

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1105563

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	East West				
Address 2:			Feet from \(\sum \) North / \(\sum \) South Line of Sec						
City:	State: Z	ip:+	Feet from						
Contact Person:			Footages Calculated from Nearest Outside Section Corner:						
Phone: ()			□NE □NW □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			1						
GSW	Permit #:		Operator Name:						
_ _			Lease Name:	License #:_					
Spud Date or Date R	eached 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



Operator Name:				_ Lease N	lame: _			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to s	g and shut-in pressu	res, whet	her shut-in pre	ssure reach	ned stati	c level, hydrosta	tic pressures, bot			
Final Radioactivity Log, files must be submitted						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log	
Drill Stem Tests Taken (Attach Additional Sh	eets)	Ye	s No				on (Top), Depth a		Sample	
Samples Sent to Geolog	gical Survey	Ye	s No		Nam	е		Тор	Datum	
Cores Taken Electric Log Run		☐ Ye ☐ Ye								
List All E. Logs Run:										
		Repor	CASING tall strings set-c		Ne	w Used	on, etc.			
Purpose of String	Size Hole Drilled	Size	e Casing (In O.D.)	Weig Lbs./	ht	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	OFMENTIN	10 / 001	JEEZE DEGODD				
Purpose:	Depth					JEEZE RECORD	T 15	N		
Perforate Protect Casing Plug Back TD	Top Bottom	туре	of Cement	# Sacks Used			Type and F	Percent Additives		
Plug Off Zone										
Did you perform a hydraulic Does the volume of the tota Was the hydraulic fracturing	al base fluid of the hydra	ulic fractu	ring treatment ex			Yes ?Yes Yes	No (If No, sk	ip questions 2 ar ip question 3) out Page Three		
Shots Per Foot			D - Bridge Plugs ach Interval Perf			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) De				
TUBING RECORD:	Size:	Set At:		Packer At	:	Liner Run:	Yes No			
Date of First, Resumed Pr	roduction, SWD or ENH	R.	Producing Meth Flowing	od: Pumping		Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil Bł	ols.	Gas	Mcf	Wate	er Bl	bls. (Gas-Oil Ratio	Gravity	
DISPOSITION	I OF GAS:		N	IETHOD OF	COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold	Used on Lease		pen Hole	Perf.	Dually	Comp. Con	nmingled			
(If vented, Subm	it ACO-18.)		ther (Specify)		(Submit)	(Subi	mit ACO-4) —			

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Scott 3119 1-29H
Doc ID	1105563

All Electric Logs Run

Boresight	
Resistivity	
Porosity	
Mud Log	

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	10948-11242	4519 bbls water, 36 bbls acid, 76M lbs sd, 4555 TLTR	
5	10548-10871	4352 bbls water, 36 bbls acid, 76M lbs sd, 9198 TLTR	
5	10134-10448	4176 bbls water, 36 bbls acid, 75M lbs sd, 13623 TLTR	
5	9776-10018	4084 bbls water, 36 bbls acid, 75M lbs sd, 17939 TLTR	
5	9338-9682	4224 bbls water, 36 bbls acid, 75M lbs sd, 22373 TLTR	
5	8870-9278	4286 bbls water, 36 bbls acid, 75M lbs sd, 26755 TLTR	
5	8410-8672	4232 bbls water, 36 bbls acid, 75M lbs sd, 31160 TLTR	
5	7994-8350	4344 bbls water, 36 bbls acid, 75M lbs sd, 35657 TLTR	
5	7626-7910	4297 bbls water, 36 bbls acid, 75M lbs sd, 40092 TLTR	
5	7002-7486	4188 bbls water, 36 bbls acid, 74M lbs sd, 44418 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Scott 3119 1-29H
Doc ID	1105563

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	24	20	75	90	Pro Oilfield Services 8 sack Grout	14	none
Surface	12.25	9.63	36	1010	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	450	(6% gel) 2% Calcium Chloride, 1/4 pps Cello- Flake, .5% C-41P
Intermedia te	8.75	7	26	5722	O-Tex 50/50 Poz Premium/ Premium	285	4% gel, .4% C-12, .1% C-37, .5% C- 41P, 2 lb/sk Phenoseal
Production Liner	6.12	4.5	11.6	9999	O-Tex 50/50 Premium Poz	700	(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/

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 15-033-21680-01-00 Scott 3119 1-29H NW/4 Sec.32-31S-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



