

**KANSAS CORPORATION COMMISSION 1048989**  
**OIL & GAS CONSERVATION DIVISION**

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 # 3293  
 Name: Russell Oil, Inc.  
 Address 1: PO BOX 8050  
 Address 2: \_\_\_\_\_  
 City: EDMOND State: OK Zip: 73083 + \_\_\_\_\_  
 Contact Person: LEROY HOLT  
 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       WSW       SWD       SIOW  
 Gas       D&A       ENHR       SIGW  
 OG       GSW       Temp. Abd.  
 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 ENHR       Conv. to SWD  
 Conv. to GSW

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

Commingled      Permit #: \_\_\_\_\_  
 Dual Completion      Permit #: \_\_\_\_\_  
 SWD      Permit #: \_\_\_\_\_  
 ENHR      Permit #: \_\_\_\_\_  
 GSW      Permit #: \_\_\_\_\_

<u>10/05/2010</u>	<u>10/15/2010</u>	<u>10/16/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-109-20942-00-00

Spot Description: \_\_\_\_\_  
S2 N2 N2 S2 Sec. 28 Twp. 15 S. R. 34  East  West  
2090 Feet from  North /  South Line of Section  
2640 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE       NW       SE       SW

County: Logan  
 Lease Name: McDaniel N Unit Well #: 1  
 Field Name: MCDANIEL (EXTENSION)

Producing Formation: NA  
 Elevation: Ground: 3018 Kelly Bushing: 3029

Total Depth: 4800 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at: 225 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: 15000 ppm Fluid volume: 900 bbls  
 Dewatering method used: Evaporated  
 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**

Letter of Confidentiality Received  
 Date: 01/06/2011

Confidential Release Date: 01/05/2013

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: NAOMI JAMES Date: 01/07/2011

Operator Name: Russell Oil, Inc. Lease Name: McDaniel N Unit Well #: 1  
 Sec. 28 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
 (If no, Submit Copy)

List All E. Logs Run:  
**Attached**

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Attached Attached Attached

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	12.25	8.625	23	225	COMMON	165	2% GEL;3% C.C.

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing	-			
____ Plug Back TD				
____ 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:  Yes  No

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:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	_____

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	McDaniel N Unit 1
Doc ID	1048989

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
MICRORESISTIVITY
DUAL INDUCTION
COMPUTER PROCESSED INTERPRETATION

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	McDaniel N Unit 1
Doc ID	1048989

Tops

ANHYDRITE	2372	+657
BASE ANHYDRITE	2391	+638
TOPEKA	3633	-615
HEEBNER	3866	-848
TORONTO	3882	-864
LANSING/KC	3907	-889
STARK SHALE	4189	-1171
BASE/KC	4291	-1273
MARMATON	4319	-1301
PAWNEE	4396	-1378
MYRIC STATION	4432	-1414
FORT SCOTT	4450	-1432
CHEROKEE SHALE	4476	-1458
ATOKA LIME	4553	-1524
MORROW SAND	4582	-1553
MISSISSIPPI	4668	-1639

# ALLIED CEMENTING CO., LLC. 035126A

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

SERVICE POINT:  
OAKLEY

DATE <u>10-5-10</u>	SEC. <u>28</u>	TWP. <u>15S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>2:15 AM</u>	JOB START <u>7:30 AM</u>	JOB FINISH <u>8:00 AM</u>
LEASE <u>McDANIELS N</u>	WELL # <u>1</u>	LOCATION <u>PENCE 3W-4 1/4 N-1 1/2 E-N IN</u>			COUNTY <u>LOGAN</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H 2 ORLS RIS #2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 230'

CASING SIZE 8 3/8" DEPTH 230'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13 3/4 BBS

OWNER SAME

CEMENT AMOUNT ORDERED 165 SKS COM 390CC 290 GEL

COMMON	<u>165 SKS</u>	@	<u>15.45</u>	<u>2549.25</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>20.80</u>	<u>62.40</u>
CHLORIDE	<u>6 SKS</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174 SKS</u>	@	<u>2.40</u>	<u>417.60</u>
MILEAGE	<u>10¢ PER SK / MILE</u>			<u>870</u>
TOTAL				<u>4248.85</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER JERRY

# 423-281 HELPER LAREN

BULK TRUCK

# 396 DRIVER JERRY

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

CEMENT AID CIRC.

THANK YOU

CHARGE TO: RUSSELL OIL

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>230'</u>		
PUMP TRUCK CHARGE			<u>1018.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@	<u>7.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1368.00</u>			

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

# ALLIED CEMENTING CO., LLC. 035489

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

SERVICE POINT: Oakley, KS

DATE <u>10/16/10</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>8:00</u>	JOB FINISH <u>8:30</u>
LEASE <u>McDonald's</u>	WELL # <u>#1</u>	LOCATION <u>Pence 3W 4 1/2 N 1W 1/2 SW</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>new</u>			

CONTRACTOR H<sub>2</sub> PTA

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 220 SK 60/40  
400 gal 74 lb 10 Seal

COMMON	<u>132</u>	@	<u>15 45</u>	<u>2039 40</u>
POZMIX	<u>88</u>	@	<u>8 20</u>	<u>704 20</u>
GEL	<u>8</u>	@	<u>22 80</u>	<u>166 20</u>
CHLORIDE		@		
ASC		@		
<u>Flo Seal 55 lb</u>		@	<u>2 50</u>	<u>137 50</u>
HANDLING <u>230 SK</u>		@	<u>2 40</u>	<u>552 00</u>
MILEAGE <u>104 SK/mile</u>		@		<u>1152 00</u>
TOTAL				<u>4749 30</u>

EQUIPMENT

PUMP TRUCK # 421 CEMENTER Alan HELPER Wayne

BULK TRUCK # 394 DRIVER Wil

BULK TRUCK # DRIVER

REMARKS:

25 SK @ 2390,  
100 SK @ 1100,  
40 SK @ 275,  
10 SK @ 40,

30 SK Rest Hole  
15 SK main Hole

CHARGE TO: Russell Oil

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1185 00

EXTRA FOOTAGE @

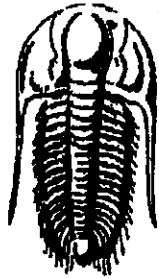
MILEAGE 50 @ 7 00 350 00

MANIFOLD @

TOTAL 1535 00

PLUG & FLOAT EQUIPMENT

8 1/2" wooden Plug @ 40 00



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 8050  
Edmond OK 73083

ATTN: Steve Angle

**28-15-34 Logan KS**

**McDaniel N Unit #1**

Start Date: 2010.10.09 @ 23:00:00

End Date: 2010.10.10 @ 09:36:40

Job Ticket #: 40285                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil Inc.

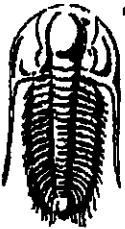
McDaniel N Unit #1

28-15-34 Logan KS

DST # 1

Langsing KC

2010.10.09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc.  
 PO Box 8050  
 Edmond OK 73083  
 ATTN: Steve Angle

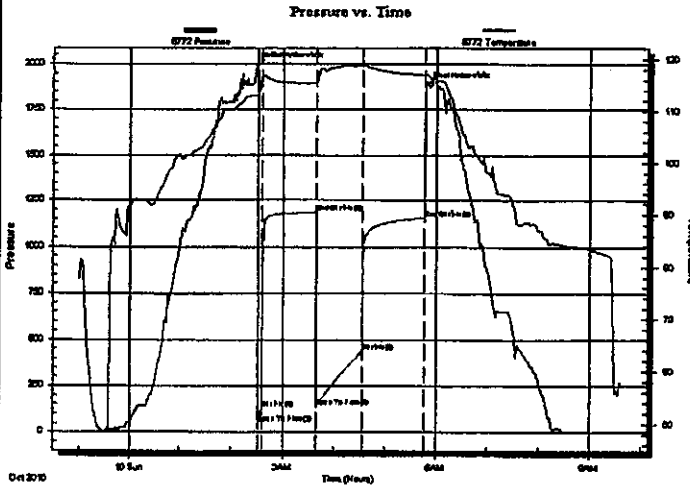
McDaniel N Unit #1  
 28-15-34 Logan KS  
 Job Ticket: 40285      DST#: 1  
 Test Start: 2010.10.09 @ 23:00:00

