

Kansas Corporation Commission Oil & Gas Conservation Division

1204673

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. 15								
Name:		If pre 1967,	If pre 1967, supply original completion date:							
Address 1:	Spot Descr	Spot Description:								
Address 2:										
City: State:	. Zip: +		Feet from	North /	South Line of Section					
Contact Person:			Feet from	East /	West Line of Section					
Phone: ()		Footages C	Calculated from Neares	st Outside Section	Corner:					
, , , , , , , , , , , , , , , , , , ,		County	INE INV							
Check One: Oil Well Gas Well OG	D&A Ca	thodic Water S	Supply Well O	ther:						
SWD Permit #:	ENHR Permit #:		Gas Storage	Permit #:						
Conductor Casing Size:	Set at:	C	emented with:		Sacks					
Surface Casing Size:	_ Set at:	C	emented with:		Sacks					
Production Casing Size:	_ Set at:	C	emented 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 addituded in the separate page) Is Well Log attached to this application? Yes No If ACO-1 not filed, explain why:	Casing Leak at:ional space is needed):			Stone Corral Formation	7)					
Plugging of this Well will be done in accordance with K.: Company Representative authorized to supervise plugging of										
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



Kansas Corporation Commission Oil & Gas Conservation Division

1204673

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 #	_ Well Location:
Name:	
Address 1:	
Address 2:	Lease Name: Well #:
City: State: Zip:+	_ If filing a Form T-1 for multiple wells on a lease, enter the legal description or
Contact Person:	the lease helow:
Phone: () Fax: ()	_
Email Address:	-
Surface Owner Information:	
Name:	_ When filing a Form T-1 involving multiple surface owners, attach an additional
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:	county, and in the real estate property toy records of the county traceurer
City:	_
the KCC with a plat showing the predicted locations of lease roads, to	thodic Protection Borehole Intent), you must supply the surface owners and ank batteries, pipelines, and electrical lines. The locations shown on the plat d on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.
 □ I certify that, pursuant to the Kansas Surface Owner Notice owner(s) of the land upon which the subject well is or will be CP-1 that I am filing in connection with this form; 2) if the form form; and 3) my operator name, address, phone number, fax □ I have not provided this information to the surface owner(s). KCC will be required to send this information to the surface 	I acknowledge that, because I have not provided this information, the owner(s). To mitigate the additional cost of the KCC performing this ess of the surface owner by filling out the top section of this form and
If choosing the second option, submit payment of the \$30.00 handli form and the associated Form C-1, Form CB-1, Form T-1, or Form C	ing fee with this form. If the fee is not received with this form, the KSONA-1 CP-1 will be returned.
Submitted Electronically	
I	



Chesapeake Operating, Inc.

Interoffice Memorandum

TO: Jay Stratton

CC: Walter Kennedy, John Hudson, David Lynch and Bud Neff

FROM: Doug Kathol, Sara Everett

DATE: March 10, 2014

RE: Plug and Abandon

BOGNER 2-20

SECTION 20-T21S-R40W HAMILTON COUNTY, KS

Chesapeake Energy GWI: 100% NRI: 83.5%

Recommendation:

This well was producing approximately 12 MCF and 22 BW per day when it was TA'd in February of 2013. The well was drilled in 1991 with first sales reported in 1993. Cumulative production from this well has been 105 MMCF of gas.

Property Number: 218329

Discussion:

BOGNER 2-20 Plug & Abandon Chase Vertical 3/10/2014

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

WELL DATA:

Lease: BOGNER 2-20 **WI:** 1.000000 **NRI:** 0.835000

S-T-R: 20-T21S-R40W County, St: HAMILTON, KS

Location: C SE SE - 660 FSL & 660 FEL OF SECTION

AFE #: 803134 **API #**: 1507520489 **Prop. #**: 218329 **IP**: 150 MCFG

PBTD: 2,850' **TD**: 5,450' **Spudded**: 7/14/1991

Type: Vertical Elevations GL: 3,560' KB: 3,571' KB-GL: 11'