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 3156 11/26/2012 12/1/1901

Ordered By:

Lease/Well: SCOTT 3119 1-29H
Rig Name/Number: LARIAT 45
AFE Number:
Site Contact:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	SCOTT 3119 1-29H	\$24,570.00	\$0.00	\$24,570.00	11/21/2012 11/21/2012	\$24,570.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	`\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	6X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
80	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
80	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	`\$0.00	11/21/2012 11/21/2012	
14	CEMENT 8 SACK GROUT	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	•
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
1	PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE	\$0.00	\$0.00	\$0.00	11/21/2012 11/21/2012	
	Sub Total:	\$24,570.00	\$0.00			\$24,570.00

N	an	ne	
_	tur		

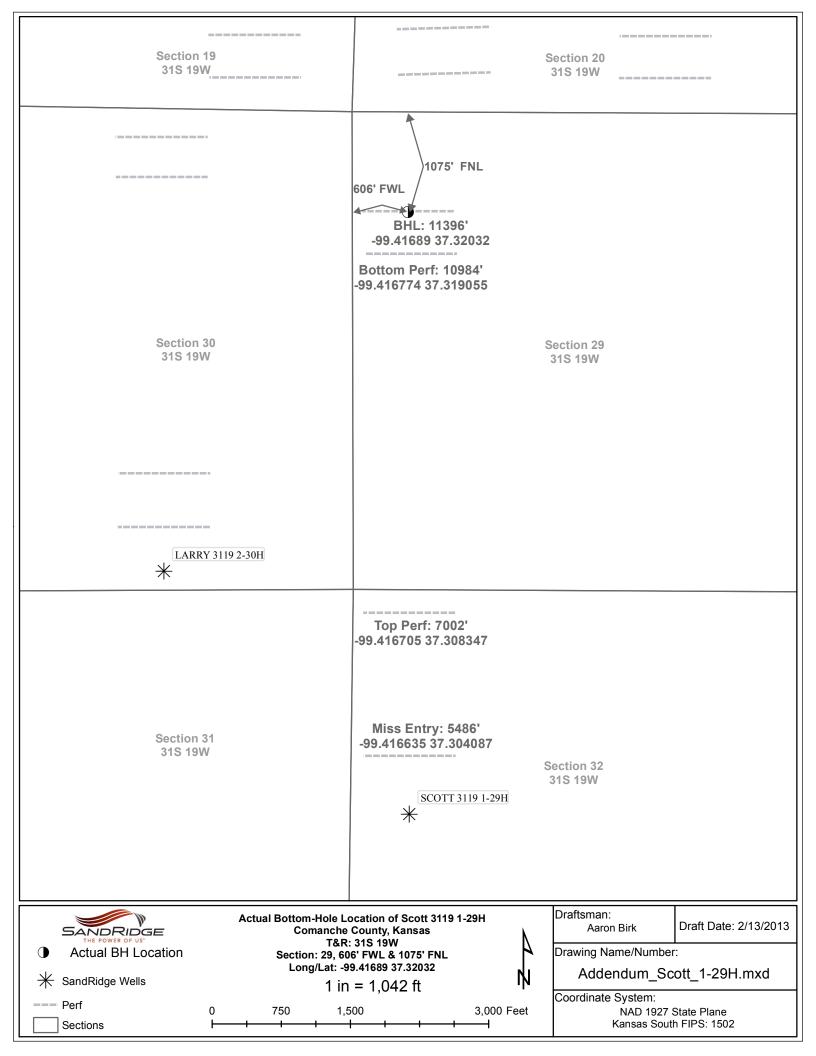
		1	OR SIIMI	PROJECT NOMBER TICKET DATE 11/28/12									
COUNTY	State	0	OB SUMI				CUSTOMER REP				11/20/12		
Comanche	e Kar	nsas	Sandridge Explore	ation & Pro	ducti	ion	Tommy Whitlow						
LEASE NAME Scott 31	110 1	Wel No.	JOB TYPE Surfac	A			EMPLOYEE NAME Daniel Wells						
EMPNAME	110	-24011	Cando					Damer	,,,,,,,				
Daniel Wells		П			I				T				
Scott Woods													
Cheryl Newton					\dashv				-				
Flo Helkena		Times											
Form. Name		Type:			Call	ed Out	IOn Location	n I.	Job S	started	Job Co	ompleted	
Packer Type		Set At		Date		11/28/2012	11/28/2			1/28/2012		28/2012	
Bottom Hole Te Retainer Depth		Press Total I		Time		0800	1400			1950	,	130	
Retainer Depth	Tools and Acc			THITIE I	-	0000	Well D	Data		1000		100	
Type an	d Size C	Oty	Make			New/Used	Weight	Size Gra		From	To	Max. Allow	
Auto Fill Tube		0	IR	Casing	-	New	36#	9 5/8	-	Surface	1010'	1,500	
