Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1086430

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 # 4767
Name: Ritchie Exploration, Inc.
Address 1: 8100 E 22ND ST N # 700
Address 2: BOX 783188
City: WICHITA State: KS Zip: 67278 + 3188
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 5822
Name: Val Energy, Inc.
Wellsite Geologist: Terry McLeoad
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 #:

03/28/2012	04/08/2012	04/08/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20873-00-00
Spot Description: 120'N & 40'W of NESW
SE - NW - NE - SW Sec. 31 Twp. 17 S. R. 34 ☐ East ☑ West
2100 Feet from ☐ North / ☑ South Line of Section
1940 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: North Six Well #: 1
Field Name:
Producing Formation: none
Elevation: Ground: 3156 Kelly Bushing: 3165
Total Vertical Depth: 5040 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 245 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: 18000 ppm Fluid volume: 1100 bbls
Dewatering method used: Evaporated

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: 07/03/2012
☑ **Confidential Release Date:** 07/03/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/05/2012

[redacted] 1086430

Operator Name: Ritchie Exploration, Inc. Lease Name: North Six Well #: 1

Sec. 31 Twp. 17 S. R. 34 ☐ East ☑ West County: Scott

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction Log
Compensated Density/Neutron Log

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name Top Datum

SEE ATTACHED

CASING RECORD ☑ New ☐ 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	12.25	8.63	23	245	common	175	3%cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	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)* _____

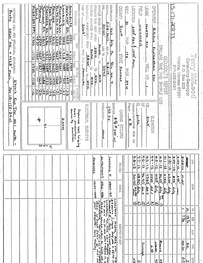
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

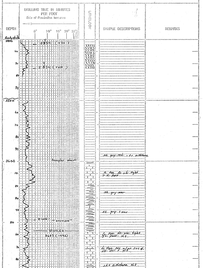
DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

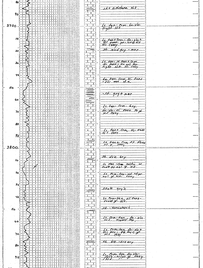
METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

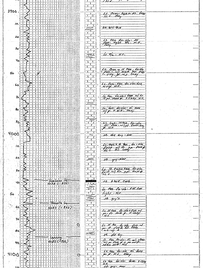
PRODUCTION INTERVAL:
_____
_____

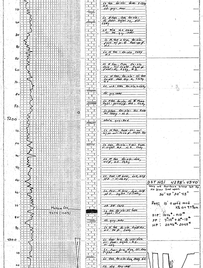
Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

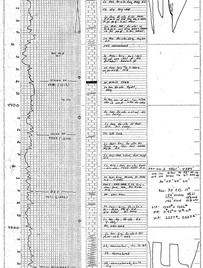


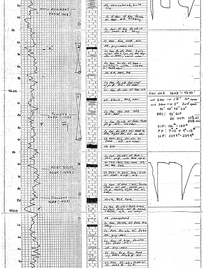


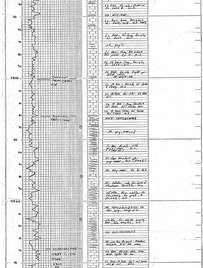


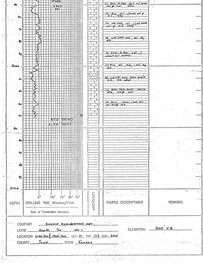












RITCHIE
EXPLORATION, INC.
Wichita, Kansas

#1 North Six
2100' FSL & 1940' FWL
120' N & 40' W of NE SW Section 31-17S-34W
Scott County, Kansas
API# 15-171-20873-0000
Elevation: 3156' GL, 3165' KB

Sample Tops			Ref. Well
Anhydrite	2454'	+711	-14
B/Anhydrite	2474'	+691	-17
Stotler	3657'	-492	-27
Heebner	4038'	-873	-13
Lansing	4085'	-920	-16
Muncie Creek	4274'	-1109	-13
Stark	4380'	-1215	-17
Hush	4424'	-1259	-15
BKC	4471'	-1306	-13
Marmaton	4501'	-1336	-11
Altamont	4533'	-1368	-13
Pawnee	4620'	-1455	-20
Myrick Station	4652'	-1487	-19
Fort Scott	4664'	-1499	-18
Cherokee	4688'	-1523	-17
Johnson	4800'	-1635	-17
Morrow Shale	4831'	-1666	-20
Lower Sand	4932'	-1767	-31
Mississippian	4940'	-1775	-29
RTD	5040'	-1875	

