



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215681
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: _____

1215681

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> _____				
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> _____	PRODUCTION INTERVAL: _____ _____
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#1 Bartlett 2D

1950' FSL & 2305' FEL

30' S & 5' E of W/2 NW SE Section 2-13S-34W

Logan County, Kansas

API# 15-109-21278-0000

Elevation: 2992' GL, 2997' KB

Sample Tops			Ref. Well
Anhydrite	2435'	+562	+1
B/Anhydrite	2452'	+545	+7
Heebner	3863'	-866	+1
Toronto	3882'	-885	+7
Lansing	3903'	-906	+9
Muncie Shale	4054'	-1057	+10
Stark Shale	4152'	-1155	-2
Hush	4192'	-1195	-6
BKC	4236'	-1239	-6
Marmaton	4250'	-1253	Flat
Altamont	4263'	-1266	+2
Pawnee	4346'	-1349	-1
Myrick	4387'	-1390	+1
Fort Scott	4402'	-1405	flat
Cherokee Shale	4435'	-1438	-5
Johnson	4481'	-1484	-3
Morrow Sand	4560'	-1563	-2
Mississippian	4581'	-1584	-18
RTD	4715'	-1718	



CONSOLIDATED
Oil Well Services, LLC

267566

TICKET NUMBER 38180
LOCATION Oakley, KS
FOREMAN Jerry Y

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-21-14	7173	Bartlett 2"D" #1	2	135	34w	Logan	
CUSTOMER		Mailing Address		TRUCK #	DRIVER	TRUCK #	DRIVER
Ritchie Exploration		5 to Sennia		512	Michael R		
CITY		STATE	ZIP CODE	529-7129	Cody R		

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 218 CASING SIZE & WEIGHT 8 7/8 24#
 CASING DEPTH 218 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig upon WWS break circulation w/ rig tree hookup to pump truck & mix 17.5 sks of com class A cement with 3% CC & 2% gel wash up & displace with 12 1/2 bbl fresh water & start in, circulated approx 4 bbl to pit.

Cement did circulate

Thank you

Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	25	MILEAGE	5.25	131.25 ✓
5407	8.2	ton mileage delivery (min)	430.00	430.00 ✓
11045	17.5 sks	com class A cement	18.55	3246.25 ✓
1102	494	Calcium Chloride	97	47918 ✓
1118b	329	bentonite gel	27	8883 ✓
			Subtotal	5525.51
			less 10% disc	552.55 ✓
			Subtotal	4972.96
			SALES TAX 7.65	262.62 ✓
			ESTIMATED TOTAL	5235.58 ✓

completed

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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CONSOLIDATED
Oil Well Services, LLC

267803

TICKET NUMBER 47633
LOCATION Oakley Co.
FOREMAN Damen

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/30/14	7173	Bartlett 2D #1	2	13	34	Logan
CUSTOMER <u>Ritchie</u>			monument 20105 winto			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cory		
STATE			693	Cody		
ZIP CODE						

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 4717 CASING SIZE & WEIGHT 4 1/2, 10.5
CASING DEPTH 4699 DRILL PIPE _____ TUBING _____ OTHER 2124 Spe Joint
SLURRY WEIGHT 14.2 SLURRY VOL 156 WATER gal/sk _____ CEMENT LEFT In CASING _____
DISPLACEMENT 74.02 DISPLACEMENT PSI _____ MIX PSI _____ RADE Port Collar 2401'

REMARKS: Safety Meeting Rig upon Well 2 Run Casing + Float Equipment torques 1-9-13-19-54
56-71 Baskets on 3-55-70-88-95 Port Collar on 55 Circulate 15 min Drop Ball
Circulate 45 min, 566L water ahead of mud Flush 566L water Behind Plug mousehole
with 20 SKs Cement then Plug Rathole with 30 SKs Cement mix 225 SKs OWC cement down
Casing Washup pump + Lines Displace 74.02 bbl water Land Plug @ 1500' Lift 900'
Blood Back To 500' + Shut in Rig Down

Thanks Damen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	\$3175.00	\$3175.00
5406	20	MILEAGE	\$5.25	\$105.00
5407	12.9	Ton Mileage Delivery	\$1.75	\$451.50
1126	275 SKs	OWC	\$23.70	\$6517.50
1137	69*	CDI-26	\$10.20	\$703.80
1146	38*	CAF-38	\$10.20	\$387.60
1110A	1375*	Kolseal	\$0.56	\$770.00
1144G	500 gal	Mud Flush	\$1.00	\$500.00
4161	1	4 1/2 AFU float shoe (w)	\$359.35	\$359.35
4453	1	4 1/2 Latch Down Plug Assy (w)	\$465.00	\$465.00
4129	7	4 1/2 Tubolizers (w)	\$60.00	\$420.00
4103	5	4 1/2 Baskets (w)	\$275.00	\$1375.00
4284	1	4 1/2 Port Collar (T)	\$1984.00	\$1984.00
		SubTotal		\$17213.75
		Less 10%		\$1721.38
		SubTotal		\$15492.37
		SALES TAX		928.25
		ESTIMATED TOTAL		16420.62

completed

AUTHORIZATION [Signature]

