

KCC

NOV 20 2000

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Release

MAY 05 2004

From Confidential

Operator: License # 3293  
Name: Russell Oil, Inc.  
Address: PO Box 2410  
City/State/Zip: Edmond, OK 73083  
Purchaser: Cooperative Refining, LLC  
Operator Contact Person: LeRoy Holt II  
Phone: (405) 844-8424  
Contractor: Name: Shields Oil Producers, Inc.  
License: 5184  
Wellsite Geologist: Todd Morgenstern

API No. 15 - 185-231040000  
County: Stafford  
C. NW-NE-SW Sec. 30 Twp. 21 S. R. 11  East  West  
\_\_\_\_\_ feet from (S) / N (circle one) Line of Section  
1650 feet from E / (W) (circle one) Line of Section

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Duggan Well #: 2  
Field Name: Sandhills  
Producing Formation: Arbuckle  
Elevation: Ground: 1786 Kelly Bushing: 1791  
Total Depth: 3649 Plug Back Total Depth: 3620  
Amount of Surface Pipe Set and Cemented at 549 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 549  
feet depth to surface w/ 325 sx cm.

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

7-24-2000 8-3-2000 8-22-2000  
Spud Date or Date Reached TD Completion Date or Recompletion Date

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CONSERVATION DIVISION  
WICHITA, KS

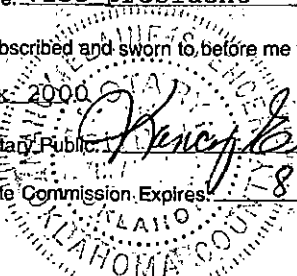
Drilling Fluid Management Plan ALL UP 5-5-04  
(Data must be collected from the Reserve Pit)  
Chloride content 58,000 ppm Fluid volume 320 bbls  
Dewatering method used hauled off by truck  
Location of fluid disposal if hauled offsite:  
Operator Name: Bob's Oil Service, Inc.  
Lease Name: Teichmann SWD License No.: 32408  
Quarter \_\_\_\_\_ Sec. 16 Twp. 22 S. R. 12  East  West  
County: Stafford Docket No.: D-23,722

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: [Signature]  
Title: vice president Date: 12-20-2000  
Subscribed and sworn to before me this 20<sup>th</sup> day of November,  
2000.  
Notary Public: [Signature]  
Date Commission Expires: 8-31-03

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



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Operator Name: Russell Oil, Inc. Lease Name: Duggan  
 Sec. 30 Twp. 21 S. R. 11  East  West County: Stafford

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: Array Induction Micro-Resitivity Compensated Neutron/Density Cement Bond/VDL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Name</td> <td style="width: 15%;">Top</td> <td style="width: 15%;">Datum</td> </tr> <tr> <td>Ahhyd.</td> <td>539</td> <td>+1252</td> </tr> <tr> <td>Topeka</td> <td>2751</td> <td>- 960</td> </tr> <tr> <td>Heebner</td> <td>3045</td> <td>-1254</td> </tr> <tr> <td>Br. Lime</td> <td>3177</td> <td>-1386</td> </tr> <tr> <td>Lansing</td> <td>3200</td> <td>-1409</td> </tr> <tr> <td>BKC</td> <td>3436</td> <td>-1645</td> </tr> <tr> <td>Cong.</td> <td>3470</td> <td>-1679</td> </tr> <tr> <td>Simpson Sd.</td> <td>3512</td> <td>-1721</td> </tr> <tr> <td>Arbuckle .</td> <td>3541</td> <td>-1750</td> </tr> </table>	Name	Top	Datum	Ahhyd.	539	+1252	Topeka	2751	- 960	Heebner	3045	-1254	Br. Lime	3177	-1386	Lansing	3200	-1409	BKC	3436	-1645	Cong.	3470	-1679	Simpson Sd.	3512	-1721	Arbuckle .	3541	-1750
Name	Top	Datum																													
Ahhyd.	539	+1252																													
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Simpson Sd.	3512	-1721																													
Arbuckle .	3541	-1750																													

CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	549'	60/40 poz	325	3% C.C. 2% gel
Production	7 7/8"	5 1/2"	14#	3644'	ASC	175	2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3544-3552'	All 3 sets of perforations communicated. Total treatment over all 3 was: 250 gal. 15% mud acid, and 2750 gal. 15% INS acid.	
4	3560-3566'		
4	3576-3582'		

TUBING RECORD	Size 2 3/8"	Set At 3615	Packer At na	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 8-31-2000		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 15	Gas Mcf 0	Water Bbls. 25	Gas-Oil Ratio Gravity 32°

