Confidentiality Requested: Yes No

### KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1099778

Form ACO-1 August 2013 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 Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
	If Alternate II completion, cement circulated from:
Operator:	
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion     Permit #:	Dewatering method used:
SWD     Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

### 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
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1099778
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		og Formatio	n (Top), Depth ai	nd Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		on, 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 / SQU	JEEZE RECORD			·
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

Shots Per Foot				RD - Bridge Plugs Each Interval Perfo		e		Acid, Fracture, Shot, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R		No	
Date of First, Resumed	Product	ion, SWD or ENHF	<b>}</b> .	Producing Methe	od: Pump	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas I	Vlcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF C	GAS:		М	ETHOD (	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Used on Lease		Dpen Hole	Perf.	Dually (Submit A		Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC	)-18.)		Other (Specify)						

No

🗌 No

No

(If No, skip questions 2 and 3)

(If No, fill out Page Three of the ACO-1)

(If No, skip question 3)

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	William 3510 2-11H
Doc ID	1099778

All Electric Logs Run

Array Induction Gamma Ray Memory Log

Spectral Density Dual Space Neutron Gamma Ray Memory Log

Boresight

ML 5 in MD Final

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	William 3510 2-11H
Doc ID	1099778

### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9122-9550	4216 bbls of water, 36 bbls acid, 75M lbs sand, 4252 TLTR	
5	8588-9017	4168 bbls of water, 36 bbls acid, 75M lbs sand, 8713 TLTR	
5	8055-8484	4149 bbls of water, 36 bbls acid, 75M lbs sand, 12898 TLTR	
5	7522-7951	4112 bbls of water, 36 bbls acid, 75M lbs sand, 17157 TLTR	
5	6989-7418	4044 bbls of water, 36 bbls acid, 75M lbs sand, 21380 TLTR	
5	6460-6885	4080 bbls of water, 36 bbls acid, 75M lbs sand, 25496 TLTR	
5	5923-6352	4175 bbls water, 36 bbls acid, 75M lbs sd, 29757 TLTR	
5	5390-5818	3981 bbls water, 36 bbls acid, 75M lbs sd, 33809 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	William 3510 2-11H
Doc ID	1099778

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	32	20	75	105	Mid- Continent Conductor grout	10	none
Surface	12.25	9.63	36	918	O-Tex Lite Premium Plus/ Premium Plus (Class C)	650	(6% gel) 2% Calcium Chloride, 1/4 pps Cello- Flake, .5% C-41P
Intermedia te	8.75	7	26	5353	50/50 Poz Premium/ Premium	275	4% gel, .4% C-12, .1% C-37, .5% C- 41P, 2 lb/sk Phenoseal
Production	6.12	4.5	11.6	9639	50/50 Premium Poz	315	(4% gel) .4% C12, .1% C37, .5% C- 41P, 2 lb/sk Phenoseal

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/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

November 05, 2012

Tiffany Golay SandRidge Exploration and Production LLC 123 ROBERT S. KERR AVE OKLAHOMA CITY, OK 73102-6406

Re: ACO1 API 15-007-23952-01-00 William 3510 2-11H SE/4 Sec.02-35S-10W Barber County, Kansas

**Dear Production Department:** 

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Tiffany Golay

# Mid-Continent Conductor, Lic

## Invoice

P.O. Box 1570 Woodward, OK 73802

Phone: (580)254-5400 Fax: (580)254-3242

### Bill To

SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Date of Service Lease Name/Legal Desc. **Drilling Rig** Ordered By Terms William 3510 2-11H, Barber Cnty, KS Unit 9 Parker Net 45 10/11/2012 Description Item Quantity Drilled 90 ft. conductor hole **Conductor Hole** 90 Furnished 90 ft. of 20 inch conductor pipe 20" Pipe 90 Mouse Hole 80 Drilled 80 ft. mouse hole 16" Pipe 80 Furnished 80 ft. of 16 inch mouse hole pipe Drilled 6' X 6' cellar hole Cellar Hole 1 6' X 6' Tinhorn Furnished and set 6' X 6' tinhorn 1 Mud and Water Furnished mud and water 1 Transport Truck - Conductor Transport mud and water to location 1 Grout & Trucking 10 Furnished grout and trucking to location Grout Pump 1 Furnished grout pump Welder & Materials Furnished welder and materials 1 Dirt Removal Furnished labor and equipment for dirt removal 1 Cover Plate Furnished cover plates 1 Permits 1 Permits AFE Number: DC12446 Well Name: 61. 1119 3570 2-11 H Code: 830.010 17800 Amount: Rome Sava Co. Man: Co. Man Sig, Notes: Subtotal \$17,800.00 Sales Tax (0.0%) \$0.00 \$17,800.00 Total

