

ORIGINAL

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

API NO. 15= 141-20293-0000
County Osborne
SW SW SE Sec. 34 Twp. 9 Rge. 12 X W^E

Operator: License # 3293

Name: Russell Oil, Inc.

Address P.O. Box 272

City/State/Zip Russell, KS. 67665

Purchaser: Farmland Industries

Operator Contact Person: LeRoy Holt II

Phone (913) 483-3954

Contractor: Name: Shields Oil Producers Inc

License: 5184

Wellsite Geologist: Francis Whisler

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Com. angled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

3-23-95 3-30-95 5-25-95
Spud Date Date Reached TD Completion Date

330 Feet from (circle one) Line of Section

2310 Feet from (circle one) Line of Section

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

Lease Name Chatham "A" Well # 1

Field Name Cheyenne Gap

Producing Formation Kansas City

Elevation: Ground 1817 KB 1922

Total Depth 3247 PBDT 3205

Amount of Surface Pipe Set and Cemented at 238 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 915' Feet

If Alternate II completion, cement circulated from 915

feet depth to surface w/ 125 sx cnt.

Drilling Fluid Management Plan ALT II 1-3-97 SW
(Data must be collected from the Reserve Pit)

Chloride content 60,000 ppm Fluid volume 350 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

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 LeRoy Holt II

Title Vice-President Date 6-23-95

Subscribed and sworn to before me this 23rd day of June, 1995.

Notary Public Carolyn Gnad

Date Commission Expires _____

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

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
RECEIVED
CORPORATION COMMISSION
JUN 26 1995
CORPORATION COMMISSION

Operator Name Russell Oil, Inc.

Lease Name Chatham "A" Well # 1

Sec. 34 Twp. 9 Rge. 12
 East
 West

County _____

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
 Cement Bond

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	876'	+946
Topeka	2754'	-932
Heebner	2990'	-1168
LKC	3048'	-1226
RTD	3247'	-1425

CASING RECORD New 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#	238'	60/40 poz	160	
Production	7-7/8"	5 1/2"	14#	3246'	ASC	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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	3048 - 3054	2000 gallon 28%	
		1000 gallon 15%	

TUBING RECORD Size 2 3/8" EUE Set At 3200 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 6-21-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 45 Bbls. Gas 0 Mcf Water 5 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 3048 - 3054'
 Other (Specify) _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

API # 15-141-20293

Well Name CHATHAM A #1 Test No. 1 Date 3/28/95
 Company RUSSELL OIL INC Zone LKC 'A'
 Address PO BOX 272 RUSSELL KS 67665 Elevation 1817
 Co. Rep./Geo. FRANCIS WHISLER Cont. SHIELDS #1 Est. Ft. of Pay _____
 Location: Sec. 34 Twp. 9S Rge. 12W Co. OSBORNE State KS

Interval Tested <u>3025-3060</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>35</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>819</u>
Top Packer Depth <u>3020</u>	Drill Collar - 2.25 Ft. Run <u>2197</u>
Bottom Packer Depth <u>3025</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>3060</u>	Viscosity <u>44</u> Filtrate <u>10.8</u>

Tool Open @ 7:56PM Initial Blow 1/2" BLOW - BUILDING TO 3-1/2 INCHES.

Final Blow 2 INCH BLOW BUILDING TO BOTTOM OF BUCKET IN 40 MINUTES.
SURFACE BLOW ON SHUT IN.

Recovery - Total Feet 75 Flush Tool? NO

Rec. <u>285</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>15</u>	Feet of <u>SLIGHT OIL CUT MUD. 10% OIL; 90% MUD.</u>
Rec. <u>60</u>	Feet of <u>HEAVY OIL CUT MUD. 40% OIL; 60% MUD.</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 90 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1504.73 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 19.38 PSI @ (depth) 3029 w / Clock No. ALPINE

(C) First Final Flow Pressure 31.13 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1082.24 PSI @ (depth) 3054 w / Clock No. 23839

(E) Second Initial Flow Pressure 35.16 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 57.06 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1067.89 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1447.66 PSI Initial Shut-in 60 Final Shut-in _____

Our Representative PAUL SIMPSON

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 26 1995
 CHATHAM A #1
 WICHITA, KANSAS

15-141-20293-00-00

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name CHATHAM A #1 Test No. 2 Date 3/29/95
 Company RUSSELL OIL INC Zone LKC 'B'
 Address PO BOX 272 RUSSELL KS 67665 Elevation 1817
 Co. Rep./Geo. FRANCIS WHISLER Cont. SHIELDS #1 Est. Ft. of Pay _____
 Location: Sec. 34 Twp. 9S Rge. 12W Co. OSBORNE State KS

Interval Tested <u>3067-3086</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>19</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>819</u>
Top Packer Depth <u>3062</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3067</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>3086</u>	Viscosity <u>41</u> Filtrate <u>10</u>

Tool Open @ 8:29AM Initial Blow 1/2 BLOW BUILDING TO 1-1/2 INCHES.

