

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1205132

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:			Sec	TwpS. R
Address 2:			Feet	from North / South Line of Sectio
City: St	ate: Zip	D:+	Feet	from East / West Line of Section
Contact Person:			Footages Calculated from Ne	earest Outside Section Corner:
Phone: ()			□ NE □ NW	☐ SE ☐ SW
CONTRACTOR: License #			GPS Location: Lat:	, Long:
Name:				g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27 NAD27	
Purchaser:			County:	
Designate Type of Completion:			Lease Name:	Well #:
New Well Re-	·Fntrv	Workover	Field Name:	
	_		Producing Formation:	
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground:	Kelly Bushing:
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:
CM (Coal Bed Methane)	G3W	iemp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Fee
Cathodic Other (Core	Expl etc.)		Multiple Stage Cementing Co	
If Workover/Re-entry: Old Well Inf				Fee
Operator:				nent circulated from:
Well Name:			, ,	w/sx cm
Original Comp. Date:			loot doparto.	
	_	NHR Conv. to SWD		
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the	
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbl
Dual Completion	Permit #:		Dewatering method used:	
SWD	Permit #:		Location of fluid disposal if ha	auled offsite:
☐ ENHR	Permit #:		On a water Name of	
GSW	Permit #:			
				License #:
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R
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 Approved by: Date:					

Page Two



Operator Name:			L	ease Name: _			Well #:		
Sec Twp	S. R	East We	est C	County:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott			
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log	
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample	
Samples Sent to Geo	logical Survey	Yes	No	Nam	е		Тор	Datum	
Cores Taken Electric Log Run		Yes Yes	No No						
List All E. Logs Run:									
		(CASING REC	ORD Ne	w Used				
		· ·		ıctor, surface, inte	ermediate, producti		T		
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used Type and Percent Additives					
Perforate Protect Casing	100 20111111								
Plug Back TD Plug Off Zone									
1 lag on zono									
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)	
Does the volume of the to		•				_	o question 3)	(" 100 ")	
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD - Bri Footage of Each Int			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
	, ,				,		,		
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:				
						Yes No			
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity	
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.	
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:	
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mohr 3406 1-21H
Doc ID	1205132

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5637-5639	Frac - See Frac Focus Report	
5	5685-5687		
5	5736-5738		
5	5837-5839		
5	5928-5930		
5	5985-5987		
5	6031-6033		
5	6098-6100		

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Conductor	26	20	75	108	grout	10	see report
Surface	12.25	9.625	36	695	Class A & Class C	340	see report
Intermedia te	8.75	7	26	5818	Class A 50/50 POZ		see report

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/3/2014
Job End Date:	4/3/2014
State:	Kansas
County:	Harper
API Number:	15-077-22013-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Mohr 3406 1-21H
Longitude:	-97.96623000
Latitude:	37.07996000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,660
Total Base Water Volume (gal):	271,236
Total Base Non Water Volume:	0







Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier					
			Water	7732-18-5	100.00000	99.81383	
FRW-15A, tote	Baker Hughes	Friction Reducer					
			Contains non-hazardous ingredients that are shown in the non-MSDS section of this report.	NA	100.00000	0.05796	SmartCare Product
NE-900, tote	Baker Hughes	Non-emulsifier					
			Methanol	67-56-1	30.00000	0.01376	SmartCare Product
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10.00000	0.00459	SmartCare Product
Scaletrol 7208, 330 gl tote	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	30.00000	0.00726	
Ingredients shown abo	ove are subject to 29 CF	R 1910.1200(i) and ap	pear on Material Safety Data She	ets (MSDS). Ingredie	nts shown below are	Non-MSDS.	
		Other Chemicals					
			****	7732-18-5		0.03669	
			Sodium Acrylate	25987-30-8		0.02318	
			1 - 7 -	Trade Secret		0.01834	
			J	64742-47-8		0.01739	
			Sorbitan Monooleate	1338-43-8		0.00290	
			Nonyl Phenol Ethoxylate	127087-87-0		0.00290	

	Diethylene Glycol	111-46-6	0.00121	
	Potassium Chloride	7447-40-7		
	Calcium Chloride	10043-52-4		
	Sodium Chloride	7647-14-5		
	Polyacrylate	Trade Secret		
	2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9		