## GENERAL INFORMATION:

Formation: **Lansing KC**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: **02:31:00**  
 Time Test Ended: **09:36:40**  
 Interval: **3936.00 ft (KB) To 4000.00 ft (KB) (TVD)**  
 Total Depth: **4000.00 ft (KB) (TVD)**  
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Harley Davidson**  
 Unit No: **33**  
 Reference Elevations: **3029.00 ft (KB)**  
    **3020.00 ft (CF)**  
    **KB to GR/CF: 9.00 ft**

Serial #: **6772**      **Inside**  
 Press@RunDepth: **438.25 psig @ 3938.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.10.09**      End Date: **2010.10.10**      Last Calib.: **2010.10.10**  
 Start Time: **23:00:05**      End Time: **09:36:39**      Time On Btm: **2010.10.10 @ 02:29:40**  
    **09:36:39**      Time Off Btm: **2010.10.10 @ 05:47:44**

TEST COMMENT: IF- Good building blow 7" in the bucket.  
 IS- No blow back.  
 FF- Good building blow BOB 8min.  
 FS- No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1990.14	113.09	Initial Hydro-static
2	46.38	112.58	Open To Flow (1)
7	127.43	116.11	Shut-In(1)
69	1183.58	115.42	End Shut-In(1)
70	136.23	115.18	Open To Flow (2)
125	438.25	118.68	Shut-In(2)
197	1153.88	117.00	End Shut-In(2)
199	1881.90	117.15	Final Hydro-static

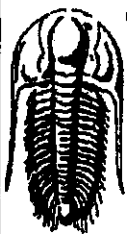
## Recovery

Length (ft)	Description	Volume (bbl)
940.00	10% mud 90% w ater	10.98

## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/M)





**TRILOBITE**  
**TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Russell Oil Inc.

McDaniel N Unit #1

PO Box 8050  
Edmond OK 73083

28-15-34 Logan KS

Job Ticket: 40285

DST#: 1

ATTN: Steve Angle

Test Start: 2010.10.09 @ 23:00:00

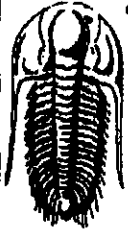
### Tool Information

Drill Pipe:	Length: 3672.00 ft	Diameter: 3.80 inches	Volume: 51.51 bbl	Tool Weight: 2000.00 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: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 52.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3936.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			3909.00	
Shut In Tool	5.00			3914.00	
Hydraulic tool	5.00			3919.00	
Jars	5.00			3924.00	
Safety Joint	3.00			3927.00	
Packer	5.00			3932.00	28.00 Bottom Of Top Packer
Packer	4.00			3936.00	
Stubb	1.00			3937.00	
Perforations	1.00			3938.00	
Recorder	0.00	8355	inside	3938.00	
Recorder	0.00	6772	inside	3938.00	
Change Over Sub	1.00			3939.00	
Drill Pipe	31.00			3970.00	
Change Over Sub	1.00			3971.00	
Perforations	26.00			3997.00	
Bullnose	3.00			4000.00	64.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>92.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
ATTN: Steve Angle

McDaniel N Unit #1  
28-15-34 Logan KS  
Job Ticket: 40285      DST#: 1  
Test Start: 2010.10.09 @ 23:00:00

**Mud and Cushion Information**

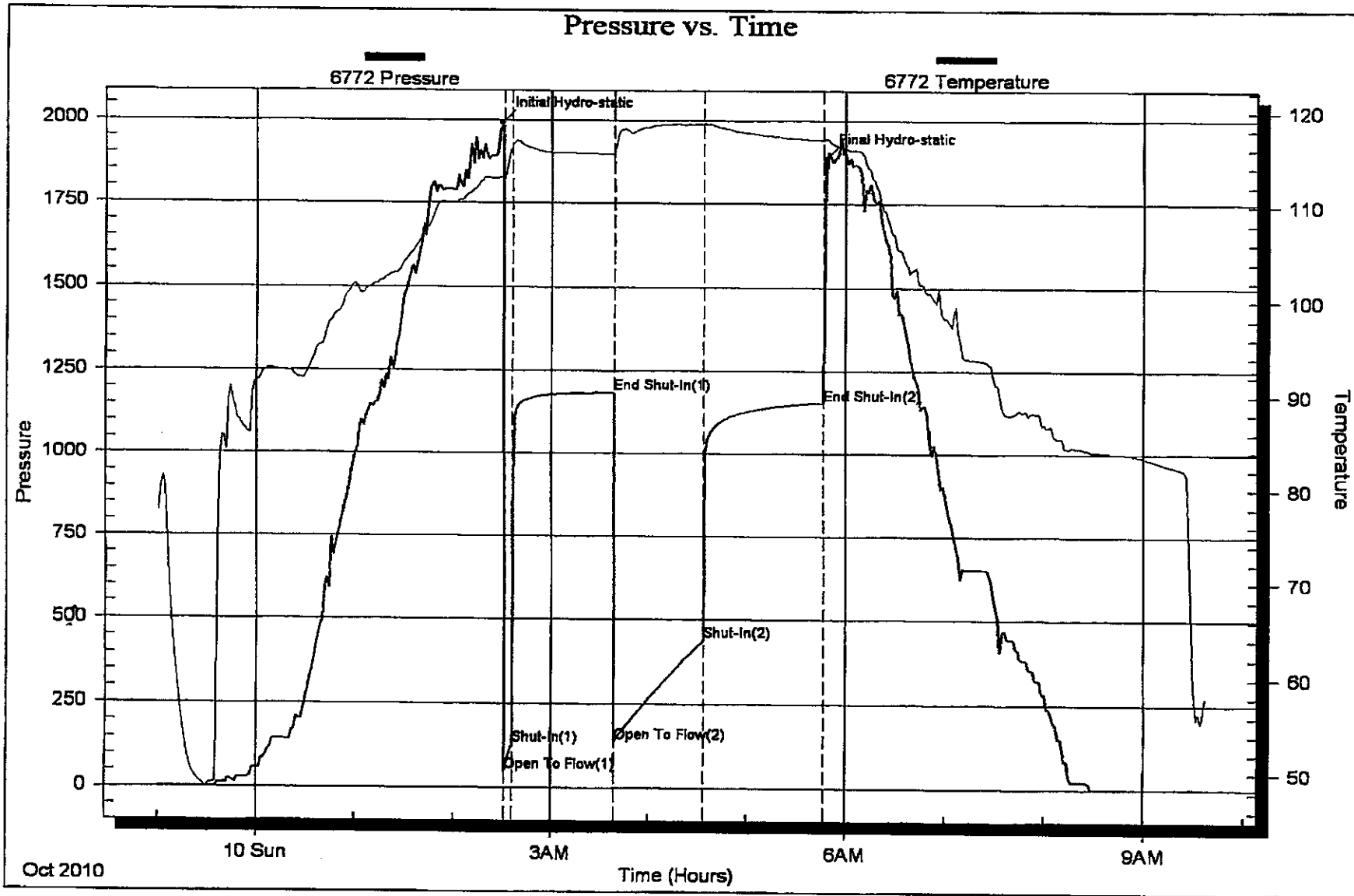
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	25000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.47 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: inches			

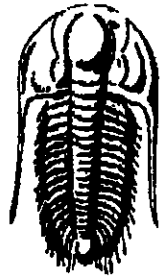
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
940.00	10% mud 90% water	10.981

Total Length: 940.00 ft      Total Volume: 10.981 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 0.4 @ 60 = 25000 CHL.





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 8050  
Edmond OK 73083

ATTN: Steve Angle

**28-15-34 Logan KS**

**McDaniel N Unit #1**

Start Date: 2010.10.11 @ 09:35:21

End Date: 2010.10.11 @ 18:05:36

Job Ticket #: 039676          DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil Inc.