# Date Invoice # 10/11/2012 1521

	J		MAR	Y			2017	and the second	10/22/12		
							AYNE BU	IRT			
					EMPLOYEE NAM	E					
	510 2-11	Surfac	e				BILLY TA	AFF			
EMP NAME	1 10	Condentific in the second second			tetan marin						
BILLY TAFF JASON JONES											
MARCOS QUINTANA											
CHERYL NEWTON											
Form. Name	Type:							L			
				Called		On Locatio		Started		ompleted	
Packer Type	Set At		Date	10	/22/2012	10/22/2	2012	10/22/2012	10/	22/2012	
Bottom Hole Temp. 80 Retainer Depth	Pressu Total D		Time		12:00AM	2:00A	M	5:30AM	7	:45AM	
Tools and A			Time		2100/111	Well D		otoortin			
Type and Size	Qty	Make			New/Used	Weight	Size Grade		То	Max. Allow	
Auto Fill Tube	0	IR	Casing			36#	9 5/8"	Surface		1,500	
Insert Float Val	0	IR	Liner								
Centralizers Top Plug	0	IR IR	Liner Tubing				0	<u>∤</u> ∤			
HEAD	0	IR	Drill Pi		+	1		<u>├</u>		1	
Limit clamp	0	İR	Open I				12 1/4"	Surface	950	Shots/Ft.	
Weld-A	0	IR	Perfora								
Texas Pattern Guide Shoe	0	IR	Perfora								
Cement Basket Materi	0	IR	Perfora Hours		nation	Operating	Houre	Descript	tion of Job		
Mud Type WBM	Density	9 Lb/Gal	Dat	e	Hours	Operating Date	Hours	Surface			
Disp Fluid Fresh Water	Density	8.33 Lb/Gal	10/2	2	4.5	10/22	2.5	Surrace			
Spacer type resh Wate BBL		8.33									
Spacer type BBL Acid Type Gal.		%									
Acid Type Gal.		%									
Surfactant Gal.											
NE Agent Gal.		In									
Fluid Loss Gal/	Lb	In									
Gelling Agent Gal/ Fric. Red Gal/	'Lb	In									
MISC. Gal/	Lb	In	Total		4.5	Total	2.5				
Perfpac Balls	Qty.			4	C00 DC1		essures				
Other			MAX	1	500 PSI		125 Rates in BP	M			
Other			MAX		6 BPM	AVEIAG					
Other						Cement	Left in Pipe				
Other			Feet		47	Reason	SHOE JOI	NT			
				ement	Data			LAUE	I Ment	1 1 1 10 1	
Stage Sacks Ceme 1 390 FEX Lite Premin		(6% Gel) 2% Calc	Additive		Anns Cello	Jake - 5% C	_41P	W/Rq 10.88		Lbs/Gal 12.70	
2 160 Premium Plus	(Class C)	1% Calcium Chlo	ride - 1/4r	IDS Ce	lo-Flake	iane0 /a C		6.32	1.84	14.80	
a loo licinduirius	(Class C)	*2% Calcium Chlo	oride on s	ide to	ise if necess	sary		*6.32		*14.8	
3 *100 Premium Plus								•			
3 *100 Premium Plus											
3 *100 Premium Plus											
3 *100 Premium Plus			Su	nmary					_		
3 *100 Premium Plus				P	eflush:	BBI Cal BBI	10.00	Type:		Water	
3 *100 Premium Plus Preflush Breakdown	MAXIM		,500 PSI	Pi	eflush: ad & Bkdn:	Gal - BBI	N/A	Pad:Bbl	-Gal	N/A	
3 *100 Premium Plus	MAXIM	eturns-N	,500 PSI NO/FULL URFACE		eflush: ad & Bkdn: cess /Return alc. TOC:	Gal - BBI n BBI	N/A 26 SURFAC	Pad:Bbl Calc.Dis E Actual D	-Gal sp Bbl Disp		
3 *100 Premium Plus Preflush Breakdown Average	MAXIM Lost Re Actual Bump F	eturns-N 1 TOC 5 Plug PSI:	,500 PSI NO/FULL URFACE 310	Pi Lc Ei Ci Fi	eflush: ad & Bkdn: cess /Return alc. TOC: nal Circ.	Gal - BBI n BBI PSI:	N/A 26 SURFAC 310	Pad:Bbl Calc.Dis	-Gal sp Bbl Disp	N/A 69	
3 *100 Premium Plus	MAXIM Lost Re Actual	eturns-N 1 TOC 5 Plug PSI:	,500 PSI NO/FULL URFACE 310		eflush: ad & Bkdn: (cess /Return alc. TOC: nal Circ. ement Slurry	Gal - BBI n BBI PSI: : BBI	N/A 26 SURFAC 310 165.4	Pad:Bbl Calc.Dis E Actual D	-Gal sp Bbl Disp	N/A 69 68.00	
3 *100 Premium Plus Preflush Breakdown Average	MAXIM Lost Re Actual Bump F	eturns-N 1 TOC 5 Plug PSI:	,500 PSI NO/FULL URFACE 310		eflush: ad & Bkdn: cess /Return alc. TOC: nal Circ.	Gal - BBI n BBI PSI:	N/A 26 SURFAC 310	Pad:Bbl Calc.Dis E Actual D	-Gal sp Bbl Disp	N/A 69 68.00	
3 *100 Premium Plus Preflush Breakdown	MAXIM Lost Re Actual Bump F	eturns-N 1 TOC 5 Plug PSI:	,500 PSI NO/FULL URFACE 310		eflush: ad & Bkdn: (cess /Return alc. TOC: nal Circ. ement Slurry	Gal - BBI n BBI PSI: : BBI	N/A 26 SURFAC 310 165.4	Pad:Bbl Calc.Dis E Actual D	-Gal sp Bbl Disp	N/A 69 68.00	
3 *100 Premium Plus Preflush Breakdown	MAXIM Lost Re Actual Bump F 10 Min	eturns-N S TOC S Plug PSI: 15 Mi	,500 PSI NO/FULL URFACE 310		eflush: ad & Bkdn: (cess /Return alc. TOC: nal Circ. ement Slurry	Gal - BBI n BBI PSI: : BBI	N/A 26 SURFAC 310 165.4	Pad:Bbl Calc.Dis E Actual D	-Gal sp Bbl Disp	N/A 69 68.00	

