

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1160725

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		
Address 2:		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from East / West Line of Section
		Footages Calculated from Nearest Outside Section Corner:
, , , , , , , , , , , , , , , , , , ,		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well Re-I	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Fee
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG	GSW Temp. Abd.	If yes, show depth set: Fee
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core,	Expl., etc.):	feet depth to:w/sx cmi
If Workover/Re-entry: Old Well Info	o as follows:	
Operator:		
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.	Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	
Dual Completion	Permit #:	Operator Name:
	Permit #:	Lease Name: License #:
	Permit #:	Quarter Sec TwpS. R East Wes
GSW	Permit #:	County: Permit #:
Spud Date or Date Read Recompletion Date	ched TD Completion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY						
Letter of Confidentiality Received						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						

	Side Two	1160725
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	le		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	<pre> Yes No</pre> No Yes No Yes No					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

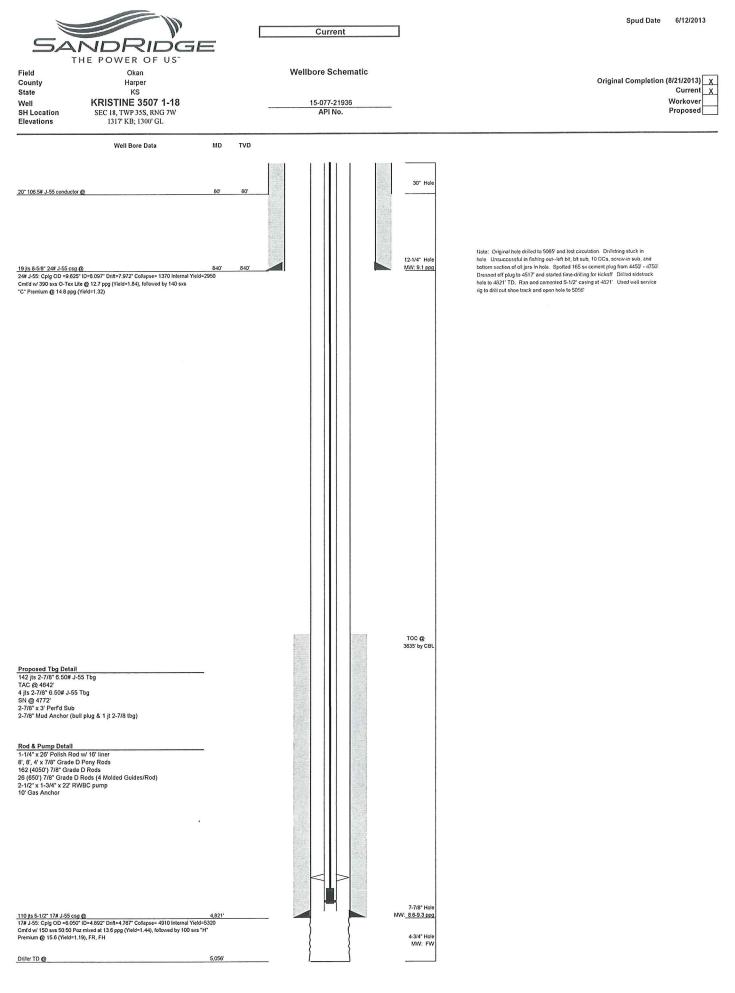
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۲.	Producing N	_	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									Ι	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)					

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kristine 3507 1-18
Doc ID	1160725

Tops

Name	Тор	Datum
Base Heebner	3515	-2195
Lansing	3890	-2570
Cottage Grove	4145	-2825
Oswego	4485	-3165
Cherokee	4610	-3290
Verdigris	4645	-3327
MIssissippi	4805	-3485
Kinderhook	5250	-3930
Woodford	5320	-4000