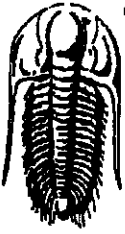
McDaniel N Unit #1

28-15-34 Logan KS

DST # 2

Lower KC

2010.10.11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
ATTN: Steve Angle

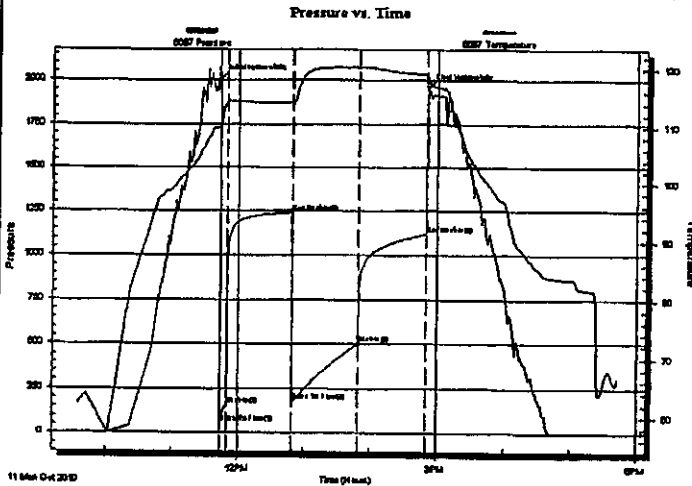
**McDaniel N Unit #1**  
**28-15-34 Logan KS**  
Job Ticket: 039676      DST#: 2  
Test Start: 2010.10.11 @ 09:35:21

## GENERAL INFORMATION:

Formation: Lower KC  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 11:44:06  
Time Test Ended: 18:05:36  
Interval: 4130.00 ft (KB) To 4190.00 ft (KB) (TVD)  
Total Depth: 4190.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40  
Reference Elevations: 3029.00 ft (KB)  
3020.00 ft (CF)  
KB to GR/CF: 9.00 ft

Serial #: 6667      Inside  
Press@RunDepth: 499.40 psig @ 4131.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.10.11      End Date: 2010.10.11      Last Calb.: 2010.10.11  
Start Time: 09:35:21      End Time: 17:44:36      Time On Btm: 2010.10.11 @ 11:43:36  
Time Off Btm: 2010.10.11 @ 14:51:21

TEST COMMENT: 9 1/2" in blow  
No return  
B.O.B. in 7 min.  
No return



## PRESSURE SUMMARY

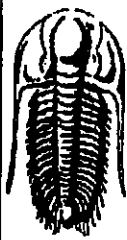
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.13	110.27	Initial Hydro-static
1	57.52	109.95	Open To Flow (1)
6	158.13	114.34	Shut-in(1)
66	1236.41	114.24	End Shut-in(1)
66	181.37	113.98	Open To Flow (2)
126	499.40	120.20	Shut-in(2)
187	1119.71	119.08	End Shut-in(2)
188	1957.46	118.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
744.00	water 100%w	8.22
186.00	m c w 20% m 80% w	2.61
140.00	w c m 50% w 50% m	1.96

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Russell Oil Inc.

McDaniel N Unit #1

PO Box 8050  
Edmond OK 73083

28-15-34 Logan KS

Job Ticket: 039676

DST#: 2

ATTN: Steve Angle

Test Start: 2010.10.11 @ 09:35:21

### Tool Information

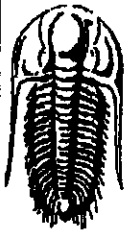
Drill Pipe:	Length: 3885.00 ft	Diameter: 3.80 inches	Volume: 54.22 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4130.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			4104.00	
Shut In Tool	5.00			4109.00	
Hydraulic tool	5.00			4114.00	
Jars	5.00			4119.00	
Safety Joint	2.00			4121.00	
Packer	5.00			4126.00	27.00 Bottom Of Top Packer
Packer	4.00			4130.00	
Stubb	1.00			4131.00	
Recorder	0.00	6771	Outside	4131.00	
Recorder	0.00	6667	Inside	4131.00	
Perforations	21.00			4152.00	
Change Over Sub	1.00			4153.00	
Drill Pipe	31.00			4184.00	
Change Over Sub	1.00			4185.00	
Bullnose	5.00			4190.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 87.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc.

**McDaniel N Unit #1**

PO Box 8050  
Edmond OK 73083

**28-15-34 Logan KS**

Job Ticket: 039676

DST#: 2

ATTN: Steve Angle

Test Start: 2010.10.11 @ 09:35:21

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
744.00	water 100%w	8.223
186.00	m c w 20%m 80%w	2.609
140.00	w c m 50%w 50%m	1.964

Total Length: 1070.00 ft      Total Volume: 12.796 bbl

Num Fluid Samples: 0

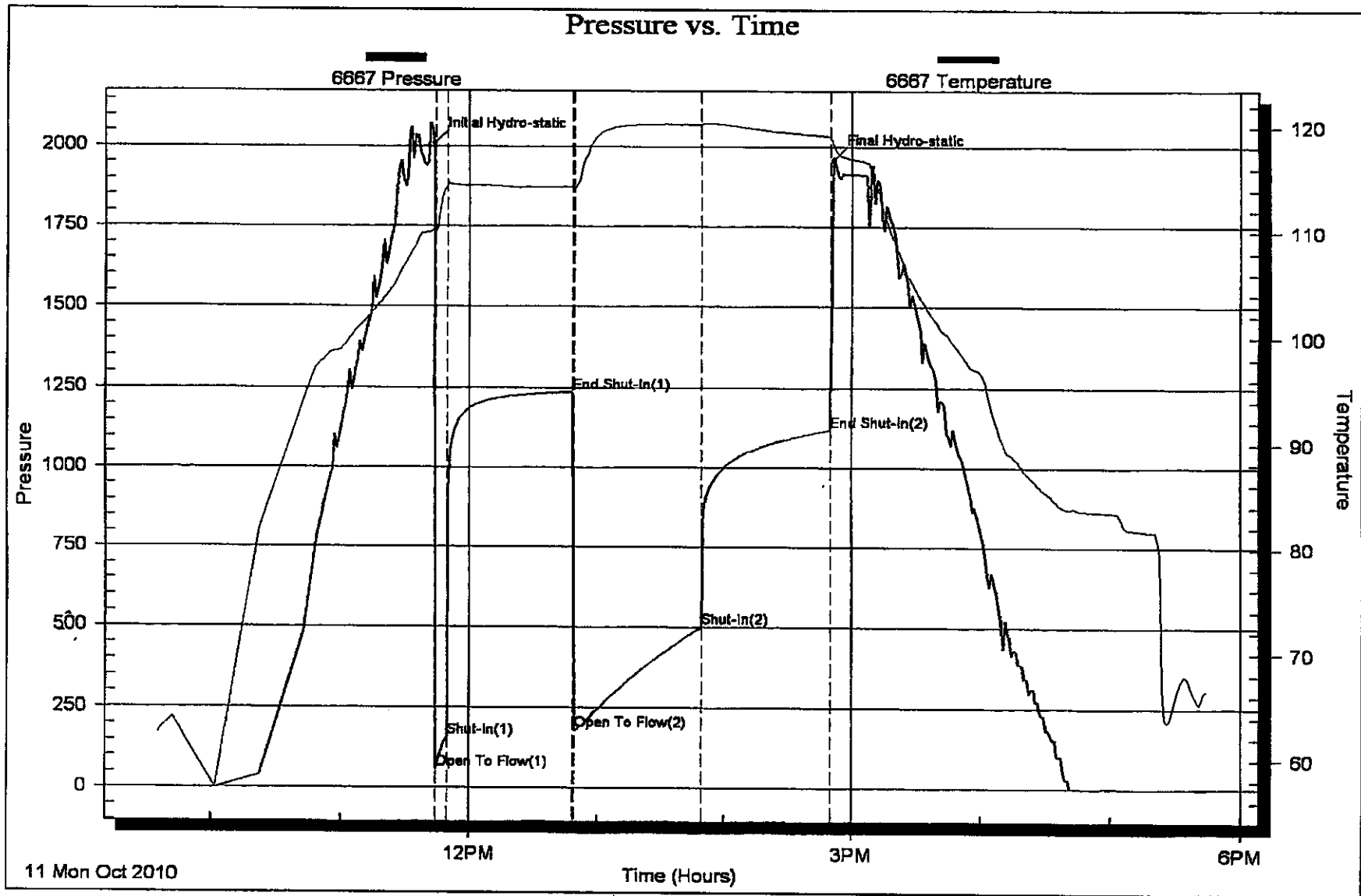
Num Gas Bombs: 0

Serial #:

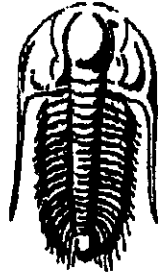
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .240 @ 68°F = 30,000 chlor







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

PO Box 8050  
Edmond OK 73083

ATTN: Steve Angle

**28-15-34 Logan KS**

**McDaniel N Unit #1**

Start Date: 2010.10.12 @ 17:16:08

End Date: 2010.10.13 @ 00:13:38

Job Ticket #: 039677      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil Inc.

