

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

API NO. 15- 141-203250000

ORIGINAL

County Osborne

SW - NW - SE Sec. 34 Twp. 9 Rge. 12 X W

Operator: License # 3293

CONFIDENTIAL

1650 Feet from SW (circle one) Line of Section

Name: Russell Oil, Inc.

2310 Feet from EW (circle one) Line of Section

Address P.O. Box 272

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

City/State/Zip Russell, KS. 67665

Lease Name Chatham "B" Well No. 1

Purchaser: N/A

Field Name Cheyenne Gap

Operator Contact Person: LeRoy Holt II

Producing Formation N/A

Phone (913) 483-3954

Elevation: Ground 1789 KB 1794

Contractor: Name: Shields Oil Producers, Inc.

Total Depth 3099' PBTD

License: 5184

Amount of Surface Pipe Set and Cemented at 2124 Feet

Wellsite Geologist: Francis Whisler

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 SLOW Temp. Abd.

Gas ENHR SIGW

X Dry Other (Core, HSW, 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

RELEASED
3-23-98
MAR 23 1998

Operator: _____

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Well Name: _____

Chloride content 72k ppm Fluid volume 380 bbls

Comp. Date _____ Old Test Depth _____

Dewatering method used evaporation

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Location of fluid disposal if hauled offsite _____

CONFIDENTIAL

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

9-8-96 9-14-96 9-14-96
Spud Date Date Reached TD Completion Date

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 Manley Holte

Title Vice-President Date 10-22-96

Subscribed and sworn to before me this 22 day of October 19 96.

Notary Public Carolyn Gnad

Date Commission Expires October 22, 1997

CAROLYN GNAD
NOTARY PUBLIC
STATE OF KANSAS
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/Rop NGPA
 KGS Plug Other (Specify)

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 (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	854-884	+940
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2730	-936
		Heebner	2964	-1170
		Toronto	2988	-1194
		Lansing/KC	3021	-1227
		LTD	3099	-1305

List All E.Logs Run: Radiation Guard

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
Surface	12 1/4"	8 5/8"	20#	212'	60/40 Poz mix	150	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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(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, SWD 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 On Lease (If vented, submit A)

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

Production Interval: _____

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ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc
WELL NAME: Chatham "B" #1
LOCATION : 34-9S-12W, Osborne Cty KS
INTERVAL : 2999.00 To 3037.00 ft

DATE 09/12/96

KB 1794.00 ft TICKET NO: 9434 DST #1
GR 1789.00 ft FORMATION: LKC "A"
TD 3037.00 ft TEST TYPE: CONV

15-141-20325

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA
PF 30	Rec.	24174	24174	10992			PF Fr. 1914 to 1944 hr
SI 60	Range (Psi)	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 1944 to 2044 hr
SF 60	Clock (hrs)	12	12	12			SF Fr. 2044 to 2144 hr
FS 60	Depth (ft)	3004.0	3004.0	3032.0	0.0	0.0	FS Fr. 2144 to 2244 hr

	Field	1	2	3	4	
A. Init Hydro	1424.0	1423.0	0.0	0.0	0.0	T STARTED 1820 hr
B. First Flow	37.0	36.0	0.0	0.0	0.0	T ON BOTM 1912 hr
B1. Final Flow	37.0	36.0	0.0	0.0	0.0	T OPEN 1914 hr
C. In Shut-in	461.0	459.0	0.0	0.0	0.0	T PULLED 2244 hr
D. Init Flow	37.0	36.0	0.0	0.0	0.0	T OUT 2400 hr
E. Final Flow	37.0	36.0	0.0	0.0	0.0	
F. Fl Shut-in	157.0	163.0	0.0	0.0	0.0	
G. Final Hydro	1416.0	1415.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
Show of free oil on top
25.00 ft of Slightly oil cut mud - 10% oil, 90% mud

TOOL DATA-----

Tool Wt.	1700.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	50000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	40000.00 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	2997.00 ft

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

BLOW DESCRIPTION

Initial Flow -
Weak .125" blow throughout

Final Flow -
1" blow building to 1.25"

RELEASED

MAR 23 1998

FROM CONFIDENTIAL

SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	40.00 S/L
W.L.	9.80 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	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	
Unit #	
Pump T.	