Casing and Tubing:

						SET [DEPTH
SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	TOP	BTM
8 5/8	24.00#	J-55	Surface Casing	600	11'	11'	1,368'
4 1/2	11.60#	K-55	Production Casing	960	2722' est	11'	2,947'
2 3/8	4.70#	J-55	Tubing			11'	2,845'

Production Casing and Tubing Data:

_	SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St
	4 1/2	11.60#	K-55	4.0000"	3.8750"	0.0155	0.65280	5,350	4,960	277
	2 3/8	4.70#	J-55	1.9950"	1.9010"	0.00365	0.16240	7,700	8,100	71,730

Well Driving Directions:

15M. N ON HWY 27, 2E, 1/8N, W INTO

Perf'd Formations Depth Range Stimulation Details

Treatable Water 1200' Stone Corral 2224' - 2350'

Chase 2772' - 2777' 35,000# SD + 20,000 GF

NOTES: The Bogner 2-20 was drilled to a total depth of 5450' in 1991. It was converted to a shallow gas well,

production casing set @ 2947'.

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 $4\frac{1}{2}$ " casing cannot be cut off below surface casing shoe, the 4 $1\frac{1}{2}$ " 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.

Current Wellbore Schematic

WELL (PN): BOGNER 2-20 (218329) FIELD OFFICE: GARDEN CITY

