



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1151121
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Sec. _____ Twp. _____ S. R. _____ East West

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from North / South Line of Section

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1151121

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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8 Stout P

750' FNL & 1500' FEL

150' E & 90' S of E/2 NW NE Section 6-18S-10W

Rice County, Kansas

API# 15-159-22734-0000

Elevation: 1789' GL, 1798' KB

Sample Tops			Ref. Well
Stotler	2271'	-473	-6
Tarkio	2333'	-535	-1
Topeka	2561'	-763	-6
Queen Hill Shale	2732'	-934	-6
Heebner	2815'	-1017	-6
Toronto	2835'	-1037	-8
Douglas	2859'	-1061	-5
Lansing	2946'	-1148	-8
LKC "G"	3038'	-1240	-12
Muncie Shale	3084'	-1286	-4
Stark Shale	3157'	-1359	-4
Hush. Shale	3195'	-1397	-4
BKC	3217'	-1419	NA
Arbuckle	3223'	-1425	NA
RTD	3225'	-1427	

ALLIED OIL & GAS SERVICES, LLC 056496

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS.

DATE <u>3-27-13</u>	SEC. <u>6</u>	TWP. <u>18</u>	RANGE <u>10</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:00 PM</u>
LEASE <u>Stout</u> WELL # <u>P #8</u> LOCATION <u>Clafin KS. 4E 1/4 S 120</u>						COUNTY <u>Rice</u>	STATE <u>Kansas</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR SOUTHWIND DRIG. Rig #2 OWNER (Bill Sanders)

TYPE OF JOB PRODUCTION STAGING

HOLE SIZE 7 7/8 T.D. 3227

CASING SIZE 5 1/2 DEPTH 3226

TUBING SIZE 15.50# csg. DEPTH

DRILL PIPE DEPTH

TOOL AFEU INSERT DEPTH 3183'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.50

CEMENT LEFT IN CSG. 42.50

PERFS.

DISPLACEMENT 75.75 / BBL

EQUIPMENT

PUMP TRUCK CEMENTER Wayne Davis

366 HELPER Charles Kinyon

BULK TRUCK TX

344-170 DRIVER Ben Nowell

BULK TRUCK

DRIVER

CEMENT

AMOUNT ORDERED 200 SX ASP. 6% Gyp Seal

10% Salt 2% Gel 5# Kol-Seal Per SX,

1/4 of 1% CD-31 w/ 1.4 De Foamer ADIT.

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC 200	@	<u>20.90</u>	<u>4180.00</u>
<u>500 GAL DY-1100</u>	@	<u>1.27</u>	<u>635.00</u>
<u>Kol Seal 1000</u>	@	<u>.98</u>	<u>980.00</u>
<u>CD-31 47</u>	@	<u>10.30</u>	<u>484.00</u>
<u>OF 28</u>	@	<u>9.80</u>	<u>274.40</u>
	@		
	@		
	@		
HANDLING <u>260.17</u>	@	<u>2.48</u>	<u>645.22</u>
MILEAGE <u>11.25 x 19%</u>		<u>2.60</u>	<u>555.22</u>
		TOTAL	<u>7.754.47</u>

REMARKS:

Ran 80 JTS OF NEW 15.50# / 5 1/2 csg.

SET 1FT OFF BOTTOM (3226).

Received CIRCULATION, Drop AFEU BALL

CIRCULATE A TOTAL OF 1 HR. ON Bottom

Pump Flush, Plug Backlog, 30 SX Muesel Hole 155x

Mixed 155 SX Cement down Hole, did NOT

clear-line, Release TRP & Displaced

17 / BBL H₂O hand plug @ 1000 #

AFEU - (HELD)

CHARGE TO: Ritchie Exploration Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>?</u>			
PUMP TRUCK CHARGE <u>2600.47</u>			
EXTRA FOOTAGE	@		
MILEAGE <u>Hum 19</u>	@	<u>7.70</u>	<u>146.00</u>
MANIFOLD <u>Head Rent</u>	@	<u>275.00</u>	<u>275.00</u>
<u>Hum 19</u>	@	<u>4.40</u>	<u>83.60</u>
	@		
		TOTAL	<u>3.105.37</u>

PLUG & FLOAT EQUIPMENT

<u>W Guide Shoe</u>	@	<u>280.80</u>	<u>280.80</u>
<u>W AFEU INSERT</u>	@	<u>334.62</u>	<u>334.62</u>
<u>W 6 - CROTBALIZERS</u>	@	<u>57.33</u>	<u>343.28</u>
<u>W 2 - BASKETS</u>	@	<u>394.29</u>	<u>788.48</u>
<u>IR 1 - T.R.P.</u>	@		
		TOTAL	<u>1.833.28</u>

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME William W. Sanders

SIGNATURE William W. Sanders

Scott M. Beth

SALES TAX (If Any) _____

TOTAL CHARGES 12.693.13

DISCOUNT 3.173.28 IF PAID IN 30 DAYS

9.519.84



ALLIED OIL & GAS SERVICES, LLC 059306

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

Stout P

DATE <u>8-20-13</u>	SEC. <u>6</u>	TWR <u>185</u>	RANGE <u>10W</u>	CALLED OUT <u>3:30 PM</u>	ON LOCATION <u>4:30 PM</u>	JOB START <u>6:40 PM</u>	JOB FINISH <u>7:10 PM</u>
LEASE <u>Area P</u>		WELL # <u>8</u>		LOCATION <u>Clavin</u>		COUNTY <u>Shelby</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Southwind Drilling Inc. OWNER Ritchie Exploration, Inc.

