

5

CONFIDENTIAL

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 3293
Name: Russell Oil, Inc.
Address P.O. Box 272
City/State/Zip Russell, KS. 67665
Purchaser: N/A

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 S1OW 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 PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-27-95 12-4-95 1-3-96
Spud Date Date Reached TD Completion Date
Well Plugged 2-6-96

API NO. 15- 141-203060000
County Osborne
SW NW NW ^{NK} ^{KCC} Sec. 2 Twp. 10 Rge. 12 E W

4210 Feet from (3) N (circle one) Line of Section
4950 Feet from (2) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (2) NW or SW (circle one)

Lease Name Sigle Trust Well # 4
Field Name Sigle North

Producing Formation _____
Elevation: Ground 1872' KB 1877'
Total Depth 3434' PSTD _____

Amount of Surface Pipe Set and Cemented at 206 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 942' Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan P+A, 9-25-98 UIC
(Data must be collected from the Reserve Pits)

Chloride content 79,000 ppm Fluid Volume 375 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name 10-1-98
Lease Name OCT 1 1998 License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____
County Osborne 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 3-19-96

Subscribed and sworn to before me this 19 day of March 1996.

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)

SIDE TWO

Operator Name Russell Oil, Inc. Lease Name Siqle Trust Well # 4
 Sec. 2 Twp. 10 Rge. 12 East County Osborne
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	912-945	+965
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2800	-923
List All E.Logs Run:		Heebner	3036	-1159
Radiation Guard Log		Toronto	3060	-1183
Dual Spaced Cement Bond		LKC	3091	-1214
		Base KC	3416	-1539
		LTD	3434	-1557

CASING RECORD <input 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
(New) Surface	12 1/4"	8 5/8"	20#	206'	60/40 poz	135	3% c.c. 2% gel
(used) Production	7 7/8"	4 1/2"	9.5#	3429'	ASC	125	18% salt 1/4 # flocc 2% gel
					50/50 poz	25	18% salt 2% gel

Pull 2710' 4 1/2" on plugging.

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 checked="" type="checkbox"/> Plug Off Zone	3123-26'	common	150	3% gilsonite

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)	
		Amount	Depth
4	3093 - 3096'	2000 gal 15% NE/2500 gal 28% NE	
4	3123-3126'	500 gal. 15% NE	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Well plugged 2-6-96		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: _____

OPERATOR : Russell Oil Inc
WELL NAME: Sigle Trust #4
LOCATION : 2-10S-12W, Osborne Cty KS
INTERVAL : 3070.00 To 3100.00 ft

DATE 12/02/95

KB 1877.00 ft TICKET NO: 8415 DST #1
GR 1872.00 ft FORMATION: Lansing/KC "A"
TD 3100.00 ft TEST TYPE: CONVENTIONAL

15-141-20306-00-00

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11086	11086	6730			PF Fr. 0823 to 0853 hr
RI 60 Range(Psi)	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 0853 to 0953 hr
SF 60 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0953 to 1053 hr
FS 60 Depth(ft)	3097.0	3097.0	3075.0	0.0	0.0	FS Fr. 1053 to 1153 hr

	Field	1	2	3	4	
A. Init Hydro	1489.0	1500.0	0.0	0.0	0.0	T STARTED 0710 hr
B. First Flow	87.0	98.0	0.0	0.0	0.0	T ON BOTM 0820 hr
1. Final Flow	120.0	87.0	0.0	0.0	0.0	T OPEN 0823 hr
C. In Shut-in	843.0	830.0	0.0	0.0	0.0	T PULLED 1153 hr
D. Init Flow	87.0	85.0	0.0	0.0	0.0	T OUT 1255 hr
E. Final Flow	131.0	81.0	0.0	0.0	0.0	
F. Fl Shut-in	623.0	621.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1478.0	1483.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0				Wt Set On Packer 25000.00 lbs

RECOVERY

Net Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP
5.00 ft of Oily mud - 30% oil, 70% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

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

BLOW DESCRIPTION

Initial Flow -
Weak surface blow

Initial Shutin -
Bled off, no blow back

Final Flow -
Weak building to fair, 1.5" in bucket

Final Shutin -
Bled off, no blow back

AMPLES:
SENT TO:

RELEASED

OCT 1 1998

10-1-98

FROM CONFIDENTIAL

COPY

Test Successful: Y

Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	74000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	50000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	2319.00 ft
H.W. I.D	2.70 in
H.W. Length	755.00 ft

MUD DATA-----

Mud Type	Chemical
Weight	8.00 lb/cf
Vis.	43.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	106.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type
Reversed Out
Tool Chased
Tester Mike McVey
Co. Rep. Francis Whisler
Contr. Shields
Rig # 2
Unit #
Pump T.

