

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1221531

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:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West 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 III Approved by: Date:									



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Eures, whether shut-in preith final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		tain Geophysical Data a r newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-			ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Does the volume of the to		n this well? aulic fracturing treatment ex submitted to the chemical (_	Yes ? Yes Yes	No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Per	forated	(A	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole	METHOD OF COMPLE Perf. Dually (Submit A	Comp. Cor	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub	omit ACO-18.)	Other (Specify)	(Submit)	100-3) (SUB	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	Source Energy MidCon LLC
Well Name	CHASE 17-12-31
Doc ID	1221531

Casing

Purpose Of String		Size Casing Set	Weight	Setting Depth	Cement		Type and Percent Additives
surface	11	8.625	23	326	Class A	150	
production	7.8750	5.5	5	3026	Class A	175	

SUMMIT DRILLING COMPANY

Operator: Source Energy MidCon, LLC Well: Chase #17-12-31 Legal: SW NE SW NW Sec 17 Twp 25 S. R. 04 E Morning: #### PR County: Butler Day: #### PR State: Kansas Evening: #### PR Day Eve Morn Day E Day 8 Day 9 Day 10 Day 6 Day 7 Day 1 Day 3 Day 4 Day 5 Day 2 Total 08/14/14 08/12/14 08/13/14 08/09/14 08/10/14 08/11/14 08/06/14 08/07/14 08/08/14 as of 7:00 am 08/05/14 38.1 | 27.6 | #### | 54.7 | 74.1 | #### | 61.2 | 46.7 | #### | 41.6 | 35.9 | #### | 37.7 | 22.5 | #### | 17.8 | #### | 17.8 | #### | 14.5 | #### | 31.3 | 10.9 | #### | 24.0 | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### | #### 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1.75 2.50 1.04% Cementing 1.25 Cementing 1,25 30.25 12.60% Testing 8.50 5,00 1,50 12.00 3.25 Testing 6.75 2.81% Logging 3.25 3.50 Logging 2.75 1.15% LDDC 2.75 LDDC 0.00 0.00% Lost Circ Lost Circ 0.00 0.00% Ream Ream 0.83% Survey 2.00 0.50 0.50 0.50 0.50 Survey 0.21% Drill Cement 0.50 **Drill Cement** 0.50 0.00% Drain Up Kelly Hose 0.00 Drain up KellyHose 0.00 0.00% Nipple Up Nipple Up Nipple Down 1.25 0.52% 1.25 Nipple Down 3.00 1.25% Service 0.50 0.25 0.25 0.50 0.25 0.50 0.25 0.25 0.25 Service 19.50 8.13% *Repairing 0.50 6.25 6.50 1.25 1.25 0.50 2.50 -0.75 *Repairing 0.83% Clean Pits 2.00 2.00 Clean Pits 0.00 0.00% Unload 5 1/2" Unload 5 1/2" 0.00 0.00% Pump Water Pump Water 0,00 0.00% WO Loggers WO Loggers 1.00 0.42% Start-Up Start-Up 1.00 0.25 0,10% Test BOP Test BOP 0.25 3.50 1.46% WO Bulk Truck WO Bulk Truck 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 12.00 | 0.00 | 12.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 100.00% 37.35 ROP Footage Depth (KB): Deviation: 0.00 -169 - 343 0.25 3035 0.50 887 ----- 1427 ----- 1930 --0.75 1.00 2884 -1.25 1,50 1.75 2.00 2.25 2.50 2.75 3.00 3.25 3.50 Size MFG Foot Hrs ROP Fuel Consumption: Gal Per Day (apx) 203 gal #1A 12 1/4 Varel 333 9.75 34.2 Total Fuel Used 2028 gal 7 7/8 PL616 2245 44 51 Fuel Price: \$3.14 2 77/8 JZ 447 28.25 15.8 Surcharge: \$5,346.25 82 36.9

