

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

1231805

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	37, supply original comple	etion 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

1231805

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.
<ul> <li>□ 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</li> <li>□ I have not provided this information to the surface owner(s). KCC will be required to send this information to the surface</li> </ul>	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: Sara Everett, Doug Kathol

DATE: February 12, 2014

RE: Plug and Abandon

WOOD 3-13

SECTION 13-T24S-R41W HAMILTON COUNTY, KS

Chesapeake Energy GWI: 81.773% NRI: 68.281%

#### Recommendation:

The Wood 3-13 was producing approximately 18 MCF and 5 BW per day when it was shut in November 2013. The well was drilled in 1976 to a total depth of 2,380 feet and completed in the Winfield formation. Cumulative production from this well has been 470 MMCF of natural gas.

**Property Number: 218398** 

\*\*\*\* This well must be plugged by March 8, 2014 per KCC \*\*\*\*

Discussion:

# WOOD 3-13 Plug & Abandon Procedure WINFIELD VERTICAL 2/12/2014

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

#### **WELL DATA:**

**Lease:** WOOD 3-13 **WI:** 0.817730 **NRI:** 0.682810

S-T-R: 13-T24S-R41W County, St: HAMILTON, KS

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

**AFE #**: 803072 **API #**: 1507520161 **Prop. #**: 218398 **IP**: 800 MCFPD

**PBTD:** 2,380' **TD:** 2,380' **Spudded:** 10/3/1976

Type: VERTICAL Elevations GL: 3,233' KB: 3,241' KB-GL: 8'

**Surface Casing:** 

						SET [	DEPTH
SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	TOP	ВТМ
8-5/8"	20.00#	ST&C	Surface Casing	325 sx Class H	Surface	0'	327'
4-1/2"	9.50#	ERW	Production Casing	350  sx + 150  sx	Surface	0'	2,379'
2-3/8"	4.70#		Tubing			0'	2,320'

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

 SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St	
8-5/8"	20.00#	ST&C								_
4-1/2"	9.50#		4.0900"	3.9650"	0.0162	0.68250	4,380	3,310	101	

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

Perf'd Formations Depth Range Stimulation Details

Treatable Water 775'
Stone Corral 2,250'

WINFIELD 2322' - 2336' 23,300 gal gelled 2% KCI & 13,500# 20/40 sand

NOTES: \*\*\*\* This well must be plugged by March 8, 2014 per KCC \*\*\*\*

#### **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 Operating, Inc. Estimated Plugging & Salvage Values

Shallow Well (<4000' Approx)

 Well Name:
 WOOD 3-13
 Property #
 218398
 GWI:
 0.817730

 Location:
 SEC 15-T24S-R41W
 API #
 15-075-20161
 NRI:
 0.682810

County, State: Finney Co., KS AFE # 803072

#### **Estimated Equipment Salvage Values**

Equipment Description	<u>Salvage Value</u>	Cost
5/8" Rods - 2,325'	\$0.25	\$558.00
76 Joints 2 3/8 Tubing - 2,356'	\$.50/ft	\$1,225.00
Churchill 40		\$2,159.00
10 HP Motor		\$925.00

Gross Salvage Total: \$4,867.00

COI Net Salvage Total: \$3,979.89

#### **Estimated Plugging Expenses**

<u>Description</u>	Cost
Cased Hole Services / Perforating	\$2,000.00
Completion Unit	\$5,500.00
Contract Labor	\$3,000.00
Drilling Fluids, Mud, Chem.	\$500.00
Contingency	\$1,000.00
Plug to Abandon	\$4,000.00
Supervision	\$2,000.00
Surface Equipment Rental	\$1,000.00
Transportation	\$1,000.00
Reclamation	\$3,000.00

Gross Plugging Expense: \$23,000.00

COI Net Plugging Expense: \$18,807.79

Gross Total Estimated Plugging Expense: \$18,133.00 COI Net Total Estimated Plugging Expense: \$14,827.90

