



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1159669  
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: \_\_\_\_\_



1159669

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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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

September 24, 2013

Wanda Ledbetter  
SandRidge Exploration and Production LLC  
123 ROBERT S. KERR AVE  
OKLAHOMA CITY, OK 73102-6406

Re: ACO1  
API 15-203-20059-00-01  
Jjard 1735 1-4 RE  
SE/4 Sec.04-17S-35W  
Wichita 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,  
Wanda Ledbetter

REGULATORY DEPT  
SAFETY & ENVIRONMENT  
*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 3000906	Quote #:	Sales Order #: 900486557
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ..., Louise	
Well Name: JJARD 1735	Well #: 1-4 RE	API/UWI #:	
Field:	City (SAP): LEOTI	County/Parish: Wichita	State: Kansas
Contractor: Tomcat	Rig/Platform Name/Num: 3		
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	11	267804	ESTRADA, JOSE Corral	11	541275	MENDOZA, VICTOR	11	442596
WILTSHIRE, MERSHEK TonJe	11	195811						

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	03 - Jun - 2013	15:00	CST
Form Type			BHST	Job Started	03 - Jun - 2013	19:17	CST
Job depth MD	5650. ft		Job Depth TVD	Job Completed	03 - Jun - 2013	22:11	CST
Water Depth			Wk Ht Above Floor	Departed Loc	04 - Jun - 2013	02:30	CST
Perforation Depth (MD)	From		To				

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1450.	5651.		
5.5" Production Casing	Unknown		5.5	4.	17.	LTC	L-80	.	5650.		
8.625" Surface Casing	Unknown		8.625	7.921	32.	Unknown	J-55	.	1450.		

**Sales/Rental/3<sup>rd</sup> Party (HES)**

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP PLSTC, 5 1/2 13-23PPF, 4.49	1	EA		

**Tools and Accessories**

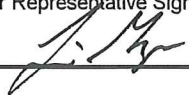
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

**Miscellaneous Materials**

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

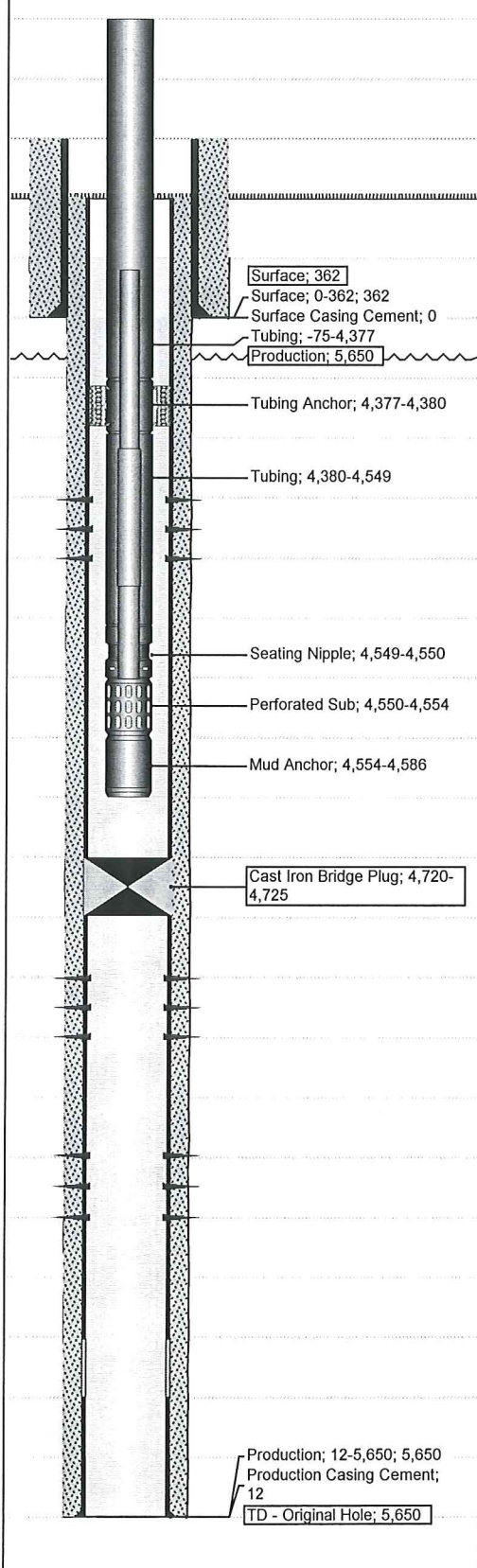
**Fluid Data**

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	1200.0	sacks	12.	2.23	12.4		12.4
	0.2 %	HR-800, 50 LB SACK (101619742)							
	3 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	6 %	BENTONITE, BULK (100003682)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	12.395 Gal	FRESH WATER							
3	Tail Cement	ECONOCEM (TM) SYSTEM (452992)	265.0	sacks	13.6	1.5	6.76		6.76
	5 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	0.25 %	SA-1015, 50 LB SACK (102077046)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.756 Gal	FRESH WATER							
4	Displacement		131.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					



