

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1105558

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 North / South Line of Sectio					
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section			
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:			
Phone: ()			□ NE □ NW	V □SE □SW				
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:	W	/ell #:			
	e-Entry	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:			
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet			
Operator:			If Alternate II completion, c	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:								
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan				
☐ Plug Back	Conv. to G		(Data must be collected from the					
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls			
Dual Completion			Dewatering method used: _					
SWD			Location of fluid disposal if	hauled offsite				
☐ ENHR			· ·					
GSW	Permit #:		Operator Name:					
_ _			Lease Name:	License #:_				
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	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



Operator Name:				_ Lease l	Name: _			Well #:		
Sec Twp	S. R	East V	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whether s with final chart(shut-in pre s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, flui	d recovery,
Final Radioactivity Lo- files must be submitte						gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital el	ectronic log
Drill Stem Tests Taker (Attach Additional S		Yes	No				on (Top), Depth ar			mple
Samples Sent to Geo	logical Survey	Yes	☐ No		Nam	e		Тор	Da	tum
Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No										
List All E. Logs Run:										
			CASING		☐ Ne					
	0: 11-1-	· ·				ermediate, product		# O	T	d Damasat
Purpose of String	Size Hole Drilled	Size Cas Set (In O		Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used		d Percent itives
		AD	DITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Ce	ement	# Sacks	# Sacks Used Type and Percent Additives					
Perforate Protect Casing										
Plug Back TD Plug Off Zone										
Did you perform a hydrau	•					Yes	No (If No, ski	p questions 2 ar	nd 3)	
Does the volume of the to							= :	p question 3)	of the ACO	()
Was the hydraulic fractur	ing treatment information	on submitted to the	e chemicai d	isciosure re	gistry?	Yes	No (If No, fill	out Page Three	or the ACO-1	<i>)</i>
Shots Per Foot		ION RECORD - I Footage of Each I					cture, Shot, Cement mount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:		Packer A	i:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. Prod	ducing Meth	ıod:		1				
			Flowing	Pumpin	g	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bls. (Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVA	
Vented Sold		Open		Perf.	Dually	Comp. Cor	mmingled			
	bmit ACO-18.)		(Specify)		(Submit)	ACO-5) (Sub	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sadie 3119 1-36H
Doc ID	1105558

All Electric Logs Run

Boresight	
Induction	
Density	
Mud Log	

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Operator	SandRidge Exploration and Production LLC
Well Name	Sadie 3119 1-36H
Doc ID	1105558

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9110-9475	4221 bbls water, 36 bbls acid, 75M lbs sd, 4468 TLTR	
5	8719-9030	4215 bbls water, 36 bbls acid, 75M lbs sd, 9136 TLTR	
5	8300-8637	4208 bbls water, 36 bbls acid, 75M lbs sd, 13560 TLTR	
5	7853-8100	4202 bbls water, 36 bbls acid, 75M lbs sd, 18056 TLTR	
5	7498-7799	4196 bbls water, 36 bbls acid, 75M lbs sd, 22327 TLTR	
5	6992-7220	4188 bbls water, 36 bbls acid, 75M lbs sd, 26619 TLTR	
5	6644-6920	4183 bbls water, 36 bbls acid, 75M lbs sd, 30885 TLTR	
5	6208-6550	4176 bbls water, 36 bbls acid, 75M lbs sd, 35034 TLTR	
5	5880-6130	4171 bbls water, 36 bbls acid, 75M lbs sd, 39285 TLTR	
5	5368-5705	4163 bbls water, 36 bbls acid, 75M lbs sd, 43594 TLTR	

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement			
Conductor	32	20	75	128	Pro 14.5 Oilfield Services 10 sack grout		none	
Surface	12.25	9.63	36	964	O-Tex Lite Premium Plus 65, Premium Plus (Class C)	640	(6% gel) 2% Calcium Chloride, 1/4 pps Cello- Flake, .5% C-41P	
Intermedci ate	8.75	7	26	5624	50/50 Poz Premium/ Premium	220	4% Gel, .4% C12, .1% C37, .5%C41P, 2 lb/sk Phenoseal	
Liner	6.12	4.5	11.6	9578	50/50 Premium Poz	470	(4% gel) .4% C12, .1% C37, .5% C41P, 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/

Sam Brownback, Governor

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

December 21, 2012

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

Re: ACO1 API 15-033-21682-01-00 Sadie 3119 1-36H NW/4 Sec.36-31S-19W Comanche 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



P.O. BOX 3660 HOUMA, LA 70361-3660

Customer: SAN400

BILL TO:

SANDRIDGE ENERGY 123 ROBERT S KERR AVENUE OKLAHOMA CITY, OK 73102-6406 PHONE: (405) 753-5500 FAX: ()

Division : Delivery Ticket : Delivery Date : Office :

0701 3155 11/26/2012 12/1/1901

Ordered By:
Lease/Well: SADIE 3119 1-36H
Rig Name/Number: LARIAT 38
AFE Number:
Site Contact;

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	SADIE 3119 1-36H	\$24,570.00	\$0.00	\$24,570.00	11/23/2012 11/23/2012	\$24,570.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
75	16" CONDUCTOR PIPE (.375 WALL)	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	-
14.5	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	11/23/2012 11/23/2012	
	Sub Total:	\$24,570.00	\$0.00			\$24,570.00

