

#### Kansas Corporation Commission Oil & Gas Conservation Division

1205181

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 #:		API No. 1	5							
Name:		If pre 196	If pre 1967, supply original completion date:							
Address 1:		Spot Des	cription:							
Address 2:		_	Sec Twp	p S. R	East West					
City: State:		T	Feet from	North / South	Line of Section					
Contact Person:		_	Feet from	East / West	Line of Section					
Phone: ( )		Footages	Calculated from Neares		ner:					
Filone. ( )				SE SW						
			ame:							
		Lease IVe	arrie.	VVen #.						
Check One: Oil Well Gas Well OG	D&A Car	thodic Wate	r Supply Well Ot	ther:						
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					
Elevation: ( G.L. / K.B.) T.D.:  Condition of Well: Good Poor Junk in Hole  Proposed Method of Plugging (attach a separate page if adding  Is Well Log attached to this application? Yes No. 1f ACO-1 not filed, explain why:	Casing Leak at:			tone Corral Formation)						
Plugging of this Well will be done in accordance with K. Company Representative authorized to supervise plugging										
Address:	(	City:	State:	Zip:	-+					
Phone: ( )										
Plugging Contractor License #:		Name:								
Address 1:	A	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



#### Kansas Corporation Commission Oil & Gas Conservation Division

1205181

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.

OPERATOR: License #	Well Location:
Name:	
Address 1:	County:
Address 2:	Lease Name: Well #:
City: State: Zip:+	g
Contact Person:	the lease below:
Phone: ( ) Fax: ( )	-
Email Address:	-
Surface Owner Information:	
Name:	
Address 1:	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
Address 2:	and the second in the construction of the cons
City: State: Zip:+	-
	ank batteries, pipelines, and electrical lines. The locations shown on the plat I on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.
owner(s) of the land upon which the subject well is or will be	e Act (House Bill 2032), I have provided the following to the surface e located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form being filed is a Form C-1 or Form CB-1, the plat(s) required by this , and email address.
	Lacknowledge that hecourse I have not provided this information, the
	owner(s). To mitigate the additional cost of the KCC performing this ss of the surface owner by filling out the top section of this form and
KCC will be required to send this information to the surface task, I acknowledge that I must provide the name and address that I am being charged a \$30.00 handling fee, payable to the	owner(s). To mitigate the additional cost of the KCC performing this so of the surface owner by filling out the top section of this form and e KCC, which is enclosed with this form.  If the fee is not received with this form, the KSONA-1
KCC will be required to send this information to the surface task, I acknowledge that I must provide the name and address that I am being charged a \$30.00 handling fee, payable to the If choosing the second option, submit payment of the \$30.00 handling fee.	owner(s). To mitigate the additional cost of the KCC performing this so of the surface owner by filling out the top section of this form and e KCC, which is enclosed with this form.  If the fee is not received with this form, the KSONA-1



## **Chesapeake Operating, Inc.**

#### **Interoffice Memorandum**

TO: Jay Stratton

CC: Walter Kennedy, Chris McKone, David Lynch and Bud Neff

FROM: Sara Everett, Doug Kathol

DATE: February 13, 2014

**RE:** Plug and Abandon

SHARP 1-29 Property Number: 218229

SECTION 29-T31S-R40W MORTON COUNTY, KS

Chesapeake Energy GWI: 100% NRI: 84.635%

#### Recommendation:

The Sharp 1-29 was producing approximately 10 MCF gas and 40 BW per day when shut in. The well was drilled in 1960 to a TD of 5,611 feet. Cumulative production has been 1.4 BCF and 405 BO.

Discussion:

# SHARP 1-29 Plug & Abandon Procedure MISSOURIAN VERTICAL 2/13/2014

Geologist :	Walter Kennedy
Reservoir Engineer:	Chris McKone
Production Engineer :	Doug Kathol
Landman:	David Lynch
Production Sup.:	Bud Neff

#### **WELL DATA:**

**Lease:** SHARP 1-29 **WI:** 1.000000 **NRI:** 0.846350

S-T-R: 29-T31S-R40W County, St: MORTON, KS

Location: C NW SE - 1980 FSL & 1980 FEL OF SECTION

**AFE #**: 803065 **API #**: 1512910129 **Prop. #**: 218229 **IP**: Unknown

**PBTD:** 3,211' **TD:** 5,611' **Spudded:** 5/16/1960

Type: VERTICAL Elevations GL: 3,322' KB: 3,331' KB-GL: 9'