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled as above

Production Interval

Other (Specify) \_\_\_\_\_





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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil, Inc. DATE 7-31-00  
 WELL NAME: Duggan #2 KB 1791.00 ft TICKET NO: 13281 DST #1  
 LOCATION : 30-21-11 Stafford co KS GR 1786.00 ft FORMATION: Arbuckle  
 INTERVAL : 3490.00 To 3549.00 ft TD 3549.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13254	13254	13248			PF Fr. 0842 to 0927 hr
SI 45 Range(Psi )	4550.0	4550.0	4250.0	0.0	0.0	IS Fr. 0927 to 1012 hr
SF 45 Clock(hrs)	12	12	12			SF Fr. 1012 to 1058 hr
FS 45 Depth(ft )	3497.0	3497.0	3546.0	0.0	0.0	FS Fr. 1058 to 1142 hr

	Field	1	2	3	4	
A. Init Hydro	1799.0	1767.0	0.0	0.0	0.0	T STARTED 0700 hr
B. First Flow	59.0	63.0	0.0	0.0	0.0	T ON BOTM 0838 hr
B1. Final Flow	59.0	68.0	0.0	0.0	0.0	T OPEN 0842 hr
C. In Shut-in	402.0	408.0	0.0	0.0	0.0	T PULLED 1142 hr
D. Init Flow	82.0	80.0	0.0	0.0	0.0	T OUT 1320 hr
E. Final Flow	82.0	74.0	0.0	0.0	0.0	
F. Fl Shut-in	296.0	307.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1705.0	1653.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 54000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.79 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3474.00 ft
						H.W. I.D' 2.70 in
						H.W. Length 442.00 ft

RECOVERY

Tot Fluid 67.00 ft of 0.00 ft in DC and 67.00 ft in DP  
 303.00 ft of Gas in pipe  
 5.00 ft of Oil & gas cut mud  
 0.00 ft of 10% gas 60% oil 30% mud  
 62.00 ft of Oil & gas cut mud  
 0.00 ft of 5% gas 25% oil 70% mud  
 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 building to 2" fair blow.  
 Final Flow:  
 Weak building to 2" fair blow.

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	45.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1030.00 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	Dan Bangle
Co. Rep.	Todd Morgenstern
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

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 KANSAS CORPORATION COMMISSION

NOV 21 2000

CONSERVATION DIVISION  
 WICHITA, KS

SAMPLES:  
 SENT TO:

Test Successful: Y

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Release  
 MAY 05 2004  
 From  
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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil Inc. DATE 7-31-00  
 WELL NAME: Duggan #2 KB 1791.00 ft TICKET NO: 13282 DST #2  
 LOCATION : 30-21-11 Stafford co KS GR 1786.00 ft FORMATION: Arbuckle  
 INTERVAL : 3550.00 To 3557.00 ft TD 3557.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254				PF Fr. 1950 to 2020 hr
SI 60 Range(Psi )	4550.0	4550.0	0.0	0.0	0.0	IS Fr. 2020 to 2120 hr
SF 45 Clock(hrs)	12	12				SF Fr. 2120 to 2205 hr
FS 120 Depth(ft )	3554.0	3554.0	0.0	0.0	0.0	FS Fr. 2205 to 0005 hr

	Field	1	2	3	4	
A. Init Hydro	1822.0	1778.0	0.0	0.0	0.0	T STARTED 1820 hr
B. First Flow	47.0	49.0	0.0	0.0	0.0	T ON BOTM 1945 hr
B1. Final Flow	47.0	44.0	0.0	0.0	0.0	T OPEN 1950 hr
C. In Shut-in	296.0	299.0	0.0	0.0	0.0	T PULLED 0050 hr
D. Init Flow	82.0	72.0	0.0	0.0	0.0	T OUT 0210 hr
E. Final Flow	94.0	77.0	0.0	0.0	0.0	
F. Fl Shut-in	237.0	222.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1764.0	1711.0	0.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 52000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3535.00 ft
						H.W. I.D. 2.70 in
						H.W. Length 442.00 ft

RECOVERY

Tot Fluid 198.00 ft of 0.00 ft in DC and 198.00 ft in DP  
 620.00 ft of Gas in pipe  
 72.00 ft of Clean oil  
 0.00 ft of 100% oil  
 128.00 ft of Heavy oil & gas cut mud  
 0.00 ft of 20% gas 60% oil 20% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 32.00

BLOW DESCRIPTION

Initial Flow:  
 Strong bottom of bucket in 16 minutes.  
 Initial Shut-in:  
 Bled off blow blow came back built to 1/2".  
 Final Flow:  
 Strong bottom of bucket in 16 minutes  
 Final Shut-In:  
 Bled off blow- blow came back- built to 1/2".

