Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

# **KANSAS CORPORATION COMMISSION**

**OIL & GAS CONSERVATION DIVISION** 

1174066

March 2009 Type or Print on this Form Form must be Signed All blanks must be Filled

Form CP-4

### WELL PLUGGING RECORD K.A.R. 82-3-117

OPERATOR: License #:	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ( )	NE NW SE SW
Type of Well: (Check one)   Oil Well   Gas Well   OG   D&A   Cathodic     Water Supply Well   Other:   SWD Permit #:   SWD Permit #:   SWD Permit #:     ENHR Permit #:   Gas Storage Permit #:   Gas Storage Permit #:   No     Is ACO-1 filed?   Yes   No   If not, is well log attached?   Yes   No     Producing Formation(s): List All (If needed attach another sheet)   Depth to Top:   Bottom:   T.D.	County: Well #: Lease Name: Well #: Date Well Completed: The plugging proposal was approved on: (Date) by: (KCC District Agent's Name) Plugging Commenced: Plugging Completed:

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water	r Records	Casing Record (Surface, Conductor & Production)							
Formation	Content	Casing	Size	Setting Depth	Pulled Out				

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugging Contractor License #:		Name:	
Address 1:		Address 2:	
City:		State:	Zip: +
Phone: ( )			
Name of Party Responsible for Plugging	Fees:		
State of	County,	, SS.	
	(Print Name)		or or Operator on above-described well,
haing first duly sugars an asthe source The	t I have knowledge of the facto at	stamanta, and matters barain contained, and the l	an of the choice described well is as filed and

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

## Submitted Electronically



SANDRIDGE ENERGY

\*\*\*\*\* BILL IN ADP!! \*\*\*\*\*

**123 ROBERT S KERR AVE** 

OKLAHOMA CITY, OK 73102-6406

BASIN SERVICES, LLC P O BOX 4268 ABILENE, TX 79608-4268 Phone # (325)690-0053 Fax # (325)698-0055



TICKET NUMBER: WY-160-1 TICKET DATE: 11/14/2013

## ELECTRONIC

YARD: WY WAYNOKA OK LEASE: Ruth 3504 WELL#: 1-9 RIG #: Tomcat 2 Co/St: SUMNER, KS

DESCRIPTION	UANTITY	RATE	AMOUNT
11/13-14/2013 DRILLED 30" CONDUCTOR HOLE			
11/13-14/2013 20" CONDUCTOR PIPE (.250 WALL)			
11/13-14/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
11/13-14/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
11/13-14/2013 DRILLED 20" RATHOLE (PER FOOT)			
11/13-14/2013 16" CONDUCTOR PIPE (.250 WALL)			
11/13-14/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
11/13-14/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
11/13-14/2013 WELDING SERVICES FOR PIPE & LIDS			
11/13-14/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING			
CONCRETE			
11/13-14/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR			
MOUSEHOLE PIPE)			
11/13-14/2013 10 YDS OF 10 SACK GROUT			
11/13-14/2013 TAXABLE ITEMS			3,600.00
11/13-14/2013 BID - TAXABLE ITEMS			6,900.00
Sub Total:			10,500.00
Tax SUMNER COUNTY (6.65 %):			239.40
I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.		=	\$ 10,739.40

Approved Signature \_\_\_\_\_

API No.

**15-191-22713-00-00** OTC/OCC Operator No.

34192

### CEMENTING REPORT To Accompany Completion Report

OKLAHOMA CORPORATION COMMISSION Oil & Gas Conservation Division

Post Office Box 52000-2000 Oklahoma City, Oklahoma 73152-2000

OAC 165:10-3-4(h)

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

		TYPE OR USE BL	ACK INK ON	LY					
*Field Name	Hula		OCC District						
*Operator	Sandridge Exploration & Production 34192								
*Well Name/No.	Ruth 3504 1-9				County	Sumner			
*Location NW	1/4 NE 1/4 NW 1/4 NE 1/4	Sec 9		Тwp	35S	<b>4₩</b> Rge			