Final Blow NO BLOW - FLUSHED TOOL. SURFACE BLOW DIED IN 25 MINUTES.

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of MUD WITH OIL SPOTS.
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 86 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1496.59 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 17.28 PSI @ (depth) 3068 w / Clock No. ALPINE

(C) First Final Flow Pressure 21.06 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1036.16 PSI @ (depth) 3081 w / Clock No. 23839

(E) Second Initial Flow Pressure 21.81 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 25.93 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1019.21 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1495.67 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative PAUL SIMPSON

15-141-20293-0000

TRILOBITE TESTING, L.L.C. ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CHATHAM A #1 Test No. 3 Date 3/29/95
 Company RUSSELL OIL INC Zone LKC 'C'
 Address PO BOX 272 RUSSELL KS 67665 Elevation 1817
 Co. Rep./Geo. FRANCIS WHISLER Cont. SHIELDS #1 Est. Ft. of Pay _____
 Location: Sec. 34 Twp. _____ Rge. 12W Co. OSBORNE State KS

Interval Tested <u>3092-3102</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>10</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>819</u>
Top Packer Depth <u>3087</u>	Drill Collar - 2.25 Ft. Run <u>2258</u>
Bottom Packer Depth <u>3092</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>3102</u>	Viscosity <u>44</u> Filtrate <u>10</u>

Tool Open @ 7:42PM Initial Blow SLID TOOL ONE FOOT WHEN OPENED. 1/2 INCH BLOW, BUILDING TO 2".

Final Blow VERY WEAK SURFACE BLOW THROUGHOUT.

Recovery - Total Feet 40 Flush Tool? NO

Rec. 40 Feet of WATERY MUD.
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 91 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1509.60 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 17.62 PSI @ (depth) 3094 w / Clock No. ALPINE

(C) First Final Flow Pressure 22.99 PSI AK1 Recorder No. _____ Range _____

(D) Initial Shut-in Pressure 908.17 PSI @ (depth) _____ w / Clock No. _____

(E) Second Initial Flow Pressure 26.34 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 31.04 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 830.46 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1493.74 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative PAUL SIMPSON

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15-141-20293-00-00

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ORIGINAL

ALLIED CEMENTING CO., INC.

3899

Home Office P. O. Box 31

Russell, Kansas 67665

new

Date	13-23-95	Sec.	34	Twp.	9	Range	12	Called Out	6:45 PM	On Location	8:45 PM	Job Start		Finish	10:30 PM
Lease	Chatham	Well No.	A-1			Location			S N 3 E 2 N L 4 R 4			County	Osburne	State	Kan
Contractor	Shields DRIs														
Type Job	Surface														
Hole Size	12 1/4	T.D.													
Csg.	8 3/8	Depth	23 1/2												
Tbg. Size		Depth													
Drill Pipe	4 1/2	Depth	24 1/2												
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.															

EQUIPMENT

Pumptrk	153	No.	Cementer	Bill L	
			Helper		MARK
Pumptrk		No.	Cementer		
			Helper		
			Driver		
Bulktrk	160		Driver	JASON	
Bulktrk			Driver		

DEPTH of Job

Reference:	Pump Truck	445.00
	23 1/2 PM	75.20
	8 3/8 Wooden	45.00
	Sub Total	
	Tax	
	Total	565.20

Remarks: Rgn 5 ft surface pipe
 Cement of 160 rh 6/40 3-2
 pump plus of bits water
 Cement did circulate

Owner
 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 listed.

Charge To Russell Oil Inc.
Street Box 272
City Russell **State** Kansas 67665
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Burton Beery

CEMENT

Amount Ordered 160 rh 6/40 3% CC 2% bul

Consisting of

Common	96 @ 6.10	585.60
Poz. Mix	64 @ 3.15	201.60
Gel.	3 @ 9.50	28.50
Chloride	5 @ 28.00	140.00
Quickset		

Handling	@ 1.05	168.00
Mileage	4¢/Sh/Mile	204.00
	(32)	
	Sub Total	
	Total	1328.00

Floating Equipment

RECEIVED
 STATE CORPORATION COMMISSION

JUN 26 1995

WICHITA, KANSAS

15-141-20293-00-00

ne 913-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

7404

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

Date	3-31-95	Sec.	34	Twp.	9	Range	12	Called Out		On Location		Job Start		Finish	12:45AM
Lease	Chatham	Well No.	1	Location	Luray 5N 2 E 2 N				County	Osborne	State	Ks			
Contractor	Shields Drlg														
Type Job	Production String														
Hole Size	7 7/8	T.D.	3247												
Csg.	5 1/2	Depth	3245												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	Baker	Depth	915												
Cement Left in Csg.		Shoe Joint	31												
Press Max.		Minimum													
Meas Line	✓	Displace													
Perf.															