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 329 CEMENT

CASING SIZE 8 5/8 DEPTH 318.62 AMOUNT ORDERED 250 sbs Class A.

TUBING SIZE DEPTH 3% C.C. 2' Gel

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 150 MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 1.272 bbls.

PERFS.

DISPLACEMENT 19.69 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Patrick Helgeson

606 HELPER Charles Kingin

BULK TRUCK

599 DRIVER Kevin Weighas

BULK TRUCK

DRIVER

COMMON 250 @ 17.90 4475.00

POZMIX @

GEL 5 @ 23.40 117.00

CHLORIDE 9 @ 64.00 576.00

ASC @

@

@

@

@

@

@

@

@

HANDLING 270.83 @ 2.48 671.66

MILEAGE 12.35 X 19 @ 2.60 610.09

TOTAL 6449.75

REMARKS:

Pumped 5 bbl water spacer,
Pumped 59.66 bbls cement @ 15.2 fpm,
Displaced with 19.69 bbls of water
and shut in. Spudbed 1.272 bbls of
cement @ bottom of casing approx
20' of fill. Circulated 30 bbls of
cement to surface

SERVICE

DEPTH OF JOB 318.62

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

HVM 19 @ 7.70 146.30

LVM 19 @ 4.40 83.60

TOTAL 1742.15

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 8191.90

DISCOUNT -2,047.98 IF PAID IN 30 DAYS

6,143.92

PRINTED NAME William Sanders

SIGNATURE William Sanders

OR

Ritchie Exploration, Inc.

Ames P No.8

915' FNL and 1825' FWL

75' N and 155' W of S2 NE NW

Sec 6 T18S R10W

Rice County, Kansas

Geological Report

by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name: Ames P No. 8	Time: 3:15 PM
Surface Location: Sec 6 T18S R10W	
Bottom Location: 915' FNL and 1825' FWL	
Well Name: Ames P No. 8	
API: 15-159-22731	
License Number: 4767	
Spud Date: 3/13/2013	Time: 4:32 PM
Region: Rice County, Kansas	
Drilling Completed: 3/18/2013	
Surface Coordinates:	
Bottom Hole Coordinates:	
Ground Elevation: 1790.00ft	
K.B. Elevation: 1799.00ft	
Logged Interval: 2200.00ft	To: 3236.00ft
Total Depth: 3235.00ft	
Formation: Arbuckle	
Drilling Fluid Type: Chemical/Fresh Water Gel	

OPERATOR

Company: Ritchie Exploration, Inc.	Pete Fiorini
Address: 8100 East 22nd Street North, No. 700	316-691-9500
Wichita, Kansas 67278	Ames P No. 8
Contact Geologist: Pete Fiorini	316-691-9500
Contact Phone No: 316-691-9500	API: 15-159-22731
Well Name: Ames P No. 8	Location: Sec 6 T18S R10W
Pool: Oil	Field: Bloomer
State: Kansas	Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 98° 28' 26.469" Latitude: 38° 31' 09.590"
N/S Co-ord:
E/W Co-ord:

CONTRACTOR

Contractor: Southwind Drilling	Time: 3:15 PM
Rig #: 2	Time: 4:32 PM
Rig Type: mud rotary	Time: 6:50 PM
Spud Date: 3/13/2013	
TD Date: 3/18/2013	
Rig Release: 3/19/2013	

ELEVATIONS

K.B. Elevation: 1799.00ft Ground Elevation: 1790.00ft
K.B. to Ground: 9.00ft

NOTES

Date Depth at 7 am Activity
3-13-13 MIRU Spud at 3:15 pm
3-14-13 675 Drilling
3-15-13 2220 Drilling
3-16-13 2812 CB with DST No. 1
3-17-13 3022 TIH after DST No. 2
3-18-13 3218 CFS
3-19-13 3235 Logging
3-20-13 3235 Set 5 1/2"

Surface Casing: 8 5/8" 24# at 353'
Production Casing: 5 1/2" 15.5# at 3234'

Deviation: 354' - 1°, 2812' - 1 1/4°, 3235' - 1°

Bit Record:	Make	Size	Type	Depth In	Depth Out	Hours
JZ	Reed	7 7/8"	HA20Q	353	3218	49 1/2
		7 7/8"	S52	3218	3235	1/2

Drill Stem Tests:
DST No. 1 2748 to 2812 Formation: Leocompton
30-45-45-60
Recovery: 87' Mud
IHP 1326 FHP 1290
IFP 32-46 FFP 46-57
ISIP 692 FSP 664
Temp 95°