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

^{*} Total Water Volume sources may include fresh water, produced water, and/or recycled water ** Information is based on the maximum potential for concentration and thus the total may be over 100%

JOB SUMMARY					SOK 3442			03/03/14			
Harper Kansas					CUSTOMER REP Vince Brown						
LEASE NAME Well No. Mohr 3406 1-21H	JOB TYPE Intermedia	ate				EMPLOYEENAME marcos quintana					
EMP NAME			, ,								
Marcos Quintana 0			\vdash					\dashv			
Wallace Berry David Thomas			\vdash					-			
nate cotta			\vdash								
Form. NameType:			-								
Packer Type Set A		Date	Calle	ed Out 3/1/2014		On Locatio 3/1/20		Job	Started 3/3/2014		mpleted 3/2014
Bottom Hole Temp. 155 Press		Date	1	0/1/2014		0/1/20			0/0/2014	J **	0,2014
Retainer DepthTotal	Depth 5984	Time		1830		2330			1000	12	200
Tools and Accessor						Well D					(A. A.
Type and Size Qty Auto Fill Tube 0	Make IR	Cacina		New/Us	ed	Weight 26#	Size Gr	ade	From Surface	То	Max. Allow 5,000
Insert Float Val 0	IR IR	Casing Liner				20#	'	\dashv	Surface		3,000
Centralizers 0	İR	Liner									
Top Plug 0	İR	Tubing					0				
HEAD 0	IR	Drill Pi									
Limit clamp 0	IR	Open I					8¾"		Surface	6,009	Shots/Ft.
Weld-A 0	IR.	Perfora									
Texas Pattern Guide Shoe 0 Cement Basket 0	IR IR	Perfora Perfora						-			
Materials				ocation		Operating	Hours		Descrin	tion of Job	L
Mud Type WBM Density	9 Lb/Gal	Date	е	Hours		Date	Hour	s	Interme		
Disp. Fluid Fresh Water Density	8.33 Lb/Gal	3/1		31.0		3/3	2.0		internie		
Spacer type resh Wate BBL. 20	8.33		_					_	8		
Spacer type GEL BBL. 10 Acid Type Gal.			\dashv				-				
Acid TypeGal	- %	-	\dashv				_	\neg	(* 		
Surfactant Gal.	In		\neg						-		
NE Agent Gal	In										
Fluid Loss Gal/Lb	_in		-					_			
Gelling Agent Gal/Lb Fric. Red. Gal/Lb	_ln	-	\rightarrow					\dashv	-		
Fric. Red Gal/Lb MISC. Gal/Lb	_ln	Total	\dashv	31.0		Total	2.0	\dashv			
	_	lotai		V 1.0		Total					
Perfpac BallsQty.		MAN		C 000 DC1			essures	10			
Other		MAX		5,000 PSI		AVG.	30 Rates in		M		
Other		Average Rates in BPM MAX 8 BPM AVG 5									
Other		Cement Left in Pipe									
Other		Feet		45		Reason					
		_	omor	nt Data							
Stage Sacks Cement		Additive		n Data					W/Rq	. Yield	Lbs/Gal
1 330 50/50 POZ PREMIUM	4% Gel - 0.2% FL-	17 - 0.1%	C-51				0.4% C-4	1P	6.93		13.60
2 100 Premium	0.2% FL-17 - 0.1%	C-51 - 0.	1% C	-20 - 0.4% (C-41	P			5.19		15.60
3 0 0									0.00	0.00	0.00
	1	Cur	mma	n/							
Preflush 10 Type:	BENTO	NITE GE	mmai L	rv Preflush:		BBI	30.	00	Type:	GelS	pacer
		.000 PSI		Load & Bkc	in:		N/		Pad:Bb		N/A
Lost I	Returns-N N	IO/FULL		Excess /Re	turr		N		Calc.Dis		222
	I TOC	1,000		Calc. TOC:		DOI:	3,3		Actual [221.00
Average Bump	Plug PSI: n15 Mi			Final Circ. Cement Slu	ırrv.	PSI: BBI	10:		Disp:Bb	<i></i>	
TO WILL				Total Volum		BBI	356				
CUSTOMER REPRESENTAT	IVE \ /	B									
COSTOWER REPRESENTAT	IVE VIVE				_	SIGNATURE					
								ř			