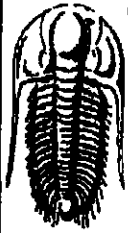
McDaniel N Unit #1

28-15-34 Logan KS

DST # 3

Marm

2010.10.12



**TRIOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
ATTN: Steve Angle

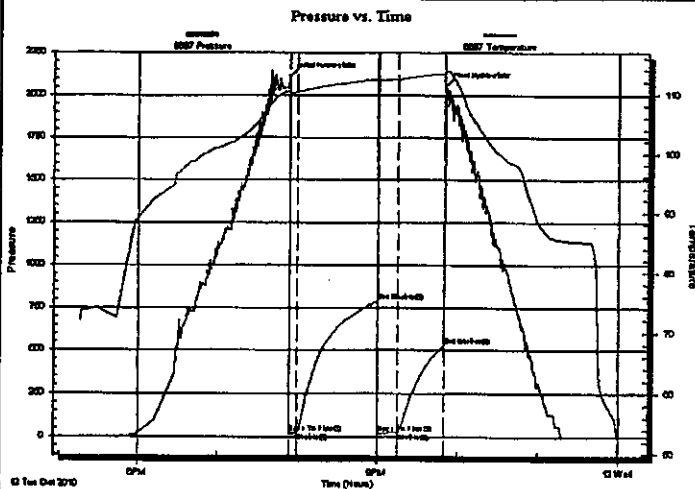
McDaniel N Unit #1  
28-15-34 Logan KS  
Job Ticket: 039677      DST#: 3  
Test Start: 2010.10.12 @ 17:16:08

## GENERAL INFORMATION:

Formation: Marm  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 19:53:38  
 Time Test Ended: 00:13:38  
 Interval: 4288.00 ft (KB) To 4395.00 ft (KB) (TVD)  
 Total Depth: 4395.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 40  
 Reference Elevations: 3029.00 ft (KB)  
 3020.00 ft (CF)  
 KB to GR/CF: 9.00 ft

Serial #: 6667      Inside  
 Press@RunDepth: 26.09 psig @ 4289.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2010.10.12      End Date: 2010.10.13      Last Calib.: 2010.10.13  
 Start Time: 17:16:08      End Time: 00:01:38      Time On Btm: 2010.10.12 @ 19:53:23  
 Time Off Btm: 2010.10.12 @ 21:50:38

TEST COMMENT: 1/4" in blow died back to a weak surface blow  
 No return  
 Surface blow died in 3 min.  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.51	110.52	Initial Hydro-static
1	22.21	109.95	Open To Flow (1)
7	23.42	110.35	Shut-In(1)
67	789.60	112.50	End Shut-In(1)
68	25.26	112.24	Open To Flow (2)
82	26.09	112.49	Shut-In(2)
117	532.53	113.42	End Shut-In(2)
118	2057.71	113.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
ATTN: Steve Angle

**McDaniel N Unit #1**  
**28-15-34 Logan KS**  
Job Ticket: 039677      DST#: 3  
Test Start: 2010.10.12 @ 17:16:08

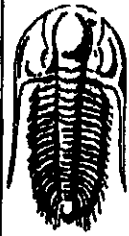
**Tool Information**

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.80 inches	Volume: 56.82 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: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 85000.00 lb
		<b>Total Volume:</b>	<b>58.02 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4288.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
Tool Length:	134.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4262.00	
Shut In Tool	5.00			4267.00	
Hydraulic tool	5.00			4272.00	
Jars	5.00			4277.00	
Safety Joint	2.00			4279.00	
Packer	5.00			4284.00	27.00      Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	6771	Outside	4289.00	
Recorder	0.00	6667	Inside	4289.00	
Perforations	6.00			4295.00	
Change Over Sub	1.00			4296.00	
Drill Pipe	93.00			4389.00	
Change Over Sub	1.00			4390.00	
Bullnose	5.00			4395.00	107.00      Bottom Packers & Anchor

**Total Tool Length: 134.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
ATTN: Steve Angle

McDaniel N Unit #1  
28-15-34 Logan KS  
Job Ticket: 039677      DST#: 3  
Test Start: 2010.10.12 @ 17:16:08

**Mud and Cushion Information**

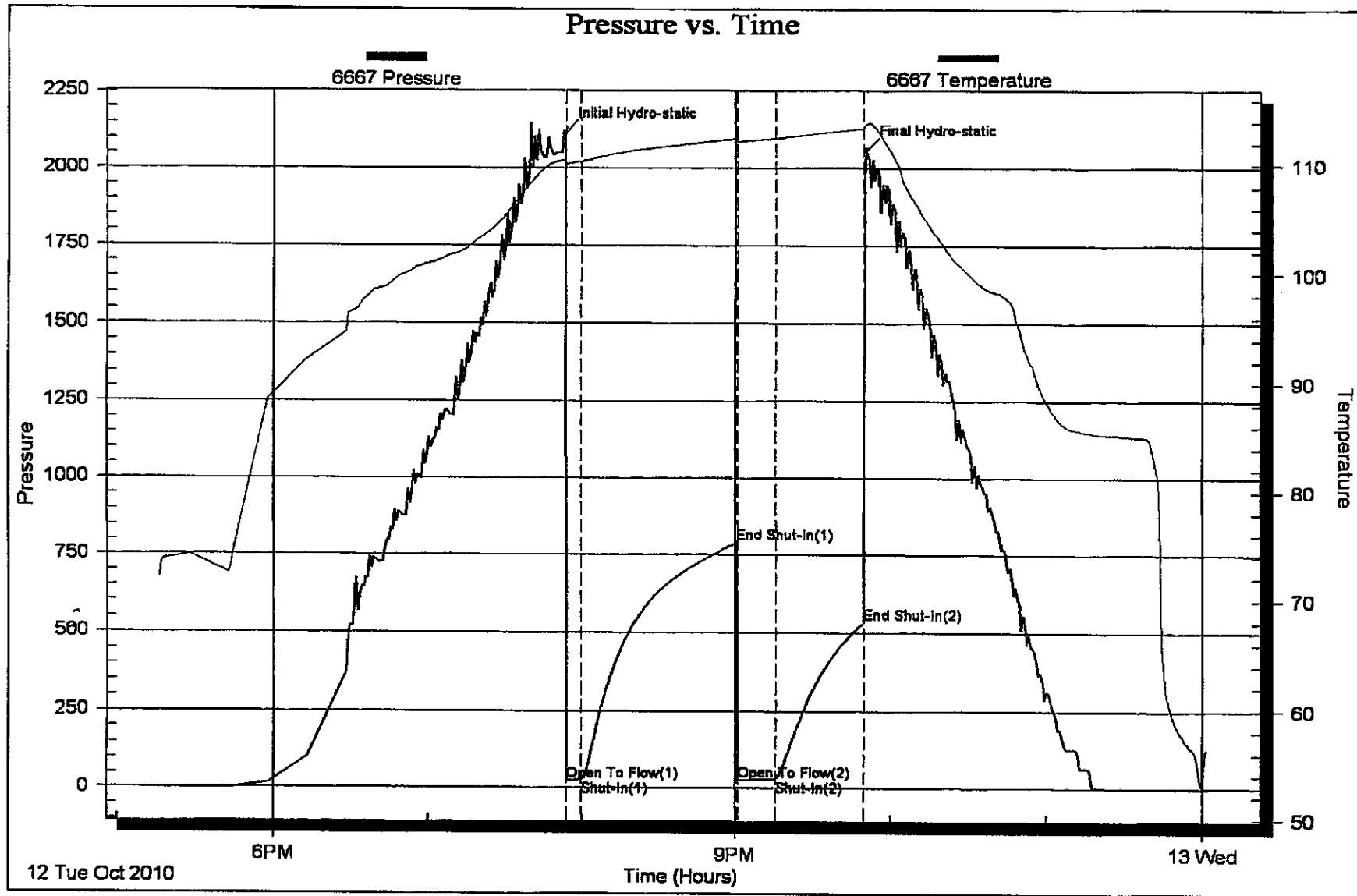
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

