KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1264553

Form CP-1
March 2010
This Form must be Typed
Form must be Signed
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

OPERATOR: License #: 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Wanda Ledbetter
Phone: (405) 429-5500

API No. 15 - 15-057-20813-01-00
If pre 1967, supply original completion date:
Spot Description:
NW - NE - NE - NE Sec. 11 Twp. 28 S. R. 21 ☐ East ☑ West
175 Feet from ☑ North / ☐ South Line of Section
454 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
County: Ford
Lease Name: Bones 2821 Well #: 1-11H

Check One: ☑ Oil Well ☐ Gas Well ☐ OG ☐ D&A ☐ Cathodic ☐ Water Supply Well ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #: ☐ Gas Storage Permit #:

Conductor Casing Size: Set at: Cemented with: Sacks
Surface Casing Size: 9.625 Set at: 1007 Cemented with: 425 Sacks
Production Casing Size: 7 Set at: 4998 Cemented with: 300 Sacks

List *(ALL)* Perforations and Bridge Plug Sets:
Attached

Elevation: (☐ G.L. / ☐ K.B.) T.D.: 4956 PBTD: Anhydrite Depth:
(Stone Corral Formation)
Condition of Well: ☑ Good ☐ Poor ☐ Junk in Hole ☐ Casing Leak at: -
(Interval)
Proposed Method of Plugging *(attach a separate page if additional space is needed)*:
Attached Proposed Plugging Proceedure or as approved by KCC District Staff.

Is Well Log attached to this application? ☐ Yes ☐ No Is ACO-1 filed? ☑ Yes ☐ No
If ACO-1 not filed, explain why:

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: Rob Gaskill
Address: 123 Robert S Kerr Ave City: Oklahoma City State: OK Zip: 73102 + _ _ _ _
Phone: (405) 669-0130
Plugging Contractor License #: 33338 Name: Orr Enterprises, Inc.
Address 1: PO BOX 1706 Address 2:
City: DUNCAN State: OK Zip: 73534 + 1706
Phone: (580) 251-9618
Proposed Date of Plugging *(if known)*: 8/23/2015

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically

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

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1264553

Form KSONA-1
January 2014
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: ☐ **C-1** (Intent) ☐ **CB-1** (Cathodic Protection Borehole Intent) ☐ **T-1** (Transfer) ☒ **CP-1** (Plugging Application)

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Wanda Ledbetter
Phone: (405) 429-6474 Fax: ( )
Email Address: wledbetter@sandridgeenergy.com

Well Location:
NW - NE - NE - NE Sec. 11 Twp. 28 S. R. 21 ☐ East ☑ West
County: Ford
Lease Name: Bones 2821 Well #: 1-11H

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:
Name: SandRidge Exploration & Production LLC
Address 1: 123 Robert S Kerr Avenue
Address 2:
City: Oklahoma City State: Oklahoma Zip: 73102 +

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

☒ I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

☐ I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a $30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the $30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

Submitted Electronically

Form	CP1 - Well Plugging Application
Operator	SandRidge Exploration and Production LLC
Well Name	Bones 2821 1-11H
Doc ID	1264553

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
5284	9472	Mississippi	

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AFE: PX12399

Well Name:	**Bones 2821 1-11H**						
API Number:	15-057-20813						
AFE#	PX12540						
Corp ID	121826						
Field:	Pleasant Valley						
County, State:	Ford, KS						
Legals:	SEC-11	TWP-28S	RGE-21W				
Surface Location:	200'	FNL	450'	FEL			
BH Location:	4834'	FSL	557'	FEL			
Elevation:	2356'	KB		DF	2336'	GL	
Depths:	4961'	MD	9553'	PBTD	(liner)	TOC	

Engineer:	Randall Crawford	405-429-6530 (o)	rcrawford@sandridgeenergy.com
Production Foreman:	Rob Gaskill	405-669-0130 (c)	rgaskill1@sandridgeenergy.com
Production Superintendent:	Alan Whipple	405-394-0853 (c)	awhipple@sandridgenergy.com
Facilities Foreman	John Mayne		jmayne@sandridgeenergy.com

CSG	Bit Size	OD	ID	Drift	Grade	Thd	Wt/Ft	Cap (bbl/ft)	Burst	Collapse	Top	Set @
Surface	12.25"	9.625"	8.921"	8.765"	J-55	LT&C	36.0#	0.0773	3520	2020	0'	1007'
Int	8.75"	7.000"	6.276"	6.151"	P-110	LT&C	26.0#	0.0382	9960	6210	0'	5421'
Liner	6.125"	4.500"	4.000"	3.875"	N-80	LT&C	11.6#	0.0155	7780	6350	5059'	9645'

