

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

ORIGINAL

API NO. 15- 141,203070000

County Osborne

- SW - SE - SE Sec. 34 Twp. 9 Rge. 12 <sup>E</sup>X<sub>V</sub>

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  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: 3-11-97

Well Name: **RELEASED**

Comp. Date 11 1 1997 Old Total Depth 11

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

10-3-95 10-9-95 10-26-95  
Spud Date Date Reached TD Completion Date

330 Feet from  NW (circle one) Line of Section

990 Feet from  EW (circle one) Line of Section

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

Lease Name Chatham "A" Well # 2

Field Name Cheyenne Gap

Producing Formation Kansas City

Elevation: Ground 1841' KB 1846'

Total Depth 3410' PBD 3315'

Amount of Surface Pipe Set and Cemented at 212 Feet

Multiple Stage Cementing Collar Used? Yes  No

If yes, show depth set 930' Feet

If Alternate II completion, cement circulated from 930'

feet depth to surface w/ 170sx. sx cnt.

Drilling Fluid Management Plan ALT II 4-18-96  
(Date must be collected from the Reserve Pit) RU

Chloride content 44,000 ppm Fluid volume 350 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name KCC

Lease Name JAN 20 License No.         

Quarter Sec.          Twp.          **CONFIDENTIAL** 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 01-20-96

Subscribed and sworn to before me this 20th day of January 19 96.

Notary Public Carolyn Gnad

Date Commission Expires         

REC'D  
1-22-96

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)

Operator Name: Russell Oil, Inc.

Lease Name: Chatham, "A"

Well # 2

Sec. 34 Twp. 9 Rge. 12

East  
 West

County: Osborne

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

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Anhydrite	894	+ 952	
Topeka	2779	- 933	
Heebner	3015	-1169	
Toronto	3038	-1192	
Lansing/KC	3074	-1228	
Base KC	3394	-1548	
LTD	3410	-1564	

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" X 8 1/2"	8 5/8"	20#	212'	60/40 poz	140	3% C.C. 2% gel
Production	7 7/8"	4 1/2"	9.5#	3382'	common	200	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

PERFORATION RECORD - Bridge Plugs Set/Type

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3076-3081'	2000 gallons	

TUBING RECORD Size 2 3/8" EUE Set At 3310' Packer At none Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11-4-95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 15 Bbls. Gas none Mcf Water 80 Bbls. Gas-Oil Ratio Gravity 38°

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 3076-81'

CONFIDENTIAL

DATE 10-07-95

OPERATOR : Russell Oil Inc  
WELL NAME: Chatham "A" #2  
LOCATION : 34-9S-12W, Osborne Cty KS  
INTERVAL : 3046.00 To 3085.00 ft

KB 1846.00 ft TICKET NO: 8513 DST #1  
GR 1841.00 ft FORMATION: Lansing "A"  
TD 3085.00 ft TEST TYPE: CONVENTIONAL

15-141-20307

ORIGINAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA
30	Rec.	24174	24174	10992			PF Fr. 2205 to 2235 hr
60	Range(Psi )	3050.0	3050.0	0.0	0.0	0.0	IS Fr. 2235 to 2335 hr
60	Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 2335 to 0035 hr
60	Depth(ft )	3049.0	3049.0	3080.0	0.0	0.0	FS Fr. 0035 to 0135 hr

	Field	1	2	3	4	
Init Hydro	1439.0	1432.0	0.0	0.0	0.0	T STARTED 2112 hr
First Flow	52.0	55.0	0.0	0.0	0.0	T ON BOTM 2203 hr
Final Flow	52.0	55.0	0.0	0.0	0.0	T OPEN 2205 hr
In Shut-in	835.0	836.0	0.0	0.0	0.0	T PULLED 0135 hr
Init Flow	52.0	64.0	0.0	0.0	0.0	T OUT 0242 hr
Final Flow	52.0	64.0	0.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA
Final Hydro	1409.0	1412.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs

RECOVERY

Total Fluid 105.00 ft of 0.00 ft in DC and 105.00 ft in DP  
135.00 ft of Gas in pipe  
45.00 ft of Oil cut mud - 20% oil, 80% mud  
10.00 ft of Heavy oil and slightly water cut mud -  
42% oil, 8% water, 50% mud

Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	50000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	42000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	2287.00 ft
H.W. I.D	2.70 in
H.W. Length	755.00 ft

RELEASED

MAR 11 1997

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

FROM CONFIDENTIAL

BLOW DESCRIPTION

Initial Blow -  
.5" blow building to bottom of bucket  
in 28 minutes

Initial Shutin -  
No blow

Final Blow -  
5" blow building to bottom of bucket  
in 8 min

Final Shutin -  
No blow

SAMPLES:

SENT TO:

KCC  
JAN 20  
CONFIDENTIAL

MUD DATA	Chemical
Mud Type	
Weight	8.90 lb/cf
Vis.	47.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