JOB ST		SOK 3519 03/18/14						
	CUSTOMER REP	CUSTOMER REP Vince Brown						
Well Me Loo TYPE	xploration & Produc		EMPLOYEE NAME					
	Pumping	J	Jared Sisco					
EMP NAME								
Jared Sisco 0								
0.00 Randall Irvin								
Michael Bajo								
Form. NameType:								
	Called Out		Job Sta		ompleted			
Packer Type Set At0	Date 3/18/2014	3/18/201	4	3/	18/2014			
Bottom Hole Temp. 150 Pressure Retainer Depth Total Depth	0 Time 4:00 AM	8:30 AM	n	1 1	:30 PM			
Tools and Accessories	Time 1 4.00 Air	Well Dat	a					
Type and Size Qty Make	New/L			From To	Max. Allow			
Auto Fill Tube 0 IR	Casing	11.6#	4½" St	urface 0	1,500			
Insert Float Val 0 IR Centralizers 0 IR	Liner				 			
Top Plug 0 IR	Tubing		4"					
HEAD 0 IR	Drill Pipe							
Limit clamp 0 IR	Open Hole		6 1/8" St	urface 0	Shots/Ft.			
Weld-A 0 IR Texas Pattern Guide Shoe 0 IR	Perforations Perforations				 			
Texas Pattern Guide Shoe 0 IR Cement Basket 0 IR	Perforations							
Materials	Hours On Location	Operating Ho		Description of Job)			
	o/Gal Date Hours	Date 3/18	Hours 0.0	Misc Pumping				
Spacer type resh Wate BBL. 10 8.3		1 0,10	- 0.0					
Spacer typeBBL								
Acid Type Gal. %								
Acid Type Gal. % Surfactant Gal. In		-						
NE Agent Gal. In In								
Fluid Loss Gal/Lb In								
Gelling Agent Gal/Lb In Fric. Red Gal/Lb In		-						
Fric. Red Gal/Lb In MISC. Gal/Lb In	Total 15.0	Total	0.0					
Perfpac BallsQty.	MAX 1,500 PS		sures					
Other Other		Average Ra	ates in BPM					
Other	MAX 6 BPM	AVG						
Other			eft in Pipe HOE JOINT					
Other	Feet	Reason 5	HOE JUIN!					
	Cement Data							
Stage Sacks Cement	Additives			W/Rq. Yield	Lbs/Gal			
1 0 0			0		0.00			
3 0 0			0		0.00			
3 0 0			- 0	0.00 0.00	0.00			
	Summary							
Preflush Type:	Preflush: 1,500 PSI Load & B		0.00 N/A	Type:	0 N/A			
Breakdown MAXIMUM Lost Returns-N		kdn: Gal-BBI Return BBI		Pad:Bbl -Gal Calc.Disp Bbl	IVIA			
Actual TOC	SURFACE Calc. TO	C:	SURFACE	Actual Disp.				
Average Bump Plug PSI:	Final Circ	i. PSI: Slurry: BBI		Disp:Bbl				
ISIP5 Min10 Min	Cement 3		0.00	J				
	Total Voic		T					
CUSTOMER REPRESENTATIVE								
		SIGNATURE						

Directional	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
Survey	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
Calculations	(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5589	-332	5683	-400
BHL	9200	90.70	0.50	4668.87	4230.24	-1152.56	4377.64	0.00	1342	3919	4578	705
Miss Entry	5594	86.65	356.80	4655.27	625.63	-1114.09	844.42	8.79	4947	314	4576	707
Top Perf	5637	88.73	357.72	4656.82	668.54	-1116.09	886.81	6.81	4904	357	4575	708
Bottom Perf	6211	88.64	0.63	4662.47	1242.26	-1128.85	1450.55	0.82	4330	931	4568	715
Survey Points	NW Corner XY Coord SW Corner XY Coord NE Corner XY Coord SE Corner XY Coord		X 2150681 2150740 2155963 2156022	Y 151023 145745 151099 145842 True Vert	Northings (+)	Surface XY Eastings (+)	X 2156426 Vert	Y 145517 DLS	East South	Line slope	m 0.0143885 -0.0112231 0.0183643 -0.0111785	
	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
	(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
	0	0.0	0	0	0	0	0	0	5589	-332	5683	-400
	723	0.30	60.70	723.00	0.9	1.7	0.56	0.04	5588	-332	5685	-402
	954	0.60	22.00	953.99	2.3	2.6	1.74	0.18	5586	-330	5686	-403
	1416	0.70	48.90	1415.96	6.4	5.7	5.12	0.07	5582	-326	5689	-406
	1889	0.60	46.90	1888.93	10.0	9.6	7.80	0.02	5579	-323	5693	-410
	2362	0.50	43.60	2361.91	13.2	12.9	10.24	0.02	5576	-319	5696	-413