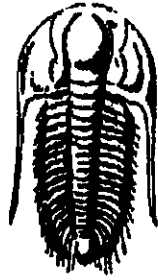
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100% <sub>m</sub>	0.015

Total Length: 3.00 ft      Total Volume: 0.015 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 8050  
Edmond OK 73083

ATTN: Steve Angle

**28-15-34 Logan KS**

**McDaniel N Unit #1**

Start Date: 2010.10.13 @ 15:40:37

End Date: 2010.10.13 @ 22:35:22

Job Ticket #: 039678      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Russell Oil Inc.

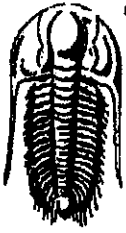
McDaniel N Unit #1

28-15-34 Logan KS

DST # 4

Fr Scott

2010.10.13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil Inc.  
PO Box 8050  
Edmond OK 73083  
  
ATTN: Steve Angle

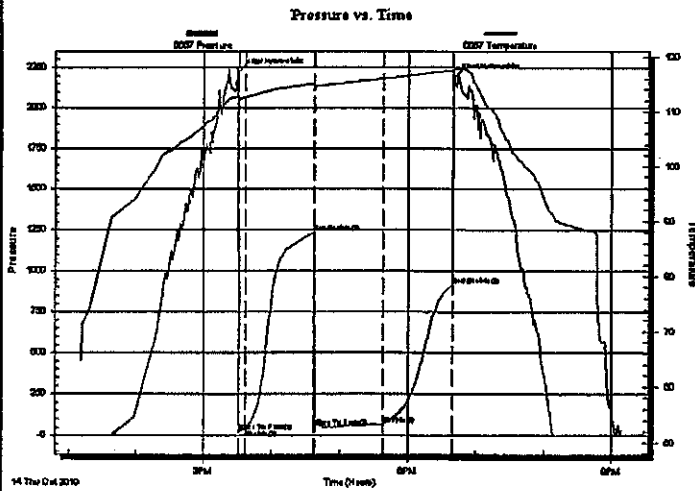
**McDaniel N Unit #1**  
**28-15-34 Logan KS**  
Job Ticket: 039679      **DST#: 5**  
Test Start: 2010.10.14 @ 13:11:05

## GENERAL INFORMATION:

Formation: **Cherokee**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 15:30:35  
Time Test Ended: 21:25:05  
  
Interval: **4476.00 ft (KB) To 4560.00 ft (KB) (TVD)**  
Total Depth: **4560.00 ft (KB) (TVD)**  
Hole Diameter: **7.78 inches** Hole Condition: Fair  
  
Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**  
  
Reference Elevations: **3029.00 ft (KB)**  
**3020.00 ft (CF)**  
KB to GR/CF: **9.00 ft**

**Serial #: 6667**      Inside  
Press@RunDepth: **67.58 psig @ 4477.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.10.14**      End Date: **2010.10.14**      Last Calib.: **2010.10.14**  
Start Time: **13:11:05**      End Time: **21:09:05**      Time On Btm: **2010.10.14 @ 15:30:05**  
Time Off Btm: **2010.10.14 @ 18:41:20**

**TEST COMMENT:** 1" in blow  
No return  
5" in blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.26	112.75	Initial Hydro-static
1	27.61	112.30	Open To Flow (1)
7	35.70	112.59	Shut-In(1)
67	1233.52	115.04	End Shut-In(1)
68	48.16	114.68	Open To Flow (2)
128	67.58	116.02	Shut-In(2)
190	916.35	117.44	End Shut-In(2)
192	2191.69	117.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	g o c m 10g 40o 50m	0.30
62.00	s g o c m 5g 10o 85m	0.30
0.00	248' gas in pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Russell Oil Inc.

McDaniel N Unit #1

PO Box 8050  
Edmond OK 73083

28-15-34 Logan KS

Job Ticket: 039679

DST#: 5

ATTN: Steve Angle

Test Start: 2010.10.14 @ 13:11:05

**Tool Information**

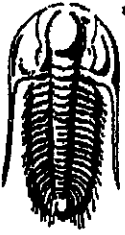
Drill Pipe:	Length: 4239.00 ft	Diameter: 3.80 inches	Volume: 59.46 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4476.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4450.00	
Shut In Tool	5.00			4455.00	
Hydraulic tool	5.00			4460.00	
Jars	5.00			4465.00	
Safety Joint	2.00			4467.00	
Packer	5.00			4472.00	27.00 Bottom Of Top Packer
Packer	4.00			4476.00	
Stubb	1.00			4477.00	
Recorder	0.00	6771	Outside	4477.00	
Recorder	0.00	6667	Inside	4477.00	
Perforations	14.00			4491.00	
Change Over Sub	1.00			4492.00	
Drill Pipe	62.00			4554.00	
Change Over Sub	1.00			4555.00	
Bullnose	5.00			4560.00	84.00 Bottom Packers & Anchor

**Total Tool Length: 111.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Russell Oil Inc.

**McDaniel N Unit #1**

PO Box 8050  
Edmond OK 73083

**28-15-34 Logan KS**

Job Ticket: 039679

**DST#: 5**

ATTN: Steve Angle

Test Start: 2010.10.14 @ 13:11:05

**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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.56 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

**Recovery Table**

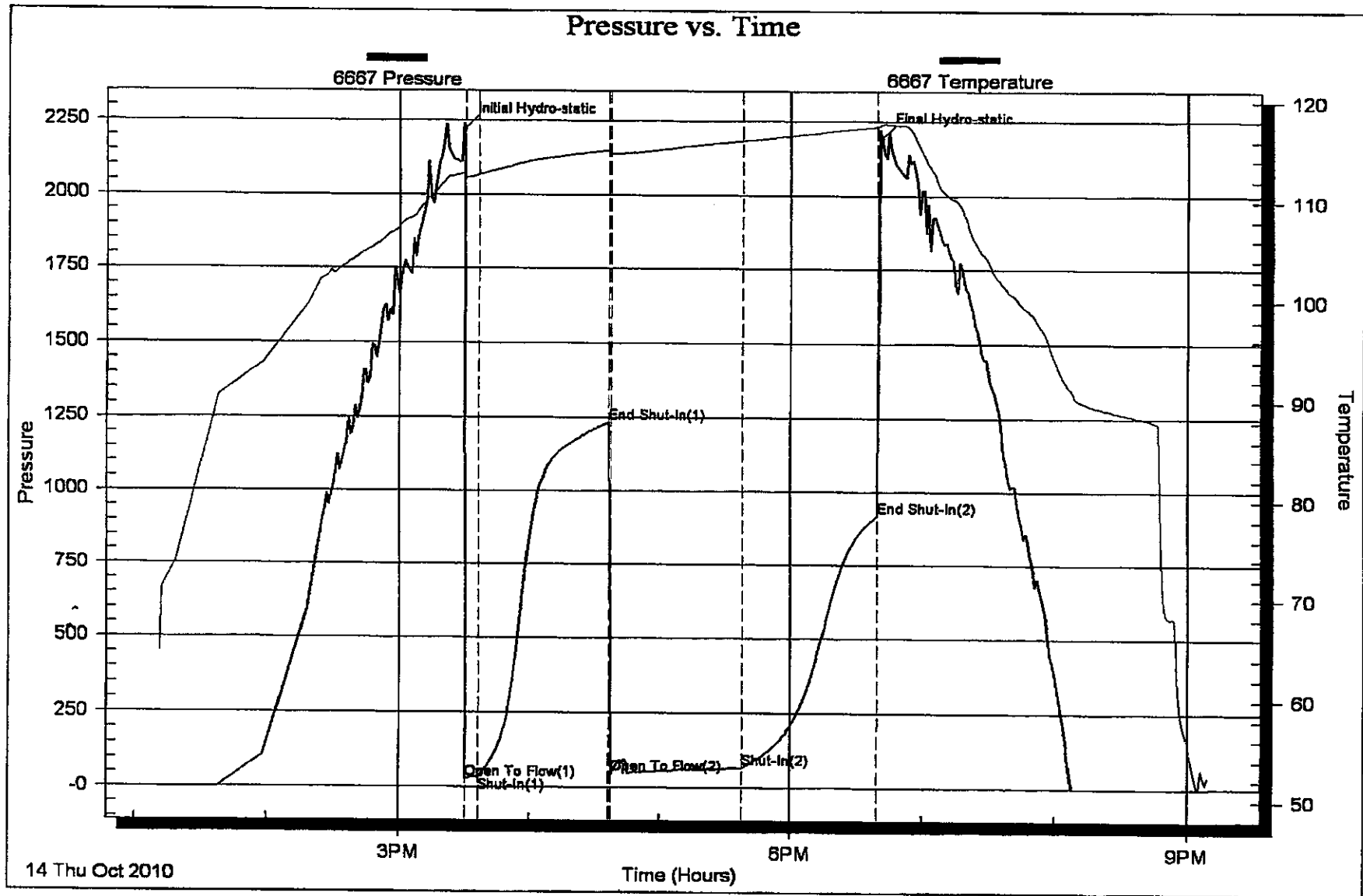
Length ft	Description	Volume bbl
62.00	g o c m 10g 40o 50m	0.305
62.00	s g o c m 5g 10o 85m	0.305
0.00	248' gas in pipe	0.000