		OR SUM				PROJECT NOR			TICKET DATE		
Harper	Kansas	OB SUN	IMAR	<u>r</u>		CUSTOMER RE				06/13/1	3
LEASE NAME	Well No.			roo	luc	EMPLOYEE NA	Ed No	reui	11		
Kristine 3507	1-18	Surfa	ice			EMPLOYEE NA	LOUIS	AR	NEY		
L. ARNEY	1 10			-							
M. QUINTANA				+				\square			
D. TEWELL K. JOHNSON				+				+			
Form. Name	<u>_</u>							++			
	Түре:			Calla	ed Out						
Packer Type Bottom Hole Temp.	80 Press	0	Date		5/12/2013	On Location 6/13/2	on 013		Started 6/13/2013		Completed
Retainer Depth	Total C	enth 850	Time		2400				0/10/2013	°	/13/2013
Tools	and Accessorie	S	Linue 1		2100	0500 Well D	Data	L	1334		1545
Type and Size Auto Fill Tube	Qty	Make			New/Used	Weight	Size G	rade	From	То	Max. Allow
nsert Float Val	0	IR IR	Liner			24#	8%"		Surface	850	1,500
Centralizers	0	İR	Liner	Contract of the							
Top Plug HEAD	0	IR	Tubing				0				
imit clamp	0	IR IR	Drill Pipe Open Ho								
Veld-A	0	IR	Perforati				121/4"	<u> </u>	Surface	850	Shots/Ft.
exas Pattern Guide Sho Cement Basket	0 0	IR IR	Perforati	ons							
N	laterials		Perforati Hours O	ons	ation	Onerti					
Aud Type WBM Disp. Fluid Fresh Wa	- Octionly	9 Lb/Gal	Date	T	Hours	Operating Date	Hours			ion of Job	
pacer type resh Wate	BBL. 10	.33 Lb/Gal 8.33	6/13	+-	10.5	6/13	2.3		Surface		
pacer type	BBL.			+				_			
cid Type	Gal	%		1				-	•		
	Gal.	n		+-							
	GalI Gal/Lb	n						-1	-		
elling Agent		n n		-							
ic, Red.	Gal/Lb	n		+	——						
		n	Total		10.5	Total	2.3	-			
erfpac Balls	Qty.					Dee					
ther			MAX	1.8	500 PSI	AVG	sures 100)			
iner			MAX	6	BPM	Average R	ates in B	BPM			
her					DI M	AVG Cement L		ne			
			Feet		46	Reason S	HOE JO	DINT			
			Cem	ont F	lata						
age Sacks Ce	ement								W/Rq.	I VILLE	
2 140 Premium P	Plus (Class C) 29	% Gel) 2% Calci	um Chloride	- ¼p	ps Cello-Flak	e5% C-41	Р		10.88	Yield 1.84	Lbs/Gal 12.70
3 *100 Premium P	Plus (Class C) *2	% Calcium Chlo	ride on side	ello-	Flake				6.32	1.32	14.80
					en necessar	<u>у</u>			*6.32	*1.32	*14.8
flush	Type:		Summ	10.00	fluch:					k	
akdown	MAXIMUM	the second se	500 PSI	Load	flush: E d & Bkdn: G	BBI 🗖	10.00 N/A		Type:	Fresh V	the second se
	Lost Retu Actual TO		O/FULL IRFACE	Exc	ess /Return B	BI	21		Pad:Bbl -C Calc.Disp		N/A 49
erage5 Min	Bump Plu	a PSI:	130	Fina	CITOC:	si: —	SURFAC 130	CE	Actual Dis		49.00
v witt	10 Min	15 Min		Cerr	nent Slurry: B	BI	161.0		Disp:Bbl		
			17		I Volûme B	BI	220.00				
		11	1/1	11	11						
CUSTOMER REPRI	ESENTATIVE	-Idal	16	hf							
		/	/	11	SIC	SNATURE					
				V							