Top of Tangent @ 5682'

Btm of Tangent @ 5818'

	1009	0.00	40.90	1000.93	10.0	9.0	7.00	0.02	55/9	-323	2093	-410
	2362	0.50	43.60	2361.91	13.2	12.9	10.24	0.02	5576	-319	5696	-413
	2836	0.30	49.70	2835.90	15.5	15.3	11.99	0.04	5573	-317	5699	-416
	3311	0.40	15.80	3310.89	17.9	16.7	14.05	0.05	5571	-315	5700	-417
	3595	0.50	23.20	3594.88	20.0	10.7	15.94	0.03	5569			-417
						17.4				-313	5701	-418
	3659	1.30	189.10	3658.88	19.6	17.4	15.49	2.80	5569	-313	5701	-418
	3691	3.50	211.50	3690.85	18.4	16.8	14.44	7.35	5571	-314	5700	-417
	3723	5.50	229.30	3722.75	16.5	15.2	13.00	7.55	5572	-316	5699	-416
	3755	7.90	235.10	3754.53	14.3	12.2	11.41	7.78	5575	-318	5696	-413
	3787	10.50	238.10	3786.11	11.5	7.9	9.56	8.26	5577	-321	5691	-408
	3818	13.00	241.00	3816.46	8.3	2.5	7.59	8.28	5580	-324	5686	-403
	3849	15.30	245.30	3846.52	4.9	-4.3	5.68	8.15	5584	-327	5679	-396
					4.9					-327		
	3881	17.10	252.30	3877.25	1.7	-12.6	4.29	8.29	5587	-330	5671	-388
	3913	18.40	261.60	3907.73	-0.5	-22.1	4.15	9.73	5589	-332	5661	-378
	3944	18.70	272.20	3937.13	-1.0	-31.9	5.68	10.91	5589	-333	5652	-368
	3975	20.80	277.70	3966.31	-0.1	-42.3	8.76	9.04	5588	-332	5641	-358
	4007	24.00	277.80	3995.89	1.6	-54.4	12.90	10.00	5586	-330	5629	-346
	4038	27.20	278.40	4023.84	3.5	-67.7	17.51	10.36	5584	-328	5616	-333
	4070	30.30	278.10	4051.89	5.7	-82.9	22.85	9.70	5582	-325	5601	-318
	4101	33.70	275.60	4078.18	7.6	-99.2	28.15	11.77	5580		5584	-301
										-323		
	4133	36.90	272.60	4104.30	8.9	-117.6	33.28	11.37	5578	-321	5566	-283
	4164	39.80	272.50	4128.60	9.8	-136.9	38.12	9.36	5577	-320	5547	-264
	4196	42.10	274.60	4152.77	11.1	-157.8	43.77	8.38	5575	-318	5526	-243
	4227	45.00	275.00	4175.24	12.9	-179.1	49.96	9.40	5573	-316	5505	-221
	4259	47.70	273.90	4197.33	14.7	-202.1	56.53	8.80	5571	-314	5481	-198
	4291	50.40	272.10	4218.30	15.9	-226.3	62.80	9.45	5569	-312	5457	-174
	4322	52.90	270.90	4237.53	16.5	-250.6	68.49	8.62	5569	-311	5433	-150
	4354	55.50	270.80	4256.25	16.9	-276.5	74.29	8.13	5568	-310	5407	-124
	4385	56.50	270.50	4273.58	17.2	-302.2	79.94	3.32	5567	-310	5381	-98
nt	4417	56.70	270.00	4291.20	17.3	-328.9	85.63	1.45	5567	-309	5355	-72
	4448	56.60	270.40	4308.24	17.4							
						-354.8	91.12	1.13	5566	-308	5329	-46
	4480	58.30	270.40	4325.46	17.6	-381.8	96.94	5.31	5566	-308	5302	-19
	4512	61.10	270.60	4341.60	17.9	-409.4	102.94	8.77	5565	-307	5274	9
	4543	64.10	270.90	4355.86	18.2	-436.9	109.04	9.72	5564	-306	5247	36
nt	4575	65.40	272.80	4369.52	19.2	-465.9	115.99	6.73	5563	-305	5218	65
	4606	65.00	275.40	4382.52	21.2	-493.9	123.82	7.72	5560	-302	5190	93
	4638	64.60	278.00	4396.15	24.5	-522.7	133.12	7.46	5557	-298	5161	122
	4670	64.90	281.30	4409.80	29.4	-551.2	143.82	9.37	5551	-293	5133	151