Insert Float Val Centralizers		0	IR IR	Liner Liner			-	-	-				
Top Plug		1	İR	Tubing				0					
HEAD		1	IR	Drill Pip				16.11	二				
Limit clamp		0	IR	Open H				12 1/4	' '	Surface	1015'	Shots/Ft.	
Weld-A Texas Pattern (0	IR IR	Perforal Perforal					+				
Cement Basket	Julius Silies	0	İR	Perforat	ions								
Mud Type	Materials WBM Der	nsity	9 Lb/Gal	Hours C	n	ocation	Operating		_	Descrip	tion of Job		
Disp. Fluid	Fresh Water Der	nsity	8.33 Lb/Gal	11/28		Hours 7.0	Date 11/28	Hours 1.5	\dashv	Surface			
Spacer type	resh Wat∈BBL.	10	8.33					- 114					
Spacer type	BBL.		%		\dashv				\Box	-			
Acid Type _ Acid Type	Gal. Gal.		-% 		\dashv				\dashv				
Surfactant	Gal.		In		\exists								
NE Agent	Gal.		_ln		4				_				
Fluid Loss Gelling Agent	Gal/Lb Gal/Lb		In		\dashv				\dashv	-			
Fric. Red.	Gal/Lb		_In		士				\exists				
MISC.	Gal/Lb		_in	Total	L	7.0	Total	1.5	\Box				
Perfoac Balls		Qtv.	·				Pre	essures					
Other				MAX		1,500	AVG.	100					
Other	*			MAX		8 BPM	Average						
				IVIAA		6 BFW	AVG Cement	Left in P					
Other				Feet		44'	Reason						
Stage Sacks	Cement		T	Additives		t Data				1 14175	1 >0.4:	1 (1 /= :	
		Plus 6	(6% Gel) 2% Calc			1/4pps Cello-	Flake5% C	-41P		W/Rq 10.88		Lbs/Gal 12.70	
2 150	Premium Plus (C	lass C)	2% Calcium Chlo	ride - 1/4pp	s C	ello-Flake				6.32	1.32	14.80	
3													
										-	-		
				Sum	mar	v							
Preflush [Type:				reflush:	BBI	10.0		Type:	Fresh	Water	
Breakdown		MAXIN	NUM 1	,500 PSI		oad & Bkdn: xcess /Retur		N/A		Pad:Bbl	-Gal	N/A	
-		Actual		Surface		calc. TOC:	II DDI	20 Surfa		_ Calc.Dis Actual D		75 75.00	
Average		Bump	Plug PSI:	920	\equiv F	inal Circ.	PSI:	350		Disp:Bb		75.00	
ısıp5 Mi	n	10 Min	15 Mi	n		Cement Slurry Total Volume	: BBI BBI	134. 219,0					
		T				Star volume	טטו	2.0,0	T				
			<u> </u>		-				-				
CUSTOME	ER REPRESEN	ITATI	VE		7								
			-		<		SIGNATURE						