**Surface Casing:** 

						SET D	EPTH	
SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	TOP	BTM	
8-5/8"	24.00#	J-55	Surface Casing	825	Surface	Surface	1,580'	
4-1/2"	9.50#	J-55	Production Casing	160+650	3,600'	Surface	5,554'	
2-3/8"	4.70#	J-55	Tubing			Surface	3,193'	

#### **Production Casing and Tubing Data:**

SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St
4-1/2"	9 50#	J-55	4.0900"	3.9650"	0.0162	0.68250	4 380	3 310	101

#### **Well Driving Directions:**

KINSLER PLANT 1N, 2 1/2W, 3/4S, E INTO

Perf'd Formations	Depth Range	Stimulation Details
Treatable Water	500	
Stone Corral	1580	
MISSOURIAN	3188' - 3192'	2,000 gal 15% acid
PENNSYLVANIAN	4370' - 4394'	Shut in via CIBP @ 3,212
MORROW	5288' - 5291'	Shut in via CIBP
MISSISSIPPI	5480' - 5484'	Shut in via CIBP

**NOTES:** The Sharp 1-29 was producing approximately 10 MCF gas and 40 BW per day when shut in. The well was drilled in 1960 to a TD of 5,611 feet. Cumulative production has been 1.4 BCF and 405 BO.

#### **Procedure**

- 1. Obtain plugging permit from KCC office and notify plugging supervisor 24 hrs. before plugging operations begin.
- 2. MIRU WO unit. ND WH, NU BOP. Kill well if necessary with lease water.
- 3. POOH laying down downhole equipment. Stand back tbg in derrick.
- 4. MIRU WL Unit and RIH with 4½" CIBP and set at +/-50' above perfs. Dump bail 10' of cement on CIBP. RDMO WL unit.
- 5. RIH w/ tbg, set EOT @+/-50' above CIBP and circulate hole with 9#, 36 vis (minimum plugging mud and circulate plugging mud to surface). TOOH w/tbg.
- 6. PUH with tubing. Circulate cement across the 8-5/8" csg shoe and spot 100' cement cmt plug. (See note)
- 7. PUH with tubing. Circulate cement across Base of Treatable Water and spot 100' cmt plug. WOC and POOH.
- 8. RIH with tubing and tag cement plug. Respot more cement if necessary.
- 9. PUH with tbg to 34' and spot 30' cement plug (34' to 4') from surface.
- 10. RDMO WO unit. Cut off csg 4' below ground level and weld on ID Plate.

**NOTE**: If 4½" casing cannot be cut off below surface casing shoe, the 5 1/2" casing must be perforated at surface casing shoe and block squeezed, raising cement to 50' above the surface csg shoe depth. The cement plug must then be tagged at 50' from shoe or higher. Go to step #9.