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				1	OB LO	C 7		PROJECT NUMBER	TICKET DATE	
COMPANY				COUNTR				SOK 2773	06/13/13	
Sandridge	Exploratio	n & Produc		USA				Kansas	COUNTY Harper	
Kristine	ristine 3507 1-18							CUSTOMER REP	naipei	
FIELD SEC / TWP / RNG Okan 18/35S/7W							Ed Noreuill			
API/UWI #			!	18/35	OSE			#REF!		
15-077-2	21936-0	0-00	00 Surface					WELL TYPE Oil & Gas		
	a la segura de	the states a	CAN HARRY	6746-57E	AND THE PARTY					
	Time	Rate	Vol	ume	me Press.(PSI)		we have			
		(BPM)	(881)(ALC: NOT	CSG.	OF ENT-MANAGEMENTS		Job De	escription / Remarks	
6/13/2013	3 0230				030.	Tbg		TIME AD		
	0235								RIVED IN YARD	
	0300		1						duty meeting	
	0500					+			ocation from yard!	
	0505		1-	+		+			l on location	
	0510		1						y meeting	
	1334					<u>†</u> −−−-}			Rig up	
	1340	5.0	10	.0	100	+	Safety meeting			
	1343	5.0	128	3.0	100	1	Pump H2O			
	1425	4.0	33	.0	100	1	Pump lead CMT @12.7#			
	1441	4.4			100		Pump tail CMT @ 14.8 #			
	1454	2.7	40.	.0	130	<u>├</u> ──	Shut down, Drop the plug & Start displace			
	1458		49.	.0	130		Slow the rate to bump the plug Shut down, Plug did not bump			
	1459							Release t	the pressure	
	1501								/ meeting	
	1504								ick up	
	1545								ME SAFELY	
	-	<u> </u>								
+										
					<u> </u>					
					+					
					+					
								SUPERVISO	R SIGNITURE	
Imped F		Floats	PSI O		CEMENT		X			
Plug NO	Psi	Held	CSG	_	SURFACE					
140	130	YES	130.0		yes					
					21bbis					

		JOB SUMI	MAR	Y		CUSTOMER RE	ODAF		TICKET DATE	06/25/13	
Harper Kar						CUSTOMER RE	, 0				
and a statute	We# N	O. JOB TYPE				EMPLOYEE NAM	E				
	1-18	Kick Off F	Plug				Arthur	Set	zer		
EMP NAME Arthur Setzer		0								T Minimum Lands Lands	T
Jared Green				\square							
David Thomas	\vdash								Assessed and the second second second		
Robert Stonehocker											
Form. Name	Туре	e:									
Packer Type		At 0	Date	Cal	ed Out 6/25/2013	On Location 6/25/2	on 013	Job	Started 6/25/2013		ompleted 25/2013
Bottom Hole Temp. 125	Pres	sure	Dale		0/20/2015	0/20/2	010		0/20/2010	0.4	10/20 10
Retainer Depth	Tota	Depth 4,765	Time		0400	1100			1400	1	600
Tools and Acc						Well					Dec. Alle
Type and Size C Auto Fill Tube	D D	Make IR	Casing		New/Used	Weight 0.0	O	rade	Surface	To 4,770	Max. Allo 5,000
	0	IR	Liner			1 0.0	•		oundee	4,110	0,000
Centralizers	0	IR	Liner			1					
TOPTING	0	IR	Tubing				0				
		IR IR	Drill Pip Open H			1	7 7/8	-	Surface	4,765'	Shots/F
Limit clamp Weld-A		IR IR	Perfora				1 1/0		Junace	*,700	Shuts/F
Texas Pattern Guide Shoe		IR	Perfora	tions	3						
Cement Basket	0	IR	Perfora	tions	6	Onerth	Laure	Τ	Desert	tion of 1-1	
Materials Mud Type WBM Der	nsitv	9 [b/Gal]	Hours Date		ocation Hours	Operating Date	Hours Hour	s		tion of Job	
Disp. Fluid Fresh Water Der	nsity_	8.33 Lb/Gal	6/25	5	4.0	6/25	4.0		Kick Off	Plug	
Spacer type resh Wate BBL.	20	8.33									
Disp. Fluid Fresh Water Der Spacer type resh Water BBL. Spacer type Caustic BBL. Acid Type Gal. Acid Type Gal. Surfactant Gal. NE Agent Gal/Lb Fluid Loss Gal/Lb Fric, Red. Gal/Lb	1	<u> </u>		-				-			
Acid Type Gal.		~~~~~							A		
Surfactant Gal.		In									
NE Agent Gal.		in						_			
Gelling Agent Gal/Lb		ln		-							
MISC. Gal/Lb	-		Total	l	4.0	Total	4.0		1 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
Perfpac Balls	Qtv.					Pr	essures				
Other			MAX		5,000 PSI	AVG.	5	0			
			MAY		8 BPM	Average	Rates in	BPI	M		
Other			INAA			Cemer	t Left in I	Pipe			
Other			Feet			Reason					
Stage Sacks Cement					nt Data				W/Rq	. Yield	Like/O-
Stage Sacks Cement 1 165 Premium (Clas	s H)	0.3% C-37	Additive	3					3.90		Lbs/Ga
2 0 0									0 0.00	0.00	0.00
3 0 0									0 0.00	0.00	0.00
I		l	C/ IF	nma	n						L
Preflush	Түре		austic		Preflush:	BBI	30.		Type:		0
Breakdown	MAX		5,000 PSI		Load & Bkdn:	Gal - BBI	N/		Pad:Bbl		N/A
		Returns-NI	NO/FULL		Excess /Retur Calc. TOC:	U RRI	N/	A	Calc.Dis Actual D		60 60.00
	Bum	p Plug PSI:			Final Circ.	PSI:			Disp:Bb		60.00
Average	10 N	1in15 M	in		Cement Slurn						
sip5 Min											
					Total Volume	BBI	90.	00			
			<u></u>		Total Volume	BBI	90.	00			
			<u></u>		Total Volume	 	90.	00			