	Conductor	Surface	Alternative	Intermediate	Production	
Cement Casing Data	Casing	Casing	Casing	Casing	String	Liner
Cementing Date		11/22/2013				
Size of Drill Bit (Inches)		12¼"				
Estimated % wash or hole enlargement used in calculations		125% & 150%				
Size of Casing (inches O.D.)		95⁄8"				
Top of Liner (if liner used) (ft.)		N/A		1.5		
*Setting Depth of Casing (ft.) from ground level		600'				
Type of Cement (API Class) In first (lead) or only slurry		O-TEX Lite Premium Plus				
In second slurry		Premium Plus (Class C)				
In third slurry		N/A				
Sacks of Cement Used In first (lead) or only slurry		205				
In second slurry		130	8			
In third slurry		N/A				
Vol of slurry pumped (Cu ft)(14.X15.) n first (lead) or only slurry		412.05	ě.			
n second slurry		171.6				
In third slurry		N/A		2		
Calculated Annular Height of Cement behind Pipe (ft)		Surface				
Cement left in pipe (ft)		43.68				

*Amount of Surface Casing Required (from Form	1000)	ft.	
[			in the second
*Was cement circulated to Ground Surface?	J Yes No	*Was Cement Staging Tool (DV Tool) used?	Yes 🗸 No
*Was Cement Bond Log run?	es 🗸 No (If so, Attach Copy)	*If Yes, at what depth?	ft

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

\* Designates items to be completed by Operator. Items not so designated shall be completed by the Cementing Company.