IOP CIL	PROJECT NOMBER TICKET DATE 12/02/12									
JOBSU State COMPANY	SOK 2183 12/02/12									
Comanche Kansas Sandridge Ex	xploration & Pro	Tommy Whitlow								
LEASE NAME Well No. JOB TYPE		EMPLOYEE NAME Matt Wilson								
Scott 3119 1-29H Intern	nediate				watt yyı	son				
Matt Wilson 10						T				
Jared Green		7				 				
Emmit Brock										
Dustin Odum										
Form. NameType:				10 1 11						
Packer Type Set At 4,357*	— Date	Cal	led Out 12/3/2012	On Location 12/3/2		b Starte 12/3/2			mpleted /4/2012	
Bottom Hole Temp. 155 Pressure			12/0/2012	12,0/2		121012				
Retainer Depth Total Depth	Z2 Time							12	12:30 am	
Tools and Accessories Type and Size Qty Make	–		New/Used	Well D Weight		el Fro	m T	To	Max. Allow	
Auto Fill Tube 0 IR	Casing	_	New/Osed	26#	7"	Surfa		5,742	5,000	
Insert Float Val 0 IR	Liner							_,	1	
Centralizers 0 IR	Liner									
Top Plug 0 IR HEAD 0 IR	Tubing				0	-	-			
HEAD 0 IR Limit clamp 0 IR	Drill Pir				8 3/4"	Surfa	ace	5,742	Shots/Ft.	
Weld-A 0 IR	Perfora		3			- Curre	-	0,1 42	Shots/11.	
Texas Pattern Guide Shoe 0 IR	Perfora	tions	3							
Cement Basket 0 IR	Perfora			Onevelle	latura					
Materials Mud Type WBM Density 9 Lb/G	Sall Date	Data Hours Data Hours						tion of Job		
Disn Fluid Fresh Water Density 8.33 1 b/G	Fal 12/3	12/3 5.0 12/3 4.0 Intermediate								
Spacer type resh Wate BBL 20 8.33 Spacer type Caustic BBL 10 8.40	_ ·	_				_				
Spacer type Caustic BBL 10 8.40 Acid Type Gal. %	$\dashv \vdash -$									
Acid Type Gal. %						1 —				
Surfactant Gal In		\neg				1 =				
NE Agent Gal In Fluid Loss Gal/Lb In	┥ ├──	\dashv				┨ —				
Gelling Agent Gal/Lb In		\dashv				1 -				
Fric. Red. Gal/Lb In						1 =				
MISC Gal/Lb In	Total	I	5.0	Total	4.0	J				
Perfpac BallsQty	-			Pre	essures					
Other	MAX		5,000 PSI	AVG	400					
Other Other	1444		a DDM		Rates in BF	M				
Other	MAX	-	8 BPM	AVG	Left in Pip	Δ				
Other	Feet		81		SHOE JO				1	
			nt Data					T		
Stage Sacks Cement 1 185 50/50 POZ PREMIUM 4% Gel - 0.4%	Additive	3.27	- 0.5% C-41P -	2 lh/sk Dhan	leaso		W/Rq. 6.77	Yield 1.44	Lbs/Gal	
2 100 Premium 0.4% C-12 - 0	0.1% C-37	,~,1	- 0.070 U-41P -	- IDISK FIRE	USCAI		5.20	1.44	13.60 15.60	
3 0 0		_				0	0.00	0.00	0.00	
						L_				
Preflush 10 Type:	Sun Caustic	nma	rv Preflush:	вы	30.00	Tv	pe:	WEIGH	TED SP.	
Breakdown MAXIMUM	5,000 PSI		Load & Bkdn:	Gal - BBI	N/A	Pa	d:Bbl -C	Gal	N/A	
Lost Returns-N	NO/FULL		Excess /Return	n BBI .	N/A		lc.Disp		217	
Actual TOC Average Bump Plug PSI:			Calc. TOC: Final Circ.	PSI:	4,034 820		tual Dis sp:Bbl	p	217.00	
	5 Min		Cement Slurry:	BBI	68.0					
			Total Volume	BBI	315.00	-				
			1/							
CHETOMED BEDDESCRITATIVE	Bell Ja	Ŋ	t/							
CUSTOMER REPRESENTATIVE	1W 00	en	w	SIGNATURE						