r

				JOB LOG		PROJECT NUMBER SOK 2815	TICKET DATE 06/25/13
COMPANY			COUNT			STATE	COUNTY
Sandridge Ex	ploration &				Kansas	Harper	
Kristine 3	3507 1-1	Well No 8		IUr Setzer		CUSTOMER REP	
OKAN			SEC / TV 18/3	5S/7W	TICKET AMOUNT 7,079.07 WELL TYPE		
арилин# 15-077-21	936-01-	00	JOB PUR	COff Plug		Oil & Gas	
	Time	Rate	Volume	Volume Press.(PSI)		Job D	escription / Remarks
	Time	(BPM)	(BBL)(GAL)	CSG.	Tbg		
6/25/2013	1100					arrive	d on location
	1105						ty meeting
	1115						rig up
	1400				1500	pressure te	est pump and lines
	1405	4.0	20	100		and the second state of th	mp spacer
	1410	4.0	29.0	80		pump	cement slurry
	1420	4.0	2.0	10			mp spacer
	1425	3.0	58.0				mp mudd
	1500						ig down
	1600					Job	complete
				+			
			<u> </u>	+			
				1-1			
			ļ	<u>_</u>			
			ļ	- 			
						Anna Carlo and an anna an a	
			 				
				+			
				+	<u>├</u>		
			 	+ +			
							SOR SIGNITURE
The second se	Final lift	Floats	PSI ON	CEMENT		Χ	
Plug	Psi	Held	CSG	SURFACE			
STREET.	PERSONAL PROPERTY		Participation in				