MAINTAINED BY
A 1250

CONFIDENTIAL

ORIGINAL

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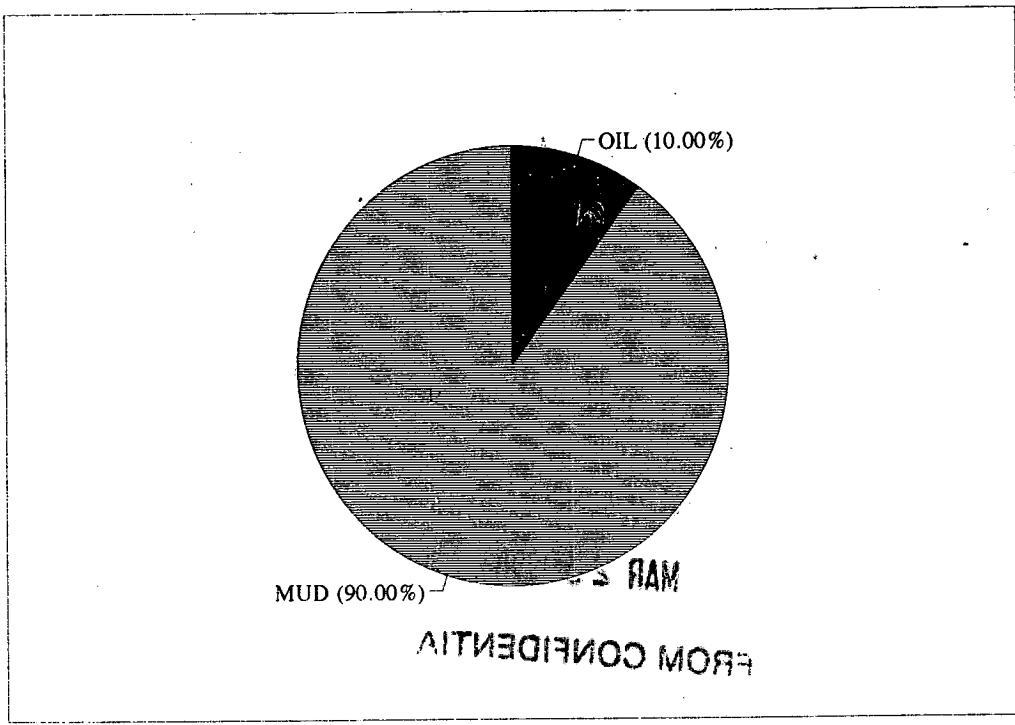
CALCULATED RECOVERY ANALYSIS - DRILL PIPE

DST 1

TICKET 9434

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	25		0	10	2.5		0	90	22.5
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	25		0		2.5		0		22.5