RECEIVED
TRILOBITE TESTING L.L.C.
OCT 20 11:23

CONFIDENTIAL

15-141-20306-00-00

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil Inc
WELL NAME: Sigle Trust #4
LOCATION : 2-10S-12W, Osborne Cty KS
INTERVAL : 3100.00 To 3130.00 ft

DATE 12/2/95
KB 1877.00 ft TICKET NO: 8416 DST #2
GR 1872.00 ft FORMATION: Lansing/KC "B"
TD 3130.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11086	11086	6730			PF Fr. 1953 to 2023 hr
SI 60 Range(Psi)	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 2023 to 2123 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 2123 to 2153 hr
TS 60 Depth(ft)	3127.0	3127.0	3105.0	0.0	0.0	FS Fr. 2153 to 2253 hr

	Field	1	2	3	4	
A. Init Hydro	1511.0	1504.0	0.0	0.0	0.0	T STARTED 1900 hr
B. First Flow	76.0	74.0	0.0	0.0	0.0	T ON BOTM 1950 hr
Bl. Final Flow	54.0	46.0	0.0	0.0	0.0	T OPEN 1953 hr
C. In Shut-in	1118.0	1094.0	0.0	0.0	0.0	T PULLED 2253 hr
D. Init Flow	76.0	70.0	0.0	0.0	0.0	T OUT 0015 hr
E. Final Flow	54.0	50.0	0.0	0.0	0.0	
F. Fl Shut-in	1074.0	1052.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1489.0	1476.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs

RECOVERY

Net Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
20.00 ft of Slightly oil cut mud - 2% oil, 98% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

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

Wt Pulled Loose	62000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	50000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	2350.00 ft
H.W. I.D	2.70 in
H.W. Length	755.00 ft

BLOW DESCRIPTION

Initial Flow -
Weak surface blow
Initial Shutin -
Bled off, no blow back
Final Flow -
Very weak surface blow
Final Shutin -
Bled off, no blow back

RELEASED

OCT 1 1998

10-1-98

FROM CONFIDENTIAL

COPY

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	43.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	102.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

TRILOBITE TESTING L.L.C. CONFIDENTIAL

ORIGINAL

OPERATOR : Russell Oil Inc
WELL NAME: Sigle Trust #4
LOCATION : 2-10S-12W, Osborne Cty KS
INTERVAL : 3132.00 To 3144.00 ft

DATE 12/3/95
KB 1877.00 ft
GR 1872.00 ft
TD 3144.00 ft
TICKET NO: 8417
FORMATION: Lansing/KC "C"
DST #3
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11086	11086	6730			PF Fr. 0732 to 0802 hr
SI 60 Range(Psi)	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 0802 to 0902 hr
SF 60 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0902 to 1002 hr
TS 60 Depth(ft)	3141.0	3141.0	3137.0	0.0	0.0	FS Fr. 1002 to 1102 hr

	Field	1	2	3	4	
A. Init Hydro	1532.0	1530.0	0.0	0.0	0.0	T STARTED 0645 hr
B. First Flow	54.0	39.0	0.0	0.0	0.0	T ON BOTM 0730 hr
Bl. Final Flow	65.0	50.0	0.0	0.0	0.0	T OPEN 0732 hr
C. In Shut-in	1096.0	1097.0	0.0	0.0	0.0	T PULLED 1102 hr
D. Init Flow	109.0	87.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	131.0	124.0	0.0	0.0	0.0	
F. Fl Shut-in	1118.0	1100.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1522.0	1520.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 54000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 51000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 2381.00 ft
						H.W. I.D 2.70 in
						H.W. Length 755.00 ft