. .

		OB SUM	MARY	/	SOK	ER 2036	TICKET DATE	10/27/12	, ]		
COUNTY State COMPANY C						CUSTOMER REP					
EASE NAMÉ Well No. JOB TYPE						RON SAVAGE					
WILLIAM	1510 2-11	I Intermed	liate			Robert B	urris				
EMP NAME Robert Burris		ocky Anthis	T				r				
Derek Lewis		Jery Antina									
Wesley Truex											
Frank Reeves											
Form. Name	Type:	· · · · ·	I								
				Called Out	On Locatio	n Jol	b Started		ompleted		
Packer Type Bottom Hole Temp.	Set At 155 Press		Date	10/27/2012	10/27/2	2012	10/27/2012	10	/27/2012		
Retainer Depth	Total I		Time	09:30	11:00		19:30	2	0:28		
	and Accessorie		Linic 1	00.00	Well D		15.50		0.20		
Type and Size	Qty	Make		New/Used		Size Grade	From	То	Max. Allow		
Auto Fill Tube	0	IR	Casing		26#	7"	Surface	5,356	5,000		
Insert Float Val	0	IR	Liner								
Centralizers Top Plug	0	IR	Liner			0					
HEAD	0	IR IR	Tubing Drill Pipe			U	II		+		
Limit clamp	0	IR	Open Ho		I	8 3/4"	Surface	5,353	Chota/Fi		
Weld-A	0	İR	Perforati				Guildee	0,000	Shots/Ft.		
Texas Pattern Guide SI		IR	Perforati	lons					11		
Cement Basket		IR	Perforati								
Mud Type WBI	Materials Density	9 Lb/Gall	Hours O Date	n Location Hours	Operating Date	Hours	Descrip	tion of Job	)		
	later Density	8.33 Lb/Gal	10/27		10/27	Hours 1.0	Interme	diate			
Spacer type Gel	BBL. 30	8.59									
Spacer type	BBL						1				
Acid Type	Gal.	%									
Acid Type Surfactant	_Gal Gal	%									
NE Agent		_In									
Fluid Loss	_Gal. _Gal/Lb	In									
	Gal/Lb	In							-		
Fric. Red.	_ Gal/Lb	In									
MISC.	Gal/Lb	_In	Total	9.0	Total	1.0					
Perfpac Balls	Otv		[		Dro	ssures		-			
Other			MAX	5,000 PSI	AVG.						
Other						Rates in BP	M				
Juner			MAX	8 BPM	AVG	5					
Other Other			-	0.1		Left in Pipe					
Julei			Feet	91	Reason	SHOE JOI	NT				
			0								
Stage Sacks	Cement		Additives	ment Data			1 14//0-	L M. LL			
1 175 50/50 1	POZ PREMIUM	4% Gel - 0.4% C-		37 - 0.5% C-41P - :	2 lb/sk Phen	oseal	W/Rq. 6.77	Yield 1.44	Lbs/Gal 13.60		
2 100 1	Premium	0.4% C-12 - 0.1%	C-37				5.20	1.18	15.60		
3 0	0						0 0.00	0.00	0.00		
Preflush	Tunci		Sum			BE BE					
Breakdown	Type: MAXIN	II.IM	5,000 PSI	Preflush: Load & Bkdn:	BBI	30.00 N/A	Type:		TED SP.		
			NO/FULL	Excess /Return		N/A N/A	Pad:Bbl Calc.Dis	n Bhl	N/A 202		
	Actual	ТОС	3,673	Calc. TOC:	-	3,673	Actual D	isp.	198.00		
Average siP5 Min	Bump I 10 Min	Plug PSI: 15 M	1,625	Final Circ.	PSI:	925	Disp:Bbl				
O IVIIII		15 M		Cement Slurry: Total Volume	BBI L	65.0 293.00					
	1	and the second second second second second			001	203.00					
				I							
CUSTOMER REF	RESENTATI	/E									
SUSTOWER REP	RESENTATI				SIGNATURE						
				the second second second	OUNTURE						