Maximum allowable pressure is limited by B-section: 5000 psi

Directions

From Bucklin, KS go 4.3 mi E on hwy 54 to 136 rd, then go 3.5 mi N on 136 rd to Upland rd, then 1 mi W on Upland rd to 135 rd, and then +/- 1 mi N on 135 rd – location on W side of 135 rd

What's New:

1) **Known H2S location**
2) **Plug and Abandon well.**
3) **Contact KCC representative (620-2252-8888) at least 48 hours prior to beginning operation. Insure that contact is person-to-person. Voice mails are not acceptable to regulatory agencies.**
4) **Remove tbg and ESP. Cut free csg and remove.**
5) **Salvage available equipment.**
6) **This is a known H2S location.**

Workover Summary

Known H2S location. Plug and Abandon well. Remove tbg and ESP BHA. Set CIBP and cap w/ cement. Pull csg and cut free pipe. TOH w/ csg. Set cmt plugs as needed. Cut and cap well. Remove rig anchors.

THE SAFETY OF PERSONNEL AND PROTECTION OF THE ENVIRONMENT IS OF PRIMARY CONCERN DURING ANY OPERATION. UNDER NO CIRCUMSTANCE SHOULD SAFETY OR ENVIRONMENTAL PROTECTION BE COMPROMISED.

SANDRIDGE ENERGY REQUIRES THAT HARD HATS, STEEL TOED BOOTS, SAFETY GLASSES AND FRCs BE WORN ON LOCATION AT ALL TIMES.

HOLD SAFETY MEETING & COMPLETE JSAs PRIOR TO COMMENCING ALL OPERATIONS. ALL PERSONNEL ON LOCATION MUST BE BRIEFED AND MUST SIGN JSAs.

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AFE: PX12399

NO IGNITION SOURCE WITHIN 50 FT OF THE WELLHEAD, FLOWBACK TANKS OR PRODUCTION EQUIPMENT.

Detailed Procedure

1. MIRU WOR, transports and pump truck. **Hold JSA. Discuss workover scope, well control plans, meeting areas in case of emergencies and follow SD lockout/tagout procedures prior to any work being done on location to ensure all equipment is secured when workover begins.**

2. Pump 150% (**44 bbls**) tubing volume of produced water. Once packer is released, pump 150% (**227 bbls**) casing/annular volume of produced water. Continue pumping at ½ - 5 BPM, depending on well kick severity, while POOH w/ ESP BHA to keep well dead.

3. Install BPV. **Verify that casing valves are shut-in.** ND 2-9/16" production tree. NU 7-1/16" 5K double hydraulic BOP (2-7/8" pipe rams on top and blind rams on bottom) on top of B-section. Then NU 7-1/16" 5K Hydril (annular) BOP. Pull BPV. **Have BOP vendor stump test blind rams and pipe rams to 5000# prior to BOP delivery. Chart test and have chart delivered with BOP. Retain chart until job is completed. Function test BOP prior to NU.**

4. Release packer and POOH w/ BHA as follows:

   i. 161 jts 2-7/8" 6.5# J-55 EUE 8rd tbg
   ii. 2-7/8" XN Nipple (2.313" w/ 2.205" No-Go)
   iii. 1 jt 2-7/8" 6.5# J-55 EUE 8rd tbg
   iv. Discharge, 400 Series 2-7/8" (L = 0.5')
   v. Pump, 78 stg 400 series P-35 (L = 23.55')
   vi. Pump, 78 stg 400 series P-35 (L =23.55')
   vii. Pump, 78 stg 400 series P-35 (L =23.55')
   viii. Pump, 19 stg 400 series P-60 (L = 7.04')
   ix. Gin Pump, 20 stg 400 series (L = 8.52')
   x. Gas Separator (L = 2.7')
   xi. Seal, 400 Series Model FSB3DB (L = 6.1')
   xii. Motor, 234 HP, 2540 V, 59 A (L =34.65')
   xiii. Sensor, Centinel 3 (L = 4.1')

5. Send ESP BHA w/ Baker to be inventoried.

6. PU and RIH w/ 7" 10K CIBP. **Set CIBP @ 5009'.** Unlatch from CIBP. Test CIBP to 1900 psi.

7. Use current 2-7/8" tbg and haul in additional needed 2-7/8" 6.5# J-55 tbg.

8. Spot 50 sxs Class C cement mixed at 14.8 ppg and yield of 1.32 cf/sk on top of CIBP set @ 5009'. **TOOH w/ tbg to 4659'.** Circulate hole w/ plugging mud (density ≥ 9 ppg and viscosity ≥ 36 cp). TOOH w/ tubing.

9. ND BOP, NU 11" annular BOP. Pull stretch on 7" 26# P-110 csg to verify freepoint. TIH w/ split shot to freepoint. Locate casing collar, shoot off casing. TOOH w/ tools. TOOH w/ 7" csg and lay down.

