

Kansas Corporation Commission Oil & Gas Conservation Division

1060310

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY	
Letter of Confidentiality Received	
Date:	
Confidential Release Date:	
Wireline Log Received	
Geologist Report Received	
UIC Distribution	
ALT I II Approved by: Date:	

Side Two



Operator Name:			Lease	Name:			Well #:		
Sec Twp	S. R	East West	County	/:					
INSTRUCTIONS: Show time tool open and close recovery, and flow rates ine Logs surveyed. Atta	ed, flowing and shut- if gas to surface tes	in pressures, whether t, along with final char	shut-in pres	sure reach	ed static level,	hydrostatic press	sures, bottom h	ole tempe	erature, fluid
Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		Log	Formation	n (Top), Depth an	d Datum	□ s	ample
Samples Sent to Geolog	,	☐ Yes ☐ No		Name			Тор	D	atum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)		Yes No Yes No							
List All E. Logs Run:									
		CASIN Report all strings se	G RECORD	New	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei	ight	Setting Depth	Type of Cement	# Sacks Used		nd Percent
	Diffied	Set (III O.D.)	LDS.	/ I t.	Берш	Cement	Osed	Ac	luitives
		ADDITION	AL CEMENTI	NG / SQUE	EZE RECORD				
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks	s Used		Type and F	Percent Additives		
Plug Off Zone									
Shots Per Foot	PERFORATIO Specify Fo	N RECORD - Bridge Plootage of Each Interval P	ugs Set/Type erforated			cture, Shot, Cement nount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:	Packer A	At:	Liner Run:	Yes No			
Date of First, Resumed Pr	roduction, SWD or ENH	R. Producing Me	ethod:	ng Ga	as Lift	ther (Explain)			
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf	Water	Bk	ols. (Gas-Oil Ratio		Gravity
DISPOSITION	N OF GAS:		METHOD OF				PRODUCTIO	ON INTERV	AL:
Vented Sold	Used on Lease	Open Hole	Perf.	Dually C (Submit AC		nmingled mit ACO-4)			
(If vented, Subm	nit ACO-18.)	Other (Specify)							

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	A-R Unit 1
Doc ID	1060310

All Electric Logs Run

MICRORESISTIVITY
DUAL COMPENSATED POROSITY
DUAL INDUCTION
COMPUTER PROCESSED INTERPRETATION
SECTOR BOND LOG

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	A-R Unit 1
Doc ID	1060310

Tops

Name	Тор	Datum
TOP ANHYDRRITE	938	+984
BASE ASNHYDRITE	971	+951
ТОРЕКА	2850	-928
HEEBNER	3079	-1157
TORONTO	3097	-1175
DOUGLAS	3112	-1190
LANSING	3142	-1220
STARK	3336	-1414
ВКС	3370	-1448
ARBUCKLE	3396	-1474

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

July 27, 2011

LEROY HOLT Russell Oil, Inc. PO BOX 8050 EDMOND, OK 73083

Re: ACO1 API 15-009-25534-00-00 A-R Unit 1 NW/4 Sec.01-16S-15W Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, LEROY HOLT



Russell Oil, Inc. A-R Unit #1

PO Box 8050

Edmond,OK. 73083 Job Ticket: 42850 **DST#:1**

1-16s-15w-Barton

Jason McLemore

1916.00 ft (CF)

54

Tester:

Unit No:

ATTN: Steve Murphy Test Start: 2011.04.25 @ 08:17:30

GENERAL INFORMATION:

Formation: "B-C"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole

Time Tool Opened: 10:20:30 Time Test Ended: 13:21:15

Interval: 3156.00 ft (KB) To 3186.00 ft (KB) (TVD) Reference Elevations: 1922.00 ft (KB)

Total Depth: 3186.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 6.00 ft

ble blatteter. 7.00 inchest ble condition. Good RB to Gryon. 0.00 in

Serial #: 8673 Inside

Press@RunDepth: 18.51 psig @ 3158.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2011.04.25
 End Date:
 2011.04.25
 Last Calib.:
 2011.04.25