Total Length: 124.00 ft      Total Volume: 0.610 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



# GEOLOGICAL REPORT

DRILLING TIME

S.D. ANGLE - COPYRIGHT 2010

SAMPLE LOG

COMPANY Russell Oil Inc.  
LEASE McDaniel "N" Unit  
WELL NO. 1  
LOCATION 2090' F3H + 2640' FWH  
SEC 28 TWN 155 RNG 34W  
COUNTY LOGAN STATE KANSAS  
POOL McDaniel (extension)  
API NO. 15-109-20942-00-00

ELEVATIONS  
KB 3029'  
DF —  
GL 3018'  
MEASUREMENT FROM  
Kelly Bushing  
PIPE STRAP @ 4000'  
79' long to  
Board.

CONTRACTOR H2 - Rig #2  
COMMENCED October 5, 2010  
COMPLETED October 16, 2010  
RTD 4800'  
MUD Mud-Co, Inc. Chemical  
SAMPLES FROM 3400' TO 4800'  
DRILLING TIME FROM 3400' TO 4800'  
SUPERVISION FROM 3400' TO 4800'  
GEOLOGIST STEVEN D. ANGLE

CASING RECORD  
SURFACE New 8 5/8"  
23# set @ 225' w/  
165x8 com + 370cc  
270 Gal. CDC/Surf.  
PRODUCTION None  
DRY Hole -  
Plugged + Abandoned

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All formation tops, zones of interest, porosity, shows and sample time lag are based from the top of Kelly Bushing measurements. Any corrections in measurements during the drilling of this well have been incorporated into this report.

ORIGINAL  
COPY

Sincerely,

Steven D. Angle  
WBC

FOR

Andy

Basc

Top

Heel

Top

KANS.

STAN

BASC

MARI.

Pau

WYK

FORT

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Missis.

Rotary

Log To

## DAILY PENETRATION

DEPTH	@	TIME	ON	DATE
UNDER Surface		4:15 A.M.		10-5-10
1240'		7:00 A.M.		10-6-10
2486'		7:00 A.M.		10-7-10
3275'		7:00 A.M.		10-8-10
3805'		7:00 A.M.		10-9-10
4000'		7:00 A.M.		10-10-10
4190'		7:00 A.M.		10-11-10
4326'		7:00 A.M.		10-12-10
4435'		7:00 A.M.		10-13-10
4540'		7:00 A.M.		10-14-10
4640'		7:00 A.M.		10-15-10
4800'		8:55 P.M.		10-15-10

## MUD RECORD

DEPTH	TYPE & AMOUNTS
Surface	65 sx Gel, 4 sx lime, 20 sx hulls.
2170'	75 sx Gel, 10 sx hulls.
3090'	85 sx Gel, 2 sx lime, 6 sx Soda Ash, 4 sx lignite
—	4 sx Caustic Soda, 2 sx Dris Pac, 24 sx hulls.
3625'	100 sx Gel, 8 sx Soda Ash, 5 sx caustic Soda,
—	5 sx lignite, 2 1/2 sx Dris Pac, 14 sx hulls.
4214'	10 sx Gel.
4482'	3 sx Gel, 1/2 sx lignite, 1 sx caustic Soda.
4520'	35 sx Gel, 3 sx Soda Ash, 2 sx caustic Soda,
—	2 sx Dris Pac, 2 sx lignite, 5 sx hulls.
4800'	15 sx Gel, 1 sx Soda Ash, 1 sx caustic Soda,
—	10 sx hulls.

DRILL  
RIG P  
TOOL  
PHON  
DRILL

SPUD  
SITE I  
Nor  
SURF  
165  
WELL  
PROD

DRILL  
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DRILL  
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91

NO. PU  
1 Sua  
1 Bo

O. 1 INTERVAL 3936' TO 4000' TYPE Anchor 64' TIMES 5-60-60-60  
Good Blow building to 7". SI No Blow Back. 2nd Good Blow  
Building to B.O.B in 8 minutes. SI, No blow back.  
940' MUD CUT WATER.

46-127 SIF/SFF 136-438 ISI/FSI 1184-1154 IH/FH 1899-1844 Temp: 117°F

O. 2 INTERVAL 4130' TO 4190' TYPE Anchor 60' TIMES 5-60-60-60  
Build to 9 1/2" blow. SI, No blow back. 2nd - B.O.B in 7 min.  
No Blow Back.  
140' WATER CUT MUD (50% WATER), 186' MUD CUT WATER (80% WATER),  
744' WATER (100% WATER).

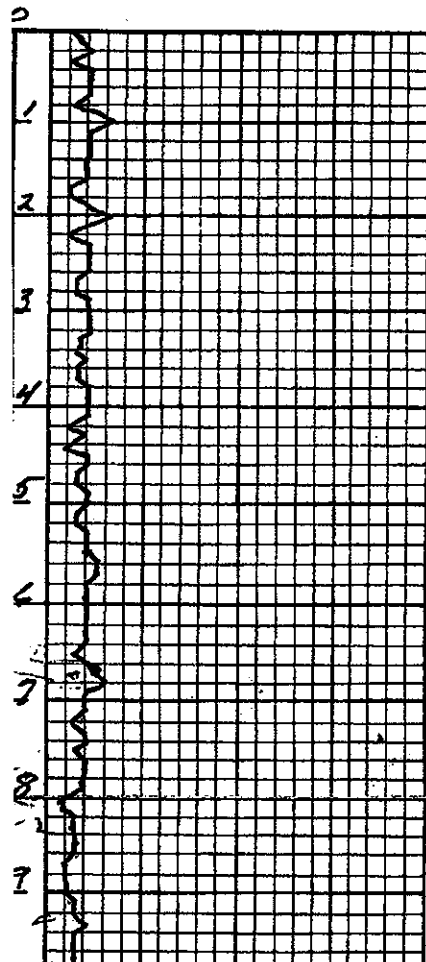
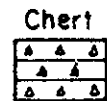
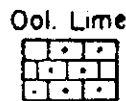
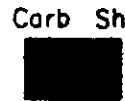
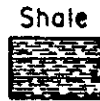
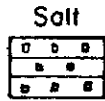
57-158 SIF/SFF 181-499 ISI/FSI 1236-1119 IH/FH 2009-1957 Temp: 119°F

O. 3 INTERVAL 4288 TO 4395 TYPE Anchor 107' TIMES 5-60-15-30  
1/4" at open died back to weak surface blow. SI, No return.  
Surface blow - died in 3 minutes. SI - No return.  
3' MUD.