	4701	65.40	283.90	4422.83	35.5	-578.7	155.55	7.78	5545	-286	5105	178
	4733	66.50	287.00	4435.87	43.3	-606.8	169.05	9.49	5537	-278	5077	206
	4764	67.60	289.90	4447.96	52.4	-633.9	183.54	9.32	5527	-268	5050	233
	4796	67.60	292.80	4460.16		-661.5						
	4790				63.1		199.82	8.38	5516	-257	5023	260
	4827	67.60	293.50	4471.97	74.4	-687.8	216.34	2.09	5504	-245	4996	287
	4859	67.40	293.10	4484.22	86.1	-715.0	233.45	1.31	5492	-233	4969	314
	4891	69.00	293.40	4496.10	97.8	-742.3	250.62	5.08	5480	-221	4942	341
	4922	69.70	295.70	4507.04	109.9	-768.6	267.91	7.30	5468	-208	4916	367
	4954	69.90	298.40	4518.09	123.5	-795.4	286.85	7.94	5454	-194	4889	394
	4985	70.50	301.20	4528.59	138.0	-820.7	306.31	8.72	5439	-179	4864	419
	5017	71.30	303.60	4539.06	154.2	-846.2	327.48	7.52	5422	-163	4839	444
	5049	71.70	306.30	4549.22	171.6	-871.1	349.67	8.10	5405	-145	4814	469
	5080	72.90	308.70	4558.64	189.6	-894.5	372.15	8.33	5386	-126	4791	492
	5112	73.70	311.30	4567.84	209.3	-918.0	396.31	8.17	5366	-106	4768	515
	5143	74.70	314.40	4576.28	229.6	-939.9	420.72	10.15	5346	-86	4746	537
	5175	75.50	317.40	4584.51	251.8	-961.4	446.92	9.40	5323	-63	4725	558
	5206	76.10	320.20	4592.12	274.4	-981.2	473.17	8.97	5300	-40	4705	578
	5238	77.20	323.30	4599.51	298.8	-1000.4	501.10	10.03	5275	-15	4686	597
	5269	78.60	326.50	4606.01	323.6	-1017.9	528.99	11.06	5250	10	4669	614
	5301	79.70	329.70	4612.03	350.3	-1034.5	558.55	10.41	5223	37	4653	630
	5333	79.80	332.60	4617.73	377.9	-1049.7	588.69	8.92	5196	65	4638	645
	5364	79.70	335.40	4623.25	405.3	-1063.0	618.29	8.89	5168	92	4625	658
	5396	79.70	338.60	4628.97	434.3	-1075.3	649.20	9.84	5139	122	4613	670
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Depth Incl. Azim. Depth Southings (7) Weslings (7) Section Geg/100 FNL FSL FWL FEL Section Geg/100 FNL FSL FWL FEL Section Geg/100 FNL FSL FWL FSL F	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
(ft) (deg) (ft)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000 2 0 2000								
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7506 90.80 359.50 4663.75 2536.9 -1134.0 2717.73 0.33 3035 2225 4578 705 7600 90.40 0.50 4662.76 2630.9 -1134.0 2809.66 1.15 2941 2319 4579 704 7695 90.40 0.60 4662.10 2725.9 -133.1 2902.37 0.11 2846 2414 4581 702 7787 89.60 0.20 4662.10 2817.9 -1132.5 2992.20 0.97 2755 2506 4582 701 7883 89.30 359.60 4663.02 2914 -1133 3086.12 0.70 2659 2602 4583 700 7977 89.50 359.10 4664.01 3008 -1134 3178.26 0.57 2564 2696 4583 700 8072 88.30 358.10 4665.25 3198 -1139 3365.03 4.34 2375 2886 4580 703	7316	91.30	359.60	4666.65	2346.9	-1133.0	2531.72	0.85	3225	2035	4577	706
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	9200	90.70	0.50	4008.8/	4230	-1153	43/7.64	0.00	1342	3919	45/8	705