				V				TICKET DATE		, ]	
						SOK 2073 11/03/12					
BARBER	KANSAS	dridge Explora	ation & I	Produ	uc	RON SAVAGE					
LEASE NAME WILLIAM	1510 2-1	JOB TYPE									
EMPNAME	1010 E-1						THERE FUR		and the second second second second second second second second second second second second second second second	U	
Matt Wilson	1 10	.00		TT			1	1			
Jared Green						and the second second					
Emmit Brock											
David Thomas											
Form. Name	Type		6.07.0 <sup>-1</sup> .11.1.1	·							
		·			d Out	On Locatio	on Jo	b Started	Job C	ompleted	
Packer Type	Set A 150 Press	t <u>5,353</u>	Date	1	1/3/2012	11/3/2	012	11/4/2012	T	1/4/2012	
Bottom Hole Temp. Retainer Depth	Press	Depth 9639	Time		11:00 am	4:00	nm	12:34 am	3	:00 am	
Tool	Is and Accessor	les			11.00 am	Well [		TE.OT UIII	<u> </u>		
Type and Size	Qty	Make			New/Used		Size Grade	e From	То	Max. Allow	
Auto Fill Tube	0	Weatherford	Casing		1	11.6	4 1/2	4841	9,639	1	
nsert Float Val	0		Liner T	ool							
Centralizers	0		HWDP					3,878	4,841		
Fop Plug	0		Drill Pi				3 1/2"	0	38,778		
IEAD	0		Drill Co				0.1101				
_imit clamp	0		Open H				6 1/8"	Surface	9,639	Shots/Ft.	
Neld-A	0		Perfora								
Texas Pattern Guide S	shoe 0		Perfora								
Cement Basket			Perfora Hours		action	Operating	Houro	Decerir	tion of Job		
Mud Type WB	Materials IM Density	9.1 Lb/Gal	Date		Hours	Date	Hours			·	
Disp Fluid Fresh	Water Density	8.33 Lb/Gal	11/3	5	8.0	11/4	6.0	– Liner			
Snacer type 'resh Wa	ate BBI 20	8.33	11/4		3.0		1				
Spacer type Causti	C BBL. 10	8,40									
Acid Type	Gal.	%									
Acid Type	Gal	_%									
Surfactant	Gal										
NE Agent	Gal										
Fluid Loss	Gal/Lb										
Selling Agent	Gal/Lb Gal/Lb										
MISC.	Gal/Lb	_in	Total		11.0	Total	6.0				
			1 Otdi	_		i otai		-			
Perfpac Balls	Qty.						essures				
			MAX	3	,500 PSI	AVG.	500				
Sther							Rates in BR	PM			
Other			MAX		6 BPM		4				
Other					45		Left in Pip				
Other	2011 E		Feet		45	Reason	SHOE JO				
			~	om 4	Data						
Stano   Sacka	Cement	1	Additive		Data			W/Rd	a. Yield	Lbs/Gal	
Stage Sacks 1 315 50/50	O Premium Poz	(4%Gel)4% C12			% C-41P - 21	b/Sk Pheno	seal	6.77		13.60	
2 0	0	Take 100 # Sugar		0.0		alon i neno		0.00		0.00	
3 0	0	- and too if ougai			1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -			0 0.00		0.00	
<u> </u>	`								0.00		
			Sur	nmary	,						
Preflush	10- Type:		austic	P	reflush:	BBI	20.00	Type:	8.59#	SPACER	
Breakdown	MAXI	MUM 3	500 PSI		bad & Bkdn:		N/A	Pad:Bb		N/A	
			NO/FULL		xcess /Return	n BBI	N/A	Calc.Di		118	
			4,697'		alc. TOC:	DOI	4,697			118.00	
Average	Bump 10 Mi	Plug PSI:	n		inal Circ. ement Slurry:	PSI: BBI	80.0	Disp:Bl			
sip5 Min		13 Mi	"		otal Vojugne	BBI	218.00	)			
	1		/			50,		1			
		1		1	1						
			Ň	n.	laver				-#		
CUSTOMER RE	FRESENTAL			r of	Larg	SIGNATURE			#		
					R				and the second se		