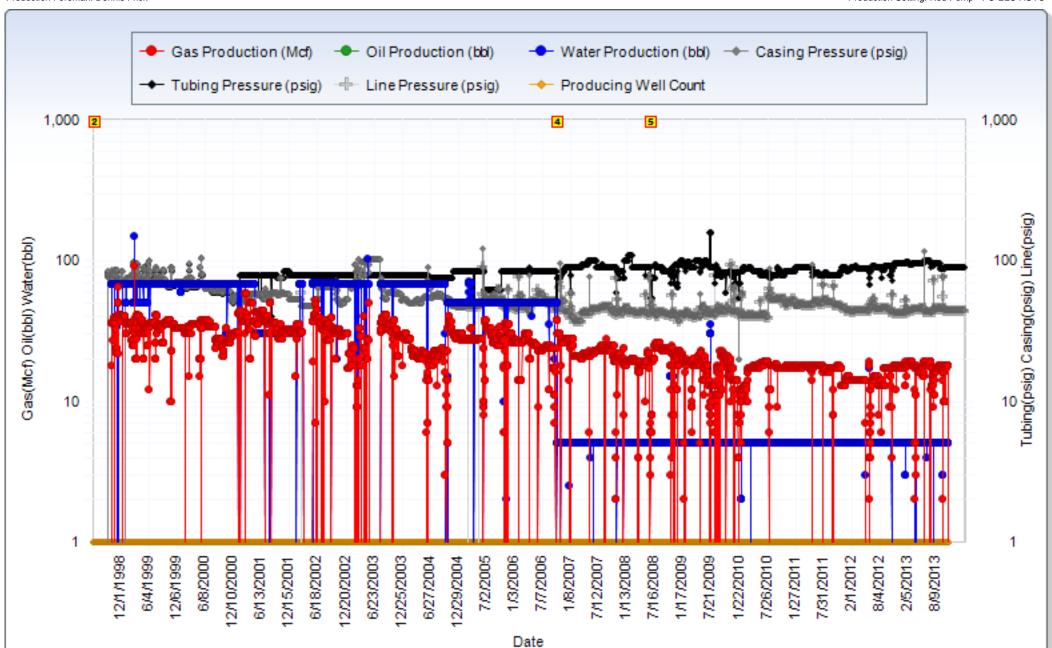


#### Chesapeake Energy Corporation

CST Production Monitor Export WOOD 3-13 (WINFIELD)

1/1/1900 - 2/9/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Zone: WOOD 3-13 (WINFIELD) in Route: GAR-KS-Route 01A - Don Lee Production Engineer: Doug Kathol Production Foreman: Dennis Frick Date Range Cum Gas Prod (Mcf): 125,200 Date Range Cum Oil Prod (bbl): 0 Date Range Cum Water Prod (bbl): 170,937 Production Setting: Rod Pump - PU-ELC-AUTO





# Chesapeake Energy Corporation CST Production Monitor Export

WOOD 3-13 (WINFIELD)

1/1/1900 - 2/9/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Marker #	Date	Annotation	Created By	Created Date
1	10/2/1976	Drilling/Drilling/Original Drilling	WellviewJobInfo	1/30/2013
2	10/24/1976	Workover/Completion/Initial Completion	WellviewJobInfo	1/30/2013
3	10/4/2006	Workover/Failure/Tubing Repair	WellviewJobInfo	1/30/2013
4	10/5/2006	Strip out rods & TBG, CO iron sulfide to TD, re-run AFL equipment, RTP	Weston Hamilton	7/31/2009
5	6/9/2008	Pipeline shut-in	Doug Howeth	10/22/2008



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

#### LOS MAIN

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

		LIVER	u 1																				
	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
ľ	WOOD 3-	218398	\$1.56	\$91.94	\$0.00	1,280	6,479	5,051	17,671	\$3.50	167	0	6,498	59	398	0	863	0	9,686	405	11,597	0	11,597
L	13																						
ľ	Totals		\$1.56	\$91.94	\$0.00	1,280	6,479	5,051	17,671	\$3.50	167	0	6,498	59	398	0	863	0	9,686	405	11,597	0	11,597



