

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 3293
Name: Russell Oil, Inc.
Address: PO Box 1469
City/State/Zip: Plainfield, IL 60544
Purchaser: NCRA
Operator Contact Person: LeRoy Holt II
Phone: (815) 609-7000
Contractor: Name: Shields Oil Producers, Inc.
License: 5184
Wellsite Geologist: Todd Morgenstern

KANSAS CORPORATION COMMISSION

SEP 20 2004

RECEIVED

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

5-27-2004 6-3-2004 6-28-2004
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 065-229840000
County: Graham
~~NE NW NW SW~~
Sec. 17 Twp. 8 S. R. 22 East West
2540 feet from (S) / N (circle one) Line of Section
460 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Quint E Well #: 1-17
Field Name: Unisol

Producing Formation: Lansing-Kansas City
Elevation: Ground: 2113' Kelly Bushing: 2118'
Total Depth: 3650' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 218 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1773' Feet
If Alternate II completion, cement circulated from 1773'
feet depth to surface w/ 225 sx cmt.

Drilling Fluid Management Plan *ALT II w/ Hm*
(Data must be collected from the Reserve Pit) *L-24-07*
Chloride content 1050 ppm Fluid volume 505 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.: _____

KCC
SEP 17 2004
CONFIDENTIAL

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.

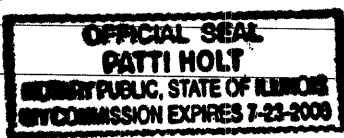
Signature: Uwan LeRoy Holt II

Title: President Date: 9-17-2004

Subscribed and sworn to before me this 17 day of September

Notary Public: Patti Holt

Date Commission Expires: 7-23-2008



KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Russell Oil, Inc. Lease Name: Quint E Well #: 1-17
 Sec. 17 Twp. 8 S. R. 22 East West County: Graham

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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See Attached Drilling report
 for complete tops/datums

List All E. Logs Run:

Dual Comp. Porosity; Dual Induction,
 Microresistivity, Sonic Cement Bond

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SEP 17 2004
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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#	218'	60/40 poz	225	3% cc, 2% gel
Production	7 7/8"	5 1/2"	15.5#	3648'	AA-2	85	

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
4	3542'-3545'	250 gal. 15% mud acid; 300 gal. 28% NE;	
		1500 gal. 28% NE	

KANSAS CORPORATION COMMISSION
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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8" EUE	3615'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
7-6-2004			<input type="checkbox"/> Flowing <input checked="" 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
	35	0	0		38

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

REPORT COPY

GEOLOGICAL REPORT



KCC
SEP 17 2004
CONFIDENTIAL

KANSAS CORPORATION COMMISSION

SEP 20 2004

RECEIVED

RUSSELL OIL, INC.

No. 1 Quint "E"
2540' FSL & 460' FWL
Section 17-8S-22W
Graham County, Kansas

Todd E. Morgenstern
Petroleum Geologist
Sunflower Bank Building
P.O. Box 251
Ellinwood, Kansas 67526

OPERATOR: Russell Oil, Inc.

WELL: No. 1 Quint "E"
API # 15-065-22,984-00-00

LOCATION: 2540' from the South Line
460' from the East Line
Section 17-8S-22W
Graham County, Kansas

FIELD: Unisol

CONTRACTOR: Shields Drilling Inc.

DRILLING COMMENCED: 05-27-2004

DRILLING COMPLETED: 06-03-2004

DRILLING TIME: One (1) foot drilling time was recorded
from 3000' to 3650' RTD.

SAMPLES: Samples were saved and examined from 3000'
to 3650' RTD.

ELEVATIONS: 2113' Ground Level 2118' Kelly Bushing

MEASUREMENTS: All depths are measured from **2118' K.B.**

CASING RECORD: 8 5/8" Surface Casing set @ 218' with 225 sxs. 60/40 poz
5 1/2" Production Casing @ 3648' with 110 sxs.
Port Collar @ 1773'

FORMATION TESTING: One (1) test was run by Trilobite Testing Inc.
Jason McLemore, Tester

MUD: Mud-Co. (Chemical Mud)

OPEN HOLE LOGS: Log-Tech Inc. (CNL/CDL, DIL, MEL & Sonic)

PRODUCTION: Oil

FORMATION TOPS:

FORMATION	SAMPLE	LOG	DATUM
ANHYDRITE	1746'	1748'	+ 370'
BASE ANHYDRITE	1780'	1779'	+ 339'
TOPEKA	3122'	3121'	-1003'
HEEBNER SHALE	3338'	3337'	-1219'
TORONTO	3360'	3360'	-1242'
LANSING	3377'	3376'	-1258'
STARK SHALE	3551'	3552'	-1434'
BASE KANSAS CITY	3582'	3582'	-1464'
ROTARY TOTAL DEPTH	3650'	*****	-1532'
LOG TOTAL DEPTH	*****	3651'	-1533'

SAMPLE DESCRIPTIONS AND TEST DATA:

TOPEKA:

3286-3295 Limestone, buff and cream, finely crystalline, fossiliferous, with fair to good visible interparticle porosity, slightly chalky, no shows of oil were noted.

TORONTO:

3360-3370 Limestone, gray and tan, finely crystalline, dense, slightly fossiliferous, chalky in part, with rare fair to good visible interparticle porosity, no shows of oil were noted.

LANSING:

3376-3382 Limestone, white, cream and buff, fine to medium crystalline, slightly oolitic and fossiliferous, chalky in part, poor visible porosity, no shows of oil were noted.

3410-3416 Limestone, cream and tan, finely crystalline, slightly oolitic, fossiliferous in part, with scattered spotted staining, dark appearing dead oil, no show of free oil, no odor.

3426-3430 Limestone, tan and buff, oolitic and fossiliferous, poor visible interfossiliferous and interoolitic porosity, slightly chalky, no shows of oil, no odor.

3444-3449 Limestone, white and tan, oolitic, with poor to fair visible interparticle porosity, slightly chalky, fair spotted staining, very slight show of free oil on break, no odor.

3454-3462 Limestone, white and cream, finely crystalline, slightly oolitic, very chalky, with poor visible porosity, no shows of oil were noted.

- 3508-3512 Limestone, white and tan, very finely crystalline, slightly fossiliferous and oolitic, with poor visible interoolitic porosity, slight pinpoint porosity, poor to fair spotted staining, very slight show of oil on break, no odor. (Covered by D.S.T. No. 1)
- 3530-3538 Limestone, white and gray, mostly dense, finely crystalline, chalky, with poorly developed interoolitic porosity, dead staining, no show of free oil, no odor, (Covered by D.S.T. No. 1)
- 3542-3548 Limestone, white and tan, oolitic and slightly fossiliferous, fair visible interoolitic and slight pinpoint porosity, fair staining, light brown saturation, slight show of free oil, light odor. (Covered by D.S.T. No. 1)

FORMATION TEST NO. 1

Lansing-K.C (H, I, & J)
 Tested from 3492'-3549'

<i>Weak building to 5 1/2" blow</i>	60 min.	I.H.P.	1751#
<i>No blow-back</i>	60 min.	I.F.P.	16# -49#
<i>Weak building to 4" blow</i>	60 min.	<u>I.S.I.P.</u>	<u>1002#</u>
<i>No blow-back</i>	90 min.	F.F.P.	57# -75#
		F.S.I.P.	<u>1010#</u>
		F.H.P.	1716#

(SEE PRESSURE CHARTS AT END OF REPORT)

RECOVERY: 150' Gas
 20' Oil (40* Gravity)
115' Heavy Mud Cut Oil
 135' Total Liquid Recovery

TEMPERATURE: 107*

CHLORIDES: N/A ppm (Recovery) 1,000 ppm (System)

- 3560-3568 Limestone, white, very finely crystalline, chalky, slightly fossiliferous, with fair visible interparticle porosity, show of dead appearing staining, some pyrite, no show of free oil, no odor.
- 3574-3581 Limestone, gray, white and tan, dense, finely crystalline, fossiliferous in part, no shows of oil were noted.

DRILLING RECORD:

Date Daily Drilling Record

05/27/04 Moved in and rigged up. Spud well. Drilled to 221'.
05/28/04 Ran and cement surface casing. Wait on cement to set. Drilling ahead @ 11:00 p.m.
05/29/04 Drilling @ 593'.
05/30/04 Drilling @ 1876'.
05/31/04 Drilling @ 2753'.
06/01/04 Drilling @ 3330'.
06/02/04 Depth @ 3549'. Ran D.S.T. No. 1.
06/03/04 Depth @3650'. Ran open hole logs. Preparing to run 5 ½" production casing.