SAMPLES:  
SENT TO:

MUD DATA-----	Chemical
Mud Type	
Weight	9.40 lb/c:
Vis.	50.00 S/L
W.L.	11.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1050.00 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	Dan Bangle
Co. Rep.	Todd Moxgenstern
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

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CONSERVATION DIVISION  
WICHITA, KS

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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil, Inc.  
WELL NAME: Duggan #2  
LOCATION : 30-21-11 Stafford co KS  
INTERVAL : 3559.00 To 3566.00 ft

DATE 8-1-00  
KB 1791.00 ft TICKET NO: 13283 DST #3  
GR 1786.00 ft FORMATION: Arbuckle  
TD 3566.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13254	13254				PF Fr. 1015 to 1100 hr
SI 45 Range(Psi )	4550.0	4550.0	0.0	0.0	0.0	IS Fr. 1100 to 1145 hr
SF 45 Clock(hrs)	12	12				SF Fr. 1145 to 1230 hr
FS 90 Depth(ft )	3563.0	3563.0	0.0	0.0	0.0	FS Fr. 1230 to 1400 hr

	Field	1	2	3	4	
A. Init Hydro	1834.0	1775.0	0.0	0.0	0.0	T STARTED 0835 hr
B. First Flow	3E.0	29.0	0.0	0.0	0.0	T ON BOTM 1010 hr
B1. Final Flow	47.0	40.0	0.0	0.0	0.0	T OPEN 1015 hr
C. In Shut-in	48E.0	482.0	0.0	0.0	0.0	T PULLED 1400 hr
D. Init Flow	5E.0	40.0	0.0	0.0	0.0	T OUT 1540 hr
E. Final Flow	71.0	48.0	0.0	0.0	0.0	
F. Fl Shut-in	651.0	643.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	174C.0	1703.0	0.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	C	O				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 52000.00 lbs

RECOVERY

Tot Fluid 72.00 ft of 0.00 ft in DC and 72.00 ft in DP  
 360.00 ft of Gas in pipe  
 10.00 ft of Clean oil  
 0.00 ft of 100% oil  
 62.00 ft of Mud cut gassy oil  
 0.00 ft of 25% gas 55% oil 20% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

TOOL DATA-----  
 Tool Wt. 800.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 60000.00 lbs  
 Initial Str Wt 52000.00 lbs  
 Unseated Str Wt 52000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.78 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3544.00 ft  
 H.W. I.D 2.70 in  
 H.W. Length 442.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 32.00

BLOW DESCRIPTION

Initial Flow:  
Weak building to 2"  
Final Flow:  
Weak building to 4" fair blow.

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MUD DATA-----

Mud Type Chemical  
 Weight 9.40 lb/c  
 Vis. 42.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 109.00 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 Dan Bangle  
 Co. Rep. Todd Morgenstern  
 Contr. Shields  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
SENT TO:

Test Successful: Y

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CONSERVATION DIVISION  
WICHITA, KS

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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil, Inc.  
WELL NAME: Duggan #2  
LOCATION : 30-21-11 Stafford co KS  
INTERVAL : 3571.00 To 3585.00 ft

DATE 8-2-00  
KB 1791.00 ft TICKET NO: 13284 DST #4  
GR 1786.00 ft FORMATION: Arbuckle  
TD 3585.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254	3024			PF Fr. 0005 to 0035 hr
SI 60 Range(Psi )	4550.0	4550.0	4995.0	0.0	0.0	IS Fr. 0035 to 0135 hr
SF 45 Clock(hrs)	12	12	elect			SF Fr. 0135 to 0220 hr
FS 120 Depth(ft )	3582.0	3582.0	3573.0	0.0	0.0	FS Fr. 0220 to 0420 hr

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	Field	1	2	3	4	
A. Init Hydro	1810.0	1778.0	1773.0	0.0	0.0	T STARTED 2206 hr
B. First Flow	47.0	49.0	26.0	0.0	0.0	T ON BOTM 0002 hr
B1. Final Flow	59.0	62.0	64.0	0.0	0.0	T OPEN 0005 hr
C. In Shut-in	827.0	839.0	833.0	0.0	0.0	T PULLED 0420 hr
D. Init Flow	82.0	89.0	69.0	0.0	0.0	T OUT 0625 hr
E. Final Flow	94.0	96.0	94.0	0.0	0.0	
F. Fl Shut-in	863.0	862.0	868.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1693.0	1689.0	1679.0	0.0	0.0	Tool Wt. 900.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 52000.00 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 3567.00 ft
						H.W. I.D 2.25 in
						H.W. Length 442.00 ft

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RECOVERY

Tot Fluid 196.00 ft of 0.00 ft in DC and 196.00 ft in DP  
484.00 ft of Gas in pipe  
134.00 ft of Clean oil  
62.00 ft of Mud & gas cut oil  
0.00 ft of 30% gas 60% oil 10% mud  
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 28.00