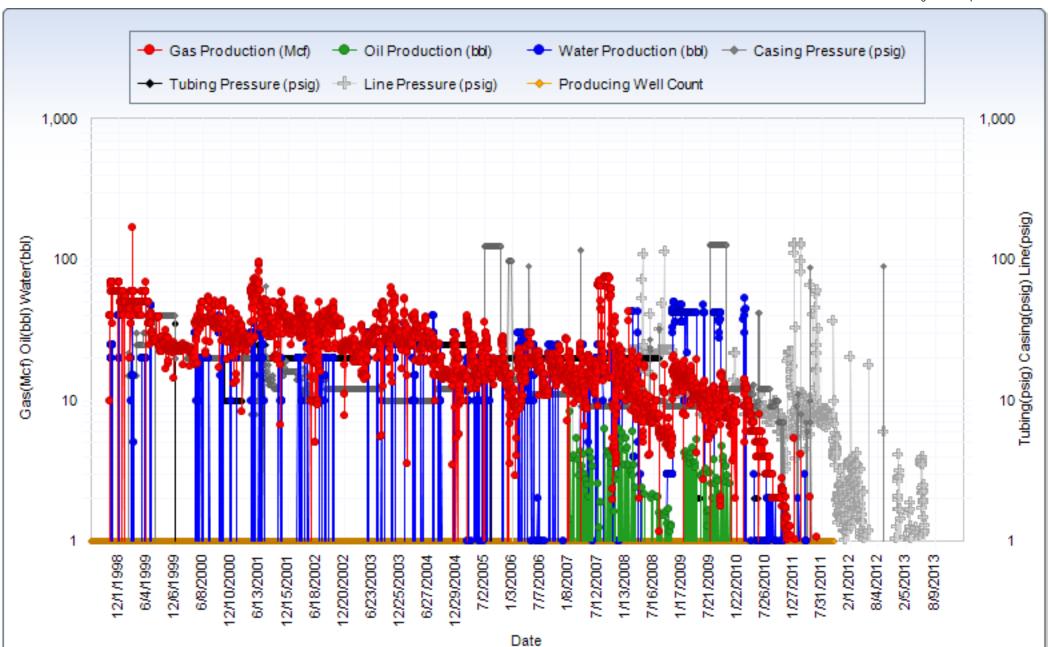


#### Chesapeake Energy Corporation

CST Production Monitor Export SHARP 1-29 (MISSOURIAN)

1/1/1900 - 2/4/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Zone: SHARP 1-29 (MISSOURIAN) in Route: GAR-KS-Route 09A - Lolo Martinez Asset Manager: Doug Kathol Production Foreman: Dennis Frick Date Range Cum Gas Prod (Mcf): 105,527 Date Range Cum Oil Prod (bbl): 302 Date Range Cum Water Prod (bbl): 19,510 Production Setting: Rod Pump - PU-GAS-MAN





## Chesapeake Energy Corporation CST Operations 8/8ths LOS Report

#### Totals

12/2012 - 11/2013 Gross Volumes | Operated Wells

Name Property	Gas Price	Oil Price	NGL Price	Royalty Burden	Revenu	e MCI	FE To	otal DE	LOE/MCFE	Ad Val	Compression	Overl	head R	R&M SV	WD S	Subsurface	Utilities	Workove	All Other	Sev Tax	Op Cash Flow	Capital	Net Cash Flow
Totals	\$4.91		\$0.00	20.00.		0		596	\$0.00			0	0	152	0	C	0	C				4	600
Line Item		12/201	2		0	1/2013				03/20	13			05/201	13			09/201	3			Total	
Gas Revenue Volume				0				0				0				0				0			0
Gas Sales				0				0				0				0				0			0
Gas Value				\$0				\$0				\$0				\$0				\$0			\$0
Gas Price				\$4.97 0				\$4.61 0			\$4.	0				\$5.43 0				\$4.83			\$4.91
Oil Revenue Volume Oil Sales				0				0				0				0				0			0
Oil Value				\$0				\$0				\$0				\$0				\$0			\$0
Oil Price			(	84.08			\$	90.67			\$91.					\$90.64			\$1	02.07			\$91.72
Royalty Burden				0			Ψ	0.07			ψ51.	0				φ30.04			Ψι	02.07			0
Royalty Percent			0.153	65000			0.1536	35000			0.153650	00			(	0.15365000			0.1536	35000		(	0.15365000
Revenue				0				0				0				0				0			0
MCFE				0				0				0				0				0			0
LOE Total				130				0				05				47				314			596
LOE Per MCFE				\$0.00				\$0.00			\$0.	00				\$0.00				\$0.00			\$0.00
Ad Valorem Tax				130				0				0				0				0			130
Audit Charges				0				0				0				0				0			0
Company Labor				0				0				0				0				0			0
Compression				0				0				0				0				0			0
Contract Serv/Equip Rental				0				0				0				0				0			0
Field Facilities				0				0				0				0				0			0
Fuel Water Lube				0				0				0				0				0			0
Gas Processing				0				0				0				0				0			0
Insurance				0				0				0				0				314			314
Oil Processing				0				0				0				0				0			0
Other Expenses				0				0				0				0				0			0
Overhead				0				0				0				0				0			0
Pumping Service				0				0				0				0				0			0
Regulatory				0				0				0				0				0			0
Rents And Fees				0				0			_	0				0				0			0
Repairs & Maintenance				0				0			1	05				47 0				0			152
Salt Water Disposal Salt Water Processing				0				0				0				0				0			0
Subsurface Repairs				0				0				0				0				0			0
Supplies				0				0				0				0				0			0
Telemetry				0				0				0				0				0			0
Transportation				0				0				0				0				0			0
Treating Expenses				0				0				0				0				0			0
Utilities				0				0				0				0				0			0
Workover				0				0				0				0				0			0
Gas Severance Tax				0				0				0				0				0			0
Oil Severance Tax				0				0				0				0				0			0
Severance Tax				0				0				0				0				0			0
IDC Monthly				0				0				0				0				0			0
WEQ Monthly			0.040	0			0.0400	4			0.040050	0			,	0			0.040	0			4
NRI			0.846				0.8463				0.846350					0.84635000			0.8463				0.84635000
GWI Operating Cash Flow			1.000	(130)			1.0000	00000			1.000000				1	1.00000000			1.0000	(314)			1.00000000 (596)
Capital				0				4			(10	0				(47) 0				(314)			(596)
Net Cash Flow				(130)				(4)			(10					(47)				(314)			(600)
Not Guerrion				(100)				( ' /			(10	0)				(11)				(011)			(000)