STRUCTURAL COMPARISON:

	Russell Oil No. 1 Quint "E" 2540' FSL & 460' FWL Sec. 17-8S-22W OIL	Russell Oil No. 1 Quint 'G' 2140' FSL & 330' FEL Sec. 18-8S-22W OIL	Rains & Williamson Rice Trust A-1 SW SW NE Sec. 18-8S-22W D&A
ANHYDRITE	+ 370'	+371'	+ 373'
BASE ANHYDRITE	+ 339'	+339'	+ 341'
TOPEKA	-1003'	-1002'	-1003'
HEEBNER SHALE	-1219'	-1217'	-1217'
TORONTO	-1242'	-1241'	-1241'
LANSING	-1258'	-1259'	-1261'
STARK	-1434'	-1435'	-1441'
BASE KANSAS CITY	-1464'	-1464'	-1469'

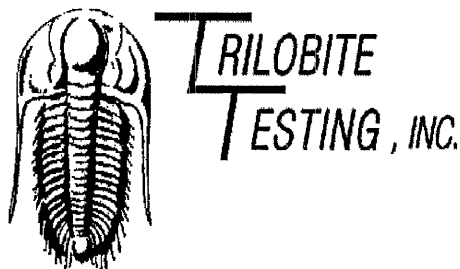
SUMMARY:

The No. 1 Quint 'E' was under geological supervision from 3050' to 3650' RTD. With the positive results of DST No. 1 and after reviewing the open hole logs, it was decided to run 5 ½" production casing and complete this well through perforations.

Recommended Perforations
3542-3545

Respectfully submitted,

Todd E. Morgenstern



DRILL STEM TEST REPORT

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

PO Box 1469
Plainfield ILL. 60544

ATTN: Todd Morgenstern

17-8-22-Graham

Quint "E" #1-17

Start Date: 2004.06.02 @ 11:06:28

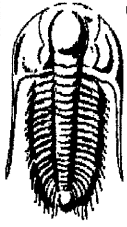
End Date: 2004.06.02 @ 18:56:58

Job Ticket #: 19488 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil, Inc.

PO Box 1469
Plainfield ILL. 60544

ATTN: Todd Morgenstern

Quint "E" #1-17

17-8-22-Graham

Job Ticket: 19488

DST#: 1

Test Start: 2004.06.02 @ 11:06:28

GENERAL INFORMATION:

Formation: "H-I-J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:52:18

Time Test Ended: 18:56:58

Interval: 3492.00 ft (KB) To 3549.00 ft (KB) (TVD)

Total Depth: 3549.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 24

Reference Elevations: 2110.00 ft (KB)

2105.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 74.96 psig @ 3497.00 ft (KB)

Start Date: 2004.06.02 End Date: 2004.06.02

Start Time: 11:06:58 End Time: 18:56:58

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.06.02 @ 12:52:08

Time Off Btm: 2004.06.02 @ 17:24:58

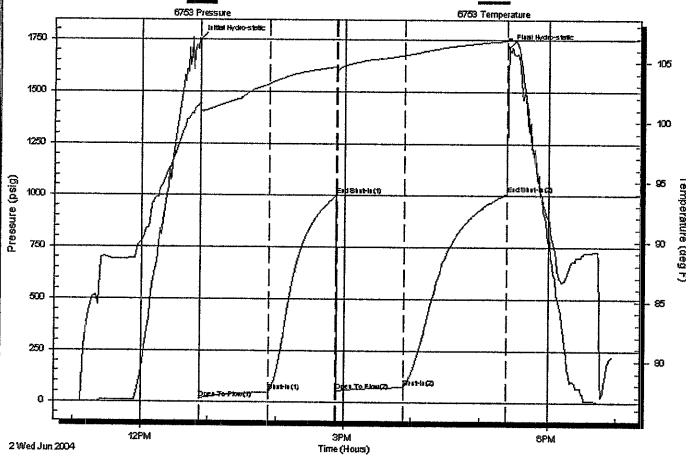
TEST COMMENT: IFP-Weak Blow, Slowly Built to 5-1/2"

IS- No Blow back

FFP-Weak Blow, Built to 4"

FSI-No Blow back

Pressure vs. Time



PRESSURE SUMMARY

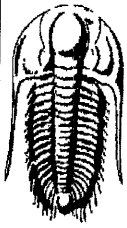
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.63	101.53	Initial Hydro-static
1	16.01	100.94	Open To Flow (1)
62	49.39	103.23	Shut-In(1)
121	1001.98	104.64	End Shut-In(1)
122	57.88	104.40	Open To Flow(2)
181	74.96	105.60	Shut-In(2)
272	1010.23	106.84	End Shut-In(2)
273	1716.35	107.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Free Oil	0.10
115.00	HOCW Tr Wtr--50%O-50%M	0.57

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil, Inc.