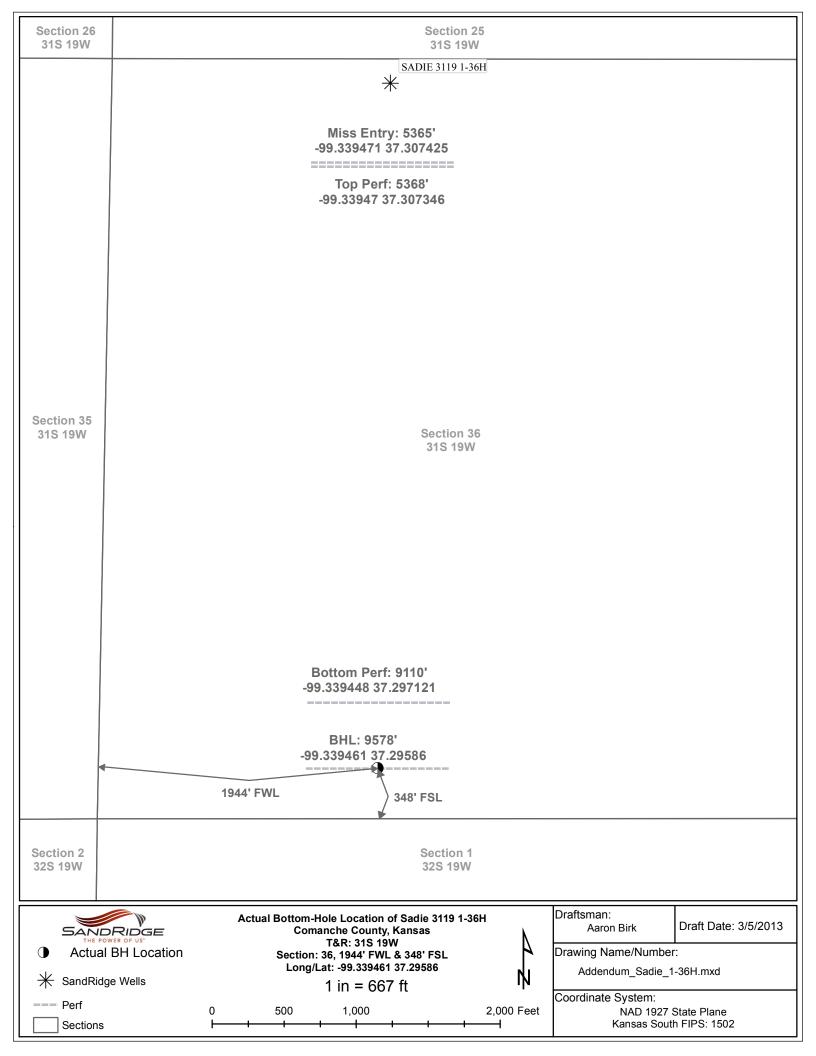
JOBSUMMARY SIAIC COMPANY CUSTOMER TICKET DATE 12/05/12 COUNTY STAIC COMPANY CUSTOMER REP									
COUNTY State					CUSTOMER REP				
Comanche Kansas		dridge Exploration & Produc			Felix Ortiz Jr				
Sadie 3119 1-36		Surface			Billy Taff				
EMP NAME									
	jayson seyfried								
John Hall									
Wallace Berry			\dashv						
kevin johnson									
Form. NameTyp	e:	1	Called	Out	On Locatio	n IJoh	Started	Job Co	mpleted
Packer TypeSet		Date		2/5/2012	12/5/2	012	12/5/2012	12	/5/2012
	ssure	Time	q	:30pm	12:30	am	3:30am	6.	00pm
Tools and Access		Time I		.oopiii	Well D		O.OOdiii		00 3111
Type and Size Qty	Make			New/Used	Weight	Size Grade	From	To	Max. Allow
Auto Fill Tube 0	IR	Casing			36#	9 5/8"	Surface		1,500
Insert Float Val 0	IR	Liner							
Centralizers 0	IR	Liner							
Top Plug 0	IR	Tubing				0			
HEAD 0	IR.	Drill Pipe				12 1/4"	Surface	4.000	01-1-151
LITTIE CIBITIS	IR IR	Open Ho Perforati				12 174	Surface	1,000	Shots/Ft.
Weld-A 0 Texas Pattern Guide Shoe 0	IR IR	Perforati							
Cement Basket 0	İR	Perforati							
Materials		Hours O		ation	Operating	Hours	Descrip	tion of Job	
Mud Type WBM Density	9 Lb/Gal	Date		Hours	Date	Hours	Surface		
Disp. Fluid Fresh Water Density	8.33 Lb/Gal	12/5		9.0	12/5	2.0	Guriace		
Spacer type resh Wate BBL. 1	8.33		_				-		
Spacer type BBL.	%		+				-		
Acid Type Gal Acid Type Gal	- %		+						
Surfactant Gal.			+				***************************************		
NE Agent Gal.									
Fluid Loss Gal/Lb	in i		工						
Gelling Agent Gal/Lb	In								
Fric. Red. Gal/Lb	in	L	-	0.0	Table	0.0			
MISCGal/Lb	In	Total	_	9.0	Total	2.0			
Perfpac BallsQty					Pre	essures			
Other		MAX	1,	500 PSI	AVG.	150			9
Other						Rates in BP	M		
Other		MAX		6 BPM	AVG				
Other		_				Left in Pipe			
Other		Feet		46	Reason	SHOE JOI	NI		
		0	mont	Data					
Stage Sacks Cement		Additives		Data			W/Rd	. Yield	Lbs/Gal
1 380 FEX Lite Premium Plus	66 (6% Gel) 2% Calc	ium Chloric	le - 1/	4pps Cello-	lake - 5% C	-41P	10.88		12.70
2 160 Premium Plus (Class	C) 2% Calcium Chlo	ride - 1/4pp	s Cel	lo-Flake			6.32		14.80
3 *100 Premium Plus (Class	C) *2% Calcium Chl	oride on sid	le to t	se if necess	sary		*6.32		*14.8
Dueffush		Sum		offush:	DDI	10.00	Tr	Erack	Mater
Preflush Typ Breakdown MA	KIMUM	1,500 PSI		eflush: ad & Bkdn:	BBI Gal - BBI	N/A	Type: Pad:Bb		Water N/A
		NO/FULL		cess /Retur		0	Calc.Di		71
Acti	ial TOC	URFACE	Ca	alc. TOC:		SURFAC	E Actual I	Disp.	71.00
Average Bun	np Plug PSI:	300	Fir	nal Circ.	PSI:	300	Disp:Bb		
ISIP5 Min10 I	/lin 15 M	ın		ement Slurry		161.0 242.00			
			10	tal Volume	BBI	242.00			
	1	10	1						
CURTOMED DEDDESENTA	TIVE 7.1	2/17							
CUSTOMER REPRESENTA	TIVE / Myc	(See !	_		SIGNATURE				
			-		11-116				