BBL OIL = 0.03555 * HRS OPEN = 1.5 = BBL/DAY 0.5688
 BBL WATER = 0 * = 0
 BBL MUD = 0.31995
 BBL GAS = 0

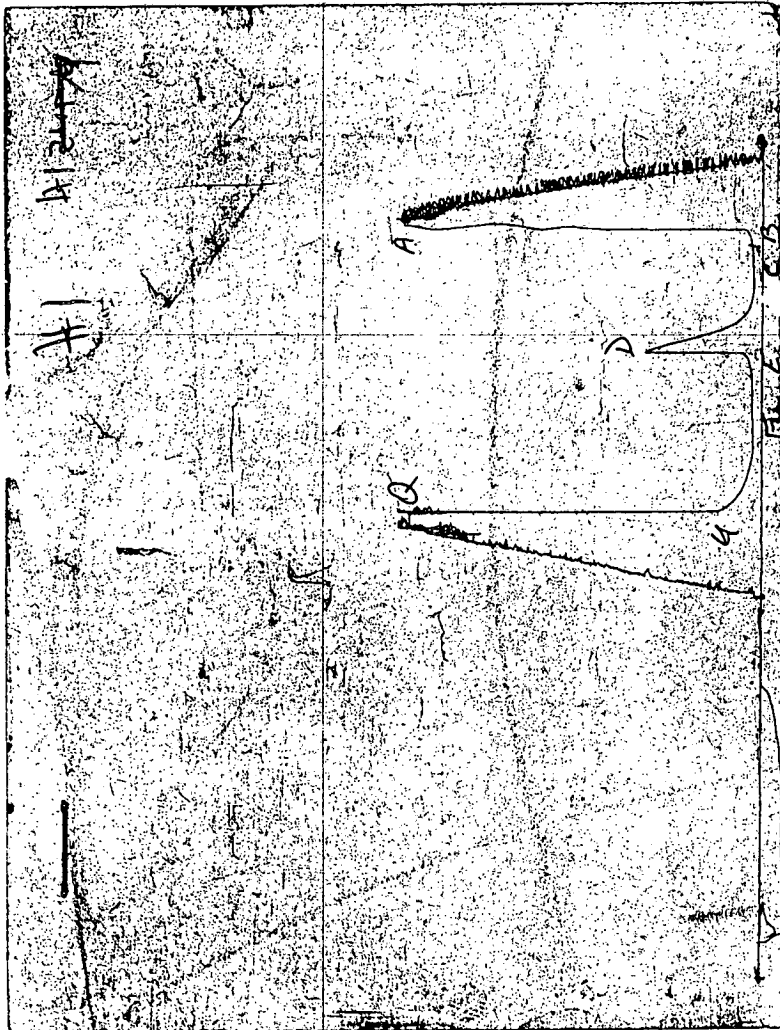


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ORIGINAL

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KANSAS CORP
1998 OCT 23 A 12:56

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

KCC
OCT 22
CONFIDENTIAL

RELEASED

MAR 23 1998

FROM CONFIDENTIAL

101710

*** TOOL DIAGRAM *** CONV

WELL NAME: Chatham "B" #1

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

TICKET No. 9434 D.S.T. No. 1 DATE 09/12/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
D.P. ANCHOR STND.	Stands	Single	Total

TOTAL ASSEMBLY 58

D.C. ABOVE TOOLS.	Stands	Single	Total
D.P. ABOVE TOOLS.	Stands	Single	Total 2997

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3055

TOTAL DEPTH 3037

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB	2979
C.O. SUB	2985
S.I. TOOL	2990
HMV	
JARS N/A	
SAFETY JOINT N/A	
PACKER Top	2994
PACKER Bottom	2999
DEPTH 2999	
STUBB	3000
ANCHOR	
AK-1 recorder	3004
perf	
T.C. DEPTH	
AK-1 recorder	3032
BULLNOSE 5' bull plug	
T.D.	3037

RELEASER

MAR 2 1998

FROM CONFIDENTIAL

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ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc
WELL NAME: Chatham "B" #1
LOCATION : 34-9S-12W, Osborne Cty KS
INTERVAL : 3041.00 To 3060.00 ft

DATE 09/13/96

KB 1794.00 ft TICKET NO: 9435 DST #2
GR 1789.00 ft FORMATION: Lansing "B"
TD 3060.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA
PF 30	Rec.	24174	24174	10992			PF Fr. 0638 to 0708 hr
SI 30	Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 0708 to 0738 hr
SF 30	Clock(hrs)	12	12	12			SF Fr. 0738 to 0808 hr
FS 30	Depth(ft)	3046.0	3046.0	3057.0	0.0	0.0	FS Fr. 0808 to 0838 hr