Quint "E" #1-17

PO Box 1469
Plainfield ILL. 60544

17-8-22-Graham

Job Ticket: 19488

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2004.06.02 @ 11:06:28

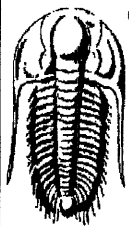
Tool Information

Drill Pipe:	Length: 3203.00 ft	Diameter: 3.80 inches	Volume: 44.93 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 284.00 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 46.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3492.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	78.00 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			3472.00	
Shut In Tool	5.00			3477.00	
Hydraulic tool	5.00			3482.00	
Packer	5.00			3487.00	21.00 Bottom Of Top Packer
Packer	5.00			3492.00	
Stubb	1.00			3493.00	
Perforations	4.00			3497.00	
Recorder	0.00	6753	Inside	3497.00	
Blank Spacing	31.00			3528.00	
Perforations	18.00			3546.00	
Recorder	0.00	13252	Outside	3546.00	
Bullnose	3.00			3549.00	57.00 Bottom Packers & Anchor
Total Tool Length:	78.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

Quint "E" #1-17

PO Box 1469
Plainfield ILL. 60544

17-8-22-Graham

Job Ticket: 19488

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2004.06.02 @ 11:06:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Free Oil	0.098
115.00	HOCM Tr Wtr--50%O-50%M	0.566