Summer     Non-     Summer     Integer Exploration & Produc     Description       Summer     Wate     Loss wate     Bill Tomlinson     Bill Tomlinson       Exact wate     Wate     Loss wate     Bill Tomlinson     Bill Tomlinson       Exact wate     Use wate     Loss wate     Displant wate     Loss wate     Displant wate       LARNEY     I     I     Image: Calibre wate     <			and a second				V			PROJECT NOMB	ER 3234	TIC	KETDATE	12/04	1/4 3	
Exact Nume     Weith     Loss Pare     Plug Job     LOUIS ARNEY       LARNEY     [0     LOUIS ARNEY     [0     LOUIS ARNEY       LARNEY     [0     LARNEY     [0     LOUIS ARNEY       LARNEY     [0     LARNEY     [0     LARNEY       Determine     Type:     Larney     [0     Larney       Add Type and Size     Set AI     0     IIR     III/Galant     III/Galant       Type and Size     Quit Fillup     0     IR     IIII     IIII     IIIII     IIIIII     IIIIIII Carno     0     IIR       Top Plug     0     IR     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				lie	COMPANY					CUSTOMER REP						
Ruth 3504     1-9     Plug Job     LOUIS ARNEY       C.ARNEY     0	1		K			ration &	Pro	duc								
LARNEY     0     0       D. TEWELL     0	Ru		504			ob										
M. GUINTANA     Image: Construction of the state of the stat		Y		1 10			T	1								
F. HELKENA     Image: Type:     Called Out     On Location     Up     Date							+	-								
Form. Name     Type:     Type:     Called Out     On Location     Job Started     Job Completed       Packer Type     Set At 0     Date     Called Out     On Location     Job Started     Job Completed       Botom Hole Torols and Accessories     Total Depth     900     12/4/2013     12/4/2013     12/4/2013     2000       Type and Size     Otv     Make     Make     Velicit     12/6     2000     20																
Packer Type	F. HELKE	ENA														
Packer Type     Set At     0       Bottom Hole Tono.     00     Pressure     030     0306     2000       Tope and Size     014     702     030     0366     2000       Type and Size     014     Maxee     12/4/2013     12/4     1/3     12/4/2013     12/4/2013     12/4/2013     12/4/2013     12/4     1/3	Form. Na	ame .		Type:		<b></b>	100	llod	Out	OnLocatio		Loh S	tarted		h Co	malatad
Retainer Denth     Total     Total     Depth     900       Tope and Size     Qtv     Make     Well Data     Well Data       Tope and Size     Qtv     Make     Well Data     Tome     36%     9%"     Surdac     900     1,500       Insert Float Val     0     IR     Inter     1	Packer T	vpe	••••••	Set A	t 0	Date	Ud								12/	4/2013
Tote and Accessories     Well Data       Type and Size     Oty     Make       Auto Fill Tube     Oty     New Aldosed     Well Data       Insert Float Val     O     IR       Centralizers     O     IR       Dap Plug     O     IR       Liner     Iner     Iner       Liner     Iner     Iner       Liner     O     IR       Ding Float     O     IR       Weld-A     O     IR       Perforations     Ding Float     Surface       Perforations     Date     Perforations       Perforations     Date     Hours       Diag Fluid     Frest Wate     Basket       O     IR     Basket     O       Mod Type     Gail     N       Spacer hype     Gail     N       Acid Type     Gail     N       Gail     N     Mask       Dide     Hours     Iz/4     1.50       Dide     Gail     N     Mask																
Type and Size     Qty     Make     New/Used     Weight Size Gade     From     To     Max. Allow       Liner     0     IR     Casing     Strface     900     1,500       Centralizers     0     IR     Liner     36#     9%"     Surface     900     1,500       Top Plug     0     IR     Uniner     4%"	Retainer	Depth	Tools and	Total		Time	I	22	.00		lata		1806		20	00
Insert float Val   0   IR     Centralizers   0   IR     Top Plug   0   IR     Differ   Differ   4%"     Differ   0   IR     Differ   0   IR     Differ   0   IR     Differ   0   IR     Descriptions   Descriptions   Description of Job     Perforations   Description of Job   Plug Job     Spacer type   BBL   10   8.33     Spacer type   Gal.   %   Add Type     Gall Type   Gal.   %   Add Type   Gal.     Add Type   Gal.   %   Add Type   Gal.   %     Add Type   Gal.   %   Add Type   Gal.   %     Add Type   Gal.   %   Add Type   Gal.   %     Add Type   Gal.   %   Add Type   Gal.	Ty	vpe an							New/Used		Size G	rade	From	To		Max. Allow
Centralizers     0     IR       Top Plug     0     IR       Top Plug     0     IR       Linit clamp     0     IR       Drill Plue     12%"     Surface       Drill Plue     12%"     Surface       Ement Basket     0     IR       Disp, Fluid     Freat Water BBL     0       Spacer type     BBL     %       Spacer type     BBL     %       Add Type     Gail In     Inder Son Location       File Red.     Gail In     Inder Son Location       File Red.     Gail In     Inder Son Location     Desciption of Job       Plug Job     Total     124     17.0     Date       File Red.     Gail Ib     In     Gail Ib     In       Super Type     BBL     %     Gail Ib     In       Geling Agent     Gail Ib     In     Gail Ib     In       File Red.     Gail Ib     In     Gail Ib     In       Gail Loss     Gail Ib     In     Gail Ib				0	IR	the second se	1				9%"		Surface	90	0	1,500