RECOVERY

Net Fluid 220.00 ft of 0.00 ft in DC and 220.00 ft in DP
 200.00 ft of Gas in pipe
 40.00 ft of Slightly gassy water and mud cut oil -
 7.00 ft of 10% gas, 80% oil, 8% water, 2% mud
 20.00 ft of Slightly oil and mud cut water -
 0.00 ft of 5% oil, 80% water, 15% mud
 60.00 ft of Watery mud - 25% water, 75% mud
 0.00 ft of
 0.00 ft of RW .390 @ 54.3 F

SALINITY 20000.00 P.P.M. A.P.I. Gravity 34.50

BLOW DESCRIPTION

Initial Flow -
 Surface to 9" in bucket in 30 min
 Initial Shutin -
 Bled off, no blow back
 Final Flow -
 Bottom of bucket in 42 min
 Final Shutin -
 Bled off, blew back in 3 min, died 15 min later

RELEASED
 OCT 1 1998
 10-1-98
 FROM CONFIDENTIAL

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	43.00 S/L
W.L.	6.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	101.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

ALLIED CEMENTING CO., INC.

2348

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

ORIGINAL

SERVICE POINT: **R**

DATE: 1-9-96	SEC: 2	TWP: 10	RANGE: 12	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE: Segil	WELL #:	4	LOCATION: LWAY SN 3E 12N			COUNTY: Osborne	STATE: Ks

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR: Rapid Well Service	OWNER:
TYPE OF JOB: Squarer	CEMENT:
HOLE SIZE: T.D.	
CASING SIZE: 42	DEPTH:
TUBING SIZE: 20	DEPTH:
DRILL PIPE: Remhart	DEPTH: 3045
PRES. MAX:	MINIMUM:
MEAS. LINE:	SHOE JOINT:
CEMENT LEFT IN CSG:	
PERFS: 3092-96 8123-26	

EQUIPMENT

153

PUMP TRUCK # **153** CEMENTER: **Dave**
HELPER: **Mark**

BULK TRUCK # **282** DRIVER: **Paul**

AMOUNT ORDERED	150 com 3/8 gilsonite
COMMON	150 @ 6.10 915.00
POZMIX	@
GEL	@
CHLORIDE	@
Gil	423# @ 41 17343
HANDLING	@
MILEAGE	33m @ 10.5 157.50
	04 198.00
RELEASED	OCT 1 1998
TOTAL	14439.3

REMARKS:

Squeezed @ 1500 PSI
wash out 2 JTs
Pneled 10 JTs
set packer shut in @

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB	326
PUMP TRUCK CHARGE	1030.00
EXTRA FOOTAGE	@
MILEAGE	33 @ 23.5 77.55
PLUG	@
TOTAL	1107.55

CHARGE TO: **Russell Oil**

STREET: **P.O. Box 272**

CITY: **Russell** STATE: **Kan** ZIP: **67665**

FLOAT EQUIPMENT

	@
	@
	@
	@
	@
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.

TAX: _____

TOTAL CHARGE: _____

DISCOUNT: _____ IF PAID IN 30 DAYS

SIGNATURE _____

COPY

ALLIED CEMENTING CO., INC.

2249

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

ORIGINAL

SERVICE POINT:

Russell

DATE <u>12-4-95</u>	SEC. <u>2</u>	TWP. <u>10 S</u>	RANGE <u>12 W</u>	CALLED OUT <u>3:45AM</u>	ON LOCATION <u>6:00AM</u>	JOB START <u>8:45AM</u>	JOB FINISH <u>9:15AM</u>
LEASE <u>Single TRUST</u>	WELL # <u>4</u>	LOCATION <u>LURAY 5N 3E 2N</u>		COUNTY <u>OSBORNE</u>	STATE <u>KANSAS</u>		

CONFIDENTIAL

CONTRACTOR <u>SHIELDS DAIG RIG #2</u>	OWNER _____
TYPE OF JOB <u>PRODUCTION STRING</u>	CEMENT _____
HOLE SIZE <u>7 7/8</u>	T.D. <u>3432'</u>
CASING SIZE <u>4 1/2 9 5/8 #</u>	DEPTH <u>3429'</u>
TUBING SIZE <u>PORT COLLAR</u>	DEPTH <u>942</u>
DRILL PIPE _____	DEPTH _____
TOOL <u>AFU INSERT</u>	DEPTH <u>3394</u>
PRES. MAX <u>1,000 #</u>	MINIMUM _____
MEAS. LINE <u>✓</u>	SHOE JOINT <u>35'</u>
CEMENT LEFT IN CSG. <u>5 5/8 BBL</u>	_____
PERFS. _____	_____

