

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

RELEASED

API NO. 15- 185-23023

County Stafford

S $\frac{1}{2}$  - SW - NW - SW Sec. 30 Twp. 21s Rge. 11 X <sup>E</sup> <sub>W</sub>

Operator: License # 3293

1485 Feet from (S)W (circle one) Line of Section

Name: Russell Oil, Inc. 1111 31 1997

330 Feet from (E)W (circle one) Line of Section

Address P.O. Box 272

FROM CONFIDENTIAL

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

City/State/Zip Russell, KS. 67665

Lease Name Duggan Well # 1

Purchaser: N/A

Field Name Sandhills

Operator Contact Person: LeRoy Holt II

Producing Formation N/A

Phone (913) 483-3954

Elevation: Ground 1792' KD 1797'

Contractor: Name: Shields Oil Producers Inc

Total Depth 3657' PBDT \_\_\_\_\_

License: 5184

Amount of Surface Pipe Set and Cemented at 555 Feet

Wellsite Geologist: Todd Morgenstern

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

Designate Type of Completion  
X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

If yes, show depth set \_\_\_\_\_ Feet

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ S10W \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
X Dry \_\_\_\_\_ Other (Core, WSU, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from \_\_\_\_\_

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

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan Oil 6-14-96  
(Data must be collected from the Reserve Pit) Lu

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

Chloride content 84K ppm Fluid volume 320 bbls

Well Name: 4-30-96

Dewatering method used hauling nu

Comp. Date \_\_\_\_\_ Old Total Depth APR 30 1996

Location of fluid disposal if hauled offsite: APR 29

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PBDT  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator Name Bob's Oil Service CONFIDENTIAL

4-08-96 4-15-96

Lease Name Teichman License No. 30610

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

Quarter Sec. 16 Twp. 22 S-Rng. 12 (E)W

County Stafford Docket No. D-23,722

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Wanda Berg

Title Vice-President Date 4-29-96

Subscribed and sworn to before me this 29 day of April, 19 96.

Notary Public Carolyn Gnad

Date Commission Expires 10-22-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____	_____	_____ NGPA
_____	_____	_____ Other
(Specify)		

CAROLYN GNAD  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT EXPIRES 10-22-97

SIDE TWO

ATTACHED

Operator Name Russell Oil, Inc.

Lease Name Duggan

Well # 1

Sec. 30 Twp. 21 Rge. 11  East  West

County Stafford

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.)

List All E.Logs Run: Radiation Guard

Name	Top	Datum
Anhydrite	543'	+1254
Heebner	3045'	-1248
Toronto	3064'	-1267
Bn. Lime	3175'	-1378
Lansing	3192'	-1395
BKC	3437'	-1640
Viola	3538'	-1741
Simpson Sh.	3574'	-1777
Simpson Sd.	3598'	-1801
ERO. Arbuckle	3628'	-1831
LTD	3657'	-1860

CASING RECORD <input type="checkbox"/> New <input checked="" 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#	555	60/40 poz	325	2% gel 3% C.C.

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

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SUD or Inj.]	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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 6760

## CONFIDENTIAL

## Test Ticket

# ORIGINAL

15-185-23023 N<sup>o</sup> 8953

Well Name & No. Duggan #1 Test No. 1 Date 4-13-96  
 Company Russell Oil Inc. Zone Tested LANS.  
 Address P.O. Box 272 Russell Ks. 67665 Elevation 1797 KB 1792 GL  
 Co. Rep / Geo. Tom Morgenstern Cont. Shields Drilling Est. Ft. of Pay ? Por. ? %  
 Location: Sec. 30 Twp. 21<sup>s</sup> Rge. 11 W Co. STAFFORD State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3200 - 3277 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length 77' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000  
 Top Packer Depth 3195' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Bottom Packer Depth 3200' Wt. Pipe I.D. — 2.7 Ft. Run 820'  
 Total Depth 3277' Drill Collar — 2.25 Ft. Run None  
 Mud Wt. 8.9 LCM - Vis. 45 WL 84 cc. Drill Pipe Size 4 1/2" Fth. Ft. Run 2783  
 Blow Description IF: Wash below, (1/4-1/2") decreasing -  
FF: No below.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>20</u>	<u>-</u>	<u>20</u>	<u>-</u>				
Rec. <u>20</u> Feet Of <u>Mud @ oil spec.</u>							
Rec. <u>31</u> Feet Of <u>APR 30 1996</u>							
Rec. <u>31</u> Feet Of <u>APR 30 1996</u>							

FROM CONFIDENTIAL

BHT 104 °F Gravity CONSERVATION DIVISION °F Corrected Gravity N.A. °API  
 RW N.C. @ °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud 1574 PSI Recorder No. 13788 T-Started 1115  
 (B) First Initial Flow Pressure 39 PSI @ (depth) 3274' T-Open 1228  
 (C) First Final Flow Pressure 39 PSI Recorder No. 10248 T-Pulled 1429  
 (D) Initial Shut-in Pressure 69 PSI @ (depth) 3268' T-Out 1605  
 (E) Second Initial Flow Pressure 41 PSI Recorder No. -  
 (F) Second Final Flow Pressure 41 PSI @ (depth) -  
 (G) Final Shut-in Pressure 57 PSI Initial Opening 30 Test  600<sup>00</sup>  
 (H) Final Hydrostatic Mud 1547 PSI Initial Shut-in 30 Jars \_\_\_\_\_  
 Final Flow 30 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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 Judd E. Morgenstern  
 Our Representative Craig P. ...