Transportation

Utilities

Workover

Treating Expenses

Gas Severance Tax

Operating Cash Flow Capital Net Cash Flow

Oil Severance Tax

Severance Tax

**IDC** Monthly

NRI

GWI

WEQ Monthly

(756)

(756)

0.68280830

0.81773440

(940)

(940)

0.68280830

0.81773440

(805)

(805)

0.68280830

0.81773440

0.68280830

0.81773440

(1,097)

(1,097)

0.68280830

0.81773440

(1,313)

(1,313)

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0.68280830

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(11,597)

(11,597)

#### Chesapeake Energy Corporation

#### CST Operations 8/8ths LOS Report

#### WOOD 3-13

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

<b>■</b> ENEKU	1											
Name Property	Gas Oil Price Price	NGL Royal Price Burde	ty Revenue M	ICFE Total I	LOE/MCFE Ad Val	Compression Ov	verhead R&M S	SWD Subsurface	Utilities Workover	All Sev Other Tax	Op Cash Cap	ital Net Cash Flow
WOOD 3- 218398 13	\$1.56 \$91.94	\$0.00	,280 6,479	5,051 17,671	<b>\$3.50</b> 167	0	6,498 59	398 0	863 0	<mark>9,686</mark> 405	11,597	0 11,597
	40/0040	04/0040	00/0040	00/0040	0.4/0.040	05/0040	00/0040	07/0040	00/0040	00/0040	40/0040	T. / . I
Line Item Gas Revenue Volume	<b>12/2012</b> 576	<b>01/2013</b> 584	<b>02/2013</b> 526	<b>03/2013</b> 450	<b>04/2013</b> 485	<b>05/2013</b> 387	<b>06/2013</b> 37	<b>07/2013</b> 417	<b>08/2013</b> 538	<b>09/2013</b> 497	<b>10/2013</b> 554	<b>Total</b> 5,051
Gas Sales	576	584	526	450		387	37	417	538	497	554	5,051
Gas Value	\$936	\$846	\$739	\$662		\$658	\$66	\$654	\$814	\$740	\$817	\$7,759
Gas Price	\$1.62	\$1.45	\$1.41	\$1.47		\$1.70	\$1.78	\$1.57	\$1.51	\$1.49	\$1.47	\$1.56
Oil Revenue Volume	0	φ1. <del>1</del> 0	0	φ1.47		Ψ1.70	01.70	0	0	φ1.49	Ψ1.47	ψ1.50 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	\$0
Oil Price	\$82.41	\$88.99	\$90.59	\$89.49		\$88.96	\$89.97	\$99.13	\$100.70	\$100.40	\$94.72	\$91.94
Royalty Burden	154	140	122	109		109	11	108	134	122	135	1,280
Royalty Percent	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991	0.16499991
Revenue	781	707	617	553	690	550	55	546	679	618	682	6,479
MCFE	576	584	526	450	485	387	37	417	538	497	554	5,051
LOE Total	1,489	1,602	1,383	1,615		1,532	1,402	1,595	1,651	1,840	1,601	17,671
LOE Per MCFE	\$2.59	\$2.74	\$2.63	\$3.59	\$4.04	\$3.96	\$37.89	\$3.82	\$3.07	\$3.70	\$2.89	\$3.50
Ad Valorem Tax	167	0	0	0		0	0	0	0	0	0	167
Audit Charges	0	0	0	0		0	0	0	0	0	0	0
Company Labor	172	170	174	178		180	180	192	197	198	204	2,484
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	23	53	37	32		40	40	35	35	38	42	416
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	0
Insurance	0	0	0	0	0	0	0	0	0	314	0	314
Oil Processing	0	0	0	0	U	0	0	0	0	0	0	50
Other Expenses Overhead	564	564	564	564	15	606	15 606	606	606	606	606	52 6,498
Pumping Service	439	491	434	601		473	513	512	667	573	499	5,701
Regulatory	439	491	434	0		4/3	0	0	0	0	499	5,701
Rents And Fees	0	0	0	0		0	0	0	0	0	0	0
Repairs & Maintenance	0	0	59	0		0	0	0	0	0	0	59
Salt Water Disposal	39	39	35	39		31	30	39	39	30	39	398
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	2	3	2	1	48	3	1	1	21	1	9	92
Telemetry	0	0	0	0		0	0	0	0	0	0	0