COUNTY	JOB SUMMARY COUNTY SINTE COMPANY							SOK 2212 12/12/1			
Comanche	Y SIRE COMPANY							arbe	er		
LEASE NAME Sadie 3119	diate		EMPLOYEE NAME Billy Taff								
EMP NAME	1-361	i interne	uiaic	_			Dilly	ian			_
Billy Taff	1. 1	0		T				T			
John Hall .											
Wallace Berry				+							
kevin johnson											
Form. Name	I Abe	e:		Calle	ed Out	On Location	n I	Job 5	Started	Job Co	omi
Packer Type	Set		Date		12/11/2012	12/12/2			2/12/2012	12	/12
Bottom Hole Temp.	155 Pres		. Times		9:00nm	12:00	l		O.AFam		4.0
Retainer Depth	s and Accesso		Time		8:00pm	Well D			8:45am	1 1	1:0
Type and Size	Qty	Make			New/Used			ade	From	To	M
Auto Fill Tube	0	IR	Casing			26#	7"		Surface		1
Insert Float Val	0	IR	Liner								I
Centralizers Top Plug	0	IR IR	Liner				0	-			+
HEAD	0	IR IR	Tubing Drill Pipe			-	U	\dashv			+
Limit clamp	0	IR IR	Open Ho				8 3/4	"	Surface	5,630	5
Weld-A	0	IR	Perforati	ions							Ė
Texas Pattern Guide S	hoe 0	IR	Perforati					_			\perp
Cement Basket		IR	Perforati Hours O			Operating	Hours		Descript	tion of Job	
Mud Type WB	M Density_	9 Lb/Gal	Date		Hours	Date	Hours	s	Intermed		
Disp. Fluid Fresh V	Nater Density	8.33 Lb/Gal	12/11	4	10.0	12/12	2.0		- Intermet		
Spacer type Fresh War Spacer type Caustin	c BBL. 10		l	+				\dashv			
Acid Type	Gal.	%		\dashv				-			
Acid Type	Gal.	%									
Surfactant	Gal			+				_			
NE Agent Fluid Loss	Gal. 	In		\dashv			-	\dashv	-		
Gelling Agent	Gal/Lb	ln l		\top				\neg			
Fric. Red.	Gal/Lb	in I		\dashv	40.0						
MISC.	Gal/Lb	In	Total	L	10.0	Total	2.0				
Perfpac Balls	Qtv.					Pre	essures				
Other			MAX		5,000 PSI	AVG.	40				
Other			MAX		8 BPM	Average			1		
Other Other			IVIAA	-	OBFIN		t Left in F				
Other			Feet		82	Reason			T		
0. 10					t Data						
Stage Sacks 1 120 50/50	Cement POZ PREMIUM	1 4% Gel - 0.4% C	Additives		0 EW C 44D	2 lb/ol: Db	200001		W/Rq.		
	Premium	0.4% G-12 - 0.1%		- 10	0.5% C-41P -	Z IDISK PREI	ioseai		6.77 5.20	1.44	+
3 0	0	J. 17.5 3-12 - 0.11					(*)		0 0.00	0.00	+
											1
Preflush	10 Type		Sumi	mar	V Overfloor	DDI	40	77	7-	14/5101	
Breakdown		IMUM	5,000 PSI		Preflush: .oad & Bkdn:		N//	00 A	Type: Pad:Bbl	WEIGH	HE
	Lost	Returns-N	NO/FULL	E	excess /Return		N/A	A	Calc.Dis	sp Bbl	-
Average	Actu	al TOC		-c	Calc TOC:		4,20	68	Actual D	isp.	2
Average ISIP5 Min	Bum 10 M	p Plug PSI:	Vin.	-5	inal Circ. Cement Slurry	PSI:	80 51.		Disp:Bb	ı	
- """	.510	,01			otal Volume	BBI	292.				
			-		1-						à
			11/	-				- Bo			
			A A	ALC: NO.	/						_
CUSTOMER RE	PRESENTA	TIVE			Suc	SIGNATURE					_