	Field	1	2	3	4	
A. Init Hydro	1439.0	1433.0	0.0	0.0	0.0	T STARTED 0450 hr
B. First Flow	37.0	16.0	0.0	0.0	0.0	T ON BOTM 0636 hr
B1. Final Flow	37.0	6.0	0.0	0.0	0.0	T OPEN 0638 hr
C. In Shut-in	721.0	690.0	0.0	0.0	0.0	T PULLED 0838 hr
D. Init Flow	37.0	18.0	0.0	0.0	0.0	T OUT 0940 hr
E. Final Flow	37.0	18.0	0.0	0.0	0.0	
F. Fl Shut-in	613.0	608.0	0.0	0.0	0.0	
G. Final Hydro	1439.0	1421.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	1700.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	58000.00 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	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3059.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
5.00 ft of Mud w/ oil specks

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

BLOW DESCRIPTION

Initial Flow -
No blow

Final Flow -

Dead blow, flushed tool, surface blow
died in 10 minutes

SAMPLES:
SENT TO:

FROM CONFIDENTIAL

Test Successful: Y

KUU
OCT 22
CONFIDENTIAL

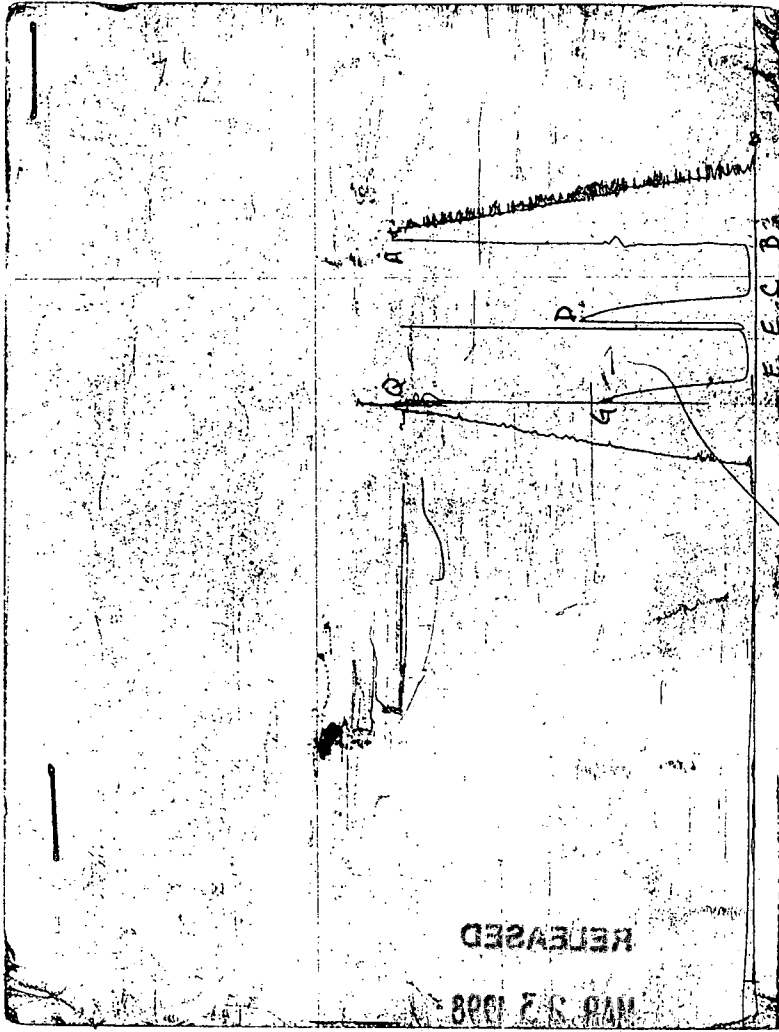
MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	40.00 S/L
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 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	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	
Unit #	
Pump T.	

RELEASED

MAR 23 1998

CHART PAGE



FROM CONFIDENTIAL

This is a photocopy of the actual AK-1 recorder chart

ALLIED CEMENTING CO., INC.