Contract: 14-2109

Operator:	Chase #17-1	gy MidCon, LLC																
Well:	Chase #17-1.	2-31				Tank Fuel Tank #1		ghouse/G Fuel Tank #2		13.6	Hog Fuel Tank #3	Oil	2.78	Rig Fuel Tank #4	Oil	2.25	PreMix Fuel Tank #5	Oil
Footage	Date	Dealer	Ticket#	\$/gal	Inches		Inches	Gal	qts	Inches	Gal	qts	Inches	Gal	qts	Inches	Gal	qts
	8/4/2014	Starting			32	665.6	10	64.4		27	367.2	-	13	36.1		23	51.8	
343	8/5/2014				27		· 10			23			13			23		
1014	8/6/2014				21		10			19			13			23		-
	8/6/2014	Southwind	Tk #53438	\$3.0900	55	715.0	10	0.0		63	594.0		13	0.0		23	0.0	
1805	8/7/2014				52		10			51			13			23		-
2324	8/8/2014				45		10			38			13			23		
	8/8/2014	Southwind	Tk #53454	\$3.1100	59	300.0	10	0.0		55	226.0		13	0.0		23	0.0	
2650	8/9/2014				49		10			49			13	173		23		
2757	8/10/2014				43		10			45			13			23		
2884	8/11/2014				36		10	- 1		35	- 0		13	*		23		
3029	8/12/2014				30		.10			29			13			23		
	8/12/2014	Southwind	Tk #53451	\$3.2100	55	522.0	10	0.0		62	453.0		13	0.0		23	0.0	
3035	8/13/2014				52		10			59			13		_	23		
3035	8/14/2014				50		10			57			13			23		
		-																
	8/14/2014	Ending			50	-1040.0	10	-64.4		57	-775.2		.13	-36.1		23	-51.8	
		Total Fuel Used:	2027.6			1162.6		0.0			865.0			0.0			0.0	

Fuel Cost: \$3.1367 Contract Price: \$0.5000 Surcharge / gal: \$2.6367

Total Fuel Surcharge: \$5,346.25 (Per Contract Paragraph 4.9 sub c)





VAREL BIT RECORD

			L VAREL							sowicines et a construction of the constructio	ALCOHOLOGY OF STREET				_ P/	GE	ONTERNOON OF	-	DESCRIPTION OF THE PARTY OF THE	THE RESERVE THE PARTY OF THE PA	-	OT THE OWNER AND THE	think out the best of		and the same of th
- 0	PERATO	R 5041	CE EN	erqu	The state of the s	CONTRAC	TOR	nit		Plan		RIG	# 1	C	ASE NAME		1.	1-1	SE NO.	31	SE	C. TV	NP	RGE "4-E	
0	PERATO	R REPRESE	NTATIVE	OBJECTIVE Arb	TOOPUSH	IER		COMA	MENTS / DI	RECTION	S		BL	OCK	S	URVEY	URVEY			API NUMBER					
C	COUNTRY STATE COUNTY-PARISH											LICEN	SE#		SU	B BLOCK		AT.				LEGAL DESC.			
DI PI	RILL PE <u>L</u>	(O.D. W	/EIGHT TOOL.	JT DRILL COLLAR	LENGTH 3)	6/4 6/4	2/4	PUMP NO. 1	MAKE	MC D	JOEL S	TROKE		SE	TYBE 1	RIG TYPE				OLE _	-	NDER S	SURF.	3-4- 3-5-	14
DF	RILL		EIGHT TOOL .		LENGTH	O.D.	I.D.	PUMP NO. 2	MAKE	MC	DEL S	TROKE	LINER	MUD	TYPE 2	WATER SO	DURCE		organism sur-	agera con mentions	T.	IT. SET D. DAT	E 2	9-12	-14
BIT	SIZE	WFG	TYPE IADG	SERIAL N	O. JETS/TF/ (32nds)	DEPTH	DRILLED (FT)	HRS	ROP (FT/HR)	ACC. HRS.	WOB (KIPS)	MTR	TOTAL RPM	VERT. DEV.	PUMI PRES	FLOW (GPN)		UD				LL GRA			FORN DA
NO.	(in)			NEW/RR/R	(I (Jerns)	(301	(6.1)		[t 13115)	, ,,,,,,,	(rui o)				(PSI)		WT	VIS	1	O D	CL	В	G O	R	40
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ALLIED OIL & GAS SERVICES, LLC 063567 Federal Tax I.D. #20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