JOB SUMMARY								SOK 2830			11CKET DATE 06/29/13		
COUNTY State COMPANY Harper Kansas Sandridge Exploration & Production						CUSTOMER REP Tim Mills							
Kristine 3507 1-18 Production						-	EMPLOYEE NAME ROBERT BURRIS						
EMP NAME	1-10	1 110000						JULINI	00	inno			
Robert Burris	0								T				
Mike Hall											ç		
Frank Reeves Cheryl Newtor									\rightarrow				
Form, Name	Type:						9480 (annual annua						
					ed Out		On Locatio		Job	Started		ompleted	
Packer Type Bottom Hole T	emp. 155 Press		Date		6/29/2013		6/29/2	013		6/29/2013	6/2	29/2013	
Retainer Dept	h Total	Depth 4825	Time 08:00			10:30			15:48		8:00		
Tuno a	Tools and Accessori				New/Use	-	Well D			E	Ŧ	[h4]	
Auto Fill Tube		Make IR	Casing		INEW/USE	a	Weight 17#	512e Gra	ade	From Surface	To 4.826	Max. Allow 5,000	
Insert Float Va	al O	IR	Liner						1		.,		
Centralizers	0	IR	Liner										
Top Plug HEAD	0	IR IR	Tubing			_		0	\rightarrow				
Limit clamp	0	IR IR	Drill Pip Open H					7%	+	Surface	4,821	Shots/Ft.	
Weld-A	0	IR	Perfora	Perforations							.1		
Texas Pattern Cement Baske		R	Perfora						-				
	Materiale		Perfora Hours (Operating I	Hours		Descrip	tion of Job	L	
Mud Type	WBM Density	9 Lb/Gal	Date		Hours		Date	Hours		Product			
Disp. Fluid Spacer type	Fresh Water Density BARITE BBL, 15	8.33 Lb/Gal 10.00	6/29	-	8.0		6/29	0.8	-	_			
Spacer type	BBL.			-					-				
Acid Type Acid Type	Gal.	_%	-	_									
Surfactant	Gal Gal	_% In							-				
NE Agent	Gal.	_In											
Fluid Loss Gelling Agent	Gal/Lb Gal/Lb	_In		-+					\neg	*			
Fric, Red.	Gal/Lb	In		\rightarrow					\neg	C			
MISC.	Gal/Lb	In	Total		8.0		Total	0.8		-			
Perfnac Balls	Qty.						Dro	ssures					
Other	Q(y.		MAX	5	5.000 PSI		AVG.	12	5				
					0.0014		Average I			Λ			
Other Other	and a second		MAX		8 BPM		AVG	4.5 Left in P					
Other			Feet		85		Reason			Т			
Stage Sacks	Cement	1	Additive		t Data					W/Rg	. Yield	1 ha/Cal	
1 150	50/50 POZ PREMIUM	4% Gel - 0.4% FL	-17 - 0.2%	C-51				0.5% C-41	P	6.77	1.44	Lbs/Gal 13.60	
2 100	Premium	0.4% FL-17 - 0.19	% C-51 - 0.1	% C-	20 - 0.4% C	-41	Р			5.20	1.18	15.60	
3 0	0									0 0.00	0.00	0.00	
			a construction		and a second								
			Sun	nman	/								
Preflush	Type:				reflush:		BBI	15.0				ite Spacer	
Breakdown	MAXIM		5,000 PSI NO/FULL		oad & Bkdr xcess /Ret			N/A N/A		Pad:Bbl Calc.Dis		110 N/A	
	Actual	тос	3,595	<u> </u>	alc. TOC:			3,59	5	Actual D)isp.	110.00	
Average Bump Plug PSI: 1.275 Final Circ. PSI: 700 Disp:Bbl Isip 5 Min. 10 Min 15 Min. 60.0													
		10 W	,		otal Volum		BBI	185.0					
							to an						
	· · · · · · · · · · · · · · · · · · ·												
CUSTON	IER REPRESENTAT	VE	1000				SIGNIATURE						
							SIGNATURE						

				JOB LOG	PROJECT NUMBER SOK 2830	TICKET DATE 06/29/13				
COMPANY Sandridge Ex	ploration &	Productio	COUNT	RY	state Kansas	COUNTY Harper				
Kristine 3		Well No	. EMPLO	DYEE NAME BERT BURRI	CUSTOMER REP					
FIELD	507 1-1	0	SEC / T	WP / RNG	Tim Mills					
Okan				B5S/7W	16,800.31 WELL TYPE					
15-077-21	936-00-	00	Pro	duction		Oil & Gas				
	Time Rate		Volum	e Press	s.(PSI)	Job Description / Remarks				
and the second second		(BPM)	(BBL)(GAL)	CSG.	Tbg					
6/29/2013	10:30					ARRIVED ON LOCATION				
	10:40					SAFETY MEETING				
	14:00					RIG UP				
	15:48			5000		TEST PUMPS AND LINES MIX AND PUMP WEIGHTED BARITE SPACER				
	15:53	5.0	15	150						
	16:00	5.0	39.0	150		MIX AND PUMP LEAD CEMENT @ 13.6PPG				
	16:07	5.0	21.0	275		MIX AND PUMP TAIL CEMENT @ 15.6PPG				
	16:15	0.5	140.0		-	SHUT DOWN/ DROP PLUG				
	16:17	6.5	110.0	75		START DISPLACEMENT				
	16:26 16:33	6.5 3.0	50.0	75 500		CHECK RATE AND PRESSURE SLOW RATE TO LAND PLUG				
	16:33	3.0	110.0	1275		LAND PLUG				
	16:42	5.0	110.0	12/5		RELEASE PRESSURE TO CHECK FLOATS				
	16:42			+			ATS HELD			
	16:45					Construction of the second	G DOWN			
	18:00					LEAV	E LOCATION			
							CARGE CONTRACTOR CONTRACTOR			
				<u> </u>						
			ļ	+						
				<u> </u>			And the second			
				+						
			l	┼-┼ ╢						
				┼╌┠───┤						
				+ +						
						SKIPERVIS	SOR SIGNITURE			
Bumped	Final lift	Floats	PSI ON	CEMENT		X	4/2			
Plug	Psi	Held	CSG	SURFACE		Tall	112			
YES	700	YES	1275.0				`````````````````````````````````````			