#### Current Wellbore Schematic

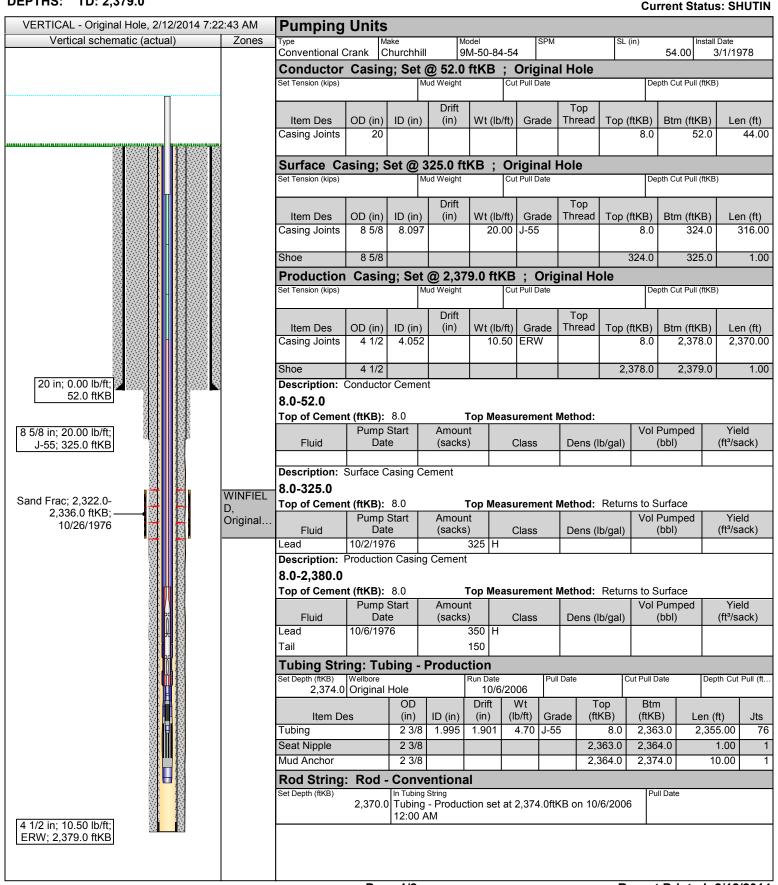
WELL (PN): WOOD 3-13 (218398) FIELD OFFICE: GARDEN CITY

FIELD: Bradshaw

FIELD: Brausilaw
STATE / COUNTY: KANSAS / HAMILTUN
LOCATION: SEC 13-24S-41W, 1980 FSL & 1980 FEL
ROUTE: GAR-KS-ROUTE 01A - DON LEE
ELEVATION: GL: 3,233.0 KB: 3,241.0 KB Heig

KB Height: 8.0

API#: 1507520161 Serial #: SPUD DATE: 10/3/1976 **RIG RELEASE: 10/3/1976** 1ST SALES GAS: 3/1/1978 **1ST SALES OIL:** 



#### **Current Wellbore Schematic**

WELL (PN): WOOD 3-13 (218398) FIELD OFFICE: GARDEN CITY

FIELD OFFICE: GARDEN CITY
FIELD: Bradshaw
STATE / COUNTY: KANSAS / HAMILTON
LOCATION: SEC 13-24S-41W, 1980 FSL & 1980 FEL
ROUTE: GAR-KS-ROUTE 01A - DON LEE
ELEVATION: GL: 3,233.0 KB: 3,241.0 KB Height: 8.0
DEPTHS: TD: 2,379.0