GRAT BEND KS

DATE 68 - 04 - 14	SEC. 17	TWP.	RANGE 4	CALLED OUT	ON LOCATION	JOB START	
LEASE Chase	WELL#	17-12-3	LOCATION 96 % 13	SSouth Folge F	o Potwin Ks	Butles	STATE KS
OLD OR NEW (Ci	rcle one)		SOUTH ON DIAMOND			Daries.	1112
CONTRACTOR	n = =				18.19	_	
TYPE OF JOB \$	415000			OWNER			
HOLE SIZE 12 12	- MARK	TD	. 343.49	CEMENT			
CASING SIZE %			TH 343. 49	CEMENT	DISCOURS OF		_0
TUBING SIZE	-		TH 343. 47	_ AMOUNT O	RDERED 210 SX	S CLASS A	3/6 CC
DRILL PIPE			PTH	-			
TOOL			TH	-			
PRES. MAX		201000000	NIMUM	COMMON	114 010 0		
MEAS, LINE		SHO	DE JOINT	POZMIX	UB Class A	_@	
CEMENT LEFT IN	CSG.	SFT	DETORT	-		_@	
PERFS.		~		GEL	COLUMN VIA	_@	
DISPLACEMENT	21.56	Fresh	Нас	CHLORIDE	miti in	@	652.8.
				ASC/	naturals 7	ecap	. 11.
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PUMP TRUCK (CEMENT	ER Keun	Eddy + Josh Esane			_@	
# 597 1	HELPER	BrIAN	LANG	-		_@	
BULK TRUCK						_@	-
# 603 [DRIVER	Zeb sc	hwaller	_		@	-
BULK IRUCK				-		ervice	
#609-239 [DRIVER	neva	weighouse	HANDLIN		_@	-
				MILEAGE			
	RE	MARKS:		MILLAGE			
KIGMUD KAN	5 AHOA	D WIFE	ACT HOU WINDS	/	-		
Zio Class A 3	16 CC 5	Lut Rou	IN AND Released	DEPTH OF J	OB		
Plug. Displace	21.56 13	BIS Exest	320 AND SHUT		K CHARGE		
IN Cement	oid C.	10 P	140 DOWN OF	EXTRA FOO	TAGE	@	
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CHARGE TO: 504	cce. I	ENSOCOV					
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				1 DEU ELO	At shoe	_@	
				4 CENTRE	hzers	@	
To: Allied Oil & G	as Servi	ces, LLC.		1 Rubber	Plue	_@	
You are hereby req			enting equipment	2 Three		_@_	
and furnish cemen	ter and h	elper(s) to	assist owner or	1		.@	
contractor to do we	ork as is	listed Th	e above work was		2		
fone to satisfaction	n and eur	pervision o	of owner agent of				/ 33
contractor I have	read and	undassia	d the "GENERAL			The live	2 23
CEDMS AND CO	ADITION	understan	o the GENERAL	SALES TAX	(If Any)		
EKIVIS AND CO	MOLITON	NS listed	on the reverse side.	SULES INV	(II Mily)	N-	
	1)		- Ma-1:	TOTAL CHA	RGES		10/10/200
RINTED NAME	7	961	- 1 brya	DISCOUNT .	_ ^	IF PAU	D IN 30 DAYS
IGNATURE /	Din	1//	J. Co.				
IGNATURE &	1/5/10	/	6.		- Constant		



CEMENTING LOG

STAGE NO.