JOB SUMMARY							SOK 2221 12/15/12						
COUNTY	COUNTY SING COMPANY							CUSTOMER REP					
Comanche Kansas	JOB TYPE					Bill Torbett							
Scott 3119 1-29H	Liner	Liner						Bre	eze				
EMP NAME													
	ntray Watkins							\rightarrow					
Arthur Setzar Cheryl Newton								-					
Flo Helkena			_	-				\dashv					
			Cal	led O	ut	On Locatio			Started		mpleted		
Packer TypeSet At		Date		12/1	5/2012	12/15/2	012	1	2/15/2012	12/	15/2012		
Bottom Hole Temp. 150 Pressu Retainer Depth Total I	Depth 11396	Time		060	ın	1400			2015	2	300		
Tools and Accessorie		THUE I	-	000			Well Data			2010 1 2			
Type and Size Qty	Make			1	lew/Used		Size Gra	ade	From	To	Max. Allow		
	Neatherford	Casing		_		11.6	4 1/2	-	11399	5,304	5,000		
Insert Float Val 0 Centralizers 0		Liner To		\dashv			_	+	5,304	3,526			
Centralizers 0 Top Plug 0		HWDP Drill Pip		\dashv		14.0	4		3,526	surfce			
HEAD 0		Drill Co		,		,,,,,		\dashv	.0,020				
Limit clamp 0		Open H					6 1/8"		Surface	11,396	Shots/Ft.		
Weld-A 0		Perfora						\perp					
Texas Pattern Guide Shoe 0 Cement Basket 0		Perfora Perfora						+					
Materials		Hours C			ion	Operating	lours		Descrip	tion of Job			
Mud Type WBM Density	9.1 Lb/Gal	Date Hours Date Hours						Liner					
Disp. Fluid Fresh Water Density	8.33 Lb/Gal	12/16	5			12/15	4.0	\dashv					
Spacer type resh Wat∈ BBL 20 8.33 Spacer type Caustic BBL 10 8.40								\dashv					
Acid Type Gal.	%												
Acid Type Gal	%							_					
Surfactant Gal NE Agent Gal.	In In		-	-				\dashv					
Fluid Loss Gal/Lb	in							\dashv					
Gelling Agent Gal/Lb	ln l												
Fric. Red. Gal/Lb	_in	Tatal	_			Takal	4.0	-					
MISCGal/Lb	_In	Total	l		0.0	Total	4.0						
Perfpac BallsQty.			-			Pre	essures						
Other		MAX		50	000	AVG.	40						
Other		MAX	Average Rates in BPM IAX 6 BPM AVG 5										
Other		IVIAA		UL	21 (4)		Left in P						
Other		Feet		8	37	Reason			Т				
	·			nt Da	ita				1 14475	1 10 11			
Stage Sacks Cement 1 700 50/50 Premium Poz	(4%Gel)4% C12	Additive:		5% 0	-41P-21	h/Sk Phenos	seal		6.77	. Yield	Lbs/Gal 13.60		
2 0 0	(4/80ci)4/8 012	1 /8 00/	- 0	.0 /6 C	7-711 - 2 L	LD/OK T HEHO!	cai		0 0.00		0.00		
3 0 0									0 0.00		0.00		
Preflush Type:		Sun	nma	ry Prefl	ush:	вы	30.0	00	Type:	8 59#9	PACER		
Breakdown MAXIN	MUM !	5,000				Gal - BBI	N/A	1	Pad:Bbl		N/A		
Lost R	eturns-N No	O/FULL		Exce	ss /Return		N/A		Calc.Dis	sp Bbl	142		
AverageActual Bump	Plug PSI: 1620	4,376			TOC:	PSI:	4,37 3/7)200		Actual [Disp:Bb		142.00		
ISIP5 Min10 Min	15 Min			Cem	ent Slurry	: BBI	120	.5	7				
				Total	Volume	BBI	292.	54					
		-	-	7	111								
OLIOTOMED DEDDESET := . = .	D.1	VJo	_ (/	1. 8	4								
CUSTOMER REPRESENTATI	VE	10	4	21/		SIGNATURE							