Top Plug     0     IR       Imile Gamp     0     IR       VeldA     0     IR       StaceT type     Materials     Perforations       Mult Type     Gal.     %       Spacer type     BBL.     10       Spacer type     Gal.     %       Acid Type     Gal.     %       Acid Type     Gal.     %       Gelling Agent     Gal/Lb     in       Fice. Red.     Gal/Lb     in       MISC.     Gal/Lb     in       Other     Gal/Lb     in       Other     Cty.     Int Max     1.60 Premium Plus (Class C)       Additives     0     6.32     1.32     14.80       3     30 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																
International product of the state							1			+	41/2"					
Limit clamp     0     IR       Texas Pattern Guide Shoe     0     IR       Cement Basket     0     IR       Cement Basket     0     IR       Mud Type     Materials.     Perforations.     Description of Job       Diss, Fluid     Fresk Water Density     9.33     Lb/Gal     Data       Spacer type     Gal.     %     12/4     1.6       Spacer type     Gal.     %     12/4     1.6       Acid Type     Gal.     %     12/4     1.6       Spacer type     Gal.     %     12/4     1.6       Fricz Red.     Gal.     %     12/4     1.6       MISC.     Gal/Lb     in	HEAD			0	IR											
Texas Pattern Guide Shoe     0     IR       Gement Basket     0     IR       Mud Type     Oensity     9       Diss, Fluid     Frest Water Density     8.33       Diss, Fluid     Frest Water BBL     0       Add Type     Gal.     %       Spacer type     BBL     0       Add Type     Gal.     %       Surfactant     Gal.     %       Geling Agent     Gal/Lb     in       Fric, Red.     Gal/Lb     in       MSC,     Gal/Lb     in       Perfoace Balls     Qtv.       Other     Cement Data       Other     Cement Data       Other     Cement Data       Stage Sacks     Cement Data       Other     Cement Data       Stage Sacks     Cement Data       Premium Plus (Class C)     Stage Sacks       Other     Gal/Lb       Stage Sacks     Cement Data       Other     Gal/Lb       Stage Sacks     Cement Data       Stage Sacks     Cement		mp									121/4	" (	Surface	90	0	Shots/Ft.
Gement Basket     Image: Comment Basket     Ima		Ham (	Quida Chao						_		<u> </u>					
Materials Density 9 Lb/Gal Date Description Of Job   Disp. Fluid Fresh Water Density 8.33 Lb/Gal Hours Date Hours Date Plug Date					R											
Disp. Fluid   Fresh Water Density   8.33   Lb/(Call   12/4   17.0   12/4   16.5     Spacer type   BBL.   10   8.33   10   12/4   17.0   12/4   16.5     Spacer type   BBL.   96   10   10   10   10   10   10   10     Spacer type   Gal.   96   10   1			Materi	als		Hours	On I	Loca					Descrin	otion of	Job	
Spacer type   resh Wate BBL.   10   8.33     Acid Type   Gal.   %     Acid Type   Gal.   %     Acid Type   Gal.   %     Surfactant   Gal.   in     NE Agent   Gal.   in     Gelling Agent   Gal/Lb   in     Gelling Agent   Gal/Lb   in     Fric. Red.   Gal/Lb   in     MISC.   Gal/Lb   in     Other   Total   170     Other   MAX   1500 PSi     Other   Cement Left in Pipe     Other   Cement Data     Stage Sacks   Cement Data     Stage Sacks   Cement Data     Stage Sacks   Cement Data     Stage Sacks   Cement MPlus (Class C)     2   50   Premium Plus (Class C)     2   50   Premium Plus (Class C)     2   50   Premium Plus (Class C)     3   30   Premium Plus (Class C)     Actual TOC   SURFACE     Surmary   Surface     Mactual TOC   SURFACE			Eresh Water	Density	9 Lb/Gal			<u> </u>	lours				Plug Jo	b		
Space type     BBL.     Space type     Gal.     %       Add Type     Gal.     %     Statalant		vpe	resh Wate BBL	10			·		17.0	16/4	1.0					
Acid Type   Gal.   9%     NE Agent   Gal.   In     NE Agent   Gal.   In     Fluid Loss   Gal/Lb   In     Gelling Agent   Gal/Lb   In     Gelling Agent   Gal/Lb   In     Fric. Red.   Gal/Lb   In     MISC.   Gal/Lb   In     Other   Other     Other   MAX   1,500 PSI     AVG   30     Other   Other     Other   Cement Left In Pipe     Feet   0     Reason   SHOE JOINT	Spacer ty	/pe	BBL													
Surfactant   Gal.   In     Fluid Loss   Gal/Lb   In     Fluid Loss   Gal/Lb   In     Gelling Agent   Gal/Lb   In     Fric. Red.   Gal/Lb   In     MISC.   Gal/Lb   In     Other   Gal/Lb   In     Other   Max   1,500 PSI     Other   Max   6 BPM     Other   Max   6 BPM     Other   Other   Cement Left in Pipe     Other   Cement Data   Cement Data     Stage   Sacks   Cernent   Additives     Other   0   6.32   1.32   14.80     1   50   Premium Plus (Class C)   2 60   Pressures   0     Other   Other   Other   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   2 % Calcium Chloride on the side   0   6.32   1.32   14.80     Summarv   Preflush   Type:   Fresh Water   Calc. Diso Bbl   24     Averade   Bump Plug Pls:   0   Fina					-%							_				