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### Standard Wellpath Report Sandridge Sec 2 - 35S - 10W, Kansas Barber County Wellbore: William 3510 2-11H (Actual)

### Wellbore

Nan			Created 17-Oct-2012		Last Revised 14-Jan-2013				
William 3510 2-	-11H (Actual)		17-001-2012		14-Jan-2013				
Well									
Nan			Government ID		Last Revise 17-Oct-2012				
William 35	10 2-11H				17-Oct-2017	2			
Slot									
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East 1029.94W			
William 3510 2-11H	129417.0000	2038266.0000	N37 1 19.2554	W98 22 8.1820	188.99N	1029.94			
Installation									
Name		Easting	Northing	Coord System Name		North Alignment			
Barber County	203	9296.0000	129228.0001	KS-S on NORTH AMERICAN DATUM	1 1927 datum	Grid			
Field									
Name Easting			Northing	Coord System Name					
Sec 2 - 35S - 10W	203	9296.0000	129228.0001	KS-S on NORTH AMERICAN DATUM	1 1927 datum	Grid			
Created By									
Comments		State States							
FINAL surveys									
MD 9639 is a pro	jection to bit	t @ TD							
		_							



# Standard Wellpath Report Sandridge Sec 2 - 35S - 10W, Kansas Barber County Wellbore: William 3510 2-11H (Actual)

#### Wellpath (Grid) Report

	(and) ne		the second second					_	
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg	Vertical	Easting	Northing
						[deg/100ft]	Section[ft		
0.00	0.00	0.000	0.00	0.000	0.005		] 0.00	0000000 00	120417.00
0.00	0.00	0.000	0.00	0.00N	0.00E	0.04	0.00	2038266.00	129417.00 129416.44
969.00	0.40	260.500	968.99	0.565	3.34W 3.96W	0.04 0.06	0.28 0.39	2038262.66	129416.29
1062.00	0.40	252.000	1061.99	0.715	3.967	0.06	0.39	2038262.03	
1154.00	0.40	276.200	1153.99	0.785	4.59W	0.18	0.40	2038261.41	129416.22
1623.00	0.30	188.300	1622.98	1.815	6.39W	0.10	1.29	2038259.61	129415.19
2098.00	0.60	194.100	2097.97	5.46S	7.18W	0.06	4.85	2038258.82	129411.54
2574.00	0.50	150.600	2573.95	9.68S	6.77W	0.09	9.10	2038259.23	129407.32
3049.00	0.60	138.600	3048.92	13.36S	4.11W	0.03	12.98	2038261.89	129403.64
3524.00	0.30	179.200	3523.91	16.46S	2.44W 1.28W 0.14E	0.09	16.21	2038263.56	129400.53
3810.00	0.50	112.300	3809.90	17.69S	1.28W	0.16	17.52 18.70	2038264.72	129399.31
3872.00	2.80	129.400	3871.88	18.75S	0.14E	3.75	18.70	2038266.14	129398.25
3904.00	5.00	131.500	3903.80	20.17S	1.79E	6.89	20.25	2038267.79	129396.83
3936.00	6.60	135.100	3935.63	22.40S	4.13E	5.13	22.66	2038270.13	129394.60
3968.00	8.40	139.600	3967.36	25.48S	6.95E 10.07E 13.83E	5.91	25.96	2038272.95	129391.52
3999.00	10.10	142.600	3997.96	29.36S	10.07E	5.70 6.17	30.09	2038276.07	129387.63
4032.00	12.10	144.600	4030.34	34.48S	13.83E	6.17	35.50	2038279.83	129382.52
4064.00	13.30	146.800	4061.55	40.30S	17.79E 22.12E 26.45E	4.04 3.33 4.13	41.61	2038283.79	129376.70
4097.00	14.40	146.700	4093.59	46.90S	22.12E	3.33	48.55	2038288.12	129370.09
4127.00	15.60	145.500	4122.57	53.35S	26.45E	4.13	55.33	2038292.45	129363.65
4159.00	17.00	145.200	4153.28	60.73S	31.56E 37.07E	4.38	63.11	2038297.56	129356.26
4191.00	18.20	145.300	4183.79	68.68S	37.07E	3.75	71.48	2038303.07	129348.31
4222.00	19.80	145.400	4213.10	76.99S	42.81E	5.16	80.22	2038308.81	129340.01
4254.00	22.00	144.700	4242.99	86.34S	49.35F	6 92	90.08	2038315.35	129330.66
4285.00	24.70	144.600	4271.45 4300.14	96.36S	56.46E 64.62E	8.71	100.65	2038322.46	129320.63
4317.00	27.80	145.000	4300.14	107.93S	64.62E	9.70	112.84	2038330.62	129309.07
4349.00	30.70	146.200	4328.06	120.83S	73.44E 82.43E 92.17E	8.71 9.70 9.25 7.23	126.42	2038339.45	129296.16
4380.00	32.90	147.000	4354.41	134.47S	82 43E	7.23	140.74	2038348.44	129282.52
4412.00	34.00	146.000	4381.10	149.17S	92 17E	3.84	156.20	2038358.17	129267.82