Directional	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
Survey	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'	ENII T	FOI 1	T\A/I	
Calculations SHL	(ft) 0	(deg) 0.00	(ft) 0.00	(ft) 0.00	(ft) 0.00	(ft) 0.00	(ft) 0.00	(deg) 0.00	FNL 7654	FSL 202	FWL 663	FEL 4621
BHL	11396	86.30	355.50	5264.71	6544.61	-12.57	6544.55	0.00	1109	6747	631	4733
Miss Entry	5471	67.77	359.02	5225.70	631.65	3.47	631.66	10.59	7022	834	665	4627
Top Perf	7002	90.90	121.23	5269.62	2154.49	-1.76	2154.48	1.03	5499	2356	655	4655
Bottom Perf	11242	90.92	356.54	5259.06	6391.17	-1.48	6391.14	4.69	1263	6593	642	4719
			X	Υ							m	
Survey Points		r XY Coord	1732854	240416			X	Y		Line slope	0.0011159	
		r XY Coord	1732830 1738231	232559 240422		Surface XY	1733494	232763		Line slope	0.015167 0.0032185	
		r XY Coord	1738231	232576						Line slope	0.0030546	
_												
	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
	Depth (ft)	Incl. (deg)	Azim. (ft)	Depth (ft)	Southings (-) (ft)	Westings (-) (ft)	Section (ft)	deg/100' (deg)	FNL	FSL	FWL	FEL
	0	0.0	0	0	(11)	0	0	0	7654	202	663	4621
	1238	0.40	338.70	1237.99	4	-2	4.02	0.03	7650	206	662	4622
	1421	0.30	328.50	1420.99	5	-2	5.03	0.07	7649	207	661	4623
	1896 2372	0.30 0.50	20.00 37.60	1895.98 2371.97	7 10	-2 -1	7.26 10.08	0.06 0.05	7646 7644	209 212	661 663	4623 4622
	2847	0.40	4.80	2846.96	13	1	13.38	0.06	7640	215	664	4620
	3322	0.30	251.60	3321.95	15	0	14.64	0.12	7639	216	663	4621
	3797	0.70	296.20	3796.93	16	-4	15.51	0.11	7638	217	659	4625
	4272 4303	0.80 0.90	308.20 311.90	4271.89 4302.89	19 19	-9 -10	18.83 19.13	0.04 0.37	7635 7635	221 221	654 654	4630 4631
	4336	1.10	328.80	4335.88	20	-10	19.57	1.07	7634	221	653	4631
	4367	1.70	16.10	4366.88	20	-10	20.27	4.03	7633	222	653	4631
	4399	4.60	19.10	4398.82	22	-9	21.94	9.08	7632	224	654	4631
	4431 4462	7.50 9.80	14.00 9.20	4430.64 4461.29	25 30	-8 -8	25.19 29.76	9.21 7.77	7628 7624	227 232	655 656	4630 4629
	4494	11.80	7.40	4492.72	36	-7	35.69	6.34	7618	238	657	4628
	4526	13.80	8.10	4523.92	43	-6	42.72	6.27	7611	245	658	4627
	4557 4588	15.90 18.60	9.00 7.70	4553.89 4583.49	51 60	-5 -3	50.58 59.68	6.82 8.80	7603 7594	252 262	659 660	4626 4625
	4620	21.00	6.30	4613.60	70	-2	70.44	7.65	7583	272	661	4624
	4652	23.40	6.90	4643.22	82	-1	82.46	7.53	7571	284	663	4623
	4683	23.90	7.50	4671.62	95	1	94.80	1.79	7559	297	664	4621
	4715 4747	25.30 27.20	6.10 4.40	4700.71 4729.41	108 122	3	108.03 122.13	4.74 6.39	7546 7532	310 324	666 667	4620 4619
	4778	28.60	2.30	4756.81	137	5	136.61	5.52	7517	338	668	4618