Fluid Loss   Gal/Lb   In     Gelling Agent   Gal/Lb   In     MISC.   Gal/Lb   In     MISC.   Gal/Lb   In     Perfpac Balls   Qtv.     Other   Other     Other   Average Rates in BPM     AVerage Rates in BPM   AVG     Other   Other     Other   Cement Left in Pipe     Other   Cement Data     Stage   Sacks     Cement Data   0     Stage   Sacks     O Premium Plus (Class C)   Additives     0   6.32     1   50     9   Premium Plus (Class C)     2   50     9   Premium Plus (Class C)     2   50     9   Premium Plus (Class C)     2   Summary     Preflush   BBI     Breakdown   MAXIMUM     1,500 PSI   Load & Bkdn: Gal - BBI     N/A   Pactabl - Gal     Average   Bump Plug PSI:     9   Galk - Colic: TOC:     4																
Gelling Agent   Gal/Lb   In     Fric. Red.   Gal/Lb   In     MISC.   Gal/Lb   In     Perfoac Balls   Qtv.     Other   MAX   1,500 PSI   AVG.     Other   MAX   1,500 PSI   AVG.   90     Other   MAX   6 BPM   AVG.   3     Other   Other   Cement Left in Pipe     Other   Cement Data   Cement Left in Pipe     Stage   Sacks   WiRq.   Yield   Lbs/Gal     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   2% Calcium Chloride on the side   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   2% Calcium Chloride on the side   0   6.32   1.32   14.80     Summarv   Preflush:   BBI   N/A   Pad:Bbl-Gal   N/A     Preflush   Type:   Fresh Water   N/A   Pad:Bbl-Gal   N/A     Actual ToC   SURFACE   Calc. ToC:   Actual ToC   Actual ToC																
Fric. Red.   Gal/Lb   In   Total																
MISC.   Gal/Lb   In   Total   17.0   Total   1.5     Perfpac Balls   Qtv.   Pressures   90     Other   AVerage Rates in BPM     Other   Average Rates in BPM     Other   Average Rates in BPM     Other   Cement Left in Pipe     Cement Data   Feet     Stage   Sacks     Cement Data   W/Rq.     Stage   Sacks     Cement Data   6.32     1   50     Premium Plus (Class C)   2% Calcium Chloride on the side     3   30     Premium Plus (Class C)   2% Calcium Chloride on the side     3   30     Premium Plus (Class C)   2% Calcium Chloride on the side     3   30     Preflush   Type:     Breakdown   MAXIMUM     Losd Returns-N   NOFUL     NIA   Pad:Bbi -Gal     NIA   Pad:Bbi -Gal     NIA   Pad:Bbi -Gal     Average   Burnp Plug PSI:     0   Final Circ.     0   Disp:Bbi					-in											
Other   MAX   1,500 PSI   AVG   90     Other   Average Rates in BPM     Other   AVG   3     Other   Cement Left in Pipe     Other   Reason SHOE JOINT     Cement Data     Stage Sacks     Cement   Additives     0   6.32   1.32     1   50   Premium Plus (Class C)   0     2   50   Premium Plus (Class C)   0     3   30   Premium Plus (Class C)   0     4   6   6.32   1.32     3   90   0   6.32   1.32     1   50   Premium Plus (Class C)   0   6.32   1.32     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   1.500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:BDI-Gal   N/A     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl	MISC.	-			_in	Total		-	17.0	Total	1.5					
Other   MAX   1,500 PSI   AVG   90     Other   Average Rates in BPM     Other   AVG   3     Other   Cement Left in Pipe     Other   Reason SHOE JOINT     Cement Data     Stage Sacks     Cement   Additives     0   6.32   1.32     1   50   Premium Plus (Class C)   0     2   50   Premium Plus (Class C)   0     3   30   Premium Plus (Class C)   0     4   6   6.32   1.32     3   90   0   6.32   1.32     1   50   Premium Plus (Class C)   0   6.32   1.32     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   1.500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:BDI-Gal   N/A     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl	Dorfnoo	Dalla								Dre						
Other   Average Rates in BPM     Other   MAX   6 BPM   AVG   3     Other   Cement Left in Pipe     Other   Reason   SHOE JOINT     Cement Data     Cement Data     Stage Sacks   Cement     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   2% Calcium Chloride on the side   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   2% Calcium Chloride on the side   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   4   4   4   6   6.32   1.32   14.80     5   Maximum Plus (Class C)   2% Calcium Chloride on the side   0   6.32   1.32   14.80     Summary     Preflush   Type:   Fresh Water     Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:Bbi -Gal   N/A	Other	balls _	a construction of the second se	Q(y.		мах		1.5	00 PSI			0				
Other   Cement Left in Pipe     Other   Feet   0   Reason   SHOE JOINT     Cement Data     Cement Data     Stage   Sacks   Cement   M/Rq.   Yield   Lbs/Gal     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     Breakdown   1,500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:BbI - Gal	Other									Average	Rates in	BPM				
Other   Feet   0   Reason   SHOE JOINT     Cement Data     Stage Sacks   Cement   Additives   W/Rq.   Yield   Lbs/Gal     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4						MAX		6	BPM							
Cement Data     Stage Sacks Cement   Additives   W/Rq. Yield Lbs/Gal     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   2% Calcium Chloride on the side   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     9   0   6.32   1.32   14.80   0   6.32   1.32   14.80     9   0   6.32   1.32   14.80   0   6.32   1.32   14.80     9   0   Fresh Water   Preflush:   BBI   0   Type:   Fresh Water     9   MAXIMUM   1,500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:Bbl-Gal   N/A     9   Actual TOC   SURFACE   Calc. TOC:   SURFACE   Actual Disp.   24.						Feet			0							