4444.00	36.60	145.400	4407 22	164.45S	102.59E	8.20	172.27	2038368.59	129252.54
4476.00	39.90	145.400	4407.22 4432.35	180.75S	113.84E	10.31	189.44	2038379.84	129236.24
4507.00	42.70	146.300	4455 63	197.68S	125.32E	9.23	207.25	2038391.32	129219.30
4539.00	44.60	147.500	4455.63 4478.79	216.195	137.38E	6.48	226.68	2038403.38	129200.80
4571.00	45.30	149.000	4501 43	235.41S	149.27E	10.31 9.23 6.48 3.97 5.08 8.78 8.49	246.81	2038415.28	129181.57
4602.00	46.70	150.000	4501.43 4522.97	254.63S	160.59E	5.08	246.81 266.88	2038426.59	129162.36
4634.00	49.50	149.700	4544.34	275.22S	172.55E	0.70	288.38	2038438.56	129141.76
4666.00	52.20	150.100	4564.54	296.69S	184.99E	0.70	310.79	2038451.00	129120.30
4698.00	52.40	150.500	4504.54	318.68S	197.54E	1.17	333.74	2038463.55	129098.30
4762.00	52.00	149.800	4584.11	310.003	222.70E	1.17	379.50	2038488.72	129054.44
	52.60	150.000	4623.33 4679.59	362.54S 425.52S	259.21E	1.07	445.25	2038525.22	128991.46
4854.00 4888.00	55.60	151.900	4699.53	449.59S	272.57E	0.07	440.20	2038538.59	128967.38
	57.90	153.800	4717.07	473.41S	284.78E	9.92	470.33 495.06	2038550.79	128943.57
4920.00	61.00		4/1/.0/	4/3.415	204.70E	1.07 0.67 9.92 8.74 10.02 9.69 9.79 9.35 12.00	495.06		
4951.00		153.600	4732.83 4747.65	497.34S	296.61E	10.02	519.88	2038562.62	128919.64
4983.00	63.80	155.100	4747.65	522.90S	308.88E	9.69	546.36	2038574.89	128894.07
5014.00	66.30	157.000	4760.73	548.58S	320.28E	9.79	572.89	2038586.30	128868.39
5046.00	68.90	158.600	4772.92	575.97S	331.45E	9.35	601.10	2038597.47	128840.99
5078.00	71.60	161.500	4783.74	604.28S	341.72E	12.00	630.15	2038607.74	128812.69
5109.00	73.80	164.900	4792.96	632.61S	350.27E	12.65 12.49	659.08	2038616.29	128784.36
5141.00	75.40	168.700	4801.46	662.64S	357.31E	12.49	689.58	2038623.33	128754.32
5173.00	76.70	172.700	4809.18	693.28S	362.32E	12.79 12.47 11.53	720.53	2038628.34	128723.68
5205.00	79.60	175.500	4815.75	724.435	365.54E	12.47	751.83	2038631.56	128692.53
5236.00	82.70	177.300	4820.52	754.99S	367.46E	11.53	782.46	2038633.48	128661.97
5268.00	85.70	180.000	4823.75	786.81S	368.21E	12.58	814.23	2038634.23	128630.14
5300.00	88.60	182.100	4825.34	818.76S	367.62E	11.18	846.03	2038633.64	128598.19
5320.00	89.70	182.800	4825.64	838.74S	366.76E	6.52	865.87	2038632.78	128578.21
5365.00	90.70	182.400	4825.48	883.69S	364.72E	2.39	910.51	2038630.74	128533.26
5455.00	91.40	182.300	4823.83	973.60S	361.03E	0.79	999.81	2038627.05	128443.34
5548.00	90.30	182.000	4822.45	1066.53S	357.54E	1.23	1092.14	2038623.56	128350.42
5642.00	90.20	181.100	4822.04	1160.49S	355.00E	0.96	1185.58	2038621.02	128256.45
5735.00	89.30	180.900	4822.45	1253.47S	353.38E	0.99	1278.13	2038619.40	128163.46
5828.00	89.90	180.500	4823.10	1346.46S	352.24E	0.78	1370.71	2038618.26	128070.46
5920.00	89.90	180.100	4823.26	1438.46S	351.76E	0.43	1462.37	2038617.78	127978.46
6012.00	90.40	180.400	4823.02	1530.46S	351.36E	0.63	1554.02	2038617.38	127886.46
6105.00	89.40	179.700	4823.18	1623.46S	351.28E	1.31	1646.71	2038617.30	127793.45
6196.00	89.50	178.800	4824.05	1714.45S	352.47E	1.00	1737.49	2038618.49	127702.46
6289.00	90.00	179.000	4824.46	1807.43S	354.26E	0.58	1830.30	2038620.27	127609.47
6381.00	90.40	179.400	4824.14	1899.42S	355.54E	0.61	1922.09	2038621.56	127517.48
6473.00	90.20	179.600	4823.66	1991.41S	356.34E	0.31	2013.85	2038622.36	127425.48
6566.00	90.20	179.500	4823.33	2084.41S	357.07E	0.11	2106.59	2038623.09	127332.48
6661.00	90.10	180.400	4823.08	2179.41S	357.16E	0.95	2201.28	2038623.18	127237.47
6755.00	90.10	179.200	4822.92	2273.41S	357.48E	1.28	2294.99	2038623.50	127143.47
				mineter (100000110) - 505700					on wars or definition in

