



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1192118
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: _____

1192118

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

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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Ritchie Exploration, Inc. Ford No. 1 1452' FSL and 409' FWL 132'N and 79'E of W2 W2 SW Sec 3 T28S R22W Ford County, Kansas

Geological Report by

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

Scale 1:240 Imperial

Well Name:	Ford No. 1	Surface Location:	Sec 3 T28S R22W	Bottom Location:	1452' FSL and 409' FWL
License Number:	4767	API:	15-057-20908	Spud Date:	11/20/2013
Spud Date:	11/20/2013	Time:	6:30 PM	Region:	Ford County, Kansas
Completed:	11/30/2013	Time:	12:37 PM	Drilling Coordinates:	
Bottom Hole Coordinates:		Ground Elevation:	2361.00ft	K.B. Elevation:	2371.00ft
Ground Elevation:	2361.00ft	Logged Interval:	3400.00ft	To:	5148.00ft
Logged Interval:	3400.00ft	Total Depth:	5150.00ft	Formation:	Mississippi
Total Depth:	5150.00ft	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: Adam Eldain
Contact Phone Nbr: 316-691-9500
Well Name: Ford No. 1
Location: Sec 3 T28S R22W
Pool: Gas, Oil
State: Kansas
API: 15-057-20908
Field: Ford
Country: Ford

CONTRACTOR

Contractor: Val Energy, Inc.
Rig #: 1
Rig Type: mud rotary
Spud Date: 11/20/2013
TD Date: 11/30/2013
Rig Release: 12/1/2013
Time: 6:30 PM
Time: 12:37 PM
Time: 10:00 AM

ELEVATIONS

K.B. Elevation: 2371.00ft
K.B. to Ground: 10.00ft
Ground Elevation: 2361.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 99° 43' 14.412"
Latitude: 37° 38' 06.339"

NOTES

Date Depth at 7am Activity
11-20-13 MIRU Spud at 7:30 pm
11-21-13 355 WOC
11-22-13 1410 Drilling
11-23-13 2610 Drilling
11-24-13 3285 Drilling
11-25-13 3880 Drilling
11-26-13 4410 Drilling
11-27-13 4780 Drilling
11-28-13 4984 TOH
11-29-13 5015 OB with DST No. 2
11-30-13 5045 Drilling
12-01-13 5150 P & A

Surface Casing: 8 5/8" 23# at 355'
Production Casing: None set

Deviation: 359' - 1°
4984' - 1°
5150' - 3/4°

Bit Record: Make	Size	Type	Depth In	Depth Out	Hours
JZ	12 1/4"	RR	Surface	359	3 1/2
JZ	7 7/8"	HA20Q	359	5150	144 3/4

Drill Stem Tests:

DST No. 1 4952 to 4984 Huck, Atoka
30-45-60-90
Gas Flows: IFP: GTS in 4", 10" - 879 mcf, 20" - 951 mcf, 30" - 951 mcf
FFP: 10" - 908 mcf, 20" - 966 mcf, 30" - 966 mcf, 40" - 966 mcf, 50" - 966 mcf, 60" - 966 mcf
Recovery: 90' Mud
IHP 2495 FHP 2468
IFP 203-195 FFP 187-191
ISIP 1586 FSIP 1580
Temp 110°

DST No. 2 4993 to 5015 Mississippi
30-45-60-90
Gas Flows: IFP: GTS in 3.5", 10" - 289 mcf, 20" - 346 mcf, 30" - 363 mcf
FFP: 10" - 357 mcf, 20" - 375 mcf, 30" - 363 mcf, 40" - 363 mcf, 50" - 363 mcf, 60" - 363 mcf
Recovery: 95' GCM (5%G, 95%M)
IHP 2578 FHP 2462
IFP 72-110 FHP 118-120
ISIP 1593 FFP 1576
Temp 115°

DST No. 3 5016 to 5040 Mississippi
30-45-60-90
Gas Flows: GTS in 20 seconds of FSIP while bleeding off (low)
Recovery: 115' GCWM (6%G, 14%W, 80%M)
IHP 2562 FHP 2537
IFP 18-31 FFP 24-53
ISIP 1524 FSIP 1492
Temp 116°