			_		PROJECTNOME	ER	TICKET DATE					
J		2232	12/17/12									
Comanche Kansas	COMPANY	dridge Exploration & Produc					CUSTOMER REP Roger Barber					
LEASE NAME Well No	JOB TYPE	-		EMPLOYEE NAME								
Sadie 3119 1-36H	Liner					Robert B	Burris					
Robert Burris 10	AA											
Wesley	00		_									
Rocky Anthis			\dashv									
Frank Reeves			\dashv				+					
			Calle	ed Out	On Location	n IJo	b Started	JJob Co	ompleted			
Packer TypeSet A	t 5,624	Date	1	2/17/2012	12/17/2		12/17/2012	12/	17/2012			
Bottom Hole Temp. 150 Press Retainer Depth Total	Depth 9578	Time		44.20	40.00		00.07					
Tools and Accessori	es	Time		14:30	18:00 Well I		23:37	0	2:15			
Type and Size Qty	Make			New/Used		Size Grad	e From	То	Max. Allow			
	Weatherford	Casing			11.6	4 1/2	5190	9,578	TVIAN. Y III ON			
Insert Float Val 0 Centralizers 0		Liner To	ool									
Centralizers 0 Top Plug 0		HWDP Drill Pip		_		3 1/2"	3,993	5,190				
HEAD 0		Drill Co				3 1/2	Surface	3,993				
Limit clamp 0		Open H			1	6 1/8"	Surface	9,578	Shots/Ft.			
Weld-A 0		Perforat	ions					-,	Onotari t.			
Texas Pattern Guide Shoe 0 Cement Basket 0		Perforat										
Materials		Perforat Hours C		ontion	Operating	Llaura	Describ	No.				
Mud Type WBM Density	9.1 Lb/Gal	Date		Hours	Date	Hours	7	otion of Job				
Disp. Fluid Fresh Water Density	8.33 Lb/Gal	12/17		8.5	12/17	2.0	Liner					
Spacer type Gel BBL. 30	8.59		-									
Spacer typeBBL Acid TypeBal.	%		+				-					
Acid Type Gal.	_%	-	\dashv				1					
Surfactant Gal	ln l											
NE Agent Gal.	ln		_									
Fluid Loss Gal/Lb Gelling Agent Gal/Lb	In		+									
Gelling Agent Gal/Lb Fric. Red. Gal/Lb	in		+				-					
MISC. Gal/Lb	In	Total	\neg	8.5	Total	2.0	1					
							-					
Perfpac BallsQty.		MAN	,	FOOO DCI		essures						
Other		MAX		5000 PSI	AVG.	850 Rates in BF	38.4					
Other		MAX		6 BPM	AVEIAGE	3.5	-IVI					
Other						Left in Pip	е					
Other		Feet		87	Reason	SHOE JO	INT					
		•		5.								
Stage Sacks Cement	T	<u>Ce</u> Additives		Data			LAUD	1 \0.11	11. 15.			
1 470 50/50 Premium Poz	(4%Gel)4% C12 -	1% C37	- 0.5	% C-41P - 21	b/Sk Phenos	seal	W/Rq 6.77	. Yield 1.44	Lbs/Gal 13.60			
2 0 0					S.C.I. Hello	, cui	0 0.00		0.00			
3 0 0							0 0.00		0.00			
	L	0										
Preflush Type:		Sum		reflush;	вы	30.00	Type:	O EONE	PACER			
Breakdown MAXIN	NUM 50	00 PSI		oad & Bkdn:	Gal - BBI	N/A	Pad;Bbl		N/A			
Lost R		D/FULL	E	xcess /Returi		N/A	Calc.Dis	sp Bbl	115			
Actual Average Bump	Plug PSI: 4	1,533 1,500		alc. TOC:	DOI:	4,533	Actual D	Olsp.	116.50			
Average Bump Plug PSI: 1,500 Final Circ. PSI: 1,000 Disp:Bbl												
				otal Volume	BBI	267.04						
CUSTOMER REPRESENTATI	VE											
					SIGNATURE							

