



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

Form	CP1 - Well Plugging Application
Operator	SandRidge Exploration and Production LLC
Well Name	Garlow 3406 2-16H
Doc ID	1275154

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
4898	8781	Mississippi	



AFE: PX12588

Well Name: Garlow 3406 2-16H

API Number: 15-077-21904
 AFE# PX12588
 Corp ID# 125053
 Field: Haas West
 County, State: Harper KS
 Legals: Sec 16 T34S R7W

Surface Location:	225'	FNL	660'	FWL	
BH Location:	336'	FSL	736'	FWL	
Elevation:	1318'	KB	KB=15'	1303'	GL
Depths:	8900'	MD	8809'	PBTD	2305' TOC (estimated)

Engineer: Andrew Schreiner (432) 557-9685 c aschreiner@sandridgeenergy.com
 Production Foreman: Nathan Drake (405) 834-5542 c ndrake@sandridgeenergy.com
 Production Superintendent: Luke Ream (405) 406-5522 lream@sandridgeenergy.com

CSG	Bit Size	OD	ID	Drift	Grade	Thd	Wt/Ft	Cap (bpf)	Burst	Collapse	Top	Set @
Surface	12.25"	9.625"	8.921"	8.765"	J-55	ST&C	36#	0.0773	3520	2020	0'	687'
Int	8.75"	7.000"	6.276"	6.151"	P-110	LT&C	26#	0.0382	9960	6210	0'	5,039'
Liner	6.125"	4.500"	4.000"	3.875"	N-80	LT&C	11.6#	0.0155	7780	6350	4,716'	8,900'
Maximum allowable pressure is limited by 7" csg in the curve								6000 psi	(60% Burst)			

Cement Details												
7": Cmt w/ 120 sxs POZ 50/50 mixed at 13.6 ppg (Yield=1.54), followed by 190 sxs Hal: H @ 15.6 (Yield=1.19), FR												
4-1/2": Cmt w/ 510 sxs POZ 50/50 mixed at 13.6 ppg (Yield=1.51); BP @ 800#, FR, FH												
TOL: Baker RH Drop Off Sleeve w/ 5.25" ID X 10.5' L Extension (Min ID: 4.375")												

Directions

FROM ANTHONY KS., GO 4.5 MILES SOUTH ON ST. HWY 179, THEN 3 MILES EAST TO THE NW CORNER OF SEC. 16-34S-6W

What's New:

- 1) Plug and Abandon well. One jnt 2-7/8" tubing left in tubing head.
- 2) Fish currently in hole (see attached fishing job history detail, 14 day), previous fishing job was unsuccessful. ESP Motor, overshot, grapple, 5-1/2" washpipe, top sub, 3-1/2" IF Pin x 2-7/8" x-over all left in the hole.
- 3) Approx last known Top of Fish is at ~ 4698' MD
- 4) 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.
- 5) Contact Gabriel w/ NOV for wellhead info at (405) 642-1202.
- 6) Use laydown machine while laying down tbg and csg.
- 7) Salvage available equipment.
- 8) Be sure to scan for NORM with Geiger counter before sending tubing to yard

Workover Summary

Plug and Abandon well. Remove (1) jnt tubing. Set CIBP 50' above fish and cap w/ cement. Pull csg and cut free pipe. TOO H w/ csg. Set cmt plugs as needed. Cut and cap well. Remove rig anchors.



AFE: PX12588

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. 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. Blow down well. Have pump capable of pumping at ½ - 5 BPM, depending on well kick severity, to kill well as necessary.
3. ND Install BPV, ND production tree. Verify that csg valves are shut-in. NU 7-1/16" 3K BOP w/ 2-7/8" rams on top, blind rams on bottom. Function test BOP prior to NU.
4. TOOH standing back pipe w/ :
 - i. (1) jnt 2-7/8" 6.5# J-55 EUE 8rd tbg
5. Make up used/junk bit for well bore cleanout, pick up workstring. RIH and tag top of fish to verify depth (last know top of fish 4698' MD, slow 250' above depth and proceed with caution until contact is made). Note Any trouble zones in wellview.
6. TOOH racking back
7. PU and RIH w/ 7" 10K CIBP. Set CIBP @ Per KCC'. Unlatch from CIBP.
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 BOP.
10. NU 11" 3k Manual BOP with 7" rams on top and blind rams on bottom
11. Pull stretch on 7" 26# P-110 csg to verify freepoint
NOTE-TOC est at 2305' MD by volume calculations. MIRU WL w/ split shot to freepoint. Locate casing collar, shoot off casing. TOOH w/ tools. TOOH w/ 7" csg and lay down.
12. Transfer tubing and casing to yard. Note - **IT IS SOP FOR SANDRIDGE TO MAKE SURE ALL CASING AND TUBING REMOVED FROM A P&A WELL MUST BE SCANNED FOR NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM).** Make sure to scan all tublars removed from wellbore with Geiger counter before sending back to yard. Note scanning in wellview.



AFE: PX12588

13. Ensure that the KCC representative has been contacted **620-2252-8888** to verify cmt plugs.
14. ND 11" 3k manual BOP.
15. 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.
16. TIH w/ SN and ~Per KCC' 2-7/8" 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.
17. Tie pump onto surface csg x production annulus. Top off annulus w/ cmt as needed.
18. **Make sure Hot Work permit has been obtained and properly filled out. MAKE SURE QUAD GAS READINGS ARE TAKEN AND RECORDED before any ignition sources are used.**
19. 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 yard.
20. RDMO WOR. Cut and cap well. Dig up anchors.
21. Release all equipment. Clean and restore location.

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



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

January 06, 2016

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

Re: Plugging Application
API 15-077-21904-01-00
Garlow 3406 2-16H
NW/4 Sec.16-34S-06W
Harper 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 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 July 06, 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 July 06, 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 2