Formation	Sample	E-Log	Datum	Well 1	Well 2	Well 3	Well 4
Anhydrite	1349	1358	+1013	-10	-2	+3	+1
B/Anhydrite	1401	1402	+969	-10	0	+0	+3
Stottler	3503	3500	-1129	-7	-8	+6	-22
Heebner	4164	4163	-1792	-3	-9	+4	-23
Toronto	4181	4181	-1810	-1	-13	+4	-25
Douglas	4240	4240	-1869	-2	-10	+8	-22
Lansing	4302	4301	-1930	-1	-10	+5	-23
Muncie Creek	4482	4481	-2110	-3	-8	+6	-23
Stark	4623	4618	-2247	+4	-8	+18	-22
Hushpuckney	4663	4660	-2269	+3	-12	+18	-22
B/Kansas City	4700	4698	-2327	+4	-12	+13	-26
Marmaton	4766	4764	-2393	+5	-19	+13	-20
Pawnee	4834	4832	-2461	+10	-8	+22	-21
Cherokee Shale	4880	4877	-2506	+10	-9	+20	-22
Huck	4960	4957	-2586	+10	-8	+23	-21
Atoka Shale	4967	4964	-2593	+10	-8	+24	-21
Mississippi	4984	4984	-2513	+9	0	+27	-24
Total Depth	5150	5148	-2777				

Reference Well No. 1: Ritchie Exploration, Inc. Derstein 10BC No.1 1930' FNL and 550' FWL Sec 10 T28S R22W
Reference Well No. 2: Ritchie Exploration, Inc. Brown 3AB No. 1 730' FNL and 700' FWL Sec 3 T28S R22W
Reference Well No. 3: Ritchie Exploration, Inc. Maupin-Fisher No. 1 2690' FNL and 2130' FEL Sec 9 T28S R22W
Reference Well No. 4: Ritchie Exploration, Inc. Stephenson 1-4B No. 1 1026' FNL and 1197' FWL Sec 4 T28S R22W

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

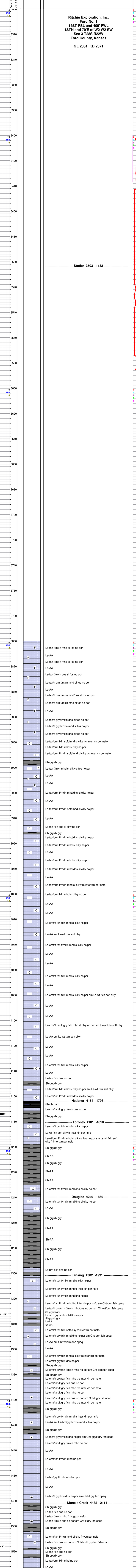
Chert vari
 Dolprim
 Dolsec
 Lmst fw>

ACCESSORIES

MINERAL
 ▲ Chert, dark
 ▼ Varicolored chert
 ▲ Chert White
FOSSIL
 ○ Coral
 ○ Crinoids
 F Fossils < 20%
 ○ Oolite
STRINGER
 = Shale
TEXTURE
 C Chalky

OTHER SYMBOLS

MISC
 (DR) Daily Report
 Digital Photo
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt
DST
 DST Int
 DST alt
 Core







#1 Ford

1452' FSL & 409' FWL

132' N & 79' E of W/2 W/2 SW Section 3-28S-22W

Ford County, Kansas

API# 15-057-20908-0000

Elevation: 2361' GL, 2371' KB

Sample Tops			Ref. Well
Anhydrite	1349'	+1022	-1
B/Anhydrite	1384'	+987	+8
Stotler	3503'	-1132	-10
Heebner	4165'	-1794	-5
Toronto	4185'	-1814	-5
Lansing	4304'	-1933	-4
Muncie Shale	4482'	-2111	-4
Stark Shale	4623'	-2252	-1
Hush	4663'	-2292	Flat
BKC	4698'	-2327	+4
Marmaton	4764'	-2393	+5
Pawnee	4834'	-2463	+8
Cherokee	4880'	-2509	+7
Atoka	4967'	-2596	+7
Mississippian	4988'	-2617	+5
RTD	5150'	-2779	

ALLIED OIL & GAS SERVICES, LLC 061061

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Plains

DATE <i>11-21-13</i>	SEC. <i>3</i>	TWP. <i>28</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START <i>4:00</i>	JOB FINISH <i>4:30</i>
LEASE <i>Ford</i>		WELL# <i>1</i>	LOCATION <i>Ford, KS 1 1/2 E on</i>		COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>Tilman Rd Ninto</i>				

CONTRACTOR *VO Energy #1*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D.

