



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 #: _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____

API No. 15 - _____
If pre 1967, supply original completion date: _____
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
County: _____
Lease Name: _____ Well #: _____

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: _____ Set at: _____ Cemented with: _____ Sacks
Production Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

List (ALL) Perforations and Bridge Plug Sets:

Elevation: _____ (G.L. / K.B.) T.D.: _____ 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):

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: _____
Address: _____ City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____
Plugging Contractor License #: _____ Name: _____
Address 1: _____ Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____

Proposed Date of Plugging (if known): _____

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

Submitted Electronically



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 # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____ Fax: (_____) _____
Email Address: _____

Well Location:
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____
Lease Name: _____ Well #: _____

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

Surface Owner Information:

Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____

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.

I Submitted Electronically

I

Form	CP1 - Well Plugging Application
Operator	SandRidge Exploration and Production LLC
Well Name	Barbara 3404 1-4H
Doc ID	1254228

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
4848	8674	Mississippian	



AFE: PX12507

Well Name:

Barbara 3404 1-4H

API Number:

15-191-22732

AFE#

PX12507

Corp ID#

126322

Field:

Bluff Creek

County, State:

Sumner, KS

Legals:

Sec 4 T 34S R4W

Surface Location:	350'	FSL	1551'	FWL	
BH Location:	602'	FNL	661'	FWL	
Elevation:	1232'	KB		DF	1217'
Depths:	8732'	MD	8722'	PRTD	2432' MD (TOC)

Engineer: Andrew Schreiner (432) 557-9685 c aschreiner@sandridgeenergy.com
 Production Foreman: Nathan Drake (405) 834-5542 c ndrake@sandridgeenergy.com
 Production Superintendent: Alan Whipple 405-394-0853 (c) awhipple@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	ST&C	36#	0.0773	3520	2020	0'	476'
Int	8.75"	7.000"	6.276"	6.151"	P-110	LT&C	26#	0.0382	9960	6210	0'	5345'
Liner	6.125"	4.500"	4.000"	3.875"	N-80	LT&C	11.6#	0.0155	7780	6350	5,276'	8,732'

Directions

FROM THE JCT. OF ST. HWY. 44 E-W & ARGONIA BLACKTOP ROAD, GO 3 MILES SOUTH TO THE SW COR. OF SEC. 4-34S-4W.

- What's New:**
- 1) **Plug and Abandon well.**
 - 2) **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.**
 - 3) **Contact Jared Riffe (405) 630-9397 with Baker Hughes for spooler & ESP Recovery**
 - 4) **Contact Gabriel w/ NOV for wellhead info at (405) 642-1202.**
 - 5) **Remove tbg and ESP. Cut free csg and remove.**
 - 6) **Use laydown machine while laying down tbg and csg.**
 - 7) **Salvage available equipment.**

Workover Summary

Plug and Abandon well. Remove ESP and tbg. Set CLBP and cap w/ cement. Pull csg and cut free pipe. TOOH 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.

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

Detailed Procedure

1. MPRU 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. Blow down well. Have pump capable of pumping at ½ - 5 BPM, depending on well kick severity, to kill well as necessary.
3. ND B-1 Adapter. **Verify that csg valves are shut-in.** NU 7-1/16" 3K Annular BOP. **Function test BOP prior to NU.**