 Start Time:
 08:17:32
 End Time:
 13:21:15
 Time On Btm:
 2011.04.25 @ 10:20:15

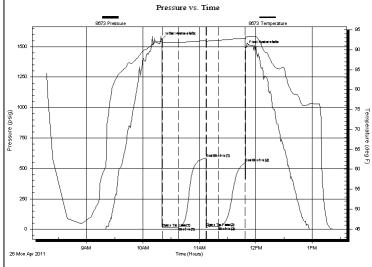
Time Off Btm: 2011.04.25 @ 11:49:15

TEST COMMENT: IFP-Weak Blow ,Built to 3/4"

ISI-Dead

FFP-Weak Surface Blow

FSI-Dead



PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1559.25	92.23	Initial Hydro-static
	1	15.95	91.72	Open To Flow (1)
	18	18.51	91.86	Shut-In(1)
	47	584.65	92.26	End Shut-In(1)
	48	19.48	92.01	Open To Flow (2)
	61	20.62	92.42	Shut-In(2)
	89	546.67	92.85	End Shut-In(2)
,	89	1490.58	93.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Spots,less than 1%O	0.02
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Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 42850 Printed: 2011.04.25 @ 14:58:16 Page 1



FLUID SUMMARY

ppm

Russell Oil,Inc. A-R Unit #1

PO Box 8050 1-16s-15w-Barton

Edmond, OK. 73083 Job Ticket: 42850 DST#: 1

Serial #:

ATTN: Steve Murphy Test Start: 2011.04.25 @ 08:17:30

Mud and Cushion Information

Cushion Type: Mud Type: Gel Chem Oil API: deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: $6.80 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 3900.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud W/Oil Spots,less than 1%O	0.025

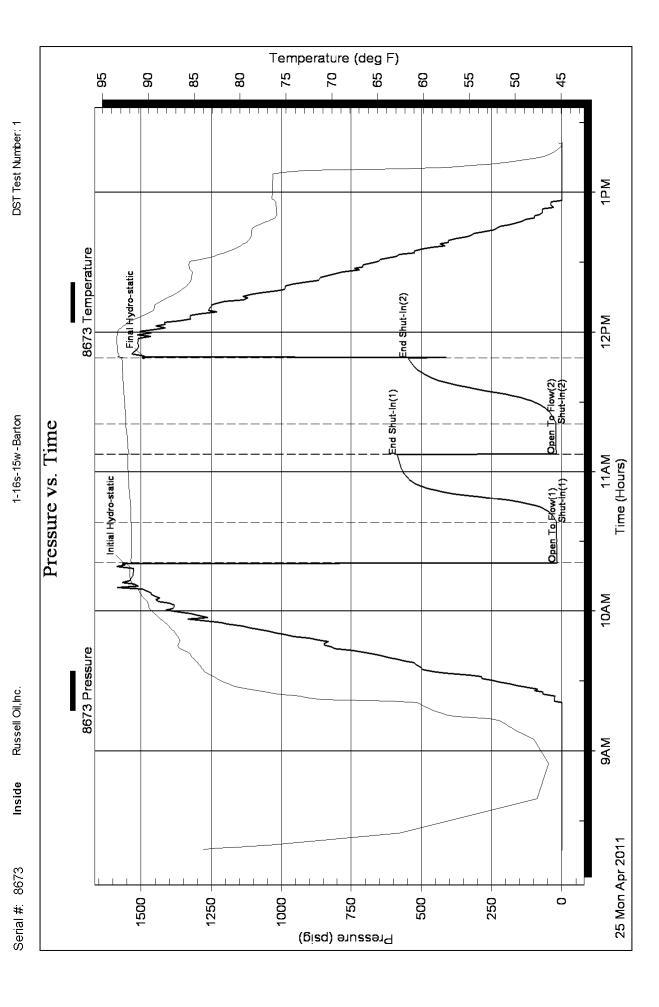
Total Volume: 0.025 bbl Total Length: 5.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 42850 Printed: 2011.04.25 @ 14:58:17 Page 2



Page 3

Printed: 2011.04.25 @ 14:58:18

42850

Ref. No:

Trilobite Testing, Inc



Russell Oil,Inc. A-R Unit #1

PO Box 8050 1-16s-15w-Barton

Edmond,OK. 73083 Job Ticket: 42376 **DST#:2**

ATTN: Steve Murphy Test Start: 2011.04.26 @ 00:29:23

Tester:

Unit No:

Jason McLemore

54

GENERAL INFORMATION:

Formation: E-F-G

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole

Time Tool Opened: 02:02:53
Time Test Ended: 05:57:23

Interval: 3206.00 ft (KB) To 3236.00 ft (KB) (TVD) Reference Elevations: 1922.00 ft (KB)

Total Depth: 3236.00 ft (KB) (TVD) 1916.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 6.00 ft

Serial #: 8673 Inside

Press @ RunDepth: 25.93 psig @ 3208.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2011.04.26
 End Date:
 2011.04.26
 Last Calib.:
 2011.04.26

 Start Time:
 00:29:25
 End Time:
 05:57:23
 Time On Btm:
 2011.04.26 @ 02:02:38

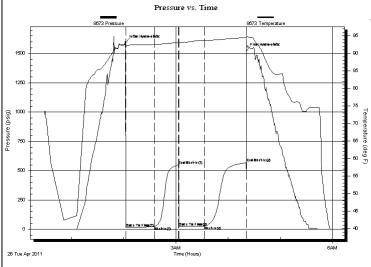
Time Off Btm: 2011.04.26 @ 04:21:23

TEST COMMENT: IFP-Weak Blow ,Built to 1"

ISI-Dead

FFP-Weak Surface Blow

FSI-Dead



PRESSURE SUMMARY Annotation Time Pressure Temp (Min.) (psig) (deg F) 0 1597.59 92.74 Initial Hydro-static 14.55 91.80 Open To Flow (1) 1 Shut-In(1) 33 21.30 92.57 61 550.30 93.10 End Shut-In(1) 23.15 92.88 Open To Flow (2) 61 25.93 Shut-In(2) 91 93.76 End Shut-In(2) 139 568.59 94.54 1526.14 94.93 Final Hydro-static 139

Cac Datas

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02
	-	•

Oas Nai	C3	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 42376 Printed: 2011.04.26 @ 08:35:16 Page 1



FLUID SUMMARY

Russell Oil,Inc. A-R Unit #1

PO Box 8050 1-16s-15w-Barton

Edmond,OK. 73083 Job Ticket: 42376 **DST#:2**

ATTN: Steve Murphy Test Start: 2011.04.26 @ 00:29:23

Serial #:

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:61.00 sec/qtCushion Volume:bbl

Viscosity:61.00 sec/qtCushion Volume:blWater Loss:6.79 in³Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3900.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.025

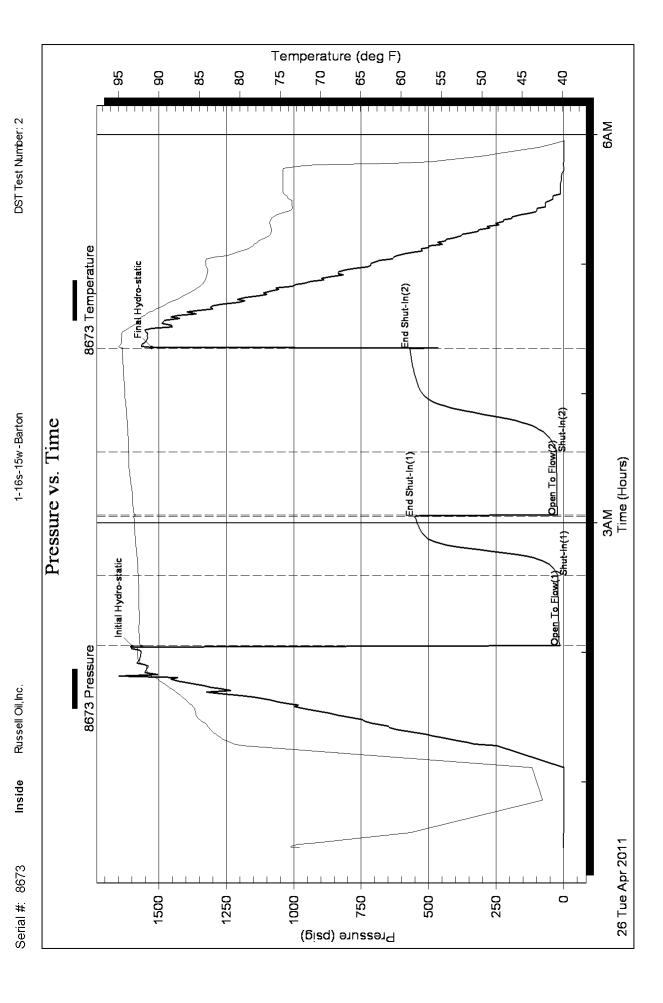
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 42376 Printed: 2011.04.26 @ 08:35:17 Page 2