AMOUNT ORDERED <u>125 SK ASC. 18% SALT 1/4 # FLO SEAL</u>	
<u>50 SK 5 9/16 2% GEL 18% SALT 1/4 # FLO SEAL</u>	
<u>500 GAL WFR 2 - 5 SK SALT FLUSH</u>	
COMMON _____	25 @ 6.10 = 152.50
POZMIX _____	25 @ 3.15 = 78.75
GEL _____	1 @ 9.50 = 9.50
CHLORIDE _____	@ _____
<u>ASC</u>	125 @ 7.85 = 981.25
<u>SALT</u>	32 @ 7.00 = 224.00
<u>Flo Seal</u>	44 @ 1.15 = 50.60
<u>WFR2</u>	500 gal @ 1.00 = 500.00
HANDLING _____	@ 10.5 = 183.75
MILEAGE <u>32m</u>	04 = 224.00
RELEASED _____	
TOTAL	2404.35

EQUIPMENT

PUMP TRUCK # <u>172</u>	CEMENTER <u>Shay</u>	HELPER <u>Will</u>
BULK TRUCK # <u>160</u>	DRIVER <u>Paul</u>	
BULK TRUCK # <u>282</u>	DRIVER <u>Steve</u>	

REMARKS:

FLOAT HELD

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	1030.00
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>32m</u>	235 = 75.20
PLUG <u>1-4 1/2 RUBBER</u>	@ _____ = 38.00
<u>10 SK @ MOUSE HOLE</u>	@ _____
<u>15 SK @ RAT HOLE</u>	@ _____
TOTAL	1143.20

CHARGE TO: Russell Oil Inc.

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

FLOAT EQUIPMENT

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ **IF PAID IN 30 DAYS**

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

COPY

ALLIED CEMENTING CO., INC.

2239

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

ORIGINAL

SERVICE POINT:
Russell

DATE <u>11-27-95</u>	SEC. <u>2</u>	TWP. <u>10</u>	RANGE <u>12</u>	CALLED OUT <u>7:30 PM</u>	ON LOCATION <u>9:00 PM</u>	JOB START <u>10:15 AM</u>	JOB FINISH <u>10:45 PM</u>
LEASE <u>SIGLE</u>	WELL # <u>4</u>	LOCATION <u>LURAY 5N 3E 2N into</u>		COUNTY <u>OSBORNE</u>	STATE <u>KANSAS</u>		

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR <u>SHIELD'S DRLG. Rig #2</u>	OWNER _____
TYPE OF JOB <u>SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>209'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>206'</u>
TUBING SIZE _____	DEPTH _____
DRILL PIPE _____	DEPTH _____
TOOL _____	DEPTH _____
PRES. MAX _____	MINIMUM _____
MEAS. LINE _____	SHOE JOINT _____
CEMENT LEFT IN CSG. <u>15'</u>	<u>12 1/2 / 35'</u>
PERFS. _____	COMMON <u>81</u>
	POZMIX <u>54</u>
	GEL <u>2</u>
	CHLORIDE <u>4</u>

AMOUNT ORDERED	<u>135 SK 6% 2% Gel</u>
	<u>320 ce</u>
	<u>6.10</u>
	<u>494.10</u>
	<u>3.15</u>
	<u>176.10</u>
	<u>9.50</u>
	<u>19.00</u>
	<u>28.00</u>
	<u>182.00</u>
	<u>4.05</u>
	<u>181.75</u>
	<u>172.80</u>
	<u>1109.75</u>

EQUIPMENT

PUMP TRUCK # <u>153</u>	CEMENTER <u>Shm</u>	HELPER <u>Mark</u>
BULK TRUCK # <u>213</u>	DRIVER <u>Jason</u>	
BULK TRUCK # _____	DRIVER _____	

HANDLING

MILEAGE <u>48</u>	RELEASED <u>Sh</u>	Mile <u>172.80</u>
OCT 1 1998	TOTAL	<u>1109.75</u>

REMARKS:

Cement CIRCULATED
Shm

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB _____	PUMP TRUCK CHARGE <u>445.00</u>
EXTRA FOOTAGE _____	MILEAGE <u>32</u>
PLUG <u>1-8 5/8</u>	<u>75.20</u>
	<u>45.00</u>
	TOTAL <u>565.20</u>

CHARGE TO: RUSSELL OIL INC.
 STREET Box 272
 CITY Russell STATE Kansas ZIP 67665

FLOAT EQUIPMENT

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

COPY

STATE OF KANSAS
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
130 South Market - Room 2078
Wichita, Kansas 67202

FORM CP-1 (3/92)

WELL PLUGGING APPLICATION FORM
(PLEASE TYPE FORM and File ONE Copy)

API # 15-141-20,306 (Identifier number of this well). This must be listed for wells drilled since 1967; if no API# was issued, indicate spud or completion date.

WELL OPERATOR Russell Oil, Inc. KCC LICENSE # 31529
(owner/company name) (operator)

ADDRESS P.O. Box 272 CITY Russell

STATE Kansas ZIP CODE 67665-0272 CONTACT PHONE # (913) 483-3950

LEASE Single Trust WELL# 4 SEC. 2 T. 10S R. 12 (East)

80' So. of SW. NW - NW SPOT LOCATION/Q000 COUNTY Osborne

 FEET (in exact footage) FROM S/N (circle one) LINE OF SECTION (NOT Lease Line)

 FEET (in exact footage) FROM E/W (circle one) LINE OF SECTION (NOT Lease Line)

Check One: OIL WELL GAS WELL D&A SWD/ENHR WELL DOCKET#

CONDUCTOR CASING SIZE SET AT CEMENTED WITH SACKS

SURFACE CASING SIZE 8 5/8" SET AT 206' CEMENTED WITH 135 SACKS

PRODUCTION CASING SIZE 4 1/2" SET AT 3429' CEMENTED WITH 150 SACKS

LIST (ALL) PERFORATIONS and BRIDGEPLUG SETS: Perfs: 3093-96' Port collar at 942' not cemented

ELEVATION 1872/1877' T.D. 3434' PBTD 3112' ANHYDRITE DEPTH 912'-945'
(G.L./K.B.) (Top of Cement 2750') (Stone Corral Formation)

CONDITION OF WELL: GOOD POOR CASING LEAK JUNK IN HOLE

PROPOSED METHOD OF PLUGGING ACCORDING TO THE RULES AND REGULATIONS OF THE STATE OF KANSAS.

(If additional space is needed attach separate page)

IS WELL LOG ATTACHED TO THIS APPLICATION AS REQUIRED? IS ACO-1 FILED?

If not explain why?

PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-101 et. seq. AND THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.

LIST NAME OF COMPANY REPRESENTATIVE AUTHORIZED TO BE IN CHARGE OF PLUGGING OPERATIONS:

LeRoy Holt PHONE# ()

ADDRESS same as above City/State

PLUGGING CONTRACTOR Mike's Testing & Salvage Inc. KCC LICENSE # 31529
(company name) (contractor's)

ADDRESS P.O. Box 209 Chase, Kansas 67524 PHONE # () (316) 938-2943

PROPOSED DATE AND HOUR OF PLUGGING (If Known?) ASAP

PAYMENT OF THE PLUGGING FEE (K.A.R. 82-3-118) WILL BE GUARANTEED BY OPERATOR OR AGENT

DATE: 1-30-96 AUTHORIZED OPERATOR/AGENT:
(signature)

KANSAS RECEIVED
CORPORATION
FEB 1 11 13
2/96

4)

FRANCIS C. WHISLER
CERTIFIED PETROLEUM GEOLOGIST
AAPG No. 1933
RUSSELL, KANSAS 67665

ORIGINAL



RELEASED

OCT 1 1996

FROM CONFIDENTIAL

CONFIDENTIAL

**GEOLOGICAL REPORT
FOR**

**RUSSELL OIL, INC.
P O BOX 272
Russell, Kansas**

**RECEIVED
KANSAS CORP COMM
1996 MAR 20 A 11:23**

**McNerney B-1
SE NE SE of Section 3
Twp. 10 South, Rge. 12 West
Osborne County, Kansas**

15-141-20306

March 18, 1996

RUSSELL OIL, INC.

