/34w Logan KS

Tucker A #1-29

Start Date: 2010.05.02 @ 00:18:05

End Date: 2010.05.02 @ 10:34:50

Job Ticket #: 38869 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

Tucker A #1-29

PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 38869

DST#: 3

ATTN: Steve Angle

Test Start: 2010.05.02 @ 00:18:05

GENERAL INFORMATION:

Formation: **Cherokee**

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

Time Tool Opened: 03:02:40

Time Test Ended: 10:34:50

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **37**

Interval: **4519.00 ft (KB) To 4800.00 ft (KB) (TVD)**

Total Depth: **4800.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3057.00 ft (KB)**

3049.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6751

Inside

Press@RunDepth: **1160.51 psig @ 4521.00 ft (KB)**

Start Date: **2010.05.02**

End Date:

2010.05.02

Start Time: **00:18:05**

End Time:

10:34:50

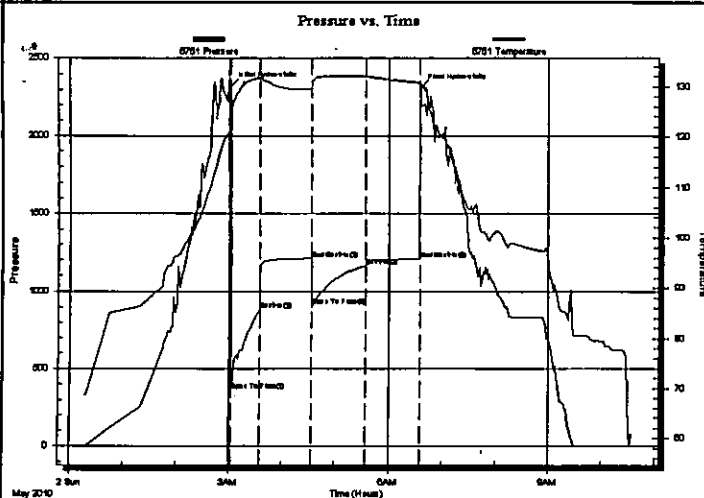
Capacity: **8000.00 psig**

Last Calib.: **2010.05.02**

Time On Btm: **2010.05.02 @ 03:02:10**

Time Off Btm: **2010.05.02 @ 06:35:59**

TEST COMMENT: IF:BOB in 1 Mn.
IS:No blow back
FF:BOB in 3 Mn.
FS:No blow back



PRESSURE SUMMARY

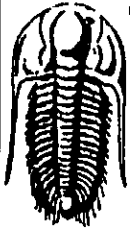
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2325.90	121.52	Initial Hydro-static
1	362.30	122.50	Open To Flow (1)
33	878.46	131.81	Shut-In(1)
91	1210.35	129.64	End Shut-In(1)
91	905.70	129.49	Open To Flow (2)
153	1160.51	132.05	Shut-In(2)
213	1207.46	130.81	End Shut-In(2)
214	2313.90	130.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	M 100%	5.22
2108.00	SW 100%	12.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

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PO Box 1469
Plainfield, IL 60544

29/15s/34w Logan KS

Job Ticket: 38869

DST#: 3

ATTN: Steve Angle

Test Start: 2010.05.02 @ 00:18:05

Tool Information

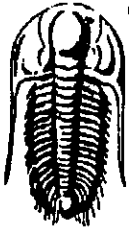
Drill Pipe:	Length: 3968.00 ft	Diameter: 2.25 inches	Volume: 19.51 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 551.00 ft	Diameter: 3.80 inches	Volume: 7.73 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume: 27.24 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4519.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	281.00 ft			
Tool Length:	308.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4497.00	
HYD S.I. Tool	5.00			4502.00	
Jars	5.00			4507.00	
Safety Joint	2.00			4509.00	
Packer	5.00			4514.00	27.00 Bottom Of Top Packer
Packer	5.00			4519.00	
Stubb	1.00			4520.00	
Change Over Sub	1.00			4521.00	
Recorder	0.00	8357	inside	4521.00	
Recorder	0.00	6751	inside	4521.00	
Blank Spacing	252.00			4773.00	
Change Over Sub	1.00			4774.00	
Perforations	23.00			4797.00	
Bullnose	3.00			4800.00	281.00 Bottom Packers & Anchor

Total Tool Length: 308.00



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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:

25000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
372.00	M 100%	5.218
2108.00	SW 100%	11.997

Total Length: 2480.00 ft

Total Volume: 17.215 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=59.5 degrees @ .322= 25,000 ppm

