



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



Chesapeake Operating, Inc. Interoffice Memorandum

TO: Don Glover
CC: Walter Kennedy, Doug Martin, Chris McKone, Bud Neff
FROM: Doug Kathol (CM)
DATE: May 22, 2014
RE: Plug and Abandon

Hanke 1-6
SEC 6-T35S-R36W
Stevens County, Kansas

Property No: 218631

Chesapeake Energy GWI = 100% NRI = 87.5%

Recommendation

The referenced well is recommended for plugging and abandonment.

Discussion

The Hanke 1-6 was producing approximately 40 MCF and 140 BW per day when it was abandoned in June 2004. The well was drilled in 1956 to a total depth of 6,871 feet and completed in the Toronto formation. Cumulative production from this well has been 2.4 BCF of natural gas.

Geology has determined no uphole potential and the well has been temporarily abandoned. The lease has expired and Chesapeake has plugging liability.

The gross estimate AFE cost to P&A the well is \$50M (\$50M net to COI). Partner approval will not be necessary to commence operations.

Your approval is respectfully requested.

Hanke 1-6
P&A
4-24-2014

Well Data

Well Name: Hanke 1-6 W.I. = 100.00 N.R.I. = 87.50

Location: C SE NW, Section 6-T35S-R36W

County: Stevens County, KS

API #: 15-189-00001 PN: 218631 AFE#:

TD: 6,871' PBDT: Elevations: KB – 3,091' (12.5'), GL – 3,078.5'

Formations

Name	Type	Top	Bottom	Perforations	Comments
Toronto				4284-4288	
Morrow				6267-6312	Isol by CIBP
St. Louis				6746-6753	Isol by CIBP

Tubulars

Surface Casing: 18 jts 10 3/4" 32.75# H40 0' - 700'
Cemented with 300 sacks cement, circulated to surface.

Intermediate Casing: 71 jts 7 5/8" 26.40# & 29.70# 0' - 2,882'
Cemented with 550 sacks cement

Production Casing: 202 jts 4 1/2" 11.35# J-55 Hydril FJ and
28 jts 4 1/2" 9.5# J-55 STC 2764' – 6,849'
Cemented with 250 sacks cmt
(TOC – 5900' & 4000')

Production Casing: 88 jts 5 1/2" 15.5# J-55 8rd 0' – 2,764'
Cemented with 100 sacks cmt

Production Tubing: 2 3/8" set @ 5291' (5/12/2004)

Rods/Pump: rods & pump set @ 5291' (5/12/2004).

Other in Hole: CIBP's @ 6710, 6200 & CICR @ 4400'.

Hanke 1-6
P&A
4-24-2014

Pipe	ID	Drift	Bbls/ft	Burst	Collapse	%
10 3/4", 36#, J55	10.192	10.036	0.0998	1820	650	100
7 5/8", 26.4# J-55	6.969"	6.844"	0.0471	4140	2890	100
7 5/8", 29.7# N-80	6.875"	6.750"	0.0459	6890	4790	100
5 1/2", 15.5#, J-55	4.950"	4.825"	0.0238	4810	4040	100
4 1/2", 9.5#, K-55	4.090"	3.965"	0.0162	4380	3310	100
4 1/2", 11.35#, J-55	3.925"	3.875"	0.0151	5350	4960	100

Hanke 1-6
P&A
4-24-2014

Procedure

1. Notify KCC District 1 at least 5 days before plugging operations
KCC District 1: (620)225-8888
2. MIRU WOR, POOH with pump & rods. ND WH, NU BOP, TOO H with tubing
3. PU 5 ½" CIBP, TIH with plug and set at ±2450'. Dump 2 sx cement w/2% CaCl₂ on top of CIBP (Plug 1). TOO H w/tubing while circulating plugging mud.
4. RU to pull 5 ½" casing and weld on pull nipple. PU on casing, MIRU WLU and RIH w/tools and locate freepoint. RIH w/cutting tools and cut casing above freepoint (estimated ~315'). POOH with WL tools and TOO H with 5 ½" casing laying down.
5. TIH with tubing, pump the following plugs in casing/open hole displacing with plugging mud:

Plug 2: Shoe & FW Plug (1000'-800')	70 sx. w/ 2% CaCl ₂
Plug 3: Surface plug (34'-4')	10 sx. w/ 2% CaCl ₂
6. Cut off casing 4ft. below ground level, weld on steel ID plate. RDMO WOR.

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/>

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

Sam Brownback, Governor

June 11, 2014

Sarah Rodriguez/Doug Kathol
Chesapeake Operating, Inc.
6100 N WESTERN AVE
PO BOX 18496
OKLAHOMA CITY, OK 73118-1046

Re: Plugging Application
API 15-189-00001-00-01
Hanke 1-6
NW/4 Sec.06-35S-36W
Stevens County, Kansas

Dear Sarah Rodriguez/Doug Kathol:

This letter is to notify you that the Conservation Division has received your plugging proposal, form CP-1, for the above well and has reviewed the proposal for completeness. The central office will now forward your CP-1 to the district office listed below for review of the proposed plugging method. **Please contact the district office for approval of your proposed plugging method at least five (5) days before plugging the well, pursuant to K.A.R. 82-3-113(b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit in accordance with K.A.R. 82-3-600.**

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well. This notice in no way constitutes authorization to plug the above well by persons not having legal rights of ownership or interest in the well.

This notice is void after December 08, 2014. The CP-1 filing does not bring the above well into compliance with K.A.R 82-3-111 with regard to the Commission's temporary abandonment requirements.

Sincerely,
Production Department Supervisor

cc: District 1

(620) 225-8888