4. TOOH while standing back pipe w/ :
 - i. 157 jnts 2-7/8" 6.5# J-55 8 rnd
 - ii. 2.313" XN Nipple (w/ 2.205 No Go)
 - iii. 1 – 10' 2-7/8" sub
 - iv. Discharge
 - v. 70 stg Flex 31 400 PMSXD
 - vi. 70 stg Flex 31 400 PMSXD
 - vii. 96 stg Flex 31 400 PMSXD
 - viii. 47 stg HV SXD 400 PM
 - ix. GASSEP 400 GSTHVV
 - x. FSB3DB H6 FER SSCV Seal
 - xi. 216/2345/59 450ST Motor
 - xii. Centinel III
 - xiii. Anode
5. Send ESP with Baker to be pit tested and returned to inventory.
6. PU and RIH w/ 7" 10K CIBP. **Set CIBP @ Per KCC'**. Unlatch from CIBP.
7. Use current 2-7/8" tbg and haul in additional needed 2-7/8" 6.5# J-55 tbg.
8. Spot **Per KCC'** sxs Class C cement mixed at 14.8 ppg and yield of 1.32 cf/sk on top of CIBP set @ **Per KCC'**. TOOH w/ tbg to **Per KCC'**. Circulate hole w/ plugging mud (density ≥ 9 ppg and viscosity ≥ 36 cp). TOOH w/ tubing.
 9. ND 7-1/16" 3K Annular BOP.
 10. NU 11" 3k Manual BOP.
 11. Pull stretch on 7" 26# P-110 csg to verify freepoint. MIRU WL w/ split shot to freepoint. Locate casing collar, shoot off casing. TOOH w/ tools. TOOH w/ 7" csg and lay down.
 12. Ensure that the KCC representative has been contacted **620-2252-8888** to verify cmt plugs.
 13. ND 11" 3k manual BOP.
 14. NU 7-1/16" 3K double manual BOP (2-7/8" pipe rams on top and blind rams on bottom) on top of B-section.
 15. TH w/ SN and ~**Per KCC'** 2 7/8" 6.5# J-55 tubing. Spot the following cement plugs:
 - **Per KCC'** sxs Class C + 2% CaCl cmt from ~ **Per KCC'**
 - **Per KCC'** sxs Class C + 2% CaCl cmt from ~ **Per KCC'**
 - ~ **Per KCC'** sxs Class C + 2% CaCl cmt from **Per KCC'** to surface.
 16. Tie pump onto surface csg x production annulus. Top off annulus w/ cmt as needed.
 17. **Make sure Hot Work permit has been obtained.**
 18. 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.
 19. RDMO WOR. Cut and cap well. Dig up anchors.
 20. Release all equipment. Clean and restore location.




AFE: PX12507

Job Authorization –

This job has been written, reviewed and approved for distribution by:



Andrew Schreiner – Production Engineer



David Cummings – Workover Engineer

FOR David Cummings
 COMPANY Sand Ridge Energy
 SUBJECT PdA Barbara 3404 # 1-4H
Sumner City, KS Sec 4

JOB OR AUTH. NO. 350fsl & 1550fwl
 PAGE 15-191-22732-01-00
 DATE 5/29/15
 BY Ronnie Orr

345-4W NW/SE/1SW

PdA Procedure w/cost

20"
 60'

9 5/8"
 36 #
 476'

2 7/8"
 @
 5149'

7"
 700 @
 1985'

5276'
 7"
 26 #
 P-110
 5345'

- 1) MIRUSU set laydash machine & pipe racks Unflange & NU BOP. POT w/ 2 7/8 Tbg.
- 2) PU 7" 10K Tbg set CTBP, GTH & set CTBP @ 5226' release tbg, circ hole w/ 175 bbl mud & spot 45 SKS Class "C" cement on top of CTBP. POT w/ 4 tbg.
- 3) NA BOP. Unpack 7" CSs & weld on 7" Pull sub. Pull 7" slips & NU 11" Hydril. Cut & pull free pipe.
- 4) TIT w/ 4 tbg, mix & spot following cement plugs:
 - a) 800' - 648' - 50 SKS Class "C" Cement
 - b) 525' - 373' - 50 SKS Class "C" Cement
 - c) 250' - surface - 85 SKS Class "C" Cement.
- 5) POT w/ 4 tbg. RD MAIN Cut & cap well Dig up rig anchor

Cost
 \$ 38,650 00'

Salvage

5149' - 2 7/8 Tbg @ 1 20/4 = 6178 80
 1500' - 7" 26 # CSs @ 2 50/4 = 3750 00'
 \$ 9928 80

5423'

7635'

8732'

4 1/2 @ 11.6 N-80

June 08, 2015

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

Re: Plugging Application
API 15-191-22732-01-00
Barbara 3404 1-4H
SW/4 Sec.04-34S-04W
Sumner County, Kansas

Dear Tiffany Golay:

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

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 2 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 2's phone number is (316) 630-4000. Failure to notify DISTRICT 2, 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 December 08, 2015. 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 December 08, 2015 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 2