6781

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

CONFIDENTIAL ORIGINAL

SERVICE POINT:

DATE <u>9-13-96</u>	SEC <u>34</u>	TWP. <u>9</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION <u>10:10 PM</u>	JOB START <u>10:20 PM</u>	JOB FINISH <u>12:00 AM</u>
LEASE <u>Chatham</u>	WELL # <u>B-1</u>	LOCATION <u>Luvay 5 N 3 E 2 E N</u>			COUNTY <u>Osborne</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Shieldy Drly

TYPE OF JOB plug

HOLE SIZE 7 7/8 T.D. 3100

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER _____

CEMENT

AMOUNT ORDERED 175 @ 6% gel

COMMON	<u>105</u>	@	<u>610</u>	<u>640.50</u>
POZMIX	<u>70</u>	@	<u>315</u>	<u>220.50</u>
GEL	<u>9</u>	@	<u>950</u>	<u>85.50</u>
CHLORIDE		@		
MAR 23 1998				
FROM CONFIDENTIAL				
HANDLING		@	<u>1.05</u>	<u>183.75</u>
MILEAGE	<u>32</u>	@	<u>04</u>	<u>224.00</u>

EQUIPMENT

153 Dave

PUMP TRUCK CEMENTER _____

HELPER Paul

BULK TRUCK _____

DRIVER _____

BULK TRUCK _____

160 DRIVER Jason

NOV

OCT 22

CONFIDENTIAL SERVICE

TOTAL 1354.25

REMARKS:

20 sk @ 880

80 sk @ 640

40 sk @ 260

10 @ 40 w/ plug

12 mouse hole

15 Rathole

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>32</u>	@	<u>285</u>	<u>91.20</u>
PLUG	<u>8 5/8 wood</u>	@		<u>23.00</u>
		@		
		@		

CHARGE TO: Russell Oil Inc

STREET P.O. Box 2724

CITY Russell STATE Ks 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 Henry Dinkel

ALLIED CEMENTING CO., INC. 6900

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

ORIGINAL

SERVICE POINT: Russell

DATE <u>9-8-96</u>	SEC. <u>34</u>	TWP. <u>9</u>	RANGE <u>12</u>	CALLED OUT <u>1:15 PM</u>	ON LOCATION <u>1:45 PM</u>	JOB START <u>3:15 PM</u>	JOB FINISH <u>3:45 PM</u>
LEASE <u>CHATHAM</u> WELL # <u>B-1</u>			LOCATION <u>LURAY 5N 2 1/2 E 2 1/4 N 1/4 E</u>		COUNTY <u>OSAGE</u>	STATE <u>KANSAS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONFIDENTIAL

CONTRACTOR SHIELDS DRILL RIG #2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 215

CASING SIZE 8 5/8 DEPTH 212

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15' 13 BBL

PERFS _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 SK 6902 27664
3% CC

COMMON	<u>90 @ 6.10</u>	<u>549.00</u>
POZMIX	<u>60 @ 3.15</u>	<u>189.00</u>
GEL	<u>3 @ 9.50</u>	<u>28.50</u>
CHLORIDE	<u>5 @ 28.00</u>	<u>140.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING	@ <u>105</u>	<u>157.50</u>
MILEAGE <u>32</u>	<u>04</u>	<u>192.00</u>
<u>KUL</u>		
TOTAL		<u>1256.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Will

177 HELPER Will

BULK TRUCK

213 DRIVER Jason

BULK TRUCK

_____ DRIVER _____

REMARKS:

Cement CIRCULATED

Shields

CONFIDENTIAL SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>445.00</u>
EXTRA FOOTAGE _____ @ _____	_____
MILEAGE <u>32</u> @ <u>285</u>	<u>91.20</u>
PLUG <u>1-8 5/8 WOODEN</u> @ _____	<u>45.00</u>
_____ @ _____	_____
_____ @ _____	_____
TOTAL	
<u>581.20</u>	

CHARGE TO: Russell Oil Inc.

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 Burton Beery