22-23 SIF/SFF 25-26 ISI/FSI 789-532 IH/FH 2114-2057 Temp: 113°F

O. 4 INTERVAL 4430' TO 4482 TYPE Anchor 32' TIMES 5-60-15-30  
weak blow died in 4 minutes. SI, No return. 2nd No Blow.

# LEGEND



50

some in upper part of  
 section Gray to Tan ls + fossil  
 Tan - Gray ls + fossils. ls.

Same as above

Same as few pieces  
 pinkish to tan dolomite

Tan ls + fossil

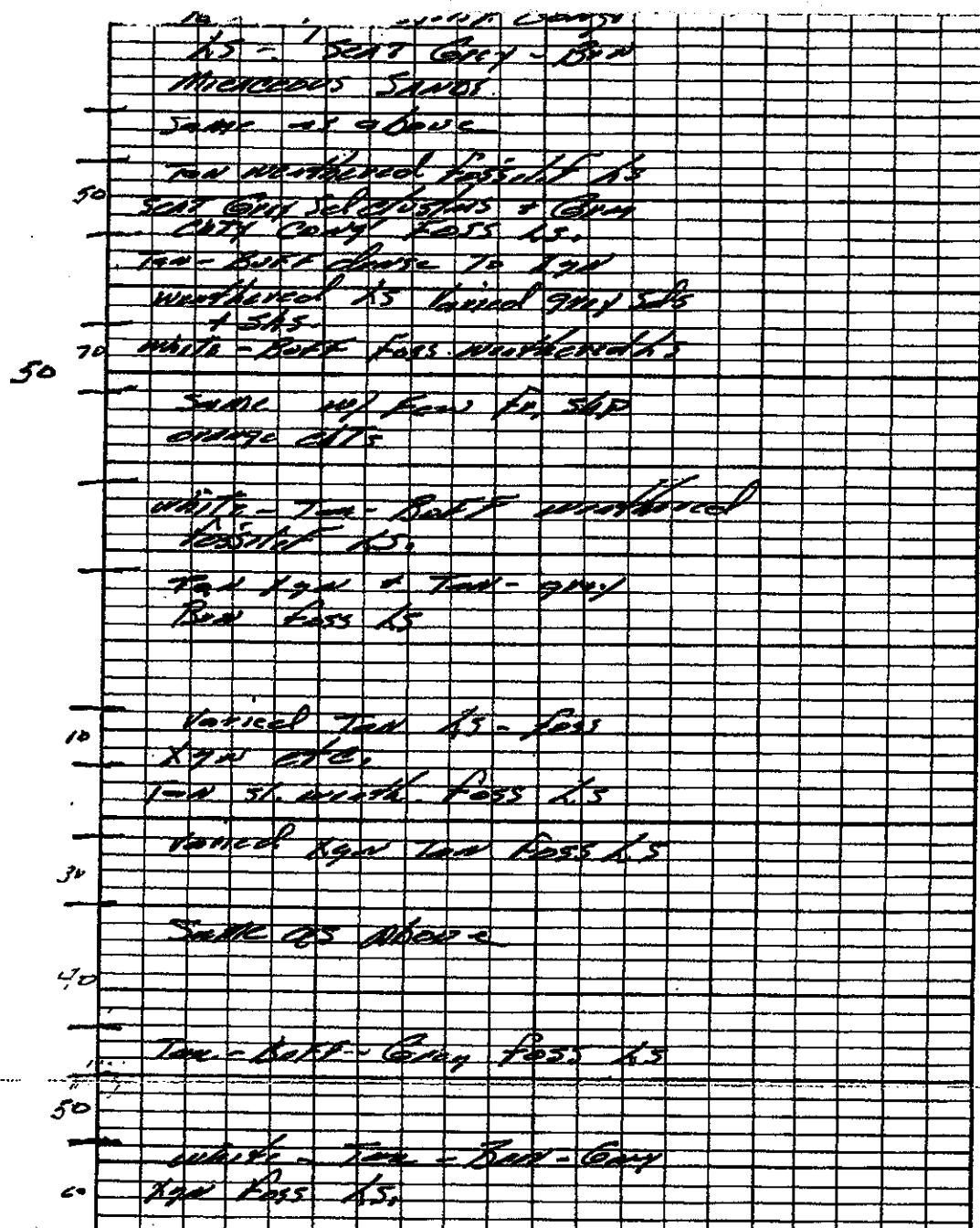
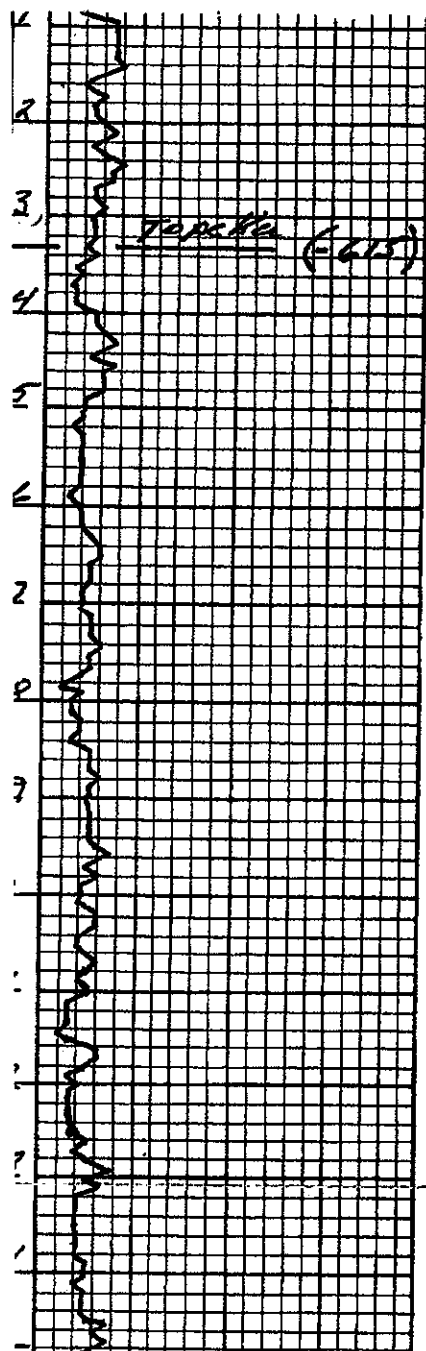
Tan + gray ls + fossil ls

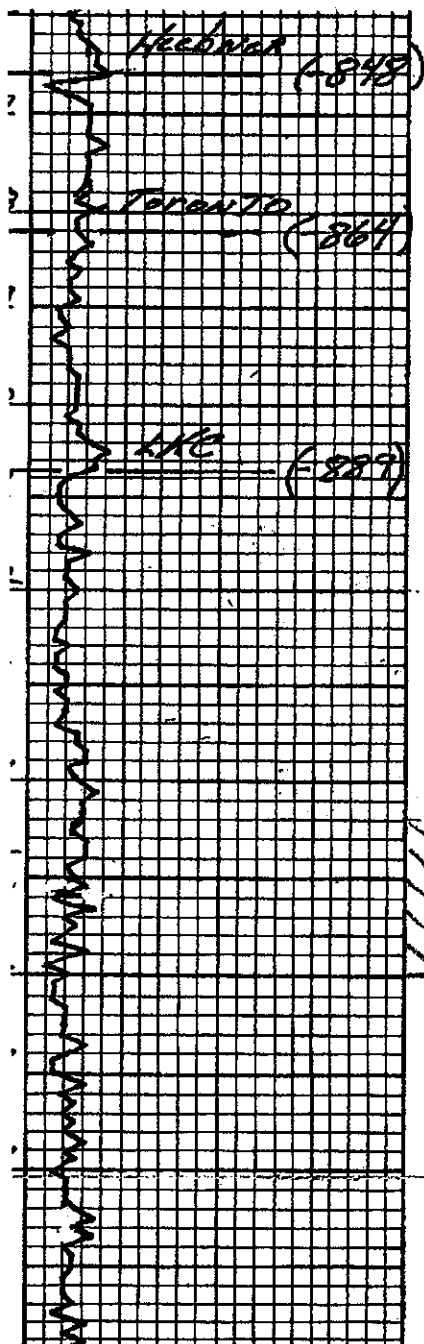
Tan ls + fossil ls

Tan ls + ls

Tan + Gray ls + fossil ls

Same as above





Tan - Belt 1947 1/2 weathered  
 seat tank 1947 1/2  
 varied Tan - white 1947 - dense  
 + Pass City 1/2  
 Tan St. City Double Pass 1/2  
 white 1947 1/2