API #: 1507520161 Serial #: SPUD DATE: 10/3/1976 RIG RELEASE: 10/3/1976 1ST SALES GAS: 3/1/1978

1ST SALES OIL:

Rod Sub   3/4	EPTHS: TD: 2,379.0										Current	Status: SHI	UTI
Minimal Schematic Lectures   Values   No.   No	VERTICAL - Original Hole, 2/12/2014 7:22	2:43 AM						0 :4:					
Polished 1 1/4   North 1 1/4	Vertical schematic (actual)	Zones	Item Des	OD (in)		Make	Model				Btm (ftKB)	Len (ft)	Jt
Rod Sub			Polished							1 ( /		` '	
Rod Sub													
Rod Sub	<u></u>												
Sucker Rod   344   Norris   54													
Rod Pump   1 1/2						Marria	F.4						
Perforations	mananananananananananananananananananan					NOTTIS	54						
Perforations													
Date   Zone   Top (ffKB)   Btm (ffKB)   Current Str			Cuo / triorior							2,004.0	2,070.0	0.00	
Date   Zone   Top (ftKB)   Btm (ftKB)   t)   Current Str			Perforat	ions									
Date   Zone   Top (ffkB)   Bitm (ffkB)   Current St.			· Ontorus	T	_				т		Shot		_
Date   Zone   Top (fit(B)   Btm (fit(B)   t)   Current St.											Dens		
10/24/1976   WINFIELD, Original Hole   2,322.0   2,336.0			Data			Zone		Top (ftK	B/	Rtm (ftKR)		Current Stat	tuc
Stimulations & Treatments				WINFI	ELD		lole					Ourient Otal	lus
WINFIELD,   Stage Number?>, Sand Frac, 10/26/1976				- 1		-		,-		,,,,,			
Min Top Dep. Max Bim De. Total Clean Avg Treat Avg Post ISIP (psi) Comment 2,322.0   2,336.0    Sand Size Type Amount Conc (lb/gal)  8 5/8 in; 20.00 lb/ft;  J-55; 325.0 ft/kB  WINFIEL D, Original								J ====	40/00	2/4070			_
2,332.0   2,336.0   Sand Size Type Amount Conc (ib/gal)  8 5/8 in; 20.00 ib/ft; J-55; 325.0 ft/KB  Sand Frac; 2,322.0-2,336.0 ft/KB; 10/26/1976			Min Ton Den IM	lax Rtm De	ige i	tal Clean	/>, Sand	O Treat Avg	10/20	ISIP (nsi) I Com	ment		
20 in; 0.00 lb/ft; 52.0 ftKB  8 5/8 in; 20.00 lb/ft; J-55; 325.0 ftKB  Sand Frac; 2,322.0-2,336.0 ftKB; 10/26/1976  WINFIEL D., Original						iai olean /	wg meann	Q mouthing	000	(poi)	mont		
52.0 ft/KB 8 5/8 in; 20.00 lb/ft; J-55; 325.0 ft/KB  Sand Frac; 2,322.0- 2,336.0 ft/KB; 10/26/1976  WINFIEL D, Original			Sand	l Size			Туре			Amount		Conc (lb/gal)	
52.0 ft/KB B 5/8 in; 20.00 lb/ft; J-55; 325.0 ft/KB  Sand Frac; 2,322.0- 2,336.0 ft/KB; 10/26/1976  WINFIEL D. Original													
	2,336.0 ftKB;	D,											
1 1/2 in; 10.50 lb/ft; ERW; 2,379.0 ftKB													

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Report Printed: 2/12/2014

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



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

November 13, 2014

Katie Wright Chesapeake Operating, Inc. 6200 N WESTERN AVE PO BOX 18496 OKLAHOMA CITY, OK 73118-1046

Re: Plugging Application API 15-075-20161-00-00 WOOD 3-13 SE/4 Sec.13-24S-41W Hamilton County, Kansas

Dear Katie Wright:

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

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 1 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 1's phone number is (620) 225-8888. Failure to notify DISTRICT 1, 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 May 13, 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 May 13, 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 1