# Wellbore Schematic

## JJARD 1735 1-4 RE

VERTICAL - Original Hole, 9/24/2013 10:20:32 AM		Wellbore Sections										
Vertical schematic (actual)		Section Des		Size (in)		Act Top (ftKB)		Act Blm (ftKB)				
 <p>Surface; 362 Surface; 0-362; 362 Surface Casing Cement; 0 Tubing; -75-4,377 Production; 5,650</p> <p>Tubing Anchor; 4,377-4,380</p> <p>Tubing; 4,380-4,549</p> <p>Seating Nipple; 4,549-4,550</p> <p>Perforated Sub; 4,550-4,554</p> <p>Mud Anchor; 4,554-4,586</p> <p>Cast Iron Bridge Plug; 4,720-4,725</p> <p>Production; 12-5,650; 5,650 Production Casing Cement; 12 TD - Original Hole; 5,650</p>		Surface		12 1/4		40.0		362.0				
		Production		7 5/8		362.0		5,650.0				
		Casing										
		Csg Desc	Jts	Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Blm (ftKB)	Com
		Surface		Casing-Joints	8 5/8	44.00	C-90		362.00	0.0	362.0	
		Production	115	Casing-Joints	5 1/2	17.00	L-80	LT&C	4,797.34	-20.6	4,776.7	
		Production	19	Casing-Joints	5 1/2	17.00	L-80	LT&C	795.68	4,812.3	5,608.0	
		Production	1	Casing-Joints	5 1/2	17.00	L-80	LT&C	39.56	5,609.4	5,649.0	
		Production	1	Float Shoe	5 1/2	17.00	L-80	LT&C	1.05	5,649.0	5,650.0	
		Cement										
Des		Top (ftKB)		Blm (ftKB)		Com						
Surface Casing Cement		0.0		362.0		250 sx						
Production Casing Cement		11.6		5,650.0								
Tubing												
Des	Item Des	OD (in)	ID (in)	EUE Wt (lb/ft)	Grade	Jts	Top (ftKB)	Blm (ftKB)	Com			
Tubing - Production	Tubing	2 7/8	2.441	6.500	J-55	137	-75.0	4,377.0				
Tubing - Production	Tubing Anchor	2 7/8					4,377.0	4,379.8				
Tubing - Production	Tubing	2 7/8	2.441	6.500	J-55	5	4,379.8	4,549.0				
Tubing - Production	Seating Nipple	2 7/8	2.441	6.500	J-55	1	4,549.0	4,550.0				
Tubing - Production	Perforated Sub	2 7/8	2.441	6.500	J-55	1	4,550.0	4,554.0				
Tubing - Production	Mud Anchor	2 7/8					4,554.0	4,586.0				
Rod Components												
Jts	Item Description	OD (in)	Top Coupling	Grade	Guide Des	Len (ft)	Top (ftKB)	Blm (ftKB)	Comment			
172	Sinker Bar	1 1/4				4,300.00	105.0	4,405.0				
5	Sinker Bar	1 1/2				125.00	4,405.0	4,530.0				
	Sinker Bar	1 3/8				20.00	4,530.0	4,550.0				
Perforations												
Date	Top (ftKB)	Blm (ftKB)	Zone Name		Shot Dens (shols/ft)	Current Status		Com				
6/13/2013	4,762.0	4,766.0	Atoka		2.0	Active						
6/13/2013	4,782.0	4,788.0	Atoka		2.0	Active						
7/11/2013	4,509.0	4,514.0	Marmaton		3.0	Active						
Stimulations & Treatments												
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pompe...	Frac Grad (psi...)						
6/15/2013	Atoka											
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment									
			Pump 30 bbls 2% KCL. 23.5 bbls to load tbg. Perfs broke @ 2000 psi. Pump 36 bbls of 15% NECE HCl acid. Pumping 5 bpm @ 1715 psi. Dropped 30 RSB evenly thru out acid job. Pumped 45 bbls of 2% KCL. Balled off w/ 79.8 bbls gone. Shut dn pump. Surge well. Finished pumping flush. Final press 5.1 bpm @ 1429 psi. ISIP: 700 psi. 5 min: 600 psi. 10 min: 575 psi. 15 min: 550 psi. SWI. RD Allied pump trks. 111 bbl load to rec.									
7/11/2013	Marmaton											
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment									
			Pump 30 bbls FW containing 1 gpt NEA dn csg @ 3.1 bpm @ 1100 psi. Perfs broke @ 1200 psi. MP: 1200 psi. ATP: 1100 psi. ISIP: 950 psi. 5 min: 727 psi. 10 min: 628 psi. 15 min: 547 psi. RD Southwest Acid. Monitor press for 1 hr. CSIP 200 psi. SDFN.									
Plug Record												
Des	Run Date	Removal Date	Top (ftKB)	OD (in)	Com							
Cast Iron Bridge Plug	7/11/2013		4,720.0	5 1/2	2 sx on top							