Company Asta C. Ether Cy. By Jean and J. San Yield 1.1/sk Density PPG Weight 1.2.3 Stat 1.2.3 Stat 1.2.3 State 1.	00000	4.14 0	Great	Rand .	/20	, 5	CEMENI DAIA;
Lease Leas							Spacer Type: Fresh 1120
Surface State St	Lease Chas	se.	77	1	Mail No 17-12	- 2	Amt. Sks Yield ft ³ /sk Density PPG
Localing DATA: Confluctor PTA Squeeze Misc Star Yield Star Y	County Bent	ter so	7		State KS		
SG. LES OND DIS MEANER RIVER STATE SQUEEZE AND CASING DATA: Conductor PTA Squeeze Misc Casing Data: Conductor PTA Squeeze Misc PTA Squeeze Misc Casing Data: Conductor PTA Squeeze Misc PTA Squeeze PTA Squeeze Misc PTA Squeeze Mi	Location 96 7	6 /35 70 /	96 To Pota	IN KS F	ield		LEAD: Pump Time Thicker Time his Type Ches 210 Class A
CASING DATA: CONCLOUR PTA Squeeze Misc Misc ATL. Surface Production Liner Liner Liner Liner Liner Misc Myse Mischell Production Liner Li	SOUTH ON	DI'A MOND	Rd Smil	e & into			
Size 8 F. Type Color Color		: Conducto	r 🗆				Amt. Sks Yield 1.22 It3/sk Density 15, 11 PPG
Size # 79	a. C.						
WATER: Load	Size 878	Type DE	W W	eight 03.0	Collar 8	Round	
Casing Depths: Top							Amt Sks Yield ft³/sk DensityPPG
Drill Pipe: Size							WATER: Lead gals/sk Tail gals/sk Total Bbls.
Drill Pipe: Size	0 . 0	_		- 2	117 119		600 01
Drill Pipe: Size	Casing Depths:	10p		Bottom _5	73.4/		Pump Trucks Used 371 BAIAN LAWO
Open Hole: Size	-						Bulk Equip. BUS ZED SCAWATTER
Open Hole: Size							
Open Hole: Size	Drill Pipe: Size		Weigh	t	Collars		
CAPACITY FACTORS: Casing: Bbls/Lin. ft							
Casing: Bbls/Lin. ftG637 Lin. ft./Bbl							Chan Type
Open Holos: Bibls/Lin. ft. Lin. ft./Bbl. Stage Collars Drill Pipe: Bibls/Lin. ft. Lin. ft./Bbl. Stage Collars Short Collars Bibls/Lin. ft. Lin. ft./Bbl. Stage Collars Bibls/Lin. ft. Lin. ft./Bbl. Special Equip. Bibls/Lin. ft. Lin. ft./Bbl. Special Equip. Disp. Fluid Type Amt Bibls. Weight PPG Perforations: From ft. to It. Amt. Mud Type Weight PPG COMPANY REPRESENTATIVE CEMENTER KEWIN BODY + Josh TSAAC TIME PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE ANNULUS TOTAL FUMPED PORT RATE FLUID FUMPED BIBLS Min. PSIGO PM RIPE ANNULUS TOTAL Pumped Per Bibls Min. BIS RAIN BEG CASING 33 (185) BIONE CIVE WITH RIG MIND ACCUSE WITH RIG MIND SOLAN	Casing:	Bbls/Lin. ft.	-0637	Lin. ft./E	Bbl. 15-70		Float: Type AFI B
Drill Pipe: Bbls/Lin. ft. Lin. ft./Bbl. Special Equip. Bbls/Lin. ft. Lin. ft./Bbl. Special Equip. Bbls/Lin. ft. Lin. ft./Bbl. Disp. Fluid Type Amt. Bbls. Weight PPG Perforations: From ft. to ft. Amt. Mud Type Weight PPG COMPANY REPRESENTATIVE CEMENTER KENIN Body + Josh Isaac TIME PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL FLUID PUmped Per RATE ELUID Pumped Per Bbls Min. Property Period Bbls Min. Property PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL Pumped Per Bbls Min. Property Period Bbls Min. Property PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL Pumped Per Bbls Min. Property PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL Pumped Per Bate Bbls Min. PROPERTY PROPERTY BROWN BROWN PROPERTY BBLS MIN. PROPERTY BROWN BROWN PROPERTY B	Open Holes:	Bbls/Lin. ft		Lin. ft./B	Bbl		Centralizers: Quantity Plugs Top Btm. /
Annulus: Bbls/Lin. ft. Lin. ft./Bbl. Special Equip. Disp. Fluid Type Amt. Bbls. Weight PPG Perforations: From ft. to Str. Amt. Mud Type Weight PPG COMPANY REPRESENTATIVE CEMENTER KEWIN BODY + Tock TSAAC TIME PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE ANNULUS FUID Time Period Bbls Min. 9:00 Pm Rig Raw 85g casing 23 cas Rig Raw 85g casing 23 cas Rig Raw 85g casing 23 cas Roam So.62 45.62 S Mixed 210 Class a 39/0 Ce. 615 Am 72.50 21.55 Shut Down Release Plug Displace. Flesh 1120	Drill Pipe:	Bbls/Lin. ft		Lin. ft./B	Bbl		
Perforations: From	Annulus:				THE APPENDIX		
COMPANY REPRESENTATIVE CEMENTER KEWIN BODY + JOSK ISAAC TIME PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL Pumped Per Time Period Bbis Min. 9:00 Pm RICE RAW BFB CASING 23 CBS RICE RAW BFB CASING 23 CBS RICE CIVE with Rig mud 136 Am So.62 45.62 S Mixed als Class A 300 CC. 615 Am 72.50 21.55 S Shut Pown Release Plug Displace Fresh 1120							Disp. Fluid Type Amt Bbls. Weight PPG
TIME PRESSURES PSI FLUID PUMPED DATA AM/PM DRILL PIPE CASING ANNULUS TOTAL Pumped Per Time Period Bbls Min. 9:00 Pm Rig Raw 85g Casing 23 casing	Perforations:	From	ft. to	0	ft. Amt		Mud Type Weight PPG
AM/PM DRILL PIPE CASING ANNULUS TOTAL FLUID Pumped Per Time Period Bis Min. 9:00 Pm REMARKS REMARKS							CEMENTER KEWIN BODY + JOSH ISAAC
AM/PM CASING ANNULUS FLUID Time Period Bhis Min. 9:00 Pm Rig Raw 889 Gasing 23 485 120 Am Bloke Circ with Rig mud 136 Am So.62 45.62 Smixed 210 Class A 390 Ce 615 Am 72.50 21.25			JRES PSI			T	REMARKS
Rig RAN 85g CASING 23 135 120 AM Bloke Circ with Rig mud 136 Am 5 4 RAN 5 AHEAD inc/ Flesh H20 600 AM 50.62 45.62 5 Mixed 210 Class A 390 Ce 615 Am 72.50 21.35 5 Shut Down Release Plug Displace Flesh 1120	AM/PM	CASING	ANNULUS	FLUID	Pumped Per Time Period	Bbls Min.	пыукна
120 Am Bloke Cive with Rig mud 136 Am 5 Head inc/ Flesh H20 600 Am 50.62 45.62 5 Mixed 210 Class A 39/0 CC 615 Am 72.50 21.88 5 Shut Down Release Plug Displace Flesh 1120	9:00 Pm						Allive ON LOCATION + Rigup
120 Am Bloke Cive with Rig mud 136 Am 5 Head inc/ Flesh H20 600 Am 50.62 45.62 5 Mixed 210 Class A 39/0 CC 615 Am 72.50 21.88 5 Shut Down Release Plug Displace Flesh 1120							Rin Ram 880 casina 22 (BS
136 Am 5 1/ RAN 5 AHRAD MA/ FIEST H20 600 AM 50.62 45.62 5 Mixed 210 Class A 3% CC 615 Am 72.50 21.33 5 Shut Down Release Plug Displace Flest 1120							111 7 11410 018 (M3/103) A3
600AM So.62 45.62 S Mixed 210 Class A 39/0 CC 615 AM 72.50 21.35 S Shut Down Release Plug Displace Fresh 1120	120 AM						Bloke Circ with Rig mud
600AM 50.62 45.62 5 Mixed 210 Class A 39/0 CC 615 Am 72.50 21.88 5 Shut Down Release Plug Displace Flesh 1120	136 Am			5		4/	RAN 5 AHORD ind Freel NOO
615 Am 72.50 21.85 5 Shut Down Release Plug Displace Fresh 1120							The state of the s
	GOOAM		50.62			5	Mixed 210 Class A 3% CC
Shutin cement Did circ	615 Am		72.50	2).38		5	Shut Down Release Plug Displace Fresh 1120
	630 Am						Shutin cement Did circ