Directional Survey	Measured Depth	Sub-Sea Incl.	Vertical Azim.	True Vert Depth	Northings (+) Southings (-)	Eastings (+) Westings (-)	Vert Section	DLS 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	200	5091	1980	3278
BHL Miss Estat	9578	87.50 64.16	180.10 180.58	5226.90 5129.33	-4763.92 -562.89	-85.92 -50.71	4764.63 563.91	0.00 8.56	4965 764	328 4529	2005 1943	3275 3318
Miss Entry Top Perf	5365 5368	64.16	180.65	5129.33	-565.60	-50.74	566.62	8.37	766	4526	1943	3318
Bottom Perf	9475	87.23	180.78	5222.24	-4661.03	-85.28	4661.75	0.69	4862	431	2004	3276
			X	Y							m	
Survey Points	NW Corne	r XY Coord	1754025	235161			X	Υ	North I	_ine slope	-0.0038045	
- 14 Acres		r XY Coord	1753902	229856		Surface XY	1756000.5	234953		_ine slope	0.0185923	
		r XY Coord	1759282 1759184	235141 229870						Line slope	0.0026505 0.0231857	
	SE Come	r XY Coord	1739104	229070					VVC3t i	Line Slope	0.0201007	
	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+) Westings (-)	Vert Section	DLS deg/100'				
	Depth (ft)	Incl. (deg)	Azim. (ft)	Depth (ft)	Southings (-) (ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
	(11)	0.0	0	0	0	0	(11)	0	200	5091	1980	3278
	992	0.40	248.60	991.99	-1	-3	1.34	0.04	202	5090	1977	3281
	1146	0.20	258.10	1145.99	-2	-4	1.61	0.13	202	5090	1976	3282
	1427	0.30	276.00	1426.99	-2 1	-5 -8	1.66 -1.07	0.04 0.40	202 199	5090 5093	1975 1973	3283 3286
	1712 2187	1.30 1.10	326.90 315.70	1711.96 2186.85	9	-6 -14	-8.70	0.40	199	5100	1966	3292
	2662	0.90	294.30	2661.78	14	-20	-13.35	0.09	187	5105	1960	3299
	3138	1.00	304.00	3137.72	18	-27	-17.05	0.04	183	5109	1953	3306
	3612	1.10	305.90	3611.64	23	-34	-21.86	0.02	178	5114	1945 1939	3313 3319
	3992 4087	1.40 1.10	312.00 275.80	3991.55 4086.53	28 29	-41 -43	-26.96 -27.79	0.09 0.87	173 172	5119 5120	1939	3319
	4182	1.10	285.90	4181.51	29	-43	-28.07	0.22	172	5121	1935	3323
	4214	1.10	280.40	4213.51	29	-45	-28.19	0.44	171	5121	1935	3323
	4246	1.00	271.50	4245.50	29	-45	-28.24	0.60	171	5121	1934	3324
	4278	1.70 3.30	219.40 193.50	4277.49 4309.46	29 28	-46 -47	-27.86 -26.59	4.19 6.00	172 173	5120 5119	1934 1933	3325 3325
	4310 4341	5.40	186.60	4340.37	25	-47	-24.26	6.97	175	5117	1933	3325
	4373	7.60	184.90	4372.16	22	-47	-20.65	6.90	179	5113	1933	3326
	4405	10.10	185.60	4403.78	17	-48	-15.74	7.82	184	5108	1932	3326
	4436	11.90	186.20	4434.21	11	-48 -49	-9.85	5.82 4.38	190 197	5103 5096	1932 1931	3327 3327
	4468 4500	13.30 15.80	186.40 185.70	4465.44 4496.41	4 -4	-49	-2.89 5.12	7.83	205	5088	1930	3328
	4531	18.50	183.60	4526.03	-13	-51	14.24	8.93	214	5078	1930	3328
	4563	20.90	181.60	4556.15	-24	-51	25.03	7.79	225	5068	1930	3329
	4595	22.70	181.30	4585.86	-36	-51	36.91	5.64	236	5056	1930 1930	3329 3329
	4626 4658	24.80 27.50	179.50 176.70	4614.24 4642.96	-48 -62	-52 -51	49.39 63.47	7.17 9.27	249 263	5043 5029	1930	3328
	4690	30.10	176.50	4671.00	-78	-50	78.83	8.13	278	5014	1932	3327
	4721	32.10	176.80	4697.54	-94	-49	94.79	6.47	294	4998	1933	3325
	4753	33.60	178.30	4724.42	-111	-48	112.11	5.33	312	4981	1934	3324
	4785 4816	35.40 37.60	180.60 181.30	4750.80 4775.71	-129 -148	-48 -49	130.22 148.66	6.94 7.22	330 348	4962 4944	1935 1935	3324 3324
	4848	39.30	180.30	4800.77	-167	-49	168.55	5.66	368	4924	1935	3324
Top of Tangent	4880	42.20	180.80	4825.01	-188	-49	189.44	9.12	389	4903	1936	3324
@ 5006'	4911	42.50	180.10	4847.92	-209	-49	210.32	1.80	410	4882	1936	3323
	4943 4975	43.80 46.20	180.80 181.50	4871.27 4893.90	-231 -254	-49 -50	232.20 254.82	4.33 7.66	432 454	4860 4838	1936 1936	3323 3323
	5006	49.80	180.80	4914.64	-277	-50	277.86	11.73	477	4815	1936	3323
Btm of Tangent	5038	50.10	180.80	4935.23	-301	-51	302.35	0.94	502	4790	1937	3323
@ 5188'	5070	49.60	180.70	4955.86	-326	-51	326.81	1.58	526	4766	1937	3323 3323
	5101 5133	49.60 49.00	180.20 179.90	4975.95 4996.82	-349 -374	-51 -51	350.41 374.67	1.23 2.01	550 574	4742 4718	1937 1938	3323
1	5164	48.80	180.30	5017.20	-397	-51	398.02	1.17	598	4695	1938	3322
	5196	49.80	179.70	5038.06	-421	-51	422.28	3.43	622	4670	1939	3321
	5228	52.60	179.40	5058.11	-446	-51	447.20	8.78	647	4645	1940	3321 3320
	5259 5291	55.40 58.40	179.60 180.00	5076.33 5093.81	-471 -498	-51 -51	472.27 499.06	9.05 9.43	672 699	4620 4594	1940 1941	3319
	5323	60.60	179.60	5110.05	-526	-51	526.62	6.96	726	4566	1942	3319
	5354	63.40	180.30	5124.60	-553	-51	553.98	9.25	754	4539	1943	3318
	5386	65.60	181.10	5138.38	-582	-51	582.86	7.24	783 811	4510 4481	1943 1943	3318 3318
	5417 5449	69.50 72.60	181.10 181.20	5150.21 5160.60	-610 -641	-51 -52	611.51 641.77	12.58 9.69	811 841	4451	1943	3318
	5481	76.50	180.70	5169.12	-672	-53	672.60	12.28	872	4420	1943	3318
	5512	78.80	181.30	5175.75	-702	-53	702.88	7.66	903	4390	1943	3318
	5544	82.40	181.80	5180.98	-733	-54	734.45	11.36	934	4358	1943	3318 3319
	5576 5655	85.90 89.80	181.00 180.80	5184.24 5187.20	-765 -844	-55 -56	766.28 845.20	11.22 4.94	966 1045	4326 4247	1943 1944	3319
	5716	90.60	179.60	5186.99	-905	-56	906.19	2.36	1106	4186	1945	3317
	5808	91.50	178.80	5185.31	-997	-55	998.11	1.31	1198	4094	1949	3314
	5900	90.10	178.70	5184.02	-1089	-53	1090.01	1.53	1290	4003	1953	3311
	5992	89.40	178.00	5184.42	-1181	-50 -46	1181.88 1273.68	1.08 1.09	1382 1474	3911 3819	1957 1963	3306 3301
	6084 6177	90.00 88.30	177.20 177.30	5184.90 5186.28	-1273 -1366	-46 -42	1366.43	1.83	1566	3726	1963	3295
	6272	87.60	176.00	5189.68	-1461	-36	1461.06	1.55	1661	3631	1978	3287
	6367	89.00	177.70	5192.50	-1555	-31	1555.72	2.32	1756	3536	1985	3280