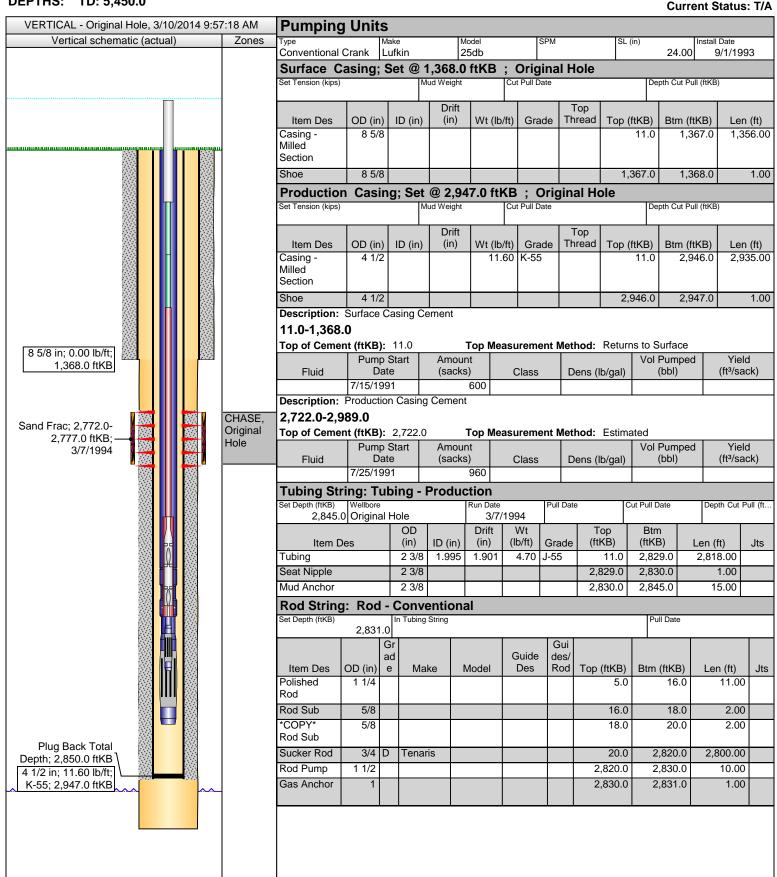
FIELD: Bradshaw

STATE / COUNTY: **KANSAS/HAMILTON** LOCATION: SEC 20-21S-40W, 660 FSL & 660 FEL ROUTE: GAR-KS-ROUTE 01C - CRAE BARR

ELEVATION: GL: 3,560.0 KB: 3,571.0 KB Height: 11.0

DEPTHS: TD: 5,450.0

API #: 1507520489 Serial #: SPUD DATE: 7/14/1991 **RIG RELEASE: 7/25/1991** 1ST SALES GAS: 9/1/1993 **1ST SALES OIL:**



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Report Printed: 3/10/2014

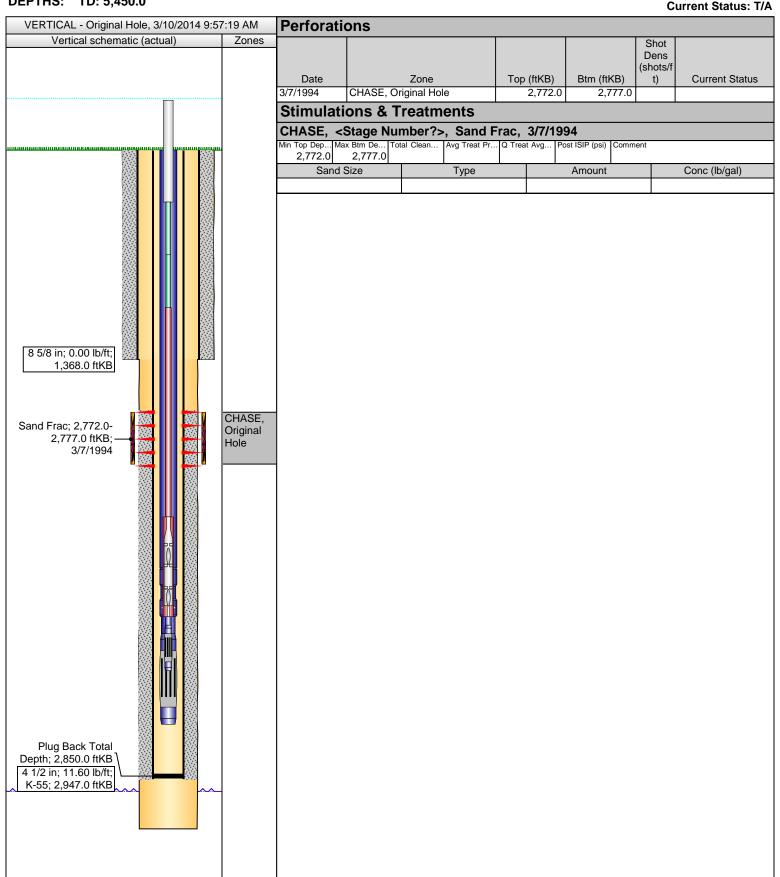
Current Wellbore Schematic

WELL (PN): BOGNER 2-20 (218329) FIELD OFFICE: GARDEN CITY

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FIELD: Bradshaw
STATE / COUNTY: KANSAS / HAMILTON
LOCATION: SEC 20-21S-40W, 660 FSL & 660 FEL
ROUTE: GAR-KS-ROUTE 01C - CRAE BARR
ELEVATION: GL: 3,560.0 KB: 3,571.0 KB Height: 11.0

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API #: 1507520489 Serial #: SPUD DATE: 7/14/1991 RIG RELEASE: 7/25/1991 1ST SALES GAS: 9/1/1993 1ST SALES OIL:



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Report Printed: 3/10/2014



Chesapeake Energy Corporation

CST Production Monitor Export BOGNER 2-20 (CHASE)