P O Box 272
Russell, Kansas 67665

Geological Report: McNerney B-1
SE NE SE of Sec. 3, 10s, 12w
Osborne County, Kansas

Contractor: Shields Drilling Co., Inc.

Drilling Commenced: March 4, 1996

Drilling Completed: March 15, 1996

Casing Record: 8 5/8" surface casing set 843' with 325
sacks cement.
5 1/2" production casing set 4101' with
250 sacks cement.

Samples: Saved and examined from 2700' to 4300', RTD.
Samples will be sent to Kansas Sample Bureau
at 4150 Monroe, Wichita, Kansas. Zones of
interest are described in this report.

Drilling Time: Recorded and plotted from 2700' to 4300', RTD.
A copy of the plotted drilling time/lithology
log is included with this report.

Drillstem Tests: 2 by Trilobite Testing LLC.

Electric Logs: Radiation-Guard-Caliper by Mercury Wireline.

Elevations: Kelly Bushing: 1791'
Ground Level: 1786
Measurements: From KB

FORMATIONS:	DRILLING DEPTHS:	E. LOG DEPTHS:	E. LOG DATUMS:
Anhydrite	833-863	828-858	+ 963
Topeka Lime	2721	2716	- 925
Heebner Shale	2961	2956	-1165
Toronto Lime	2985	2982	-1191
Lansing-Kansas City	3016	3012	-1221
C Zone Porosity	3072	3068	-1277
Base of Kansas City	3341	3336	-1545
Cherokee Shale	3492	3488	-1697
Conglomerate	3566	3564	-1773
Mississippi	3614	3626	-1835
Kinderhook	3710	3696	-1905
Viola	3740	3730	-1939
Simpson	3992	3988	-2197
Arbuckle	4049	4049	-2258
Total Depth	4300	4300	-2509

Lithology & Test Data: (corrected to E. log depths)

Lansing-Kansas City:

3012-3024: LS-white, light gray and buff, fine crystalline dense to fair
A zone crystalline porosity and some wuggy porosity. scattered light
oil stain with fair odor and trace of free oil. Tested by DST #1.

DRILLSTEM TEST No. 1: 2994-3030 (2990-3026) 30-60-60-60 with weak blow inc-
reasing to good. Off bottom of
bucket in 55 min.

Recovery: 300' of gas
60' HOCM. 25% oil, 75% mud
60' Gassy muddy oil. 20% gas,
50% oil, 30% mud.

IFP:	37-37	IBHP:	659
FFP:	52-59	FBHP:	629

3042-3050: LS-white, dense to chalky, fossiliferous and fine oolitic with
B zone rare spotty stain and trace of free oil. No odor. Very cherty.
Good porosity. Tested by DST #2.

DRILLSTEM TEST No. 2: 3040-3060 (3036-3056) 30-60-60-60- with weak blow

Recovery: 3' clean oil
62' oil specked muddy water

IFP:	37-37	IBHP:	781
FFP:	37-44	FBHP:	781

3068-3082: LS-white, buff, crystalline, dense to chalky with white fine
C zone oolitic and oolitic lime with good porosity and all barren
porosity with no show of oil. Some chert. Non-commercial.

Simpson:

4027-4032: SS-Abundant clusters, fine to medium grained, subrounded, clear
to brownish and grayish cast. Both loosely and tightly com-
pacted. Some pyritic sandstone. A few clusters carried dead
oil staining. No value.

Remarks & Recommendations:

The following table compares the McNerney B-1 with two nearby producing wells:

	McNerney B-1 SE NE SE Sec. 3	Sigle Trust #2 NW NW SW Sec. 2	Bowman A-2 NE SE NE Sec. 3
Anhydrite	+ 963	+ 971	+ 958
Lansing	-1221	-1211	-1218

You will note from the foregoing table that the McNerney B-1 ran somewhat lower, structurally, on top of the LKC when compared to the two nearby wells. However, the Lansing top of -1221 is still a few feet higher than the producing wells on the Chattam, Nelson and Brandt leases to the northwest.

I believe that the McNerney B-1 should complete satisfactorily in the A zone of the LKC. The well was drilled to the Arbuckle for deep penetration and cased in the Arbuckle for completion as a salt water disposal well at some later date.

Respectfully submitted;

Francis C. Whisler

Francis C. Whisler