APR 29  
 CONFIDENTIAL

Extra Packer \_\_\_\_\_  
 Elect. Rec. \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 600<sup>00</sup>

# ALLIED CEMENTING CO., INC.

1788

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

ORIGINAL

SERVICE POINT:

Sheet Bend  
4-9-96

DATE: <u>4-9-96</u>	SEC: <u>30</u>	TWP: <u>21</u>	RANGE: <u>11</u>	CALLED OUT: <u>10:30 AM</u>	ON LOCATION: <u>12:30 AM</u>	JOB START: <u>4:30 AM</u>	JOB FINISH: <u>5:00 AM</u>
LEASE: <u>Duggan</u>	WELL #: <u>1</u>	LOCATION: <u>She-Jon, 2N, 1E, 4W, E/S</u>			COUNTY: <u>Stafford</u>	STATE: <u>Ka</u>	

OLD OR NEW (Circle one)

CONTRACTOR: Shields Dalg OWNER: Same

TYPE OF JOB: Surface CEMENT

HOLE SIZE: 12 1/4" T.D. 557'

CASING SIZE: 8 5/8" wtd DEPTH 555' AMOUNT ORDERED 325 lbs 60/40 390.00

TUBING SIZE: 2 3/8" DEPTH 290' Del

DRILL PIPE DEPTH: 31 1987

PRES. MAX: 195 MINIMUM: 31

MEAS. LINE: 1.30 SHOE JOINT: 1.30

CEMENT LEFT IN CSG: 15' FROM CONFIDENTIAL

NEEDS: Displacement = 34 bbls

**EQUIPMENT**

PUMP TRUCK CEMENTER: Tom D

# 181 HELPER: Don H

BULK TRUCK: 211 DRIVER: Bob B

BULK TRUCK: 211 DRIVER: Bob B

BULK TRUCK: 211 DRIVER: Bob B

BULK TRUCK: 211 DRIVER: Bob B

**REMARKS:**

Ran 555' of wtd 2 3/8" 8 5/8" wtd. Mixed  
325 lbs 60/40 3 1/2. Pumped Aug with  
fresh water.

Cement Did Circulate

CHARGE TO: Russell Oil, Inc.

STREET: P.O. Box 272

CITY: Russell STATE: Ka ZIP: 67665

CONFIDENTIAL

RELEASED

COMMON	195	@	6.10	1189.50
POZ MIX	1.30	@	3.15	409.50
GEL	6	@	9.50	57.00
CHLORIDE	10	@	28.00	280.00

HANDLING: 325 @ 1.05 = 341.25

MILEAGE: 22 @ 12.55 = 276.10

APR 29 1996  
CONFIDENTIAL TOTAL \$ 2563.25

**SERVICE**

DEPTH OF JOB: 555'

PUMP TRUCK CHARGE 0-300' 445.00

EXTRA FOOTAGE: 255' @ 4.1 = 104.55

MILEAGE: 22 @ 2.35 = 51.70

PLUG 1-8 5/8" TWP @ 45.00 = 45.00

TOTAL \$ 646.25

**FLOAT EQUIPMENT**

TAX: 0

TOTAL CHARGE: \$ 3209.50

DISCOUNT: \$ 641.90

Net \$ 2567.60

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE: Burton Beery

# ALLIED CEMENTING CO., INC.

1791

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

ORIGINAL

SERVICE POINT:

Sheet Bend

DATE <u>4-15-96</u>	SEC. <u>30</u>	TWP. <u>21</u>	RANGE <u>11</u>	CALLED OUT <u>8:15 AM</u>	ON LOCATION <u>9:30 AM</u>	JOB START <u>10:15 AM</u>	JOB FINISH <u>3:40 PM</u>
LEASE <u>Dusan</u>	WELL # <u>1</u>	LOCATION <u>She &amp; Jo's - 2N, 1E, 1/2N, E/3</u>			COUNTY <u>Stafford</u>	STATE <u>Ks</u>	

OLD OR  NEW (Circle one)

CONTRACTOR Shields Drilling

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8" T.D. 3655'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

DRILL PIPE 4 1/2" DEPTH 3628'

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

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

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

CEMENT LEFT IN CSG. \_\_\_\_\_

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

OWNER Same

CEMENT AMOUNT ORDERED 125 @ 6/40, 6 @ 20

CONFIDENTIAL

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

# 181 HELPER Bud B. RELEASED

BULK TRUCK

# 311 DRIVER Bud B. JUL 31 1996

BULK TRUCK

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

COMMON 75 @ 6.10 = 457.50

POZMIX 50 @ 3.15 = 157.50

GEL 6 @ 9.50 = 57.00

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_ = \_\_\_\_\_

HANDLING 125 @ 1.05 = 131.25

MILEAGE 22 @ 5.00 = 110.00

REMARKS:

Handed Hole; Mixed 40' @ 3628'

50' @ 590'

10' @ 40'

15' on Pot Hole

10' in Momehole

FROM CONFIDENTIAL APR 29

CONFIDENTIAL

SERVICE

DEPTH OF JOB 3628'

PUMP TRUCK CHARGE 550.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_ = \_\_\_\_\_

MILEAGE 22 @ 2.35 = 51.70

PLUG 1-8 5/8 Duplex @ 23.00 = 23.00

TOTAL 913.25

RECEIVED

KANSAS CORPORATION COMMISSION

CHARGE TO: Russell Oil, Inc. APR 30 1996

STREET P.O. Box 272

CITY Russell STATE Ks ZIP 67665

FLOAT EQUIPMENT

TOTAL 624.70

TAX -0-

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL CHARGE \$ 1537.95

DISCOUNT \$ 307.59 IF PAID IN 30 DAYS

Net 1230.36

SIGNATURE Dave Dandy