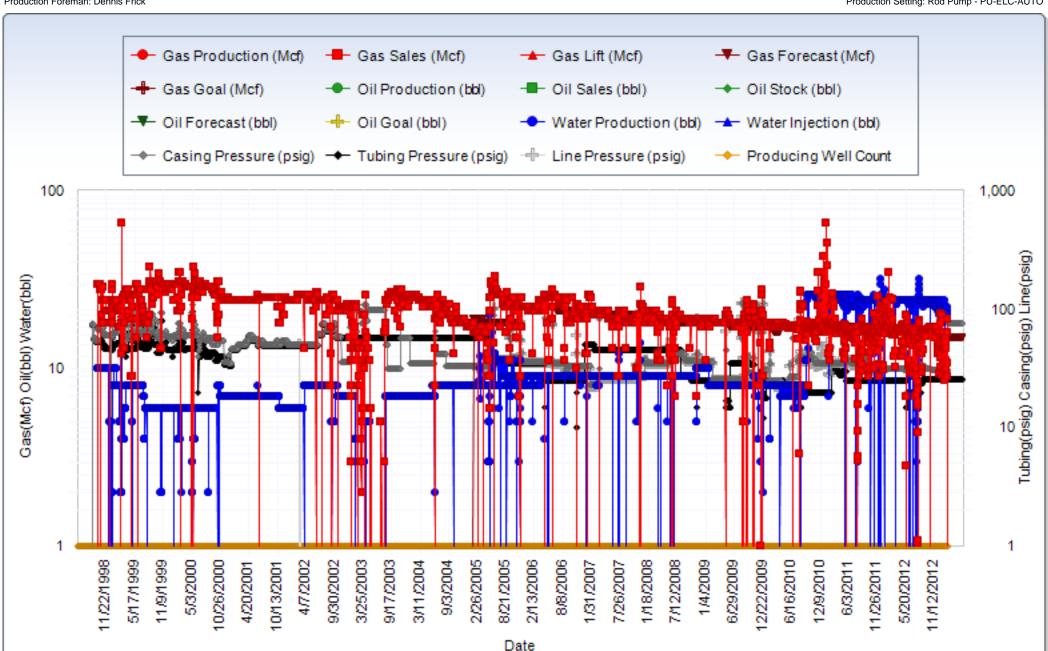
1/1/1900 - 3/9/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Zone: BOGNER 2-20 (CHASE) in Route: GAR-KS-Route 01C - Crae Barr Production Engineer: Doug Kathol Production Foreman: Dennis Frick Date Range Cum Gas Prod (Mcf): 105,111

Date Range Cum Oil Prod (bbl): 0

Date Range Cum Water Prod (bbl): 52,026

Production Setting: Rod Pump - PU-ELC-AUTO





Chesapeake Energy Corporation CST Operations 8/8ths LOS Report

LOS MAIN

01/2013 - 12/2013 Gross Volumes | Operated Wells

	LENEKUT																					
Name	Property	Gas	Oil	NGL	Royalty	Revenue	MCFE	Total	LOE/MCFE	Ad	Compression	Overhead	R&M	SWD	Subsurface	Utilities	Workover	All	Sev	Op Cash	Capital	Net Cash
		Price	Price	Price	Burden			LOE		Val								Other	Tax	Flow		Flow
BOGNER 2- 20	218329	\$2.34	\$92.63	\$0.00	119	602	370	3,058	\$8.26	206	0	573	38	163	0	237	0	1,841	36	2,492	0	2,492
Totals		\$2.34	\$92.63	\$0.00	119	602	370	3,058	\$8.26	206	0	573	38	163	0	237	0	1,841	36	2,492	0	2,492

Chesapeake Energy Corporation CST Operations 8/8ths LOS Report

BOGNER 2-20

01/2013 - 12/2013 Gross Volumes | Operated Wells

Name	Property	Gas	Oil	NGL	Royalty	Revenue	MCFE	Total	LOE/MCFE	Ad	Compression	Overhead	R&M	SWD	Subsurface	Utilities	Workover	All		Op Cash	Capital	Net Cash
		Price	Price	Price	Burden			LOE		Val								Other	Tax	Flow		Flow
BOGNER 2- 20	218329	\$2.34	\$92.63	\$0.00	119	602	370	3,058	\$8.26	206	0	573	38	163	0	237	0	1,841	36	2,492	0	2,492

Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	12/2013	Total
Gas Revenue Volume	370	0	0	0	0	0	0	0	0	0	370
Gas Sales	370	0	0	0	0	0	0	0	0	0	370
Gas Value	\$721	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$721
Gas Price	\$1.95	\$1.89	\$2.09	\$2.64	\$2.83	\$2.81	\$2.37	\$2.11	\$2.23	\$2.48	\$2.34
Oil Revenue Volume	0	0	0	0	0	0	0	0	0	0	0
Oil Sales	0	0	0	0	0	0	0	0	0	0	0
Oil Value	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oil Price	\$88.99	\$90.59	\$89.49	\$86.01	\$88.96	\$89.97	\$99.13	\$100.70	\$100.40	\$92.06	\$92.63
Royalty Burden	119	0	0	0	0	0	0	0	0	0	119
Royalty Percent	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000
Revenue	602	0	0	0	0	0	0	0	0	0	602
MCFE	370	0	0	0	0	0	0	0	0	0	370
LOE Total	1,763	171	492	20	18	19	19	18	332	206	3,058
LOE Per MCFE	\$4.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.26
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	206	206
Audit Charges	0	0	0	0	0	0	0	0	0	0	0
Company Labor	170	0	425	0	0	0	0	0	0	0	595
Compression	0	0	0	0	0	0	0	0	0	0	0
Contract Serv/Equip Rental	0	0	0	0	0	0	0	0	0	0	0
Field Facilities	53	0	0	0	0	0	0	0	0	0	53
Fuel Water Lube	0	0	0	0	0	0	0	0	0	0	0
Gas Processing	0	0	0	0	0	0	0	0	0	0	0
Insurance	0	0	0	0	0	0	0	0	314	0	314
Oil Processing	0	0	0	0	0	0	0	0	0	0	0
Other Expenses	2	0	0	0	0	0	0	0	0	0	2
Overhead	573	0	0	0	0	0	0	0	0	0	573
Pumping Service	491	0	0	0	0	0	0	0	0	0	491
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Rents And Fees	0	0	0	0	0	0	0	0	0	0	0
Repairs & Maintenance	0	0	38	0	0	0	0	0	0	0	38
Salt Water Disposal	163	0	0	0	0	0	0	0	0	0	163
Salt Water Processing	0	0	0	0	0	0	0	0	0	0	0
Subsurface Repairs	0	0	0	0	0	0	0	0	0	0	0
Supplies	3	0	0	0	0	0	0	0	0	0	3
Telemetry	29	29	29	20	18	19	19	18	18	0	199
Transportation	0	0	0	0	0	0	0	0	0	0	0
Treating Expenses	66	118	0	0	0	0	0	0	0	0	184
Utilities	213	24	0	0	0	0	0	0	0	0	237
Workover	0	0	0	0	0	0	0	0	0	0	0
Gas Severance Tax	36	0	0	0	0	0	0	0	0	0	36
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0
Severance Tax	36	0	0	0	0	0	0	0	0	0	36
IDC Monthly	0	0	0	0	0	0	0	0	0	0	0
WEQ Monthly	0	0	0	0	0	0	0	0	0	0	0
NRI	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000
GWI	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000
Operating Cash Flow	(1,197)	(171)	(492)	(20)	(18)	(19)	(19)	(18)	(332)	(206)	(2,492)
Capital	0	0	0	0	0	0	0	0	0	0	0
Net Cash Flow	(1,197)	(171)	(492)	(20)	(18)	(19)	(19)	(18)	(332)	(206)	(2,492)