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED CEMENTING CO., LLC. 035267

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley

DATE 4-8-12	SEC. 31	TWP. 17	RANGE 34	CALLED OUT	ON LOCATION	JOB START 12:30pm	JOB FINISH 1:30pm
LEASE Sik	WELL # 1	LOCATION Scott City 12W 3/4N				COUNTY Scott	STATE KS
OLD OR NEW (Circle one)		E into					

CONTRACTOR Val 4
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 5090
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH 2490'
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Same

CEMENT
AMOUNT ORDERED 290 sks 60/40/4% gel
¼ #/sk Flo-seal

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
423-281 HELPER Terry
BULK TRUCK
404 DRIVER Ethan
BULK TRUCK
DRIVER

REMARKS:
50 sks @ 2490'
50 sks @ 1410'
40 sks @ 690'
40 sks @ 320'
20 sks @ 60'
10 sks mouse hole
10 sks rat hole
Thank you

COMMON	174 sks	@ 6.25	2827.50
POZMIX	116 sks	@ 8.50	986.00
GEL	10 sks	@ 21.25	212.50
CHLORIDE		@	
ASC		@	
Flo-seal	22#	@ 2.50	194.50
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	311 sk pf.	@ 2.10	669.90
MILEAGE	13 Ton X 62 X 2 3/4		1894.50
		TOTAL	6768.90

SERVICE

DEPTH OF JOB	2490'		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	62 m/ 2 sks	@ 2.00	434.00
MANIFOLD		@	
Light vehicle		@ 4.00	248.00
		@	
		TOTAL	1932.00

CHARGE TO: Ritchie Exploration
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8/8			
1 Dry hole plug		@	92.00
		@	
		@	
		@	
		@	
		TOTAL	92.00

To Allied Cementing Co., 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
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME
SIGNATURE Terry Hinkebein

ALLIED CEMENTING CO., LLC. 040946

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley 3-29-12

DATE 3-28-12	SEC. 31	TWP. 17	RANGE 34	CALLED OUT	ON LOCATION 1:30 AM	JOB START 4:00 Am	JOB FINISH 4:30 Am
LEASE North Sik	WELL # 1		LOCATION Scott City 12 W 3½ N Ento			COUNTY Wichita	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Val 4
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 249
CASING SIZE 8 5/8 DEPTH 249
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 ft
PERFS.
DISPLACEMENT 14,97

EQUIPMENT

PUMP TRUCK CEMENTER Darren R
422 HELPER Tyler
BULK TRUCK
347 DRIVER Steve
BULK TRUCK
DRIVER

REMARKS:
mix 175 SKs Cement
Displace with water
Cement Did Circulate
Thank You

CHARGE TO: Ritchie Exploration
STREET
CITY STATE ZIP

OWNER Same

CEMENT
AMOUNT ORDERED 175 SKs Com 3% cc 2% Gel

COMMON	175 SKs	@ 16.25	2843.75
POZMIX		@	
GEL	4 SKs	@ 21.25	85.00
CHLORIDE	6 SKs	@ 58.20	658.20
ASC		@	
HANDLING	185	@ 2.25	416.25
MILEAGE	11¢ Per mile		261.70
		TOTAL	5264.90

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	62	@ 7.00	434.00
MANIFOLD	Swedge	@	385.00
LV Mileage		@ 4.00	248.00
		@	
		TOTAL	2132.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	@	
	TOTAL	

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., 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 Larry Hinderliter
SIGNATURE Larry Hinderliter

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

Kansas
Corporation Commission

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

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

Sam Brownback, Governor

July 03, 2012

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

Re: ACO1
API 15-171-20873-00-00
North Six 1
SW/4 Sec.31-17S-34W
Scott 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