white + Tan 1947 1/2

white + Tan 1947 1/2  
 seat possible 1/2 - somewhat loose  
 same as above

white 1947 + white fossilif  
 1/2

white + Tan 1947 1/2  
 few Tan City Pass 1/2

From top of pieces white 1947  
 weathered 1947 1/2 w/ FSD  
 Et. quartz

tan weather white to Tan 1947  
 1947 1/2 - City 1947 1/2  
 w/ FSD in 1/2

white dense to 1947 1/2  
 few white City 1/2

white + seat Tan 1947  
 Pass 1/2

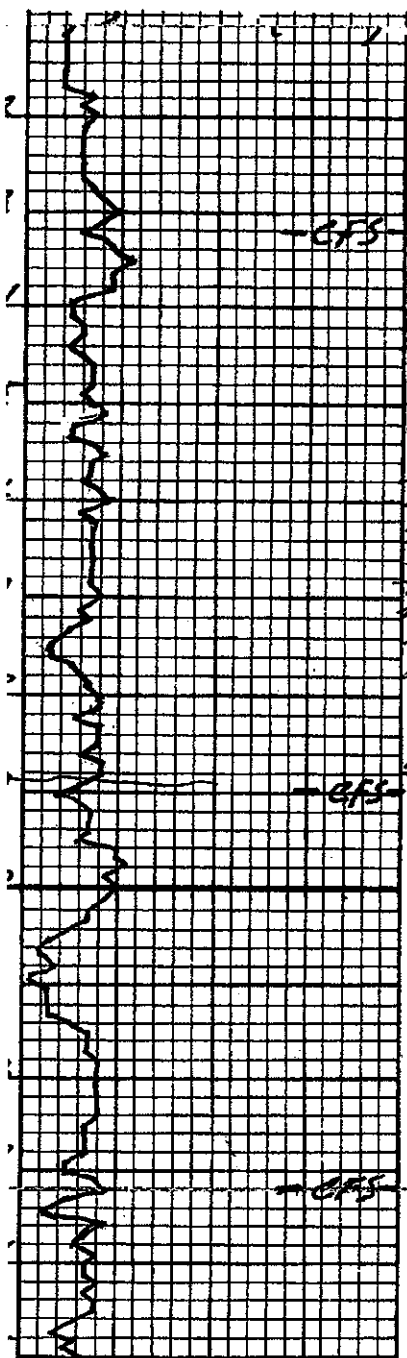
1 piece white 1947  
 Pass - FSD - oil in print  
 + oil in St. 1947  
 no rock

same white 1947 1/2 & intermed

50

0 57 1/2 / 3982' 4000'  
 1947 1/2





White xgn base - sh. 50% ls

White - Tan st. Grey xgn ls  
 Seal Pass ls  
 Tan st. grey ch's 1 piece 55' oil  
 Tan xgn ls - Few to 100' ch's

Vertical Tan - buff - st. grey  
 Grey xgn + Pass ls.

Tan buff st. xgn ls Fair number  
 same way to regular FESFO  
 N. FT. OOR

Fair number Tan buff vuggy ls  
 FESFO N. FT. OOR

Fair to abundant white + seal  
 Grey buff weathered vuggy to  
 vuggy ls w/ to get st. ft.  
 SFO OOR

Few seal white buff st. vuggy  
 ls - FESFO - num flat oil drop  
 no OOR blk sh's few ems

White - Tan xgn ls  
 Pass ls  
 Tan buff + Tan xgn ls  
 1 piece TR. FO

Buff xgn ls - Few pieces  
 grey buff ls  
 1 piece st. vuggy w/ show  
 blk hvy Free oil

Buff xgn ls - 1 piece of  
 grey buff ls w/ show Free oil

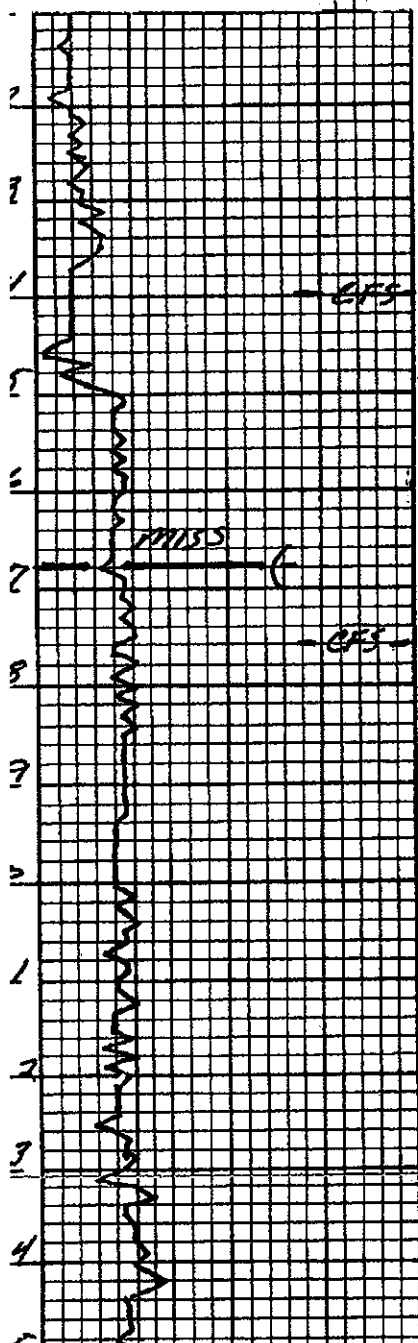
Buff to xgn ls - 1 piece white to  
 xgn ls w/ F.S. blk dead + hvy oil.

cont. Black sh's + Tan xgn ls.

Tan xgn ls + seal Pass ls.

Tan - Grey fossilif. ls.

DIST. IN 4130-4190



BIK - Grey shs. - BLUE xgn & Foss ls.  
 piece xgn in med. bedded sh.  
 BIK - Grey shales - Few BUFF - Tan  
 xgn - Foss ls.  
 Couple clear med. rounded grained  
 sd clusters - fairly loose.  
 Grey shs - Few tan ls. - Few med.  
 clear rd grnd sd clusters  
 dk grey shs - scat fm white  
 sd clusters - Few lg dk BIK clusters.  
 white fm grnd & med grnd  
 white sd stone - fairly hd & fine.  
 white fm grnd sd - Few med grnd sd  
 BIK - Grey shs - white sd clusters  
 Few cherty tan Foss ls. - Tan ls.  
 white fm sd - scat med grnd ch. white  
 Few tan Foss ls. - Calcite xgn sd  
 white fm sd scat lt. tan - yellow sd.  
 1 piece very hd Foss - same later Foss of  
 white sd - some lt. tan - yellowish  
 sd - scat white - tan xgn ls. - BIK shs.  
 white - lt. grey fm grnd sds -  
 BIK shs - scat tan cherty xgn Foss ls.  
 Tan xgn & scat xgn Foss ls.  
 scat white sd.  
 tan xgn and tan varmed Foss ls.  
 Few white fm grnd sd clusters  
 BLUE xgn - cherty scat Foss ls.  
 BIK shs.  
 Fair # pieces iron pyrite -  
 scat ch. rd & Few orange loose sd grms  
 BLUE xgn & scat Foss ls.



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

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January 06, 2011

LEROY HOLT  
Russell Oil, Inc.  
PO BOX 8050  
EDMOND, OK 73083

Re: ACO1  
API 15-109-20942-00-00  
McDaniel N Unit 1  
S/2 Sec.28-15S-34W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
LEROY HOLT