Printed: 2011.04.26 @ 08:35:17 42376 Ref. No:

Trilobite Testing, Inc

Page 3



Russell Oil,Inc. A-R Unit #1

PO Box 8050 1-16s-15w-Barton

Edmond,OK. 73083 Job Ticket: 42377 **DST#:3**

Tester:

Unit No:

Jason McLemore

1916.00 ft (CF)

54

ATTN: Steve Murphy Test Start: 2011.04.26 @ 15:41:22

GENERAL INFORMATION:

Formation: H-I

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole

Time Tool Opened: 17:54:07
Time Test Ended: 23:16:07

Interval: 3276.00 ft (KB) To 3310.00 ft (KB) (TVD) Reference Elevations: 1922.00 ft (KB)

Total Depth: 3310.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 6.00 ft

Serial #: 8673 Inside

Press@RunDepth: 143.98 psig @ 3282.00 ft (KB) Capacity: 8000.00 psig

Time

 Start Date:
 2011.04.26
 End Date:
 2011.04.26
 Last Calib.:
 2011.04.26

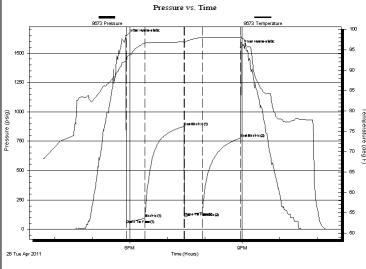
 Start Time:
 15:41:24
 End Time:
 23:16:07
 Time On Btm:
 2011.04.26 @ 17:53:52

 Time Off Btm:
 2011.04.26 @ 20:57:37

TEST COMMENT: IFP-Strong, BOB in 2 Min.

ISI-Blow back Built to 8" FFP-Strong, BOB in 3 Min.

FSI-Blow back Built to BOB in 15 Min.



	(Min.)	(psig)	(deg F)	
	0	1644.15	92.22	Initial Hydro-static
	1	42.43	91.45	Open To Flow (1)
	30	96.46	96.68	Shut-In(1)
_	93	876.45	96.95	End Shut-In(1)
Temperature	94	107.65	96.61	Open To Flow (2)
rature	123	143.98	98.06	Shut-In(2)
(deq	183	777.99	98.04	End Shut-In(2)
J	184	1549.60	98.35	Final Hydro-static

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOCMW-1%O-89%W-10%M	0.30
120.00	Free Oil	1.17
70.00	Gassy,Frothy Oil-70%G-30%O	0.98
60.00	MCO-60%O-40%M	0.84
0.00	1185' Gas In Pipe	0.00

Gas Rat	tes		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)	

Trilobite Testing, Inc Ref. No: 42377 Printed: 2011.04.27 @ 08:34:51 Page 1



FLUID SUMMARY

Russell Oil,Inc. A-R Unit #1

PO Box 8050 1-16s-15w-Barton

Edmond,OK. 73083 Job Ticket: 42377 **DST#:3**

ATTN: Steve Murphy Test Start: 2011.04.26 @ 15:41:22

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 41 deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 92000 ppm

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 6.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3900.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCMW-1%O-89%W-10%M	0.295
120.00	Free Oil	1.173
70.00	Gassy,Frothy Oil-70%G-30%O	0.982
60.00	MCO-60%O-40%M	0.842
0.00	1185' Gas In Pipe	0.000