Stage   Sacks   Cement   Additives   W/Rq.   Yield   Lbs/Gal     1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   2% Calcium Chloride on the side   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     9   0   6.32   1.32   14.80   0   0   6.32   1.32   14.80     9   0   6.32   1.32   14.80   0																
1   50   Premium Plus (Class C)   0   6.32   1.32   14.80     2   50   Premium Plus (Class C)   2% Calcium Chloride on the side   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     3   0   6.32   1.32   14.80   0   6.32   1.32   14.80     3   0   Premium Plus (Class C)   0   6.32   1.32   14.80     4   0   6.32   1.32   14.80   0   6.32   1.32   14.80     1   0   1.50   Pathod   1.50   Pathod   1.50   1.32   14.80     1   0   1.50   Pathod   Pathod   1.50   1.22   1.42     1   0   1.500   Pst   Loat & Bt   1.000   Type:   Fresh Water     Actual TOC								ent D	ata							
2     50     Premium Plus (Class C)     2% Calcium Chloride on the side     6.32     1.32     14.80       3     30     Premium Plus (Class C)     0     6.32     1.32     14.80       3     30     Premium Plus (Class C)     0     6.32     1.32     14.80       9     0     6.32     1.32     14.80     0     6.32     1.32     14.80       9     0     6.32     1.32     14.80     0     6.32     1.32     14.80       9     0     6.32     1.32     14.80     0     6.32     1.32     14.80       9     0     6.32     1.32     14.80     0     6.32     1.32     14.80       9     0						Additive	es									
3   30   Premium Plus (Class C)   0   6.32   1.32   14.80     Preflush   Type:   Preflush:   BBI   10.00   Type:   Fresh Water     Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn:   Gal - BBI   N/A   Pad:Bbl-Gal   N/A     Actual TOC   SURFACE   Calc. TOC:   SURFACE   Actual Disp.   24     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl   24     ISIP   5 Min.   10 Min   15 Min   Cement Slurry: BBI   30.5   0   Disp:Bbl   24.00     CUSTOMER REPRESENTATIVE   MAW   MAW   MAW   MAW   0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>oride on th</td><td>e si</td><td>de</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>						oride on th	e si	de								
Preflush   Type:   Summary     Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn: Gal - BBI   10.00   Type:   Fresh Water     MAXIMUM   1,500 PSI   Load & Bkdn: Gal - BBI   N/A   Pad:Bbl-Gal   N/A     Lost Returns-N   NO/FULL   Excess /Return BBI   Calc.Disp Bbl   24     Actual TOC   SURFACE   Calc. TOC:   SURFACE   Actual Disp.   24.00     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl   24     ISIP  5 Min.  10 Min  15 Min   Cement Slurry: BBI   30.5												(				
Preflush   Type:   Preflush:   BBI   10.00   Type:   Fresh Water     Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn:   Gal - BBI   N/A   Pad:Bbl-Gal   N/A     Lost Returns-N   NO/FULL   Excess (Return BBI   Calc, Disp Bbl   24     Actual TOC   SURFACE   Calc. TOC:   0   Disp;Bbl   24.00     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp;Bbl   24.00     IsiP   5 Min.   10 Min   15 Min   Cement Slurry: BBI   30.5   0															1.	
Preflush   Type:   Preflush:   BBI   10.00   Type:   Fresh Water     Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn:   Gal - BBI   N/A   Pad:Bbl-Gal   N/A     Lost Returns-N   NO/FULL   Excess (Return BBI   Calc, Disp Bbl   24     Actual TOC   SURFACE   Calc. TOC:   0   Disp;Bbl   24.00     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp;Bbl   24.00     IsiP   5 Min.   10 Min   15 Min   Cement Slurry: BBI   30.5   0													1			
Breakdown   MAXIMUM   1,500 PSI   Load & Bkdn:   Gal - BBI   N/A   Pad:BbI - Gal   N/A     Lost Returns-N   NO/FULL   Excess /Return BBI   Calc. Disp BbI   24     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:BbI   24     IsiP5 Min.   10 Min   15 Min   Cement Slurry: BBI   30.5   0   Disp:BbI   0     CUSTOMER REPRESENTATIVE   Diff   Diff   Diff   0   Diff   0	Preflush	r		Type.		Su	mma		flush	RBI	10	.00	Type	F	resh	Water
Average   Actual TOC   SURFACE   Calc. TOC:   SURFACE   Actual Disp.   24.00     Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl   24.00     IsiP   5 Min.   10 Min   15 Min   Cement Slurry: BBl   30.5   30.5     Total Volume   BBI   64.50   0   0   0     CUSTOMER REPRESENTATIVE   Disp: Main   Main   0   0   0		vn _		MAXI				Loa	d & Bkdn:	Gal - BBI			Pad:Bb	I-Gal		N/A
Average   Bump Plug PSI:   0   Final Circ.   PSI:   0   Disp:Bbl     IstP5 Min.   10 Min   15 Min   Cement Slurry:   BBl   30.5     Total Volume   BBl   64.50   64.50     CUSTOMER REPRESENTATIVE		-		Lost F						n BBI	600	ACE			-	
ISIP5 Min10 Min15 MinCement Slurry: BBJ 30.5   Total Volume BBJ 64.50   CUSTOMER REPRESENTATIVE	Average	-								PSI:						24.00
CUSTOMER REPRESENTATIVE Bill Tamb	ISIP	_ 5 M	in					Cen	nent Slurry	: BBI	30	.5	]			
CUSTOMER REPRESENTATIVE Bill Tomh								Tota	al Volume		64.	.50				
				L		10/2			,	<i>n</i>	G					
	0110	TOM			NE BI	01/-	7	10	mb							
	005		ER REPRES			Y.	/	с.	16.6-	SIGNATURE						