Total Length: 135.00 ft

Total Volume: 0.664 bbl

Num Fluid Samples: 0

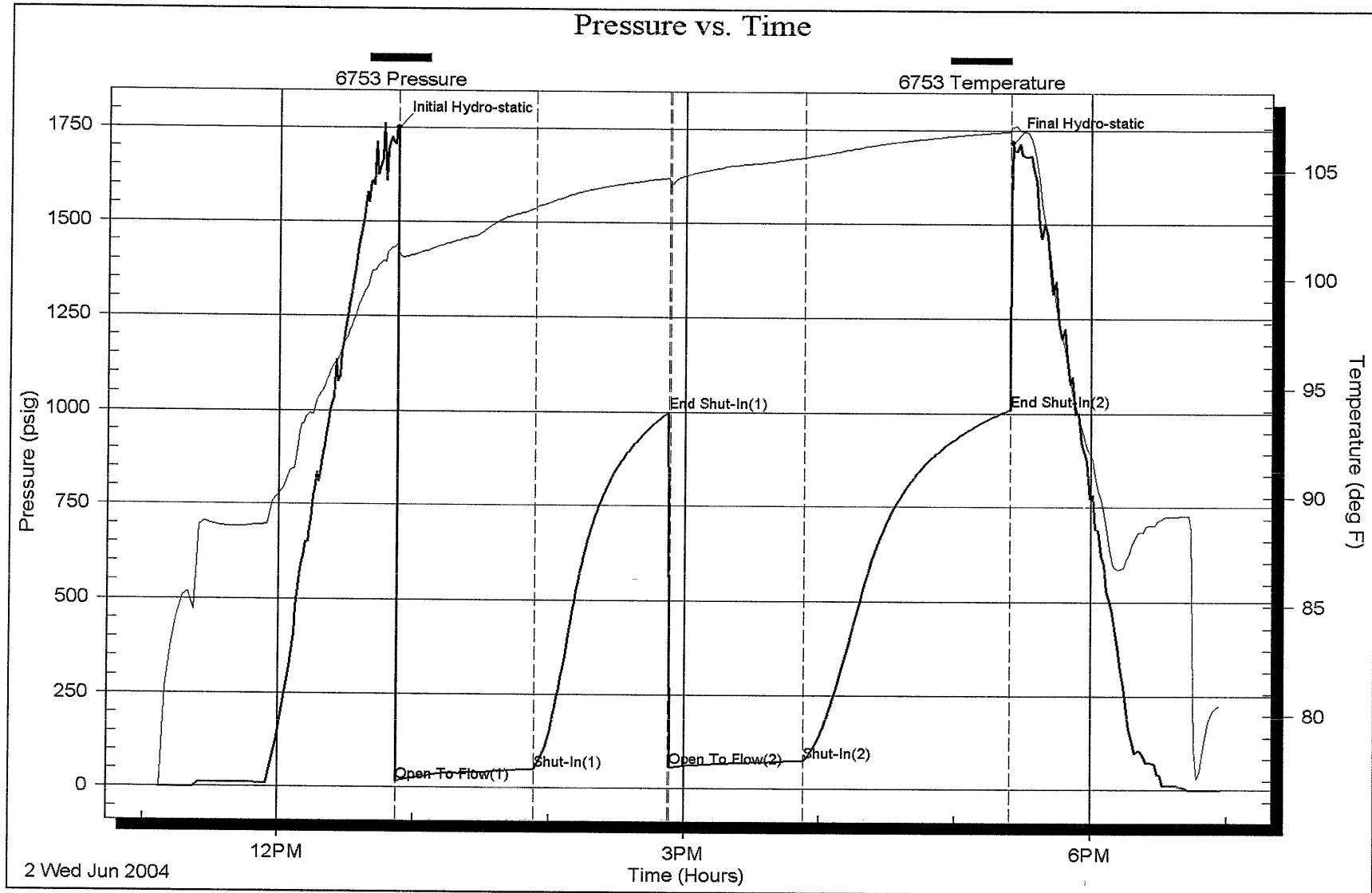
Num Gas Bombs: 0

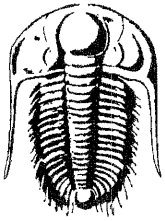
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19488

05/03

Test Ticket

Well Name & No. Quint "E" #1-17 Test No. 1 Date 6-2-01
 Company Russell Oil, Inc Zone Tested "H-I-J"
 Address PO. Box 1469, Plainfield, Ill, 60544 Elevation 2100 KB 2105 GL
 Co. Rep / Geo. Todd Morgenstern Cont. Shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 8 Rge. 22 Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3492 - 3549 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. _____
 Anchor Length 57' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3487 Tool Weight 3000
 Bottom Packer Depth 3492 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3549 Wt. Pipe Run 284 Drill Collar Run 0
 Mud Wt. 9.3 LCM 0 Vis. 45 WL 9.6 Drill Pipe Size 4 1/2 X 14 Ft. Run 3203
 Blow Description IFP - Weak Blow, Building Slw to 5 1/2"
ISI - No Blowback
FFP - Weak Blow, Built to 4"
FSI - No Blowback

Recovery - Total Feet _____ GIP 150 Ft. in DC _____ Ft. in DP _____
 Rec. 20 Feet of Free Oil %gas _____ %oil _____ %water _____ %mud _____
 Rec. 115' Feet of HOCM / Tr Water %gas 50 %oil _____ %water 50 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 100° °F Gravity 40 °API D @ 80 °F Corrected Gravity 38 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,100 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1751</u>	PSI	<u>6753</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>3497</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>49</u>	PSI	Recorder No. <u>13252</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1002</u>	PSI	(depth) <u>3546</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>57</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>75</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1010</u>	PSI	Initial Opening <u>60</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1716</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____
 Our Representative Jason Mc Jamore *hank you*

Final Flow	<u>60</u>	Shale Packer _____
Final Shut-In	<u>90</u>	Mileage <u>66</u>
T-On Location	<u>8:12</u>	Sub Total: _____
T-Started	<u>11:06</u>	Std. By _____
T-Open	<u>12:53</u>	Other _____
T-Pulled	<u>17:23</u>	Total: _____
T-Out	<u>19:00</u>	



TREATMENT REPORT

Customer ID	Date
Customer RUSSELL OPL	6-25-04

Lease QUINCY 'E'	Lease No.	Well # 1-17	State KS.
-------------------------	-----------	--------------------	------------------

Field Order # 8596	Station Pratt, KS	Casing 5 1/2	Depth	County GRAHAM	Legal Description 17-8-22
Type Job PORT COLLAR - NW		Formation PORT COLLAR - 1773'			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 3/8	Shots/Ft		Acid 175 SK A-COV	RATE	PRESS	ISIP	
Depth	Depth	From	To	Post-Pad 3% CC	Max		5 Min.	
Volume	Volume	From	To	Prod 1/4" #1 SK CELL PASTE	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	Flush	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative LEPOY	Station Manager WATSON	Treater K. COOKLEY
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Service Units	107	80	57	46	75				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200					ON LOCATION
					FIND PORT COLLAR - 1773'
1330	1500				PSD TEST - 1500# HELD
					OPEN PORT COLLAR
		300	1	3	INT. RATE - 3 BPM - 300#
		300	5	3	B.H. @ DRC. MUD
		300	0	3 1/2	MIX CEMENT
		500	78	3 1/2	B.H. @ DRC. CEMENT
					175 SK A-COV 3% CC, 1/4" #1 CELL PASTE
		700	6	3 1/2	PUMP 6 bbl H₂O
					STOP - CLOSE P.C.
		1000			PSD TEST - 1000# - HELD
					RUN 5 JTS TBC
1430	300		20	2	REVERSE OUT - 2 FLUAGS
1500					JOB COMPLETE
					THANKS - WATSON