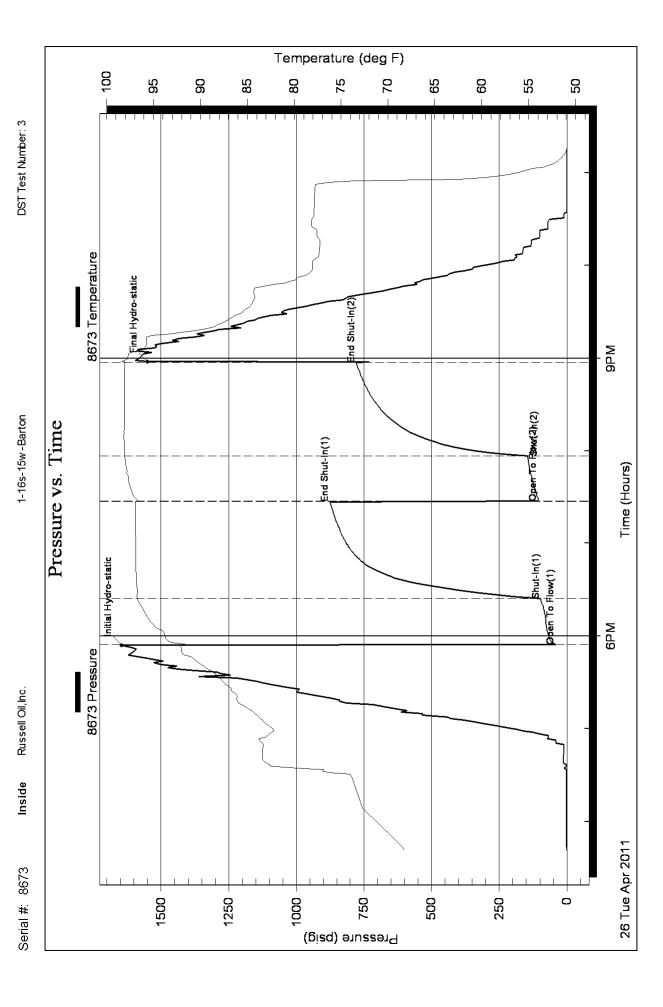
Total Length: 310.00 ft Total Volume: 3.292 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

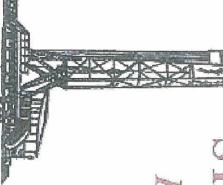
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 42377 Printed: 2011.04.27 @ 08:34:52 Page 2



Page 3 Printed: 2011.04.27 @ 08:34:52 42377 Ref. No: Trilobite Testing, Inc



STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

620,639,3030

Fax 785,387,2400

geomurphy@gbta.net Otis, Kansas 67565 RR#1, Box 69

Scale 1:240 (5"=100") Imperial Measured Depth Log

Well Name: Location: AR Unit #1 Barton County API #15-009-25534-00-00

License Number:

Surface Coordinates: Spud Date:

Drilling Completed:

Region: Kansas

4/28/11

2700' FSL & 2310' FWL (S/2 SE SE NW) Section 1-Township 16 South-Range 15 West

Bottom Hole Coordinates: Vertical well with minimal deviation, same as above

Total Depth (ft): RTD-3500' LTD-3501'

To: TD

Logged Interval (ft): 2800'

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com Type of Drilling Fluid: Chemical (Mudco - Gary Schmidtberger, Mud Engineer) Formation: Topeka thru Arbuckle

ROTARE9O

Address: P.O. Box 8050 Company: Russell Oil, Inc.

GEOLOGIST

Company: Consulting Petroleum Geologist (KS License #228) Mame: Steven P. Murphy, PG

Otis, KS 67565 Address: 3365 County Rd 390

Cell Phone No: 620-639-3030

LogTops (Datum)

Neutron/Compensated Density, Dual Induction & Microlog. The open-hole logging was performed by Log-Tech (Hays, KS shop). Logs included Compensated

Formation tops and datums from the open-hole logs include the following:

Lansing -3142 (-1220) Douglas - 3112 (-1190) Toronto - 3097 (-1175) (Y&FF-) 9705 - 19ndeeH Topeka - 2850 (-928) (F26+) FT6 - efitbydnA ess8 Top Anhydrite - 938 (+984)

Arbuckle - 3396 (-1474) BKC -3310 (-1448)

Stark - 3336 (-1414)

The following drillstem tests were performed by Jason McLemore w/Trilobite Testing from the Hays, KS shop:

DRILL STEM TESTS #1-3

IF: Wk surf blow built to 3/4", no return 15:30:15:30 DST #1 3156-3186 (LKC "B & C" Zones)