All data is in Feet unless otherwise stated Coordinates are from Slot MD's are from Slot and TVD's are from Slot (William 3510 2-11H 0.00ft above Mean Sea Level ) Vertical Section is from 0.00N 0.00E on azimuth 175.320 degrees Bottom hole distance is 5171.85 Feet on azimuth 175.39 degrees from Wellhead Calculation method uses Minimum Curvature method Prepared by Date Printed: 14-Jan-2013



### Standard Wellpath Report Sandridge Sec 2 - 35S - 10W, Kansas Barber County Wellbore: William 3510 2-11H (Actual)

Wellpath (Grid) Report									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft	Easting	Northing
6851.00	89.70	177.100	4823.09	2369.35S	360.58E	2.23	2390.87	2038626.60	127047.52
6946.00	90.00	176.900	4823.34	2464.22S	365.55E	0.38	2485.83	2038631.58	126952.65
7042.00	89.20	177.100	4824.01	2560.08S	370.58E	0.86	2581.78	2038636.60	126856.78
7137.00	89.50	177.100	4825.08	2654.96S	375.39E	0.32	2676.73	2038641.41	126761.90
7233.00	89.20	176.900	4826.17	2750.82S	380.41E	0.38	2772.68	2038646.43	126666.03
7328.00	89.20	176.900	4827.50	2845.67S	385.55E	==>	2867.64	2038651.57	126571.17
7423.00	89.50	177.500	4828.58	2940.55S	390.19E	0.71	2962.58	2038656.21	126476.29
7518.00	88.80	177.400	4829.99	3035.44S	394.41E	0.74	3057.50	2038660.43	126381.39
7613.00	90.70	178.200	4830.40	3130.37S	398.06E	2.17	3152.41	2038664.08	126286.46
7708.00	88.90	177.600	4830.73	3225.30S	401.54E	2.00	3247.31	2038667.56	126191.52
7803.00	88.50	178.100	4832.89	3320.21S	405.10E	0.67	3342.19	2038671.13	126096.61
7899.00	90.40	178.100	4833.81	3416.15S	408.29E	1.98	3438.07	2038674.31	126000.67
7994.00	90.20	179.000	4833.31	3511.11S	410.69E	0.97	3532.92	2038676.71	125905.69
8089.00	88.40	179.100	4834.47	3606.095	412.26E	1.90	3627.70	2038678.29	125810.71
8120.00	89.40	179.900	4835.07	3637.08S	412.53E	4.13	3658.61	2038678.56	125779.72
8152.00	91.20	180.700	4834.90	3669.08S	412.37E	6.16	3690.49	2038678.39	125747.72
8183.00	91.30	180.800	4834.22	3700.07S	411.96E	0.46	3721.35	2038677.98	125716.73
8216.00	91.40	180.900	4833.45	3733.06S	411.47E	0.43	3754.18	2038677.49	125683.74
8247.00	91.50	180.700	4832.66	3764.04S	411.04E	0.72	3785.03	2038677.06	125652.75
8279.00	91.50	180.700	4831.82	3796.03S	410.65E	==>	3816.88	2038676.67	125620.76
8311.00	91.50	180.600	4830.99	3828.02S	410.29E	0.31	3848.73	2038676.31	125588.77
8374.00	91.10	180.600	4829.56	3891.00S	409.63E	0.63	3911.45	2038675.65	125525.79
8468.00	91.20	181.000	4827.67	3984.97S	408.31E	0.44	4005.00	2038674.34	125431.81
8563.00	91.10	180.400	4825.76	4079.94S	407.15E	0.64	4099.56	2038673.18	125336.83
8658.00	90.80	180.900	4824.19	4174.92S	406.08E	0.61	4194.14	2038672.10	125241.85
8753.00	90.80	181.000	4822.86	4269.90S	404.50E	0.11	4288.67	2038670.52	125146.86
8848.00	90.00	181.000	4822.20	4364.88S	402.84E	0.84	4383.20	2038668.87	125051.88
8943.00	90.60	182.100	4821.70	4459.85S	400.27E	1.32	4477.63	2038666.30	124956.91
9039.00	91.00	181.000	4820.36	4555.80S	397.68E	1.22	4573.06	2038663.70	124860.95
9135.00	91.10	179.400	4818.60	4651.78S	397.34E	1.67	4668.69	2038663.36	124764.96
9229.00	90.20	178.200	4817.54	4745.75S	399.31E	1.60	4762.51	2038665.33	124670.99
9325.00	90.80	178.500	4816.70	4841.71S	402.07E	0.70	4858.37	2038668.10	124575.03
9420.00	91.10	177.500	4815.12	4936.63S	405.39E	1.10	4953.25	2038671.41	124480.09
9515.00	92.70	177.500	4811.97	5031.49S	409.53E	1.68	5048.13	2038675.55	124385.23
9591.00	93.60	177.100	4807.80	5107.29S	413.11E	1.30	5123.97	2038679.13	124309.43
9639.00	93.60	177.100	4804.78	5155.13S	415.53E	==>	5171.85	2038681.55	124261.58