TITLE PRODUCTION SUPERVISOR DATE _____

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CONSOLIDATED
Oil Well Services, LLC

268040

TICKET NUMBER 47636
LOCATION Oakley Ks.
FOREMAN Damen

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Fuzzy Ko.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/2/14	7173	Bartlett 2D #1	2	13	34	Logan
CUSTOMER <u>Ritchie Exploration</u>			Mailing Address			
CITY			STATE	ZIP CODE		
Mailing Address			TRUCK #	DRIVER	TRUCK #	DRIVER
			731	Gary		
			528	Dale		

JOB TYPE Port Collar HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH _____ DRILL PIPE _____ TUBING 2 3/8 OTHER PC. 2401'
 SLURRY WEIGHT 12.5 to 13 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 8.29 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up on Completion Rig Test Tool To 1200' Open Tool
establish circulation mix 385 sks 6 3/4" 8% Gel 1/4" Floseal with 500' Halls Displace
8.29 bbl water Shut tool test to 1200' Run Tubing in + Reverse out
First 50 sks Neet 335 sks with 500' Halls.

Thanks Damen & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 B	1	PUMP CHARGE	\$1785.00	\$1785.00
5406	20	MILEAGE	\$5.25	\$105.00
5407	16.56	Ton Mileage Delivery	\$1.75	\$579.60
1131	385 SKS	6 3/4" Poz mix	\$15.86	\$6106.10
1105	500 #	Halls	\$.58	\$290.00
1107	96 #	Floseal	\$2.97	\$285.12
1118 B	1987 #	Bentonite	\$.27	\$536.49
			Sub Total	\$8787.31
			Less 10%	\$968.73
			Sub Total	\$8718.58
			SALES TAX	496.94
			ESTIMATED TOTAL	9215.52

completed

AUTHORIZATION [Signature] TITLE _____ DATE _____

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Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Ritchie Exploration	ELEVATIONS	
LEASE #1	Barlett 2D	KB	2997
FIELD	Wildcat	DF	
LOCATION	W/2 NW SE	CL	2992
SEC.	2	MEASUREMENTS ARE ALL	
TWP	13	FROM	KB
RANGE	13	CONTR.	
COUNTY	Logan	STATE	KS
CONTRACTOR	WW #2	RECEIVED	34W
SPUD	4-21-14	DATE	4-30-14
RID	4715	LTD	4717
WELL UP	3400	TYPE	MUD Chem
FORMATION	FOSSILS AND STRUCTURAL POSITION	DEPTH	

FORMATION	SAMPLE	ELECTRIC	SUB-SEA	STRUCTURAL POSITION
Anhydrite	2432	2430	567	B
Basal Anhydrite	2452	2450	567	B
Siltstone	3863	3862	568	B
Heebner	3903	3892	568	B
Munsie	4054	4067	568	B
Number 1	4152	4154	568	B
Number 2	4236	4236	568	B
BKC	4263	4268	568	B
Altamont	4346	4350	568	B
Palmer	4406	4410	568	B
Fl. Scott	4435	4438	568	B
Cherokee	4481	4483	568	B
Johnson	4581	4584	568	B
Munsie	4581	4587	568	B

REFERENCE WELLS FOR STRUCTURE:
A. Russell Baker-Barlett 150' FSL, 1820' FWL, 35-12-34W
B. C
C. C

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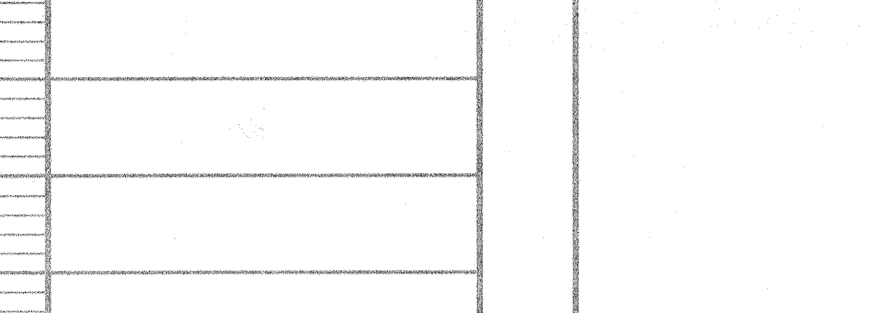
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DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

DEPTH

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SAMPLE DESCRIPTIONS

OIL SHOWS

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