#### Current Wellbore Schematic

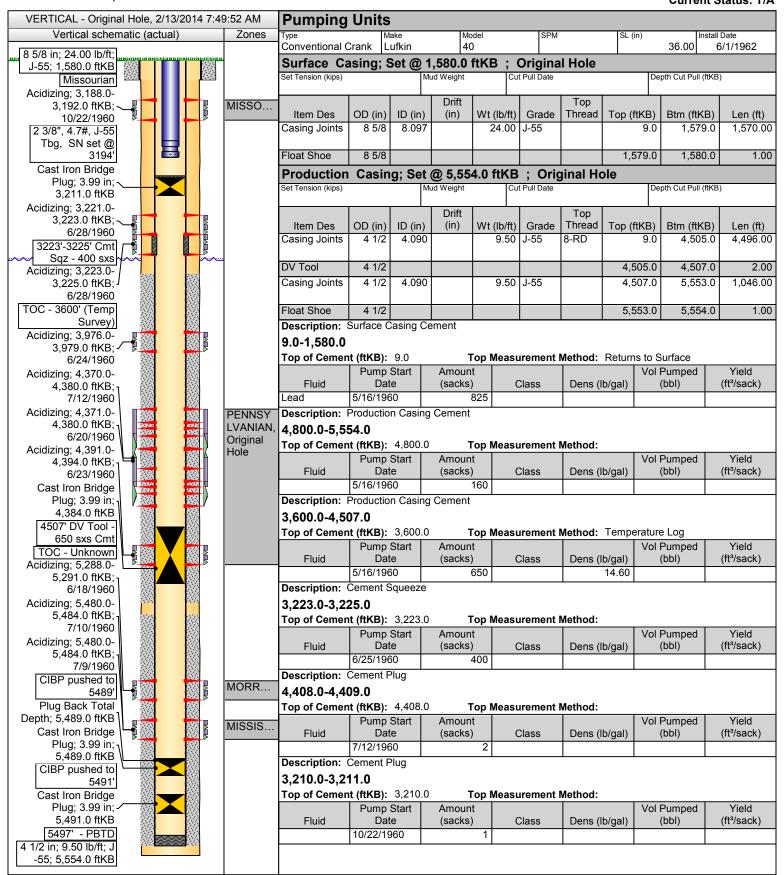
WELL (PN): SHARP 1-29 (218229) FIELD OFFICE: GARDEN CITY

**KINSLER** FIELD:

STATE / COUNTY: KANSAS / MORTON LOCATION: SEC 29-31S-40W, 1980 FSL & 1980 FEL ROUTE: GAR-KS-ROUTE 09A - LOLO MARTINEZ GL: 3,322.0 KB: 3,331.0 KB Height: 9.0

DEPTHS: TD: 5,611.0

API#: 1512910129 Serial #: SPUD DATE: 5/16/1960 **RIG RELEASE:** 1ST SALES GAS: 6/1/1962 1ST SALES OIL: **Current Status: T/A** 



### **Current Wellbore Schematic**

WELL (PN): SHARP 1-29 (218229)
FIELD OFFICE: GARDEN CITY
FIELD: KINSLER
STATE / COUNTY: KANSAS / MORTON
LOCATION: SEC 29-31S-40W, 1980 FSL & 1980 FEL
ROUTE: GAR-KS-ROUTE 09A - LOLO MARTINEZ
ELEVATION: GL: 3,322.0 KB: 3,331.0 KB Height: 9.0
DEPTHS: TD: 5,611.0

API#: 1512910129 Serial #: SPUD DATE: 5/16/1960 RIG RELEASE:
1ST SALES GAS: 6/1/1962
1ST SALES OIL:
Current Status: T/A

