



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1162271
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: _____



1162271

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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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sowers 1631 1-35
Doc ID	1162271

Tops

Name	Top	Datum
Heebner	3871	-1004
Lansing	3910	-1043
Marathon	4322	-1455
Pawnee	4393	-1526
Cherokee	4441	-1574
Morrow	4532	-1665
Mississippi	4566	-1699
Viola	5108	-2241

Form	ACO1 - Well Completion
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3950-3956		
4	3994-3998		
4	4031-4038		
4	4103-4109		
4	4144-4152		
4			

Wanda Ledbetter

From: Stan Cherry
Sent: Friday, August 16, 2013 8:20 AM
To: Cody Conallis
Cc: Emil Fahrig; John Fortune; Lawrence Rogers; Wanda Ledbetter
Subject: Re: TomCat 3 - Sowers 1631 1-35

No conductor on this, just a 40' starter hole! Thx, SC

Sent from my iPhone

On Aug 16, 2013, at 8:18 AM, "Cody Conallis" <cconallis@sandridgeenergy.com> wrote:

Was a conductor set on this well or will there be one?

Cody Conallis

Drilling Engineer I

SandRidge Energy, Inc.

Oklahoma City, OK

Office: (405) 429-6479

Cell: (405) 593-0853

<ima

Attachments:

image003.jpg (2336 Bytes)

ALLIED OIL & GAS SERVICES, LLC 061307

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Bakley

DATE <u>8-29-13</u>	SEC. <u>35</u>	TWP. <u>16s</u>	RANGE <u>3W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 am</u>	JOB FINISH <u>3:30 pm</u>
LEASE <u>Sowers</u>	WELL# <u>1-35</u>	LOCATION <u>Healy 6w 1 1/2 N</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Tomcat #3</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> TD. <u>2022'</u>	CEMENT
CASING SIZE <u>8 5/8</u> DEPTH <u>2082.20'</u>	AMOUNT ORDERED <u>525 sks AmD</u>
TUBING SIZE	<u>1/4 Flo-seal</u>
DRILL PIPE DEPTH	<u>150 sks com 3% 2 1/2 gal</u>
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>150 sks @ 12.90 2685.00</u>
MEAS. LINE SHOE JOINT <u>41.36</u>	POZMIX @
CEMENT LEFT IN CSG. <u>41.36</u>	GEL <u>3 sks @ 23.40 70.20</u>
PERFS.	CHLORIDE <u>5 sks @ 64.00 320.00</u>
DISPLACEMENT <u>129.90</u>	ASC @

EQUIPMENT		
PUMP TRUCK CEMENTER <u>Andrew Farland</u>		AmD <u>525 sks @ 25.90 13597.50</u>
# <u>120</u> HELPER <u>Tyler Flipse</u>		@
BULK TRUCK		@
# <u>323</u> DRIVER <u>Chris Helpingtime</u>		@
BULK TRUCK		@
# <u>526</u> DRIVER <u>Alex (TWS)</u>		@
<u>600</u> <u>Brandon Wilkinson</u>		HANDLING <u>2.385 cu/ft @ 2.48 1894.34</u>
		MILEAGE <u>26070/mile 34.54 ton 4041.18</u>
REMARKS:		TOTAL <u>22608.22</u>

CHARGE TO: Tomcat Drilling

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB <u>2039.34'</u>	
PUMP TRUCK CHARGE <u>2443.25</u>	
EXTRA FOOTAGE @	
MILEAGE <u>45 miles @ 2.20 346.50</u>	
MANIFOLD <u>head @ 225.00</u>	
Light vehicle @ <u>4.40 198.00</u>	
	TOTAL <u>3263.25</u>

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.

PLUG & FLOAT EQUIPMENT	
<u>8 5/8</u>	
1 APC Insert @ <u>352.17</u>	
1 Basket @ <u>559.26</u>	
1 stop ring @ <u>56.16</u>	
5 Centralizer @ <u>24.88 328.45</u>	
1 Rubber plug @ <u>191.04</u>	
	TOTAL <u>1423.03</u>

PRINTED NAME Miguel Zamora

SIGNATURE Miguel Zamora

SALES TAX (If Any) _____

TOTAL CHARGES 27,344.50

DISCOUNT 5,742.34 IF PAID IN 30 DAYS

21,602.15 Net.

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3097562	Quote #:	Sales Order #: 900698819
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Sandridge CM, Louise	
Well Name: Sowers 1631	Well #: 1-35	API/UWI #:	
Field:	City (SAP): SCOTT CITY	County/Parish: Scott	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: RODRIGUEZ, EDGAR	MBU ID Emp #: 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOURNAGAN, MICHAEL D	8.5	524224	RAMIREZ, JORGE M.	8.5	498481	RODRIGUEZ, EDGAR Alejandro	8.5	442125
YANEZ, BENJAMIN	8.5	538038						

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
8/28/2013	5.5	1	8/29/2013	3	2.5			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone	
Form Type			BHST	Called Out	28 - Aug - 2013	12:00	CST
Job depth MD	5260. ft		Job Depth TVD	On Location	28 - Aug - 2013	17:30	CST
Water Depth			Wk Ht Above Floor	Job Started	28 - Aug - 2013	00:07	CST
Perforation Depth (MD)	From		To	Job Completed	28 - Aug - 2013	01:30	CST
				Departed Loc	28 - Aug - 2013	03:00	CST

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
7.875" Open Hole				7.875				1836.	5220.		
5.5" Production Casing	Unknown		5.5	4.	17.	LTC	J-55	.	5220.		
8.625" Surface Casing	Unknown		8.625	7.921	32.	STC	J-55	.	1836.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP PLSTC,5 1/2 13-23PPF,4.49	0	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	5 1/2	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	5 1/2	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

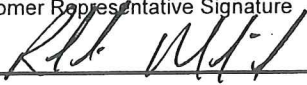
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Halliburton Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
	10 lbm/bbl	AQUAGEL - 100 LB BAG (101252566)							
	1.67 lbm/bbl	CAUSTIC SODA BEADS, 50 LB SK (100003650)							
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	235.0	sacks	12.	2.25	12.45		12.45
	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)							
	12.447 Gal	FRESH WATER							
3	Tail Cement	ECONOCEM (TM) SYSTEM (452992)	180.0	sacks	13.6	1.49	7.21		7.21
	0.25 %	SA-1015, 50 LB SACK (102077046)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	7.21 Gal	FRESH WATER							
4	Displacement		121.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	121	Shut In: Instant		Lost Returns	NO	Cement Slurry	142	Pad	
Top Of Cement	704	5 Min		Cement Returns	NO	Actual Displacement	121	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	293
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	52.14 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 					

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

October 11, 2013

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

Re: ACO1
API 15-171-20971-00-00
Sowers 1631 1-35
NW/4 Sec.35-16S-31W
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,
Wanda Ledbetter