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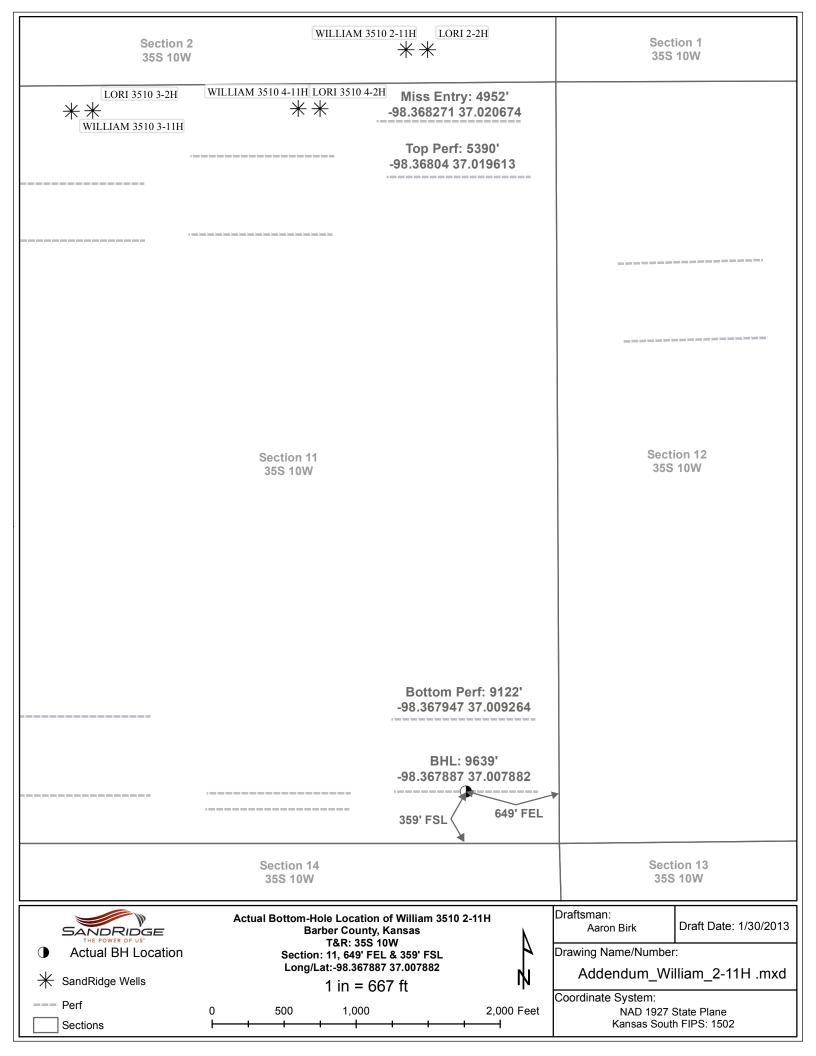
TVD[ft] 4804.78

Standard Wellpath Report Sandridge Sec 2 - 35S - 10W, Kansas Barber County Wellbore: William 3510 2-11H (Actual)

# Comments MD[ft] 9639.00

North[ft] 5155.13S East[ft] 415.53E Comment Projection to bit @ TD

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Tiffany Golay 02/01/013 09:44 am Additional Fluid Mgmt Info: 710 bbls hauled to Gray Mud Disposal, SW/4 15-24N-7W, Garfiled, OK 323003

**Tiffany Golay** 

01/28/013 11:48 Frac Disclosure uploaded to Frac Focus am

Tiffany Golay 01/28/013 11:47 TVD= 4804 am

Tiffany Golay 01/14/013 01:57 Conductor weight= 106.5 lbs/ft pm