FHP: 1491 6991 dHI Recovery: 5' Mud w/Oil spots FF: Wk surf blow, no return

BHI: 63 F FSIP: 547 FFP: 19-21 385 : 98SI 61-91 :러네

IF: Wk blow built to 1", no return 30:30:30:42 DST #2 3206-3236 (LKC "E, F, G" Zones)

FF: Wk surf blow, no return

HP: 1598 FHP FHP: 1526

FSIP: 569 FFP: 23-26 IFP: 15-21 ISIP: 550

7 36 :THB

09:02:09:02 DST #3 3276-3310 (LKC "H & I" Zones)

IF: BOB in 2 min, 8" return

10, GeA Oil (10% G, 30% O), 120' FO, Recovery: 1185'GIP, 60' MCO (60% O, 40% M), FF: BOB in 3 min, return BOB in 15 min

FHP: 1550 14P: 1644 eo. AZOCWM (1% O' 88% M' 10% W)

Edmund, OK 73083

FFP: 108-144 FSIP: 778

Ght: 98 F Chlorides: 92,000 ppm Rw: 0.136 @ 54 F Chlorides: 92,000 ppm

COMMENTS

The AR Unit #1 was drilled by Southwind Drilling RIg #4 (Tool pusher Robert Stevenson).

Based on the the results of drillstem testing and sample & log analysis, it was recommended that casing be set to produce the Lansing-Kansas City. As a result, 5-1/2" (15.5#) production casing was set six feet (6') feet off bottom.

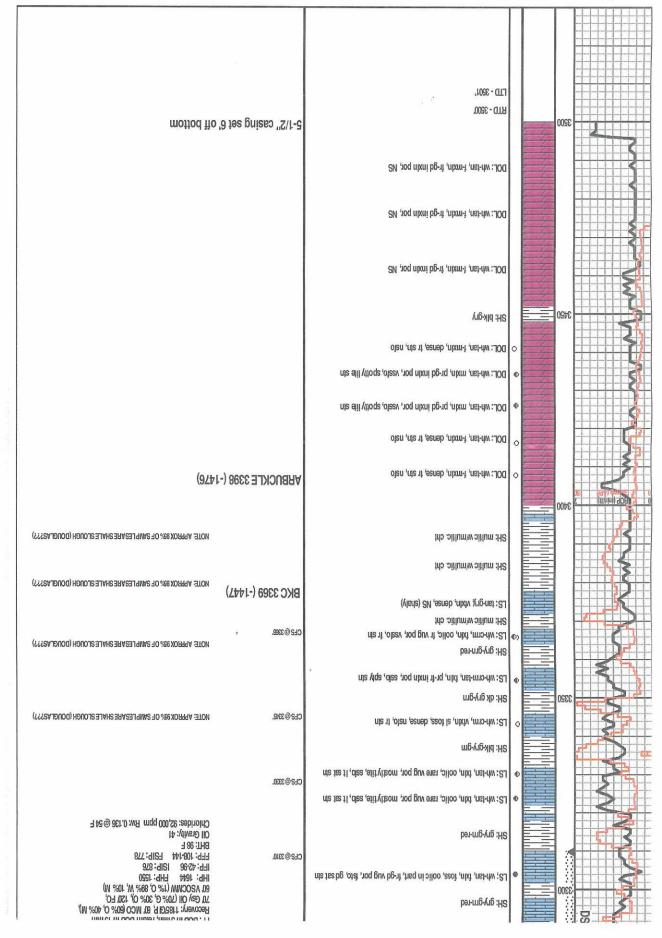
Respectully submitted,

Steven P. Murphy, PG Consulting Petroleum Geologist

FORMATION TOPS & REMARKS: The following are sample formation tops & associated datums (with KB of 1922). Please refer to the main header for electric log tops: Anhydrite: 931 (+991) Anhydrite: 931 (+991) Berigion aurey @ 339 w 375 sacks canent lisplace @ 3565* Berigion aurey @ 772 - 1 degree				<u>5120</u>	
REMARKS	ological Descriptions	Oli Dillows	(golodii.)	Depth	Curve Track 1 ROP (min/ti) Gamma (API)
\AL EVENT		Des Des		р	OIL SHOW
Lmst Shcol Meta Shist Salt Salt Salt Sa	Dol ETT	0.0000		J91	
	7		(82	2# €	(KS Licence

