



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1151107
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: _____



1151107

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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#1 Durler 14B

2200' FNL & 1120' FWL

110'N & 130'E of SE SW NW Section 14-27S-24W

Ford County, Kansas

API# 15-057-20884-0000

Elevation: 2452' GL, 2462' KB

Sample Tops			Ref. Well
Anhydrite			
B/Anhydrite	1530'	+932	-3
Stotler	3475'	-1013	+4
Heebner	4131'	-1669	+12
Lansing	4247'	-1785	+16
Muncie Shale	4444'	-1982	+3
Stark Shale	4572'	-2110	+11
Hush	4614'	-2152	+13
BKC	4648'	-2186	+14
Marmaton	4712'	-2250	+14
Altamont	4736'	-2274	+12
Pawnee	4794'	-2332	+8
Cherokee Shale	4840'	-2378	+5
Huck.	4924'	-2462	+7
Atoka Shale	4935'	-2473	+7
Morrow	4945'	-2483	+4
Mississippian	4972'	-2510	+11
RTD	5120'	-2658	

ALLIED OIL & GAS SERVICES, LLC 060364

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend, KS

DATE <u>3-22-13</u>	SEC <u>14</u>	TWP. <u>27S</u>	RANGE <u>24W</u>	CALLED OUT <u>5:30 PM</u>	ON LOCATION <u>9:35 PM</u>	JOB START <u>10:30 PM</u>	JOB FINISH <u>11:30 PM</u>
LEASE <u>Durler</u>		WELL # <u>14B</u>		LOCATION <u>Fort Dodge, 2 East to 117rd, South to Primrose rd, 1 West, North into loc.</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one) <u>o/</u>				(95m)			

CONTRACTOR Val 1
 TYPE OF JOB Surface Casing
 HOLE SIZE 12 1/4" T.D. 369 ft
 CASING SIZE 8 5/8" 24" DEPTH 359.55 ft
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20 ft
 CEMENT LEFT IN CSG. 20 ft, 1,272 bbls, 5.35x
 PERFS. _____
 DISPLACEMENT 22 bbls Fresh Water

OWNER Ritchie Exploration, Inc.
 CEMENT
 AMOUNT ORDERED 2255# "A" + 3% Cacl + 2% Gel

EQUIPMENT
 PUMP TRUCK CEMENTER Charles Etkins
 # 366 HELPER Kevin Eddy
 BULK TRUCK
 # 341 DRIVER Mike Scothorn
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>2.25</u>	@ <u>17.90</u>	<u>40.20</u> ⁵²
POZMIX		@	
GEL	<u>4</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8</u>	@ <u>64.00</u>	<u>512.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>242.9</u>	@ <u>2.48</u>	<u>602.39</u>
MILEAGE	<u>11.09 x 50 x</u>	<u>2.60</u>	<u>1,491.90</u>
			TOTAL <u>6,677.45</u>

REMARKS:

Pump 5 bbls Fresh Water
Mix + Pump 54 bbls Cement (2255#)
Displace with 22 bbls Fresh Water
Leave 20 ft, 1,272 bbls, 5.35x Cmt in Casing
Circulate 15 bbls, 63% Cement to Surface
11:11 PM Plug Down (No Plug)

SERVICE

DEPTH OF JOB	<u>359</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>HUM 50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD		@	
	<u>HUM 50</u>	@ <u>4.90</u>	<u>220.00</u>
		@	

CHARGE TO: Ritchie Exploration, Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2,117.25

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 8,794.70
 DISCOUNT 2,198.62 IF PAID IN 30 DAYS
6,596.02

PRINTED NAME Walter Purcell
 SIGNATURE [Signature]

[Signature]

ALLIED OIL & GAS SERVICES, LLC 060369

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend, KS

DATE <u>4-2-13</u>	SEC. <u>14</u>	TWP. <u>23S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>2:25 AM</u>	JOB START <u>5:00 AM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>Durkin</u>	WELL # <u>14B</u>	LOCATION <u>Port Dodge, East 2m to 117rd. South to Primrose, West 1 mile. North</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>		
OLD OR (NEW) Circle one				<u>into location (87m)</u>			

CONTRACTOR Val 1
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8" T.D. 5120 ft
 CASING SIZE 8 5/8" 24# DEPTH 369 ft
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2" 16.60# DEPTH 1530 ft
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT WBM + FW

OWNER Ritchie Exploration, Inc.
 CEMENT
 AMOUNT ORDERED 250 sy 60/40 + 40/60 gel
+ 2.5% gel Flo-Seal

EQUIPMENT

PUMP TRUCK CEMENTER Charles EIRins
 # 398 HELPER Josh Isaac
 BULK TRUCK
 # 344/170 DRIVER Kevin Welchous
 BULK TRUCK
 # DRIVER