Owner
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 listed.

Charge To: Russell Oil Inc.
Street: P.O. Box 272
City: Russell State: Ks 67665
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X Buxton Beery
500 gal WFR-2 CEMENT
Amount Ordered 175 ASC

Consisting of			
Common	175 ASC	7.85	1373.75
Poz. Mix			
Gel.			
Chloride			
Quickset	500 gal WFR-2	100	500.00
Handling		105	183.75
Milage	32m	.04	224.00
Sub Total			2281.50
Total			

EQUIPMENT

No.	Cementer	Dave Mark
Pumptrk 153	Helper	
No.	Cementer	Ron
Pumptrk	Helper	
	Driver	
Bulktrk 160		
Bulktrk	Driver	

DEPTH of Job

Reference:	Pump tri chg	10.30.00
	2 ³⁵ Per mile 32m	75.20
	5' Rubber plug	59.00
	Sub Total	1164.20
	Tax	
	Total	

Remarks: Plug Rod hole up 15 mouse hole 10 sk
Cent on 1, 4, 7, 14, 72, 80, 87, 94
Basket on 72 top. Part collar on 73
Floor Held.

Floating Equipment 5L
1 Baker part collar \$1785.00
1 Guide Shoe 125.00
1 AFU Insert 189.00
1 Basket 127.00
8 Centrifugers 448.00

RECEIVED
STATE COMMISSION
JUN 26 1995
DIVISION
WICHITA, KANSAS

ALLIED CEMENTING CO., INC. 3218

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

15-141-20293-000

SERVICE POINT:

DATE <u>5-25-95</u>	SEC _____	TWP _____	RANGE _____	CALLED OUT <u>8:00am</u>	ON LOCATION <u>9:15</u>	JOB START <u>9:30am</u>	JOB FINISH <u>12:00pm</u>
LEASE <u>CHATHAM</u>	WELL # <u>A-1</u>	LOCATION <u>LURAY 5N 22E 13N</u>		COUNTY _____	STATE <u>KANSAS</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one) E. INTO							

ORIGINAL

CONTRACTOR <u>RAPID Well Service</u>		OWNER _____
TYPE OF JOB <u>OPEN PORT COLLAR (CIRC. CEMENT)</u>		CEMENT _____
HOLE SIZE _____	T.D. _____	AMOUNT ORDERED <u>200 SK 6 3/4 626el</u>
CASING SIZE _____	DEPTH _____	<u>USED</u>
TUBING SIZE <u>(DANNY)</u>	DEPTH _____	
TUBING TYPE <u>REINHARDT 7.0</u>	DEPTH _____	
TOOL <u>BAKER PORT COLLAR</u>	DEPTH <u>915</u>	
PRES. MAX <u>8000</u>	MINIMUM <u>500</u>	COMMON _____ @ _____
MEAS. LINE _____	SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____		GEL _____ @ _____
PERFS. _____		CHLORIDE _____ @ _____
EQUIPMENT		
PUMP TRUCK _____	CEMENTER <u>Will</u>	
# <u>177</u>	HELPER <u>Will</u>	
BULK TRUCK _____		HANDLING _____ @ _____
# <u>213</u>	DRIVER <u>John Steve</u>	MILEAGE _____ @ _____
BULK TRUCK _____		
# _____	DRIVER _____	TOTAL _____

REMARKS:	SERVICE
<u>BRIDGE Plug @ 2940 Test to 800' & HLD. Latched into port collar & opened. Pumped cement & had very good circulation. Cement came around annulus w/ approx 125 SK. Closed port collar & press. uhd to 500' & HLD. Ran bits tubing & washed clean.</u>	DEPTH OF JOB _____
	PUMP TRUCK CHARGE _____
	EXTRA FOOTAGE _____ @ _____
	MILEAGE _____ @ _____
	PLUG _____ @ _____
	_____ @ _____
	TOTAL _____

CHARGE TO: <u>RUSSELL OIL</u>	FLOAT EQUIPMENT
STREET _____	_____ @ _____
CITY _____ STATE _____ ZIP _____	_____ @ _____
	_____ @ _____
	_____ @ _____
	TOTAL _____

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 [Signature]

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
STATE CORPORATION COMMISSION
JUN 2 6 1995
CONV. WICHITA, KANSAS