10. Ensure that the KCC representative has been contacted **620-2252-8888** to verify cmt plugs.

11. TIH w/ SN and ~1100' 2 7/8" 6.5# J-55 tubing. Spot the following cement plugs:

    - **100 sxs Class C + 2% CaCl cmt from ~1050'**

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AFE: PX12399

- 50 sxs Class C + 2% CaCl cmt from ~450'

- ~35 sxs Class C + 2% CaCl cmt from 64' to surface

12. Tie pump onto surface csg x production annulus. Top off annulus w/ cmt as needed (cmt was circulated to surface during previous completion operations).

13. MIRU welder. Cut off casing 4' below ground level. Weld plate on top of surface casing. Plate should contain well name or API number and date of plugging. Plate should also have weep hole to enable monitoring of any future leakage of plugs. RDMO welder. Transfer tubing and casing to Cherokee yard.

14. RDMO WOR. Cut and cap well. Dig up anchors.

15. Release all equipment. Clean and restore location.

Randall Crawford – Production Engineer

David Cummings – Workover Engineer

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Current

Spud: 6/30/2012

Field	Pleasant Valley
County	Ford
State	KS
Well	Bones 2821 1-11H
Location	SEC 11, TWP 28S, RGE 21W
Elevations	2356' KB; 2336' GL

Wellbore Schematic

15-057-20813
API No.

Original Completion () x
Current x
Proposed

Well Bore Data	MD	TVD
20" 106.5# J-55 Conductor @	108'	108'
23 jts 9-5/8" 36# J-55 LT&C Csg @	1,007'	1,007'

Cplg OD=10.625", ID=8.921" Drift=8.765", Collapse=2020 psi, Internal Yield=3520 psi
Cmt'd w/ 250 sx Extendacem lead @ 12.4 ppg (Yield=2.12), followed by 175 sx Swiftcem tail @ 15.6 ppg (Yield=1.20). Circulated cement to surface.

Tbg Detail	LENGTH	Top
162 jts 2-7/8" 6.5# J-55 EUE 8rd tbg	4,852.28'	20.'
Discharge (2-7/8" 8rd)	.55'	4,872.28'
78 Stage P-35 400 Series Pump (PMHVSSD)	23.55'	4,872.83'
78 Stage P-35 400 Series Pump (PMHVSSD)	23.52'	4,896.38'
78 Stage P-35 400 Series Pump (PMHVSSD)	23.55'	4,919.9'
19 Stage P-50 400 Series Pump (PMHVSSD)	7.04'	4,943.45'
20 Stage GINPHSL 400 Series Pump	8.52'	4,950.49'
Gas Separator (400GSHVV)	2.7'	4,959.01'
Seal (400 DB)	6.1'	4,961.71'
234 HP Motor (2540 V, 59 amps)	34.65'	4,967.81'
Sensor (Centinel 3)	4.1'	5,002.46'
		5,006.56'

Tangent from 4,827' to 5,020'	Tangent @ 50°	
Top of Liner (54° inclination) @	5,059'	4,889'
122 jts 7" 26# P-110 LT&C Csg @	5,421'	4,998'

26#: Cplg OD=7.656", ID=6.276" Drift=6.151", N-80 Collapse=5410 psi, Internal Yield=7240 psi, P-110 Collapse=6210 psi, Internal Yield=9960 psi
Cmt'd w/ 200 sx Econocem (13.6 ppg, 1.54 yield) tailed by 100 sx Halcem (15.6 ppg, 1.19 yield). Full returns throughout job.
Set @ 88°

PBTD @	9,553'	4,961'
103 jts 4-1/2" 11.6# N-80 LT&C @	9,645'	4,956'

Cplg OD=5.00", ID= 4.000", Drift=3.875", Collapse=6350 psi, Internal Yield=7780 psi
Cmt'd w/ 475 sx 50/50 POZ Standard Econocem (13.6 ppg, 1.54 yield). Drilling tagged cement at 4892' and drilled out cement to TOL @ 5059'

30" Hole

12-1/4" Hole
MW 8.4-9.4 ppg

TOC 7" est.
@ 4,100'

8-3/4" Hole to 5450'
MW 8.7-9.4 ppg

6-1/8" Hole
MW: 8.3-9.1 ppg

TD: 9,645' MD / 4,956' TVD

Kevin Thompson

2/18/2013

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

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

September 18, 2015

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

Re: Plugging Application
API 15-057-20813-01-00
Bones 2821 1-11H
NE/4 Sec.11-28S-21W
Ford County, Kansas

Dear Wanda Ledbetter:

The Conservation Division has received your Well Plugging Application (CP-1).

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 1 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 1's phone number is (620) 225-8888. Failure to notify DISTRICT 1, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well. Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after March 18, 2016. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

The March 18, 2016 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff. Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,
Production Department Supervisor

cc: DISTRICT 1