			.](	OB	LOG	PROJECT NUMBER SOK 3234	TICKET DATE 12/04/13				
COMPANY			COUNTRY				STATE	COUNTY			
Sandridge Ex	ploration &					Kansas	Sumner				
Ruth 350	4 1-9	Well No					CUSTOMER REP Bill Tomlinsor	1			
FIELD			SEC / TW	P/RNG			TICKET AMOUNT	and a second			
Hula			9/358 JOB PURF		1		WELL TYPE				
15-191-22	2713-00-0	00	Plug	Job	)		Oil & Gas				
	Time	Rate	Volume	「「	Press	.(PSI)	Job D	escription / Remarks			
		(BPM)	(BBL)(GAL)		CSG.	Tbg					
12/4/2013	0000						TIME AR	RIVED IN YARD			
	0005						Fit for	duty meeting			
	0030							ocation from yard!			
	0300							d on location			
	0305						Safe	ty meeting			
	0310							Rig up			
	0806						Safe	ty meeting			
	0809	3.0	2.0		120		Pump H2O				
0812 3.0		11.8		110		Pump CMT					
	0819	3.0	2.0		70		Displace H2O Dispace with mud Shut down & they will pull 3 stands				
	0820	3.0	12.8		70						
	0827										
	0837	3.0	10.0	90			Pump H2O				
	0840	3.0	11.8		100		Pump CMT				
	0847	3.0	2.0		90			ace with H2O			
	0848	3.0	7.0		90			ce with mud			
	0853							ill pull 5 stands & circulate			
	1919							ty meeting			
	1925	3.0	7.0		90			ітр СМТ			
	1932		ļ					oumps & lines			
	1935							ty meeting			
	1938						and the second	Rack up			
	2000						GO HO	DME SAFELY			
							SUPERVI	SOR SIGNITURE			
Bumped	Final lift	Floats	PSI ON		CEMENT		X				
Plug	Psi	Held	CSG		SURFACE						
	DR BRANK RENEWED		and the second		yes						