CASING SIZE *5 5/8* DEPTH *365 ft*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 ft*

PERFS.

DISPLACEMENT *22666*

OWNER

CEMENT AMOUNT ORDERED *250 sks class A*

3-16-11 2-19-11

COMMON	<i>250</i>	@ <i>17.90</i>	<i>4475.00</i>
POZMIX		@	
GEL	<i>3</i>	@ <i>23.40</i>	<i>70.20</i>
CHLORIDE	<i>423</i>	@ <i>.80</i>	<i>338.40</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>162.20</i>	@ <i>2.48</i>	<i>402.26</i>
MILEAGE	<i>7.4 X 45 X</i>	@ <i>2.60</i>	<i>865.80</i>
			TOTAL <i>6151.66</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Dustin Chambers*

798 HELPER *Mike Esthorn*

BULK TRUCK

609-162 DRIVER *Kenia Worobas*

BULK TRUCK

DRIVER

REMARKS:

Break out choker with Rig and

mix 5 bbls freshwater

mix 250 sks cement

Displace 22666 freshwater & shut in

Cement did not displace

Plug Down 4100 ft

Plug Down

CHARGE TO: *Psyche Exploration*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<i>365</i>		
PUMP TRUCK CHARGE			<i>1512.25</i>
EXTRA FOOTAGE	@		
MILEAGE	<i>HVM 45</i>	@ <i>7.70</i>	<i>346.50</i>
MANIFOLD	@		
	<i>LVM 45</i>	@ <i>4.40</i>	<i>198.00</i>
	@		

TOTAL *2056.75*

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.

PRINTED NAME *X Walter Purcell*

SIGNATURE *X [Signature]*

Thank You!

SALES TAX (If Any) _____

TOTAL CHARGES *8208.41*

DISCOUNT *-1641.68* IF PAID IN 30 DAYS

\$ 6566.73

ALLIED OIL & GAS SERVICES, LLC 061077

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Grandland

FORD #1

DATE <u>12-1-13</u>	SEC. <u>3</u>	TWP. <u>28</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>6 AM</u>	JOB FINISH <u>7 AM</u>
LEASE <u>Ford</u>	WELL# <u>1</u>	LOCATION <u>Ford 5 to Tillman Rd 1 1/2 E</u>			COUNTY <u>Ford</u>	STATE <u>TX</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			NINTO				

CONTRACTOR Val 1
 TYPE OF JOB Rotary plug
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/2 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 1500
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. All
 PERFS.
 DISPLACEMENT Freshwater
 EQUIPMENT

OWNER
 CEMENT AMOUNT ORDERED 200 sks 60/40 4 1/2" grad
10 P60
 COMMON 120 @ 17.90 2,148.00
 POZMIX 80 @ 9.35 748.00
 GEL 7 @ 23.40 163.80
 CHLORIDE @
 ASC @
10 seal 50 @ 2.97 148.50
 @
 @
 @
 @
 @
 @
 @
 HANDLING 214.99 @ 2.48 533.17
 MILEAGE 8.97 X 50 X 2.60 1,166.75
 TOTAL 4,908.22

PUMP TRUCK CEMENTER Jack Hines
 # 366 HELPER Ben Hines
 BULK TRUCK
 # 344170 DRIVER Kevin Wickard
 BULK TRUCK
 # DRIVER

REMARKS:
Run into drill pipe - fill backside
#1 - 1500 ft 50 sks
#2 - 460 - 80 sks
#3 - 60 - 20 sks
PH 36 sks
MH 20 sks
plug down
Reg down

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE 2249.84
 EXTRA FOOTAGE @
 MILEAGE HUM 50 @ 7.70 385.00
 MANIFOLD @
HUM 50 @ 4.40 220.00
 @
 TOTAL 2,854.84

CHARGE TO: Richie explosion
 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.

PRINTED NAME Walter Purcell
 SIGNATURE [Signature]

SALES TAX (If Any)
 TOTAL CHARGES 7,763.06
 DISCOUNT 1,552.61 IF PAID IN 30 DAYS
6,210.44

[Signature]