Depth Incl. Azim. Depth Southings (r) Westings (r) Section degritOr (degritOr)	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
6462 88 70 179 20 5194.41 -11650 -29 1650.88 1.51 1851 3441 1990 3276 6556 89.20 10.00 5196.13 -1744 -28 1744.52 1.00 1945 3347 1983 3276 6651 89.40 181.30 5196.71 -1839 -29 1839.51 1.66 2040 3252 1994 3273 6641 89.40 181.80 5198.12 -2029 -36 2029.49 0.63 2230 3062 1992 3276 6638 89.50 183.30 5199.00 -2124 -40 2124.66 1.58 2325 2967 1993 3278 7030 89.50 183.30 5199.07 -2218 -45 2218.40 0.11 2419 2674 1987 3282 7125 90.80 182.70 5199.44 -2313 -50 2313.55 1.41 2513 2779 1984 3273 7220 87.80 778.00 5203.56 -2603 -2603 -40 2244.66 -158 -2278 -2889 -2889 -2889 7315 88.60 778.70 5203.56 -2603 -2603 -46 2293.12 1.12 -2703 -2889 -1963 -3284 7416 89.40 1779.30 5205.64 -2593 -46 2298.02 -278	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
6566 89.20 180.00 5196.13 .1744 .28 1744.52 1.00 1945 3347 1993 3274 6661 89.40 181.30 5196.71 .1839 .29 1839.51 1.06 2040 3252 1994 3273 66746 89.40 181.40 5197.12 .1934 .32 1934.50 1.37 2135 3157 1993 3274 6836 89.50 183.30 5199.03 .2124 .40 .2124.46 1.58 .2325 .2967 1993 .3274 6836 89.50 183.30 5199.03 .2124 .40 .2124.46 1.58 .2325 .2967 1993 .3274 7730 89.60 183.30 .5199.03 .2124 .40 .2124.46 1.58 .2325 .2967 1990 .3282 7722 99.80 182.70 .5199.44 .2313 .50 .2313.35 1.41 .2513 .2779 .2784 .3282 7722 87.80 778.00 .200.60 .2406 .51 .2408.30 .577 .2586 .2684 .1985 .3284 7315 88.60 778.70 .2520.60 .2408 .51 .2408.30 .577 .2598 .2997					. ,							
6651 90.10 181.30 181.30 1819.71 - 1839 - 29 1839.51 1.66 2040 3252 1994 3273 6748 89.40 181.80 1818.01 1818.01 - 1819.12 - 1934 - 32 1934.50 1.37 2135 3157 1993 3274 6836 89.50 183.30 5199.03 - 2124 - 40 2124.46 1.58 2325 2967 1990 3278 7030 89.60 183.30 5199.77 - 2218 - 45 2218.40 0.11 2419 2874 1997 3282 7125 90.80 182.70 5199.44 - 2313 - 50 2131.35 1.41 2513 279 1994 3285 71220 67.80 178.00 5200.60 - 2408 - 51 2408.30 5.87 2608 2884 1995 3284 7315 88.60 178.70 5203.68 - 2503.69 - 46 2599.02 0.89 2798 2494 1994 3276 77605 89.30 180.10 5206.65 - 2693 - 46 2599.02 0.89 2798 2494 1994 3276 7800 89.30 180.10 5206.65 - 2693 - 46 2692.98 0.85 2893 2399 1997 3274 7800 89.30 180.10 5206.65 - 2693 - 46 2692.99 0.85 2893 2399 1997 3274 7800 89.30 180.10 5206.65 - 2693 - 46 2692.99 0.85 2893 2399 1997 3274 7800 89.30 180.10 5206.65 - 2693 - 46 2692.99 0.85 2893 2399 1997 3274 7800 89.30 180.10 5206.65 - 2693 - 46 2692.99 0.85 2893 2399 1997 3274 7800 89.50 1770 181.00 5208.49 - 2883 - 46 2892.92 2.72 3083 2209 2201 2201 78790 92.30 182.70 5203.17 2977 - 50 2877.65 1.70 3178 2114 2000 3271 7805 91.70 181.00 5193.85 - 3072 - 54 3072.78 1.49 3368 1924 1920 3274 7805 91.70 181.00 5193.85 - 3072 - 54 3072.78 1.49 3368 1924 1920 3274 7805 91.70 181.80 5193.63 - 3367 - 56 3167.75 1.49 3368 1924 1920 3274 8850 91.40 180.10 180.10 180.44 3452 - 53 3057.58 3.72 389 3843 1450 2007 3268 8853 191.00 180.10 180.10 180.44 3452 - 53 3057.58 3.72 389 3843 1450 2007 3267 8850 91.80 181.00 528.01 181.00 528.69 - 3474 - 58 382.24 68 382.24 180 3834 1450 2004 3271 8850 91.70 181.80 5193.72 - 364 3073.73 92.73 389 3843 1450 2007 3278 8929 87.70 181.80 5193.72 - 3362 - 366 332.22 1.68 4033 1260 2003 3276 9924 88.80 181.30 5191.50 - 3262 - 400 3642.37 2.69 3843 1450 200 3073 3274 9938 87.70 181.80 5193.72 - 440 3073 348 2.20 200 5091 1980 3278 9939 87.70 181.80 5193.73 - 3692 -												