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX	<u>100</u>	@ <u>9.35</u>	<u>935.00</u>
GEL	<u>9</u>	@ <u>23.40</u>	<u>210.60</u>
CHLORIDE		@	
ASC		@	
<u>2.5% gel</u>	<u>63</u>	@ <u>2.97</u>	<u>187.11</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>269.2</u>	@ <u>2.48</u>	<u>667.61</u>
MILEAGE	<u>11.23 x 50 x</u>	<u>2.60</u>	<u>1,460.00</u>
TOTAL			<u>6,145.41</u>

REMARKS:

Plug 1 @ 1530 ft: 6FW, 12.5 cent, 2FW, 15 WBM (50 sy)
Plug 2 @ 900 ft: 6FW, 20 cent, 6FW (80 sy)
Plug 3 @ 430 ft: 6FW, 12.5 cent, 2.5 FW (50 sy)
Plug 4 @ 60 ft: 5 cent (20 sy)
Plug Rat Hole with 3.5 bbls Cement (30 sy)
Plug House Hole with 5.6 bbls Cement (20 sy)

SERVICE

DEPTH OF JOB	<u>1530</u>		
PUMP TRUCK CHARGE	<u>2249.84</u>		
EXTRA FOOTAGE		@	
MILEAGE <u>Hum</u>	<u>50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD		@	
<u>hum</u>	<u>50</u>	@ <u>4.40</u>	<u>220.00</u>
		@	

CHARGE TO: Ritchie Exploration, Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2,854.84

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 9,000.35
 DISCOUNT 25% 2,250.06 IF PAID IN 30 DAYS
6,750.29

PRINTED NAME Walter Purcell
 SIGNATURE [Signature]

[Signature]

Ritchie Exploration, Inc.

Durler 14B No.1

2200' FNL and 1120' FWL

110'N & 130'E of SE SW NW

Sec 14 T27S R24W

Ford County, Kansas

Geological Report

by

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

Scale 1:240 Imperial

Well Name: Durler 14B No. 1
 Surface Location: Sec 14 T27S R24W
 Bottom Location: 2200' FNL and 1120' FWL
 API: 15-057-20884
 License Number: 4767
 Spud Date: 3/22/2013 Time: 3:00 PM
 Region: Ford County, Kansas
 Drilling Completed: 4/1/2013 Time: 1:27 PM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 2452.00ft
 K.B. Elevation: 2462.00ft
 Logged Interval: 3400.00ft To: 5120.00ft
 Total Depth: 5120.00ft
 Formation: Mississippi
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Ritchie Exploration, Inc.
 Address: 8100 East 22nd Street North, No. 700
 Wichita, Kansas 67278

Contact Geologist: Mike Engelbrecht
 Contact Phone Nbr: 316-691-9500
 Well Name: Durler 14B No. 1
 Location: Sec 14 T27S R24W
 Pool: Oil, Gas
 State: Kansas

API: 15-057-20884
 Field: Wildcat
 Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 99° 55' 15.790" Latitude: 37° 42' 01.216"
 N/S Co-ord:
 E/W Co-ord:

CONTRACTOR

Contractor: Val Energy
 Rig #: 1
 Rig Type: Mud rotary
 Spud Date: 3/22/2013 Time: 3:00 PM
 TD Date: 4/1/2013 Time: 1:27 PM
 Rig Release: 4/2/2013 Time: 9:00 AM

ELEVATIONS

K.B. Elevation: 2462.00ft Ground Elevation: 2452.00ft
 K.B. to Ground: 10.00ft

NOTES

Date	Depth at 7 am	Activity
3-22-13	MIRU	Spud at 3:00 pm
3-23-13	369	WOC
3-24-13	1670	Drilling
3-25-13	2790	Drilling
3-26-13	3360	Drilling
3-27-13	3910	Drilling
3-28-13	4390	Drilling
3-29-13	4750	Drilling
3-30-13	4825	Drilling
3-31-13	4939	TIH after DST No. 2
4-01-13	5023	Drilling
4-02-13	5120	P & A

Surface Casing: 8 5/8" 24# at 369'
 Production Casing: None set

Deviation: 369' - 1/4°, 41' - 1°, 4810' - 1/4°, 5120' - 1°

Bit Record:	Make	Size	Type	Depth In	Depth Out	Hours
JZ	Make	7 7/8"	HA20Q	369	4810	123 1/2
JZ	Make	7 7/8"	HF41BN	4810	5120	22 1/2

Drill Stem Tests:

DST No. 1 4784 to 4810 Formation: Pawnee
 30-45-45-60
 Recovery: 275' Water (Chl 90,000 ppm)
 IHP 2270 FHP 2260
 IFP 13-69 FFP 71-129
 ISIP 1066 FSIP 986
 Temp 119°

DST No. 2 4875 to 4939 Formation: Huck
 30-45-45-60
 Recovery: 15' Mud
 IHP 2409 FHP 2400
 IFP 12-16 FFP 12-16
 ISIP 80 FSIP 110
 Temp 113°

DST No. 3 4936 to 5013 Formation: Mississippi
 30-45-45-60
 Recovery: 2300' GIP
 105' Mud
 IHP 2445 FHP 2422
 IFP 21-34 FFP 40-63
 ISIP 932 FSIP 930
 Temp 114°

Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3
Anhydrite	1472	1471	+991	+18	+17	+36
Bi/Anhydrite	1510	1512	+950	+15	+16	+37
Stotler	3477	3476	-1014	+3	+20	+41
Heebner	4131	4128	-1666	+15	+27	+40
Toronto	4150	4146	-1684	+16	+28	+39
Douglas	4205	4202	-1740	+20	+25	+22
Brown Lime	4237	4234	-1772	+21	+32	+38
Lansing	4245	4242	-1780	+21	+34	+39
Muncie Creek	4443	4444	-1978	+7	+15	+30
Stark	4572	4570	-2108	+13	+15	+30
Hustpuckney	4614	4611	-2149	+16	+10	+27
B/Kansas City	4654	4652	-2190	+10	+13	+24
Marmaton	4719	4717	-2255	+9	+4	+18
Altamont	4742	4740	-2278	+8	+4	+16
Pawnee	4794	4794	-2322	+8	+2	+11
Fort Scott	4827	4826	-2364	+7	+5	+13
Cherokee Shale	4840	4839	-2377	+6	+6	+13
Huck	4922	4921	-2459	+10	+8	+2
Atoka	4935	4934	-2472	+8	+6	+7
Morrow Shale	4945	4944	-2482	+5	+3	+3
Mississippi	4977	4976	-2514	+7	+7	-4
Total Depth	5120	5121	-2659			

Well 1: Pickrell Drilling Company Doll F No. 1 C SW NW Sec 15 T27S R24W
 Well 2: Ritchie Exploration, Inc. Potosi No. 2 1662' FNL and 355' FWL Sec 13 T27S R24W
 Well 3: Ritchie Exploration, Inc. Ford Yard-KSR No. 1X 2676' FNL and 630' FWL Sec 12 T27S R24W

Due to the results of the Drill Stem Tests and the electric log calculations, it was decided to plug this test well.

Respectfully submitted,
Macklin M. Armstrong

ROCK TYPES

Cht vari	Dolsec	shale, grn	Carbon Sh
Dolprim	Lmst fw7>	shale, gry	Shcol

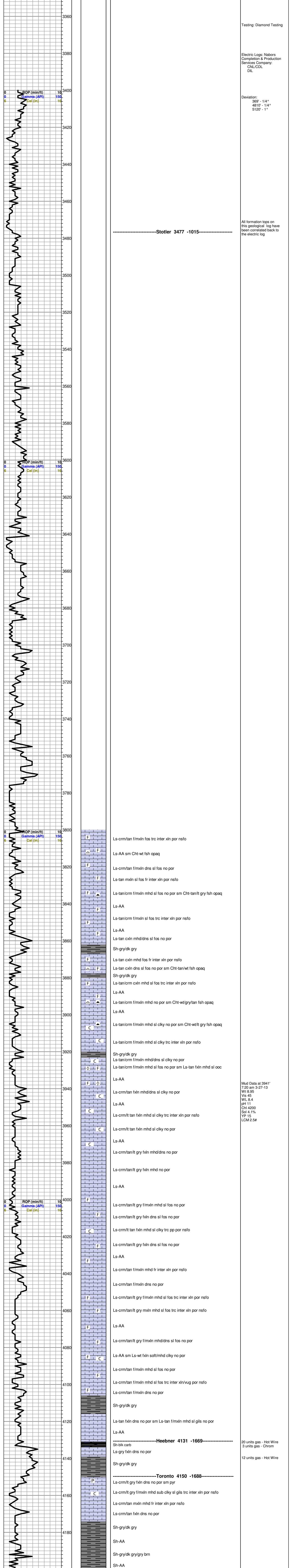
ACCESSORIES

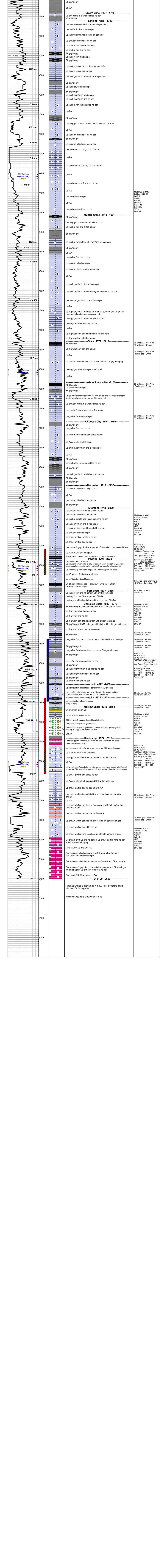
MINERAL	FOSSIL	STRINGER	TEXTURE
▲ Chert, dark P Pyrite ~ Varicolored chert △ Chert White	F Fossils < 20% ○ Oolite ◊ Oomoldic	--- Chert = Shale	C Chalky

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 15-057-20884-00-00
Durler 14B 1
NW/4 Sec.14-27S-24W
Ford 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