VERTICAL - Original Hole, 2/13/	2014 7:4	19:52 AM	<b>Tubing Stri</b>	ng: Tul	ing - I	Produc	ction						
Vertical schematic (actual) Zones		Set Depth (ftKB)   Wellbore   Run Date   Pt   3,194.0   Original Hole   10/22/1960							e	Cut Pull Date	Depth Cut	Pull (fl	
8 5/8 in; 24.00 lb/ft;		m.	3,194.0	Original	OD		Drift	Wt		Top	Btm		
J-55; 1,580.0 TKB			Item De	es	(in)	ID (in)	(in)	(lb/ft)	Grade	(ftKB)	(ftKB)	Len (ft)	Jts
Missourian	(60,00		Tubing		2 3/8	1.995	1.901	4.70	J-55	9.0	3,193.0	3,184.00	10
Acidizing; 3,188.0-		14000	Seal Nipple		2 3/8					3,193.0	3,194.0	1.00	
3,192.0 ftKB;	Z	MISSO								1 0,10010	<u> </u>		
2 3/8", 4.7#, J-55			Perforation	ons									
Tbg. SN set @											Shot		
3194'											Dens (shots/f		
Cast Iron Bridge			Date		Zon	е		Top (ftl	KB)	Btm (ftKB)		Current Sta	atus
Plug; 3.99 in;			10/17/1972	MISSOU	RIAN, O	riginal H	ole	3,1	188.0	3,192.			
3,211.0 ftKB			6/28/1960	MISSOU	RIAN, O	riginal H	ole	3,2	221.0	3,223.	0 4.0	Squeezed	
Acidizing; 3,221.0- 3,223.0 ftKB;	<b>—</b>			MISSOU				3,2	223.0	3,225.	0 4.0	Squeezed	
6/28/1960	MMMM		I I	MISSOU		-			76.0	3,979.		Isolated	
3223'-3225' Cmt	Z			PENNSY					370.0	4,373.		Isolated	
Sqz - 400 sxs			6/20/1960						371.0	4,373.		Squeezed	
Acidizing; 3,223.0-	8000		7/12/1960	PENNSYL					377.0	4,373.		Isolated	
3,225.0 ftKB; <sup>J</sup>			2/22//222	PENNSYL					378.0	4,380.		Squeezed	
6/28/1960				PENNSY				· · · · · · · · · · · · · · · · · · ·		*			
TOC - 3600' (Temp Survey)				PENNSYL					391.0	4,394.		Squeezed	
Acidizing; 3,976.0-				MORRO	_				288.0	5,291.		Isolated	
3,979.0 ftKB;				MISSISS	•	<u> </u>		5,4	180.0	5,484.	0 4.0	Isolated	
6/24/1960			Stimulation	ons &	<b>Treat</b>	ment	S						
Acidizing; 4,370.0-			MISSOURIA	N <s1< td=""><td>age N</td><td>umber</td><td>?&gt; A</td><td>cidizin</td><td>a 10/</td><td>22/1960</td><td></td><td></td><td></td></s1<>	age N	umber	?> A	cidizin	a 10/	22/1960			
4,380.0 ftKB; 1			Min Top Dep Max					Q Treat Av		ISIP (psi)   Cor	nment		
7/12/1960			3,188.0	3,192.0		.00			<u> </u>	" /			
Acidizing; 4,371.0-		PENNSY	Sand S	Size		Tyl	ре		A	Amount		Conc (lb/gal)	)
4,380.0 ftKB; 6/20/1960	2000 2000	LVANIAN,											
Acidizing; 4,391.0-		Original Hole	PENNSYLV	ANIAN.	<sta< td=""><td>ae Nur</td><td>mber?</td><td>&gt;. Aci</td><td>dizina</td><td>. 7/12/19</td><td>060</td><td></td><td></td></sta<>	ae Nur	mber?	>. Aci	dizina	. 7/12/19	060		
4,394.0 ftKB; 1		TIOIC	Min Top Dep Max										
6/23/1960			4,370.0	4,380.0	48	.00							
Cast Iron Bridge	200		MISSISSIPF	PI, <sta< td=""><td>ige Nu</td><td>mber?</td><td>'&gt;, Ac</td><td>idizing</td><td>j, 7/10</td><td>)/1960</td><td></td><td></td><td></td></sta<>	ige Nu	mber?	'>, Ac	idizing	j, 7/10	)/1960			
Plug; 3.99 in;	1000 1000 1000		Min Top Dep Max				reat Pr	Q Treat Av	g Post	ISIP (psi) Cor	nment		
4,384.0 ftKB 4507' DV Tool -			5,480.0	5,484.0	190								