BLOW DESCRIPTION

Initial Flow:  
Weak-building to 5" fair blow  
Initial Shut-In:  
Bled off blow-blow came back  
weak steady surface.  
Final Flow:  
Weak building to strong bottom of  
bucket in 18 minutes.  
Final Shut-In:  
Bled off blow-blow came back  
weak steady surface

SAMPLES:  
SENT TO:

Test Successful: Y

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MUD DATA-----	
Mud Type	Chemical
Weight	9.40 lb/c
Vis.	42.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	105.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Dan Bangle
Co. Rep.	Todd Morgenstern
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

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CONSERVATION DIVISION  
WICHITA, KS

Release  
MAY 05 2004  
From  
Confidential



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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil, Inc.  
WELL NAME: Duggan #2  
LOCATION : 30-21-11 Stafford co KS  
INTERVAL : 3590.00 To 3597.00 ft

DATE 8-2-00  
KB 1791.00 ft TICKET NO: 13285 DST #5  
GR 1786.00 ft FORMATION: Arbuckle  
TD 3597.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec. 3024					PF Fr. 1403 to 1433 hr
SI 45	Range(Psi ) 4995.0	0.0	0.0	0.0	0.0	IS Fr. 1433 to 1518 hr
SF 30	Clock(hrs) elect					SF Fr. 1518 to 1548 hr
FS 45	Depth(ft ) 3593 0	0.0	0.0	0.0	0.0	FS Fr. 1548 to 1633 hr

	Field	1	2	3	4	
A. Init Hydro	1757.0	0.0	0.0	0.0	0.0	T STARTED 1229 hr
B. First Flow	18.0	0.0	0.0	0.0	0.0	T ON BOTM 1400 hr
B1. Final Flow	25.0	0.0	0.0	0.0	0.0	T OPEN 1403 hr
C. In Shut-in	825.0	0.0	0.0	0.0	0.0	T PULLED 1633 hr
D. Init Flow	26.0	0.0	0.0	0.0	0.0	T OUT 1800 hr
E. Final Flow	33.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	697.0	0.0	0.0	0.0	0.0	
G. Final Hydro	1769.0	0.0	0.0	0.0	0.0	
Inside/Outside	I	0	0			

RECOVERY

Tot Fluid 20.00 ft of #.00 ft in DC and 20.00 ft in DP  
 20.00 ft of Mud cut water  
 0.00 ft of 50% water 50% 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 23000.00 P.P.M. A P.I. Gravity 0.00

TOOL DATA-----  
 Tool Wt. 800.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 60000.00 lbs  
 Initial Str Wt 52000.00 lbs  
 Unseated Str Wt 52000.00 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 3595.00 ft  
 H.W. I.D 2.25 in  
 H.W. Length 442.00 ft

BLOW DESCRIPTION

Initial Flow:  
Weak died in 27 minutes.  
  
 Final Flow:  
No blow.

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/c  
 Vis. 45.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.00 in  
 Mud Drop N  
  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 103.00 F  
 Hole Condition Good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Dan Bangle  
 Co. Rep. Todd Morgenstern  
 Contr. Shields  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
SENT TO:

Test Successful: Y

KCC

NOV 20 2000

CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

NOV 21 2000

CONSERVATION DIVISION  
WICHITA, KS

Release  
MAY 01  
From  
Confidential

11-20-2001

**Russell Oil, Inc.**

Release

**CONFIDENTIAL**

MAY 03 2004

From

P.O. Box 2410  
Edmond, Oklahoma 73083  
U.S.A.

Phone 405.844.8424  
Fax 405.844.9343  
Email [Russoil@mmcable.com](mailto:Russoil@mmcable.com)

**RECEIVED**  
KANSAS CORPORATION COMMISSION

NOV 21 2000

December 20, 2000

CONSERVATION DIVISION  
WICHITA, KS

KCC

Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market- Room #2078  
Wichita, KS 67202

NOV 20 2000

**CONFIDENTIAL**

RE: Form ACO-1  
Duggan #2 API #15-185-23104000  
Sec. 30-21S-11W Stafford County

Attention:

Please find enclosed the completed ACO-1 form for the above captioned well. Please find enclosed also 2 photocopies of Form ACO-1 and the original electric logs and a copy of the geologists report as required. Please note the Form AC-1 is provided within the 120 days of spudding said well.

**It is our desire to have you hold confidential page 2 (and attachments thereto) of this for as well as the electric logs and geologists report for the 12 month period allowed by law.**

We understand any request for confidentiality beyond this 12 month period must be in accordance to rule 83-3-107.

Your kind attention to this matter is appreciated. Please direct and questions regarding this Form ACO-1 or the request for confidentiality to my attention at the address of the letterhead above.

Sincerely,



LeRoy Holt II  
Vice president

LH/jah