Standard Wellpath Report Sandridge Sec 18 - 35S - 7W, Kansas Harper County Wellbore: Kristine 3507 1-18 (Actual)

Wellbore

Wellbore Name			Created		Last Revise	
Kristine 3507 1-	18 (Actual)		25-Jun-2013		1-Jul-2013	
Vell				 		
Name Kristine 350			Government ID		Last Revise 25-Jun-201	
Slot						
Name Kristine 3507 1-18	Grid Northing 122423.0000	Grid Easting 2113375.0000	Latitude N37 0 8.0377	Longitude W98 6 42.4579	North 0.00N	East 0.00E
nstallation						
Name Harper County		Easting 3375.0000	Northing 122423.0001	Coord System Name TH AMERICAN DATU		North Alignment Grid
Field				 		
Name Sec 18 - 35S - 7W		Easting 3375.0000	Northing 122423.0001	Coord System Name TH AMERICAN DATU		North Alignment Grid
Created By						
Comments	新建築相関連は登入した					
FINAL Surveys						
VD 4821 is a proj	ection to bi	t @ TD				



Standard Wellpath Report Sandridge Sec 18 - 35S - 7W, Kansas Harper County Wellbore: Kristine 3507 1-18 (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft	Easting	Northing
							1		100100.00
4517.00	0.00	0.000	4517.00	0.00N	0.00E		0.00	2113375.00	122423.00
4535.00	0.20	29,100	4535.00	0.03N	0.02E	1.11	0.03	2113375.02	122423.03
4566.00	1.10	359.600	4566.00	0.37N	0.04E	3.00	0.37	2113375.04	122423.37
4598.00	2.70	359.200	4597.98	1.43N	0.03E	5.00	1.43	2113375.03	122424.43
4629.00	4.30	3.600	4628.92	3.32N	0.09E	5.23	3.32	2113375.09	122426.32
4661.00	4.40	5.000	4660.83	5.74N	0.27E	0.46	5.74	2113375.27	122428.74
4693.00	4.70	359.000	4692.73	8.28N	0.36E	1.76	8.28	2113375.36	122431.28
4725.00	5,50	358.500	4724.60	11.12N	0.29E	2.50	11.12	2113375.29	122434.12
4756.00	6.00	357.600	4755.44	14.22N	0.19E	1.64	14.22	2113375.19	122437.23
4775.00	6.30	354,600	4774.34	16.25N	0.05E	2.31	16.25	2113375.05	122439.26
4821.00	6.30	354.600	4820.06	21.28N	0.43W	==>	21.28	2113374.57	122444.28

All data is in Feet unless otherwise stated Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kristine 3507 1-18 0.00ft above Mean Sea Level) Vertical Section is from 0.00N 0.00E on azimuth 0.000 degrees Bottom hole distance is 21.28 Feet on azimuth 358.85 degrees from Wellhead Calculation method uses Minimum Curvature method Prepared by Date Printed: 1-Jul-2013



TVD[ft] 4820.06

Standard Wellpath Report Sandridge Sec 18 - 35S - 7W, Kansas Harper County Wellbore: Kristine 3507 1-18 (Actual)

Comments MD[ft] 4821.00

North[ft] 21.28N East[ft] 0.43W Comment Projection to bit @ TD

All data is in Feet unless otherwise stated Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kristine 3507 1-18 0.00ft above Mean Sea Level) Vertical Section is from 0.00N 0.00E on azimuth 0.000 degrees Bottom hole distance is 21.28 Feet on azimuth 358.85 degrees from Wellhead Calculation method uses Minimum Curvature method Prepared by Date Printed: 1-Jul-2013