6746												
6841 89.40 181.80 5198.12 -2029 -386 2029.49 0.63 2230 3062 1992 3276 7030 89.60 183.30 5199.77 -2218 -45 2218.40 0.11 2419 2874 1987 3282 7125 90.80 182.70 5199.44 -2313 -50 2313.35 1.41 2513 2779 1984 3285 7220 87.80 178.00 5200.60 -2408 -51 2408.30 5.87 2608 2884 1985 3284 7315 88.60 178.70 5203.88 -2503.89 -2603.12 1.12 2703 2808 3280 7410 89.20 179.30 5206.41 -2598 -46 2690.02 0.89 2798 2494 1994 3276 7600 89.60 179.70 5207.66 -2693 -46 2692.99 0.85 2893 2999 1997 3274 7600 89.60 179.70 5207.66 -2693 -46 2692.99 0.85 2893 2999 1997 3274 7695 91.70 1811.20 5206.49 -2883 -46 2881.92 2.72 3083 2209 2001 3271 7790 92.30 182.70 5203.17 -2977 -50 2277.85 1.70 3178 2114 2000 3272 7885 91.70 1811.90 5198.55 -3072 -54 3072.78 1.05 3273 2019 1998 3274 8075 91.70 181.50 5197.86 -3167 -56 3167.75 1.49 3368 1824 1998 3274 8075 91.40 1811.50 5198.44 -3457 -54 3367.86 3.44 4.49 3368 1824 2000 3278 8075 91.40 1811.50 5198.44 -3457 -58 3367.86 3.44 4.49 3368 1824 2000 3278 8075 91.40 1811.50 5198.44 -3457 -58 3367.86 3.44 -44 -45 -44 -4												
6936												
7030 89.80 183.30 5199.77 -2218												
7125 99.80 182.70 5199.44 -2313 -50 2313.35 1.41 2513 2779 1984 3285 7224 8180 8780 178.70 5205.86 -2603 -48 2505.12 1.12 2703 2589 1990 3280 7410 89.20 179.30 5205.41 -2598 -48 2580.12 1.12 2703 2589 1990 3280 7505 89.30 180.10 5206.55 -2693 -48 2580.02 0.89 2798 2494 1994 3276 7505 89.30 180.10 5206.55 -2693 -46 2580.02 0.89 2798 2494 1994 3276 7600 89.60 179.70 5207.56 -2788 -46 2580.02 0.89 2798 230 1899 3274 7600 92.00 1812.0 5206.47 -2788 -46 2580.02 0.89 2798 230 1899 3274 7790 92.30 1812.0 5206.49 -2883 -46 2580.02 2.72 3083 2209 2001 3271 7790 92.30 1812.0 5206.49 -2883 -46 2580.02 2.72 3083 2209 2001 3271 7790 92.30 1812.0 5206.49 -3883 -46 2582.92 2.72 3083 2209 2001 3271 7790 92.30 1812.0 5206.49 -3883 -46 2582.92 2.72 3083 2209 2001 3271 7790 92.30 1812.0 5206.49 -3883 -46 2582.92 2.72 3083 2209 2001 3271 7790 92.30 1812.0 5198.86 -3072 -54 3072.78 1.05 3273 2019 1998 3274 7880 90.70 180.90 5197.86 -3072 -54 3072.78 1.05 3273 2019 1998 3274 7880 90.70 180.90 5197.86 -3072 -55 3262.68 4.17 3463 1829 2001 3272 8170 90.40 179.90 5200.43 -3357 5.53 3262.68 4.17 3463 1829 2001 3272 8170 90.40 179.90 5200.43 -3357 5.53 3262.58 1.07 3653 1639 2007 3272 8380 92.80 183.50 5194.64 -3452 -53 3452.54 1.07 3653 1639 2007 3272 8380 92.80 183.50 5194.84 -3452 -53 3452.54 1.07 3653 1639 2007 3272 8550 89.30 181.80 5191.90 -3842 -60 3842.37 2.69 3843 1450 2004 3271 8854 8770 181.80 5201.30 -4021 -72 4021.16 0.00 4221 1071 2002 3275 8928 8845 91.50 181.00 5191.90 -3842 -60 3842.37 2.69 3843 1450 2004 3271 8854 8770 181.80 5201.30 -4021 -72 4021.16 0.00 4221 1071 2002 3275 8928 87.70 181.80 5201.30 -4021 -72 4021.16 0.00 4221 1071 2002 3275 8928 87.70 181.80 5201.30 -4021 -72 4021.16 0.00 4221 1071 2002 3275 8928 87.70 181.80 5201.30 -4021 -72 4021.16 0.00 4221 1071 2002 3275 8928 87.50 181.10 5213.5 -4000 0 0 -200 5091 1880 3278 8928 87.50 181.10 5213.5 -4000 0 0 -200 5091 1880 3278 8928 87.50 180.10 5224.72 -4714 88 4455 11 2.44 4866 497 200 5091 1880 3278 8928 87.50 180.10 5224.72 -4714 88 4455 11 2.44 4868 6 497												