	4810	30.30	0.40	4784.67	152	5	152.34	6.06	7501	354	668	4618
	4842	31.00	360.00	4812.20	169	5	168.65	2.28	7485	370	668	4618
	4873 4905	32.80 34.50	360.00 1.00	4838.52 4865.16	185 203	5 5	185.04 202.77	5.81 5.59	7469 7451	387 405	668 668	4618 4619
	4936	36.40	1.40	4890.41	221	6	220.74	6.18	7433	423	668	4618
	4968	38.30	0.60	4915.85	240	6	240.16	6.13	7414	442	669	4618
	5000 5031	41.40 45.10	358.60 357.90	4940.41	261 282	6 5	260.66 281.88	10.48 12.04	7393 7372	462 484	668 668	4619 4620
Top of Tangent	5063	47.80	358.30	4962.99 4985.03	305	4	305.06	8.49	7349	507	667	4621
@ 5094'	5094	49.30	359.30	5005.55	328	4	328.29	5.41	7325	530	666	4622
	5126	48.90	359.30	5026.50	352	4	352.47	1.25	7301	554	666	4622
	5158 5189	48.50 49.20	359.30 359.50	5047.62 5068.02	377 400	3	376.51 399.85	1.25 2.31	7277 7254	578 602	666 665	4623 4624
Btm of Tangent	5221	49.20	359.90	5088.93	424	3	424.08	0.95	7230	626	665	4624
@ 5284'	5253	49.70	0.20	5109.74	448	3	448.39	1.72	7205	650	665	4625
	5284	49.90	0.60	5129.75	472	3	472.07	1.18	7182	674	665	4625
	5316 5348	52.50 56.40	0.80 1.20	5149.80 5168.40	497 523	4 4	497.01 523.04	8.14 12.23	7157 7131	699 725	665 666	4625 4625
	5379	59.70	0.20	5184.80	549	, 4	549.34	10.99	7104	751	666	4625
	5411	62.50	359.40	5200.26	577	4	577.35	9.02	7076	779	666	4625
	5443	64.70	359.20	5214.49	606	4	606.01	6.90	7048	808	665	4626
	5474 5506	68.10 70.90	359.00 358.60	5226.90 5238.11	634 664	3	634.41 664.37	10.98 8.83	7019 6989	836 866	665 664	4627 4628
	5537	73.20	359.00	5247.66	694	2	693.85	7.52	6960	896	663	4629
	5569	74.40	359.50	5256.59	725	2	724.58	4.04	6929	926	663	4630
	5601	76.00	0.20	5264.76	756	2	755.51	5.43	6898	957	663	4631
	5632 5664	79.40 81.80	0.80 1.90	5271.36 5276.59	786 817	2	785.80 817.36	11.13 8.23	6868 6836	988 1019	663 664	4631 4631
	5667	82.10	2.00	5277.01	820	3	820.33	10.53	6833	1019	664	4630
	5745	87.00	2.20	5284.42	898	6	897.91	6.29	6756	1100	666	4629
	5837	90.30	0.30	5286.58	990	8	989.85	4.14	6664	1192	668	4628
	5929 6021	91.00 91.40	359.90 359.90	5285.54 5283.61	1082 1174	8 8	1081.85 1173.83	0.88 0.44	6572 6480	1284 1376	668 667	4629 4631
	6113	91.40	360.00	5281.45	1266	8	1265.80	0.44	6388	1468	667	4632
	6205	91.10	360.00	5279.52	1358	8	1357.78	0.22	6296	1560	667	4634
	6297	91.50	359.90	5277.43	1450	8	1449.76	0.45	6204	1652	666	4635
	6389 6481	90.60 89.30	359.80 0.60	5275.75 5275.83	1542 1634	7 8	1541.74 1633.74	0.99 1.66	6112 6020	1744 1836	666 666	4637 4638
	6573	90.20	0.60	5275.83	1726	9	1725.74	0.98	5928	1928	667	4638
	6665	91.00	357.80	5275.26	1818	7	1817.71	3.17	5836	2020	665	4641

Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
6757	90.70	357.30	5273.90	1910	3	1909.60	0.63	5744	2111	661	4646
6849	91.00	358.60	5272.53	2002	0	2001.52	1.45	5652	2203	657	4651
6941	91.30	359.40	5270.69	2093	-2	2093.49	0.93	5560	2295	655	4654
7033	90.70	0.20	5269.08	2185	-2	2185.47	1.09	5468	2387	655	4656
7125	90.70	359.40	5267.96	2277	-2	2277.46	0.87	5376	2479	654	4658
7217	91.10	2.10	5266.51	2369	-1	2369.44	2.97	5284	2571	655	4658
7309 7401	90.50 90.30	2.30 1.90	5265.23	2461	3	2461.37	0.69	5192 5100	2663 2755	658 661	4656 4654
7401	90.50	0.60	5264.59 5263.94	2553 2645	6 8	2553.32 2645.30	0.49	5008	2847	663	4653
7586	90.80	0.40	5262.89	2738	9	2738.29	1.43 0.39	4915	2940	664	4654
7681	90.60	359.70	5261.73	2833	9	2833.28	0.33	4820	3035	664	4655
7776	90.10	359.70	5261.15	2928	8	2928.28	0.53	4725	3130	663	4657
7871	89.70	0.20	5261.31	3023	8	3023.28	0.68	4630	3225	662	4658
7966	88.60	359.30	5262.72	3118	8	3118.27	1.50	4535	3320	662	4660
8061	89.20	359.10	5264.55	3213	7	3213.24	0.67	4440	3415	660	4663
8156	89.20	359.20	5265.87	3308	5	3308.21	0.11	4346	3510	658	4666
8251	90.70	1.40	5265.96	3403	6	3403.20	2.80	4251	3605	659	4667
8346	92.20	2.50	5263.55	3498	9	3498.12	1.96	4156	3700	662	4665
8441	93.10	3.30	5259.16	3593	14	3592.91	1.27	4061	3795	666	4662
8535	91.70	1.50	5255.22	3687	18	3686.75	2.43	3967	3889	670	4659
8630	89.40	0.30	5254.31	3782	19	3781.73	2.73	3872	3983	671	4659
8725	89.20	359.10	5255.47	3877	19	3876.72	1.28	3777	4078	670	4661
8820	90.90	0.10	5255.39	3972	18	3971.72	2.08	3682	4173	669	4663
8915	92.20	1.30	5252.82	4067	19	4066.67	1.86	3587	4268	670	4663
8956	93.20	2.50	5250.89	4108	20	4107.61	3.81	3546	4309	671	4663
9048 9140	93.10 88.70	3.90 1.50	5245.83 5244.39	4199	26 30	4199.34	1.52	3454	4401	676 680	4659
9232	86.60	359.50	5244.39	4291 4383	31	4291.21 4383.12	5.45 3.15	3363 3271	4493 4585	681	4656 4657
9323	92.40	1.70	5248.95	4474	32	4474.07	6.82	3180	4676	681	4657
9415	88.50	358.40	5248.23	4566	32	4566.04	5.55	3088	4768	681	4658
9509	89.00	358.90	5250.28	4660	30	4659.98	0.75	2994	4862	679	4662
9604	89.00	358.00	5251.94	4755	27	4754.93	0.95	2899	4957	676	4666
9699	90.30	358.60	5252.52	4850	24	4849.87	1.51	2804	5052	673	4670
9794	94.10	0.80	5248.87	4945	24	4944.78	4.62	2709	5147	672	4672
9889	89.40	358.50	5245.97	5040	23	5039.70	5.51	2614	5241	671	4674
9984	91.00	0.40	5245.64	5135	22	5134.69	2.62	2519	5336	670	4677
10079	91.60	1.70	5243.49	5230	24	5229.65	1.51	2424	5431	671	4676
10174	91.80	0.20	5240.67	5325	25	5324.60	1.59	2329	5526	673	4676
10269	88.60	360.00	5240.34	5420	26	5419.58	3.38	2234	5621	672	4677
10364	88.50	0.20	5242.74	5515	26	5514.55	0.24	2139	5716	672	4679
10459	89.70	359.70	5244.23	5609	26	5609.54	1.37	2044	5811	672	4680
10554 10649	88.90 86.80	359.50	5245.39	5704	25	5704.53	0.87	1949	5906	671	4682
10744	85.20	359.40 358.90	5248.96 5255.58	5799 5894	24 23	5799.45	2.21	1854	6001	670	4685
10839	87.30	357.70	5261.80	5989	20	5894.20 5988.94	1.77 2.55	1760 1665	6096 6191	668 665	4688 4692
10934	89.00	357.10	5264.86	6084	16	6083.78	1.90	1570	6286	660	4698
11029	90.40	356.50	5265.36	6179	10	6178.61	1.60	1475	6380	655	4704
11124	91.70	356.90	5263.62	6273	5	6273.42	1.43	1380	6475	649	4711
11156	92.20	357.20	5262.53	6305	3	6305.36	1.82	1348	6507	647	4713
11187	93.30	356.90	5261.04	6336	2	6336.28	3.68	1317	6538	646	4715
11219	92.00	356.90	5259.56	6368	0	6368.19	4.06	1285	6570	644	4718
11251	90.50	356.40	5258.87	6400	-2	6400.12	4.94	1254	6602	642	4720
11282	88.70	355.90	5259.08	6431	-4	6431.05	6.03	1223	6633	640	4722
11314	88.20	356.10	5259.95	6463	-6	6462.95	1.68	1191	6665	637	4725
11346	86.30	355.50	5261.48	6495	-9	6494.82	6.23	1159	6697	635	4728
11396	86.30	355.50	5264.71	6545	-13	6544.55	0.00	1109	6747	631	4733



Remarks

Tiffany Additional Fluid Mgmt Info: 4600 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43, Lipscomb, TX, 10-0992; 140 bbls hauled to West OK Golay 02/13/013 Disposal, Smith Estate, Well #1, SW/4 21-23N-21W, Woodward, OK, 07:44 am 35153206970000

Tiffany

Golay

02/04/013 TVD= 5,264

02:52 pm

Tiffany Golay

02/04/013

Conductor weight= 94 lbs/ft Liner depth= 11,396'

02:52 pm

Tiffany

Golay

12/21/012 TMD= 11,396

09:08 am