LS: crm-lt brn, fxln, pr-fr inxin & ppt por, ssfo, spty stn, sl odor LS: crm-gry, fxln, foss, pr inxin & ppt por, nsfo, tr stn, no odor LS: crm-tan-gry, vixin, dense, foss, si chalky, NS LS & SH: as above wigrn vig sat SH: plk-dul LS & SH: as above LS: tan-gry, vixin, dense, NS (with abund blk-gry-red SH) LS: wh-gry, vixin, dense, NS SH: Guh LS: crm-tan-gry, vixin, dense, foss, NS гн: рүк-диу-дии SH: PIK LS: crm-brn-gry, víxin, dense, si chalky, NS LS: crm-brn-gry, vixin, dense, si chalky, NS LS: crim-tan-gry, vixin, dense, assoc bik cht, NS LS & SH: as above LS: as above wrabund gry sh LS: crm-gry, víxin, si foss, dense, NS LS: crm-gry, víxln, si foss, dense, NS TOPEKA 2851 (-929) SH: Gu SH: GLA brisod of griol '04.1') 1# T2G - '0715 @ adiq qisht2

DGT #3 3276-3310 (LKC "H & I" Zones) 30:60:30:60 IF: BOB in 2 min, 8" return	CE2 © 3580	LS: cmm-tan, fixin, foss, fr inxin & vug por, ssfo, gd set sin		3 8
		SH: plk-div-ted		
	at a second	LS: wh-tan, vixin, dense, al chailey, NS (abund gry-grn shale)		
		LS: wh-tan, vixin, dense, sl chalky, NS (abund gry-gm shale)		
		LS: wh-tan, vita'n, dense, sl chalky, NS (abund gry-gm shale)		3520
	CES @ 3538.	LS: whelen, fan, oolic, gd oomold por, NS		
FFP: 23-26 FSIP: 569 BHT: 95 F		LS: wh-orm, fxdn, ool. in pl, fr-gd inxln & ppt por, safe, sat if lestn, frodor w/abund gry-blk shale	•	
FP: 15-15 Section 15-15-15-15-15-15-15-15-15-15-15-15-15-1	CE8@3333.	SH: gry-grn LS: crm-tan, fxln, dense, sl foss, sl challly, nsfo, tr lite even stn, sl odor	1	DST #2
DGT #2 2306-3236 (LICC "B & C" Zones) 15:30:15:30 IF: Wk blow built to 1", no return FF: Wk surf blow, no return	CES®SA	LS & SH: as above, BS		
(2000) 13.4 Gil YV II 4.6 Cil 7200)		u.B-fab. and a special of the fab.		3300
	CE2 @ 3189.	SH: gm-gry-red LS: wh-gry-tan, vhin, al foss, chailly, dense, NS		
FFP: 19-21 FSIP: 547		LS: crm-gry, fxln, foss, ssfo, lite even sin, sl odor	0	
1991 : 4H2 1992 1993 199		LS: wh-tan, vixin, mostly dense, chalky, NS		
IF: Wk surf blow built to 34", no return FF: Wk surf blow, no return Recovery: 5" Mud wf'Oil spole	CE2@31VL	LS: crm-tan, fxln, mostly dense, rare fr inxln por, vssto im fossils, rare even stn, no odor	0	
15:30-16:30 DQT #1 3166-3186 (LIKC "B & C" Zones)		SH: gry-gra-red LS: crm-tan-gry, fxtn, toss, sl challcy, pr-tr inxin por, ssto, fr even sin, sl odor	9	
	CE2@3120.	LS: Wh-tan, Vitain, dense, si challey, NS SH- macara-ved		3120
(519)	r-) tare bnienal	LS: wh-tan, vixin, dense, si chally, NS		
0.00		SH: gry-blk-gm-red		
		SH: gny-blk-gm-red		
	,	SH: gny-blk-gm-red		
	CE2@3110	LS: whiten, vixin, chalky, dense, NS		
(ክፕተ	-) 960£ OTNOROT	LS: wh, vixin, si challey, dense, NS		3100
		SH: gry-grn-red-blk		
		SH: gry-grn-red-blk		
(2311	-) 640E H3NB33H	SH: PIK		
		LS: cm-tan, vfxln, dense, toss, al chally, NS watound multic. shales		
		LS: orm-tan, vixin, dense, sl challoy, NS		
		LS: orm-tan, vixin, dense, at challey, NS		0902
I		Me in a resistant		