JOB SUM	PROJECT NUMBER SOK 3422	TICKET DATE	02/17/14							
COUNTY State COMPANY Harper Kansas dridge Exploi	CUSTOMER REP Vince Brown									
LEASENAME Wel No. JOB TYPE Mohr 3406 1-21H Surface	EMPLOYEE NAME LOUIS ARNEY									
EMP NAME	:e	LOUIS	ARNEY							
Louis Arney 0		T								
Vontray Watkins										
Randell Irvine										
0.00										
Form. NameType:										
	Called Out		Job Started		mpleted					
Packer Type Set At 0 Bottom Hole Temp. 80 Pressure	Date 2/17/2014	2/17/2014	2/17/2014	2/1	7/2014					
Retainer Depth Total Depth 700'	Time 0000	0500	0700	0700 090						
Tools and Accessories	Trine Soci	Well Data								
Type and Size Qty Make	New/Used	Weight Size Gra			Max. Allow					
Auto Fill Tube 0 IR Insert Float Val 0 IR	Casing	36# 9%"	Surface	700'	1,500					
Insert Float Val	Liner									
Top Plug 0 IR	Liner Tubing	1 0								
HEAD 0 IR	Drill Pipe	 								
Limit clamp 0 IR	Open Hole	121/4"	Surface	700'	Shots/Ft.					
Weld-A 0 IR	Perforations				0110101111					
Texas Pattern Guide Shoe 0 IR Cement Basket 0 IR	Perforations									
Cement Basket 0 IR Materials	Perforations	Operating House	Description							
Mud Type WBM Density 9 Lb/Gall	Hours On Location Date Hours	Operating Hours Date Hours	Descriptio Surface	dot job						
Disp. Fluid Fresh Water Density 8.33 Lb/Gal	2/17 4.0		- 1							
Spacer type resh Wate BBL, 10 8.33										
Spacer typeBBL Acid Type Gal. %										
Acid Type — Gal. — % — Gal.										
Spacer type BBL. Acid Type Gal. % Acid Type Gal. % Surfactant Gal. In NE Agent Gal. In			-							
NE AgentGalIn										
Fluid Loss Gal/Lb In										
Gelling Agent Gal/Lb In Fric. Red. Gal/Lb In										
MISC. Gal/Lb In										
		1014								
Perfpac BallsQty.		Pressures	1							
Other	MAX 1,500 PSI	AVG. 200								
Other	MAX 6 BPM	Average Rates in I								
Other	WW.XX G DI W	Cement Left in P								
Other	Feet 44	Reason SHOE J								
Stare Ocate Ocate	Cement Data									
Stage Sacks Cement 1 190 FEX Lite Premium Plus 65 (6% Gel) 2% Cald	Additives	nles = 50/ C 44 D	W/Rq.	Yield	Lbs/Gal					
2 160 Premium Plus (Class C) 2% Calcium Chlo	ride - Vons Cello-Flake	ake5% C-41P	11,11	2.01	12.40					
3 *100 Premium Plus (Class C) *2% Calcium Chi	oride on side to use if neces	arv	6.32 *6.32	1.32	14.80 *14.8					
	onde on olde to doe if necess	ary	0.52	1.32	14.0					
D. G. I	Summary	82.3.5								
Preflush Type: Breakdown MAXIMUM	Preflush:	BBI 10.0		Fresh V						
	1,500 PSI Load & Bkdn: NO/FULL Excess /Return				N/A					
Actual TOC										
Average Bump Plug PSI:	Final Circ.	PSI: 250	Disp:Bbl							
ISIP5 Min10 Min15 M										
T	Total Volume	BBI 164.0	JU							
CUSTOMER REPRESENTATIVE										
OGGIOWER REFRESENTATIVE	9.	SIGNATURE								