Chesapeake Energy Corporation CST Operations 8/8ths LOS Report

Totals

01/2013 - 12/2013 Gross Volumes | Operated Wells

Name Prop	erty Gas Oil Price Price	NGL Royalty Price Burder		E Total LOE/N	MCFE Ad Com	pression Overhead	d R&M SWD Sub	osurface Utilities V		Sev Op Cash C	Capital Net Cash Flow
Totals	\$2.34 \$92.63	\$0.00 1	119 602 <mark>37</mark>	70 3,058	<mark>\$8.26</mark> 206	0 57	3 38 163	0 237	0 1,841	36 2,492	0 2,492
Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	12/2013	Total
Gas Revenue Volume		0	0	0	0	0	0			0	370
Gas Sales	370	0	0	0	0		0				370
Gas Value	\$721	\$0	\$0	\$0	\$0	\$0	\$0				\$721
Gas Price	\$1.95	\$1.89	\$2.09	\$2.64	\$2.83	\$2.81	\$2.37			\$2.48	\$2.34
Oil Revenue Volume	0	0	0	0	0	0	0	,	0	0	0
Oil Sales	0	0	0	0	0	0	0				0
Oil Value	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0	\$0
Oil Price	\$88.99	\$90.59	\$89.49	\$86.01	\$88.96	\$89.97	\$99.13		\$100.40	\$92.06	\$92.63
Royalty Burden	119	0	0	0	0	0	0		0	0	119
Royalty Percent	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000	0.16500000				0.16500000
Revenue	602	0	0	0	0	0	0			0	602
MCFE	370	0	0	0	0	0	0			0	370
LOE Total LOE Per MCFE	1,763 \$4.76	171 \$0.00	492 \$0.00	\$0.00	18 \$0.00	19 \$0.00	19 \$0.00				3,058
	\$4.76 0	\$0.00	\$0.00 0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$8.26 206
Ad Valorem Tax Audit Charges	0	0	0	0	0	0	0	,		206	0
Company Labor	170	0	425	0	0	0	0	,	0	0	595
Compression	0	0	0	0	0	0	0	,		0	0
Contract Serv/Equip	0	0	0	0	0	0	0	,		0	0
Rental	O	O	U	U	O	U	0	,	· O	U	U
Field Facilities	53	0	0	0	0	0	0	0	0	0	53
Fuel Water Lube	0	0	0	0	0	0	0	0	0	0	0
Gas Processing	0	0	0	0	0	0	0	0	0	0	0
Insurance	0	0	0	0	0	0	0	0	314	0	314
Oil Processing	0	0	0	0	0	0	0	0	0	0	0
Other Expenses	2	0	0	0	0	0	0	0	0	0	2
Overhead	573	0	0	0	0	0	0	0	0	0	573
Pumping Service	491	0	0	0	0	0	0	0	0	0	491
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Rents And Fees	0	0	0	0	0	0	0	0	0	0	0
Repairs & Maintenan		0	38	0	0	0	0			0	38
Salt Water Disposal	163	0	0	0	0	0	0	,	0	0	163
Salt Water Processin		0	0	0	0	0	0	,		0	0
Subsurface Repairs	0	0	0	0	0	0	0	,	0	0	0
Supplies	3	0	0	0	0	0	0	,		0	3
Telemetry	29	29	29	20	18	19	19			0	199
Transportation	0	0	0	0	0	0	0			0	0
Treating Expenses	66	118	0	0	0	0	0	,	0	0	184
Utilities	213	24	0	0	0	0	0	0		0	237
Workover	0 36	0	0	0	0	0	0	,	0	0	0
Gas Severance Tax Oil Severance Tax	0	0	0	0	0	0			0	0	36
Severance Tax	36	0	0	0	0	0	0	0	0	0	36
IDC Monthly	0	0	0	0	0	0	0	,	0	0	0
WEQ Monthly	0	0	0	0	0	0	0	,	0	0	0
NRI	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000	0.83500000			0.83500000	0.83500000
GWI	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000			1.00000000	1.00000000
Operating Cash Flow		(171)	(492)	(20)	(18)	(19)	(19)			(206)	(2,492)
Capital	(1,137)	0	0	0	0	0	(13)				(2, 102)
Net Cash Flow	(1,197)	(171)	(492)	(20)	(18)	(19)	(19)			(206)	(2,492)

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 14, 2014

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

Re: Plugging Application API 15-075-20489-00-00 BOGNER 2-20 SE/4 Sec.20-21S-40W Hamilton 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 10, 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