Printed from NeuraView 05/02/11

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 and the second response report of the control of

Home Office P.O. Box 32 Russell, KS 67665 No. 5046

THE CONTRACTOR OF THE	Sec.	Twp.	Range	9	ounty	State	On Location	Finish					
Date 4-21-11	16 00/10	16	15	Bar	ten on	K5	AND SCHOLLSPANE	4130m.					
Lease AR Un	+ Harris I	Well No.	nyam arti grai	Location	on Milba	rger 3 Coline	2w /25 Einto	of setropidades					
Contractor South	wind #	4	no tspai mene	etile of to	Owner it is a second of beautiful allower in a control of the cont								
Type Job Surface		ed suid a	of te to "PRV	rómaulo	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish								
Hole Size 12'/4	Andreas a	T.D.	939	AN LETHERY	cementer and helper to assist owner or contractor to do work as listed.								
Csg. 85/8	tun 16 emm	Depth	939	roisium ed	Charge Russell O.								
Tbg. Size	969 B 1275 7770	Depth	EROCHOL EL LIGITIE	DB NO REC	Street Street								
Tool Bas Book at 1	4373	Depth	de shall ented	hip Inemus	City TLIAUD" ni belsil ealbrachner State TXAT CIVA 83 DIEG								
Cement Left in Csg.	33	Shoe	Joint 22	4373	The above w	as done to satisfaction	and supervision of owner	agent or contractor.					
Meas Line		Displa	ce 57B	۷	Cement Am	nount Ordered 37	5 Com 3% CC 29	66ef MOI					
rude ingano per ky	STATE OF THE PARTY	PMENT	icie moli ona c	n lag of to	nens sigeni	papara eusminay y Geografia	TUAUS (626HARO 5	MINOT -					
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No. E	Priver O'Cu Priver	ncen	- water and a	O locio boss	Poz. Mix	HENDER.	rged to and paid by Cl	lide of the Y'll					
No. E	Driver Roa	K	EL VILLERATEUR	anamayka anamayka	Gel.	AUD VAG HIW PEIME	offer material, CUSTC	re nobules tabl					
CONTRACTOR AND ADDRESS OF ASSESSED	B SERVICE	S & REM	ARKS	airit io inb	Calcium /	Baga esimientio se	AUL CHARGES: Unic	HOAJO -					
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\$5/8 SE+B	939 R	cfflere	895.7	>	Sand								
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Signature / al	na la	N-91-2						MUTEL SHIT					



TREATMENT REPORT

Customer S U.S.	ce // 6). / T	ے اہ	Lease No.						Date					
Lease A R	INIT	•		Well#						4	· - 7	8-11			
Field Order #	A Station	OCAH				Casing,	' '	Depth	I	County	BA	Logal De		State	<u>.</u>
Type Job		S	trin	ſ		ر کر	For	mation	3.50	0 ′		Legal De	scription	<u>.</u>	
PIPE	DATA -	\mathcal{O}	•	J NG DATA		FLUID (-			RESUME		
Casing Size	Tubing Size	Shots/Ft		ə 4	Ąęid	34 Su	,00-	Cl.	· la mynny	BATE	PRE	SS	ISIP		
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Max Press	Max Press	From			Frac	5 60	140	P	Avg R	17	40/e	<i>~</i> .	15 M in.		.
Well Connection	Annulus Vol.		<u> </u>	0	3,7			<i></i>	HHP Used				Annulus F	² ressure	•
Plug Depth ·	Packer Dept				Flus	h 50 J	0/0	KU	Gas Volur	ne			Total Load	d	
Customer Repr	esentative) کار در ری	Statio	n Mana	ger S C o	H 4			Trea	iter ${\cal A}$	llon	/		
Service Units		33708	2098	0 JA1	Sou	Brung	rd-	<i>f</i>							
Driver Names		Leeven		.		1010									- Marine
Time	Casing	Tubing Pressure	A	Pumped		Rate				•	Servi	ce Log _ c	South	بدزيها	d # 4
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