Job Data Sheet



COMP	ANY					PROJECT NUI	MBER	AFEWORKOR	DER	DATE		
CONT	Sand RACTOR	ridge Expl	oration &	Productio	Om SOK 3234			DC13		12/3/2013 API		
		Tomcat	t #2		Same			9/355	5/4W	15-191-22713-00-00		
LEASE	E & WELL #	Ruti	h 3504 1-9			Sun	nner	STATE Kansas	MILEAGE	100		
	TIONS							L CDDIALC				
	CALDWELL KS - WEST ON 1ST AVE FOR 0.7 MILES - SOUTH ON SPRINGDALE RD FOR 0.5 MILES -											
WE	ST ON 1	80TH ST	FOR 5 MI	LES - SO	UTH ON	MORRIS	RD FOR	1 MILE - V	VEST ON	190TH ST FOR 2.3		
						MILES						
	Surface		厂 Intermed	liate	「Long Sti	ring	Plug Back	<				
ces	☐ Squeeze		☐ Acid		ГРТА		C Other			() H2S		
Pumping Services	Casing Size 95/4"	Casing Weight 36#	Thread LTC	Tbng/DP Size	Thread 16,6#	Plug. Cont. YES	Swage YES	Top Plug YES	Bottom Plug NO	% Excess 20%		
ping	Number and T	vpe Units	1		10.0#	1 120		Casing Depth	Hole Depth	Hole Size		
Pum		uck & Bull	(Materials	i			Ëst. BHST	900' Tubing Depth	900' Depth-TVD	12¼" Mud Weight/Type		
	Remarks	S	SEE ATTAC	HED PAPEI	R		80°		Depti-140			
	1st Plug	# of Sacks	Туре	(0) 0)	Additives	75 35	1	17				
	11.75 H2O TO MIX	50	Premium Plu Yield Ft3/Sk	Is (Class C)	0000		. Chu-	7				
	7/52	14.80	1.32	6.32								
	2nd Plug	# of Sacks	Туре		Additives	1.75	ble					
	11.75	50	Premium Plu	us (Class C)								
	H2O TO MIX			Water Gal/Sk	1		2% Calciu	m Chloride	e on the s	de		
	7.52 3rd Plug	14.80 # of Sacks	1.32	6.32	Additives		SPAA					
als	7.05	30	Premium Plu	is (Class C)	7	.05	SE M	7				
Materials	H20 TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk				-				
	41511	14.80	1.32	6.32								
		ACID	Туре		Additives							
		Inhibitor	Surfactant	clay cont.			TAKE 50 # Sugar					
							e n us u		eagai			
	Spacer or Flush	Quantity 10 BBL	Type	Water	Additives							
	Spacer or	Quantity	Type	Water	Additives							
	Flush	Quantity	Туре		Additives							
	Displace	additter		BM	, iddibited		TAK	E PLENTY OF	HOSES			
× þa	Cem	enter	Pun	nper	Bu	ilky	Bu	ilky		Bulky		
Crew Called												
200								- 19-17 1				
CEOL												
	Casing Size			Casing Weight			Thread					
	Guide Shoe			Float Shoe			Float Collar		Insert Float Val	ve		
su	Centralizers - N	lumbor		Size			Туре					
Iter												
Sales Items	Wall Cleaners	- Number		Түре			MSC (DV Tool)			MSC Plug Set		
S	Limit Clamps			Thread lock			Other					
	Remarks							and B				
Custor	ner Rep. Bill Toml	inson	Cell Phone	8-4175	Office Phone		Fax		Time of Call			
Call Ta	iken By		032-01	0-4170			l	1	Date Ready	Location Time		
Jareo Crew (	Sisco								Yard Time			
Crew (	Jalieu						100000000000000000000000000000000000000		raia inne			

CEMENTERS CCPY		<b>Rear Pot</b> <b>EMPTY</b> Cement	
	Trailer Number: 87829/62486	Driver Name CEMENT ADDITIVES	DATE: 12/3/2013 TICKET: SOK 3234
O-TOX Pumping, LLC		Front Pot PLUG Cement CLASS C	COMPANY: Sandridge LEASE: Ruth 3504 1-9