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TREATMENT REPORT

Customer ID	Date
Customer Russell Oil Inc.	6-4-04
Lease Quint	Lease No.
Field Order # 3648	Well # E1-17
Station Pratt	County Graham
Casing 5 1/2" ISG#	Depth 3648'
Type Job Cement-New Well	State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2" ISG#	Tubing Size Plug Becht	Shots/Ft Port Collar at 1773'	From	To	Acid 85 shots AA-2	RATE	PRESS	ISIP
Depth 3648'	Depth Plug Becht	From	1.44 cu. ft. / sk.	To	Br. Pad .3% Friction Reducer	Max		5 Min.
Volume	Volume T.D. = 3628'	From	15.00 # / gal.	To	Pad .8% FLA-322, 10% Salt,	Min		10 Min.
Max Press	Max Press 86.35 bbl.	From		To	Frac .25% Cell Flate, 5# / sk.	Avg		15 Min.
Well Connection	Annulus Vol.	From		To	Gilsonite	HHP Used		Annulus Pressure
Plug Depth 3628'	Packer Depth	From		To	Flush 20 bbl. 2% HCL, 500 gal. M	Soshts Stravanger		Total Load
Customer Representative Burt Beery	Station Manager Dave Autry	Treater Clarence R. Messick						

Service Units	118	57	80	81	72				
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Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:15					Trucks on Location and hold Safety Meeting
					Comp. Float Equipment
10:54					Casing on bottom and Break Circulation with rig
12:12	200			6	Hook up to pump truck and Pump Pre-Flushes
12:23	200		37	5	Start to mix Cement
12:28			70		Wash pump and lines
12:30	200			7	Start Displacement
12:45	1700#		156		Plug landed
					Release P.S.I. and it held
12:50					Wash up pump truck; plug m.H. & R. H
1:05					Job Complete
					Thanks
					Clarence



TREATMENT REPORT

Customer ID				Date			
Customer <i>Russell Oil</i>				5-28-04			
Lease <i>Quint</i>				Lease No.		Well # <i>E1-17</i>	
Field Order # <i>8489</i>	Station <i>Pratt</i>	Casing <i>8 5/8</i>	Depth <i>219</i>	County <i>Graham</i>		State <i>Ks.</i>	
Type Job <i>4 5/8 S.P. New Well</i>				Formation		Legal Description <i>17-85-22W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft	<i>Cont.</i>	Acid <i>225 sk 60/40 Per</i>	RATE	PRESS	ISIP
Depth <i>221</i>	Depth	From	To	Pre Pad <i>14.7 #/gal 1.25 ft³</i>	Max		5 Min.
Volume <i>14.1</i>	Volume	From	To	Pad <i>2966 gal 396 L.C.</i>	Min		10 Min.
Max Press <i>300</i>	Max Press	From	To	Frac <i>1/4" Cellulose</i>	Avg		15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	Flush	HHP Used		Annulus Pressure
Plug Depth <i>201</i>	Packer Depth	From	To		Gas Volume		Total Load

Customer Representative <i>Burt Berry</i>	Station Manager <i>Dave Autry</i>	Treater <i>Bobby Drake</i>
Service Units <i>119</i>	<i>26</i>	<i>81</i>
<i>72</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					On Location - Safety Meeting
9:43					Run Csg.
10:10					Csg. On Bottom
10:15					Hook up to Csg. - Break Cir. w/ Rig
10:32	100		10	4.0	H ₂ O Ahead
10:39	100		53	4.0	Mix Cont. @ 14.7 #/gal
10:49					Release Plug
10:55	100			4.0	Start Disp.
11:00	100		13		Plug Down
					Circulation Thru Job
					Circulated Cont. To Pit
					Job Complete
					<i>Thanks, Bobby</i>