7220 87,80 178,00 5200,60 -2408 -51 2408,30 5,87 2608 2884 1985 3284 7315 88,60 179,30 5205,61 -2598 -48 2898,02 0.89 2498 2494 1994 3276 7505 89,30 180,10 5206,61 -2589 -46 2898,02 0.85 2893 2399 1973 3274 7605 88,60 179,70 5207,56 -2788 -46 2879,94 0.53 2988 2304 1999 3272 7695 91,70 1815 5200,17 -2977 -50 2977,85 1,70 3178 2114 200 3272 7885 91,70 1819.0 5198,85 -5072 -54 3072,78 1,70 3178 2114 200 3272 7885 91,70 1819.0 5197,86 -1167 -55 3167,75 1,49 3368 1924 1495 235 242												
7315 88.60 178.70 5203.58 -2503 -48 2500.12 1.12 2703 2589 1990 3280 7410 89.20 179.30 5205.41 -2598 -48 2590.20 0.89 2798 2494 1994 3276 7505 89.30 180.10 5206.65 -2693 -46 25902.98 0.85 2893 2399 1997 3274 7600 89.60 179.70 181.20 5206.49 -2883 -46 2687.92 2.272 3083 2209 2001 3271 7790 92.30 181.20 5206.49 -2883 -46 2687.92 1.70 3178 2114 2000 3272 7790 92.30 181.20 5206.49 -2883 -46 2687.92 1.70 3178 2114 2000 3272 7885 91.70 181.90 5199.85 -3072 -54 3072.78 1.05 3273 2019 1998 3274 7890 90.70 181.90 5199.86 -3167 -56 3167.75 1.49 3368 1924 1998 3274 7890 90.70 181.90 5199.86 -3167 -56 3167.75 1.49 3368 1924 2001 3272 8170 90.40 179.90 5200.43 -3357 -55 3362.68 4.17 3463 1829 2001 3272 8265 91.40 180.10 5188.94 -3452 -55 3362.68 4.17 3463 1829 2001 3272 8360 92.80 183.50 5195.46 -3457 -56 3367.46 3.87 3748 1544 2005 3288 8360 92.80 183.50 5195.46 -3457 -56 3367.36 4.3 57 348 1544 2005 3288 8365 91.50 181.30 5191.90 -3642 -60 3842.37 2.29 3843 1450 2004 3271 8550 89.30 181.80 5191.23 -3737 -63 3475.86 2.27 3938 1355 2004 3271 8564 87.70 181.80 5191.73 -3832 -68 3323.24 188 4033 1260 2003 3273 8740 87.70 181.80 5205.12 -4015 -74 4021.16 0.00 4221 1071 2002 3276 8924 88.80 181.80 5191.53 -3927 -69 3272 4021.16 0.00 4221 1071 2002 3276 9024 88.80 181.80 5191.53 -3927 -69 3272 4021.16 0.00 4221 1071 2002 3276 9024 88.80 181.80 5205.12 -4015 -74 4011.04 1.18 4018 881 2002 3276 9024 88.80 181.80 5205.12 -4015 -74 4021.16 0.00 4221 1071 2002 3276 9024 88.80 181.80 5205.12 -4015 -74 4021.16 0.00 50 5091 1980 3278 9024 88.80 181.80 5193.72 -8832 -68 3805.97 2.02 4508 5091 1980 3278 9024 88.80 181.80 5205.12 -4015 -74 4021.16 0.00 50 5091 1980 3278 9024 88.80 181.80 5205.12 -4015 -74 4021.16 0.00 50 5091 1980 3278 9024 88.80 181.80 5205.12 -4015 -74 4021.16 0.00 50 5091 1980 3278 9024 88.80 181.80 5193.50 -4485 -4485 -9485												
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Remarks

Tiffany Golay 03/19/013 01:55 pm	Frac Disclosure uploaded to FracFocus
Tiffany Golay 03/05/013 01:23 pm	Additional Fluid Mgmt Info: 4200 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43, Lipscomb, TX
Tiffany Golay 02/26/013 10:35 am	TVD= 5,226
Tiffany Golay 02/26/013 10:35 am	Conductor weight= 94 lbs/ft