OPERATOR : Russell Oil Inc

DATE 10-08-95

WELL NAME: Chatham "A" #2

KB 1846.00 ft

TICKET NO: 8514

DST #2

LOCATION : 34-9S-12W, Osborne Cty KS

GR 1841.00 ft

FORMATION: LKC "C"

INTERVAL : 3113.00 To 3131.00 ft

TD 3131.00 ft

TEST TYPE: CONVENTIONAL

ORIGINAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA
PF 30 Rec.	24174	24174	10992			PF Fr. 0032 to 0102 hr
SI 45 Range(Psi )	3050.0	3050.0	3126.0	0.0	0.0	IS Fr. 0102 to 0147 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0147 to 0217 hr
FS 45 Depth(ft )	3115.0	3115.0	3126.0	0.0	0.0	FS Fr. 0217 to 0302 hr

	Field	1	2	3	4	
A. Init Hydro	1462.0	1460.0	0.0	0.0	0.0	T STARTED 2345 hr
B. First Flow	37.0	46.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	119.0	130.0	0.0	0.0	0.0	T OPEN 0032 hr
C. In Shut-in	1137.0	1139.0	0.0	0.0	0.0	T PULLED 0302 hr
D. Init Flow	187.0	194.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	248.0	252.0	0.0	0.0	0.0	
F. Fl Shut-in	1130.0	1136.0	0.0	0.0	0.0	TOOL DATA
G. Final Hydro	1454.0	1456.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 570.00 ft of 0.00 ft in DC and 570.00 ft in DP  
570.00 ft of Salt water w/ scum of oil in tool

RW .16 @ 80 F

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
.5" blow building to bottom of bucket  
in 12 min

Final Blow -  
Surface blow building to bottom of  
bucket in 23 min

SAMPLES:  
SENT TO:

MAR 11 1997  
3-11-97  
FROM CONFIDENTIAL

Test Successful: Y

MUD DATA	
Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	45.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

KCC  
JAN 20  
CONFIDENTIAL



# ALLIED CEMENTING CO., INC.

2379

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

15-141-20307-00-00

CONFIDENTIAL

SERVICE POINT:

Russell

DATE: 10-9-95	SEC 14	TWP 9	RANGE 12	CALLED OUT 2:30 pm	ON LOCATION 6:45 pm	JOB START	JOB FINISH 9:15 P.M.
LEASE Chatham	WELL# A-2	LOCATION SN 2 E 2 N LORAY			COUNTY OSBORNE	STATE KAN	

OLD OR NEW (Circle one)

ORIGINAL

CONTRACTOR Shields Drlg.	OWNER	CEMENT
TYPE OF JOB 4 1/2" P		
HOLE SIZE 7 7/8" TD. 3410		
CASING SIZE 4 1/2" DEPTH 3382	AMOUNT ORDERED	
TUBING SIZE DEPTH	225 pku Com 10% Salt	
DRILL PIPE DEPTH	500 gal Mud Flush	
TOOL DEPTH	225	
PRES. MAX MINIMUM	COMMON 225 SKN @ 610	1372.50
MEAS. LINE 3340 SHOE JOINT 42'	POZMIX @	
CEMENT LEFT IN CSG. 42'	GEL @	
PERFS.	CHLORIDE @	
	WFR 2 500 gal @ 1.00	500.00
	Salt 22 @ 7.00	154.00
	HANDLING @ 1.05	236.25
	MILEAGE 32m @ 04	288.00
	TOTAL 2550.75	

EQUIPMENT

PUMP TRUCK # 221	CEMENTER Bill	HELPER Glen	RELEASED
BULK TRUCK #	DRIVER	MAR 1 1997	
BULK TRUCK # 213	DRIVER Jason	CONFIDENTIAL JAN 20	

REMARKS:

CONFIDENTIAL SERVICE

Run 81/2" 4 1/2" Ccs pipe 3382'	DEPTH OF JOB 3382'	
Shoe 42' Insert C 3340'	PUMP TRUCK CHARGE 1030.00	
Pump 500 gal WFR 2	EXTRA FOOTAGE @	
Comantyl 200 pk Com 10% Salt	MILEAGE 32 @ 2.35	75.20
Pump plug w/ 53 pbs water sand plug	PLUG 1-4 1/2 ROBBER @	45.00
c. 999 SI Float did hold		
1 Sabi Rathole 10 pk mousehole		
	TOTAL 1150.20	

CHARGE TO: Russell Oil Inc.

STREET P.O. Box 272  
CITY Russell STATE Kan ZIP 67665

FLOAT EQUIPMENT

FURNISH by Rhinco	
P.C. 930 Jt. 59	@
	@
	@
	@
	@
	TOTAL

TAX

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

TOTAL CHARGE \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