650 sxs Cmt	<mark>/</mark>		MISSISSIPF										
TOC - Unknown			Min Top Dep Max	5,484.0		1 ~	reat Pr	Q Treat Av	g Post	ISIP (psi) Cor	nment		
Acidizing; 5,288.0-			5,480.0			.00	0: 1		0/0	0//000			
5,291.0 ftKB; 1			MISSOURIA										
6/18/1960			Min Top Dep Max 3,221.0	3,223.0		n   Avg T .00	reat Pr	Q Treat Av	g Post	ISIP (psi) Cor	nment		
Acidizing; 5,480.0-	VVVV						25 4	a   el ! - ! ·	~ 0/0	0/4000			
5,484.0 ftKB; 7/10/1960			MISSOURIA Min Top Dep Max	AN, SI	age N	umber	'/>, A	CIGIZIN	g, 6/2	O/1960	amant		
			3,223.0	3,225.0		.00 Avg 1	reat Pr	Q Treat Av	g Post	ISIP (psi)  Cor	nment		
Acidizing; 5,480.0- 5,484.0 ftKB;			MISSOURIA				2> 1	cidizin	a 6/2	4/1960			
7/9/1960			Min Top Dep Max								nment		
CIBP pushed to			3,976.0	3,979.0		.00	reat i i	Q IICAL AV	9 11 031	1011 (p31) 1001	iiiiciit		
5489'		MORR	MISSOURI/		ane N	umher	?> A	cidizin	a 6/2	3/1960			
Plug Back Total			Min Top Dep Max							ISIP (psi) Cor	nment		
Depth; 5,489.0 ftKB \	1000 P	MISSIS	4,391.0	4,394.0		.00			3	( ( )			
Cast Iron Bridge			MISSOURI/	AN, <si< td=""><td>age N</td><td>umber</td><td>?&gt;, A</td><td>cidizin</td><td>g, 6/2</td><td>0/1960</td><td></td><td></td><td></td></si<>	age N	umber	?>, A	cidizin	g, 6/2	0/1960			
			Min Top Dep Max	Btm De	Total Clear	n Avg T					nment		
Plug; 3.99 in; \		1	4,371.0	4,380.0		.00							
Plug; 3.99 in; 5,489.0 ftKB				<stage< td=""><td>Num</td><td>her?&gt;</td><td>Acidi</td><td>izing,</td><td>6/18/19</td><td>960</td><td></td><td></td><td></td></stage<>	Num	her?>	Acidi	izing,	6/18/19	960			
Plug; 3.99 in; 5,489.0 ftKB CIBP pushed to			MORROW,	-Staye	INUITI	00 ,							
Plug; 3.99 in; 5,489.0 ftKB CIBP pushed to 5491'			Min Top Dep Max	Btm De	Total Clear	n Avg T		Q Treat Av	g Post		nment		
Plug; 3.99 in; 5,489.0 ftKB CIBP pushed to					Total Clear			Q Treat Av	g Post		nment		
Plug; 3.99 in; 5,489.0 ftKB CIBP pushed to 5491' Cast Iron Bridge Plug; 3.99 in; 5,491.0 ftKB			Min Top Dep Max	Btm De	Total Clear	n Avg T		Q Treat Av	g Post		nment		
Plug; 3.99 in; 5,489.0 ftKB  CIBP pushed to 5491'  Cast Iron Bridge Plug; 3.99 in; 5,491.0 ftKB  5497' - PBTD			Min Top Dep Max	Btm De	Total Clear	n Avg T		Q Treat Av	g Post		nment		
Plug; 3.99 in; 5,489.0 ftKB CIBP pushed to 5491' Cast Iron Bridge Plug; 3.99 in; 5,491.0 ftKB			Min Top Dep Max	Btm De	Total Clear	n Avg T		Q Treat Av	g Post		nment		

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/

Sam Brownback, Governor

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

May 16, 2014

Sarah Rodriguez/Doug Kathol Chesapeake Operating, Inc. 6200 N WESTERN AVE PO BOX 18496 OKLAHOMA CITY, OK 73118-1046

Re: Plugging Application API 15-129-10129-00-00 SHARP GU 1-29 SE/4 Sec.29-31S-40W Morton 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 November 12, 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