DST No. 2 2936 to 3022 Formation: Lansing A, C, D, E, and F zones
30-45-45-60
Recovery: 150' GIP
30' VSOCM (1%O, 99%M)
IHP 1507 FHP 1455
IFP 23-57 FFP 60-64
ISIP 418 FSP 270
Temp 99°

DST No. 3 3015 to 3039 Formation: Lansing F and G zones
30-45-45-60
Recovery: 1225' GIP
98' OGCM (5%O, 20%G, 75%M)
62' OGCMW (5%O, 15%G, 32%M, 48%W - Chi 12,500 ppm)
IHP 1476 FHP 1442
IFP 26-58 FFP 59-95
ISIP 388 FSP 382
Temp 99°

DST No. 4 3076 to 3218 Formation: Lansing H, I, J, K, and L zones
30-45-45-60
Recovery: 150' Mud
IHP 1534 FHP 1506
IFP 23-57 FFP 59-96
ISIP 418 FSP 404
Temp 96°

DST No. 5 3211 to 3235 Formation: Arbuckle
30-45-30-60
Recovery: 150' GIP
90' Oil (39° gravity)
372' MGOCW (5%M, 20%G, 30%W, 45%O)
434' MGOCW (5%M, 20%G, 25%O, 50%W)
992' W (Chlor 30,000 ppm)
IHP 1612 FHP 1540
IFP 129-617 FFP 623-860
ISIP 1048 FSP 1049
Temp 109°

Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3
Stoller	2274	2276	-477	+1	+2	+1
Tarkio	2336	2338	-539	+3	+6	-2
Howard	2482	2483	-684	0	+1	-5
Topeka	2565	2564	-767	-1	+3	-6
King Hill	2660	2662	-863	-1	+1	-6
Queen Hill	2738	2740	-941	-2	-1	-8
Hebner	2825	2824	-1025	-2	0	-8
Toronto	2941	2942	-1043	-1	+4	-9
Douglas	2850	2850	-1051	-1	+5	-6
Brown Lime	2935	2936	-1137	+1	+2	-4
Lansing	2949	2950	-1151	+1	+2	-2
Muncie Creek	3088	3085	-1293	-3	0	+2
Stark	3164	3162	-1366	-1	+1	+1
Hushpuckney	3198	3202	-1403	NL	+2	0
B/Kansas City	3223	3224	-1425	NL	NL	0
Arbuckle	3232	3234	-1435	NL	NL	+1
Total Depth	3235	3236	-1437			

Well 1: Ritchie Exploration, Inc. Ames No. 3 N2 N2 NW Sec 6 T18SS R10W
Well 2: Ritchie Exploration, Inc. Ames P No. 4 N60' FNL and 330' FEL Sec 6 T18S R10W
Well 3: Ritchie Exploration, Inc. Schlicht Trust No. 1 2305' FSL and 660' FEL Sec 6 T18S R10W

Pipe was set to further test the Arbuckle.

Respectfully submitted,
Macklin M. Armstrong

ROCK TYPES

Dolbrn shale, grn Carbon Sh Siltst
Lms1 tw7> shale, gry Sand Silstone

ACCESSORIES

MINERAL
▲ Chert, dark
P Pyrite
◄ Chert White
M Mica

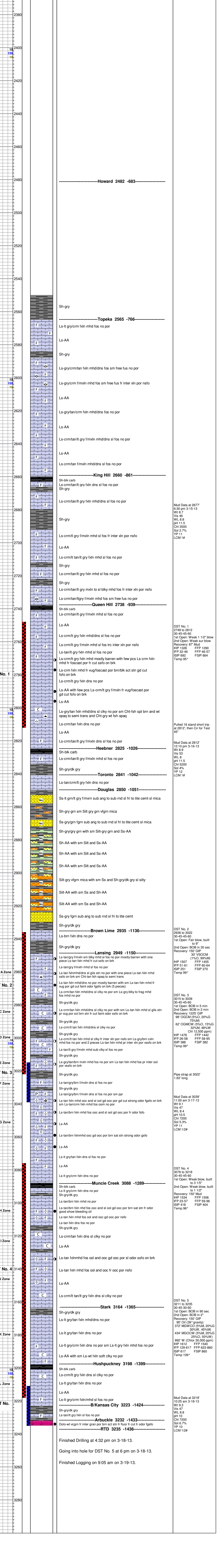
FOSSIL
F Fossils <20%
◊ Oolite
◊ Oomoldic
◊ Fusulinid

STRINGER
+/- Sandstone
+/- Siltstone

TEXTURE
C Chalky

OTHER SYMBOLS

DST
DST Int
DST alt
Core



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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 09, 2013

John Niernberger
Ritchie Exploration, Inc.
8100 E 22ND ST N # 700
BOX 783188
WICHITA, KS 67278-3188

Re: ACO1
API 15-159-22734-00-00
Stout P 8
NE/4 Sec.06-18S-10W
Rice 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,
John Niernberger