_ BBLS.

ALLIED OIL & GAS SERVICES, LLC 063510 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:	,1
ha. & Be	11
CACATARE	64

Redacted Charge

DATE 8-13-14 SEC. 7 TWP. 2) RANGE 4	CALLED OUT	ON LOCATION 23 & ALL	JOB START	JOB FINISH
LEASE Chase WELL#171231 LOCATION Poticio	5h c mi	in and of	COUNTY	STATE
OLD OR NEW (Circle one) Einto	~) /- 3 () ().	1 12,001 120	TOTRE	177
Trinto]	
CONTRACTOR Somit Dalling #1	OWNER			-
HOLE SIZE WAR 77 T.D.	CEMENT			
CASING SIZE 5 DEPTH 2030	AMOUNT ORE	EPED 175	su Asc	27.1
TUBING SIZE DEPTH	6% AND CALL	S# Kd11 - 1	3/11/10	10 - 5-
DRILL PIPE DEPTH	01194	OH FUIL - 1	1. 4///6	191. 1)1-
TOOL DEPTH				
PRES. MAX MINIMUM	COMMON			
MEAS. LINE SHOE JOINT 42 66	POZMIX		_@	
CEMENT LEFT IN CSG.	-		@	
PERFS.	GEL		_@	
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	ASC		@	
EQUIPMENT	II Veriseri		ð. · ·	
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PUMPTRUCK CEMENTER Dosla linec	<u> </u>		4 40 50	0. 5-2
# 597 HELPER Ken FAdy	00 4		190	300 11
BULKTRUCK		Admin Barell	D	
# 599 DRIVER ZES Schwaller				t>
BULK TRUCK			^	
# DRIVER				
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pomp Bulloo	The second secon			
Displaced 75.11 bb1 &whallt 8	EXTRA FOOTA	GE		
Displaced 15.11 bbl forhers PS	MILEAGE HU	GE	@.	W. 5.3
Displand 15.11 bb1 fwham 18 for ps1	EXTRA FOOTA	GE		w 53
Displaced 15.11 bbl forhers PS	MILEAGE HU	GE	@	12/27
Dispus 15.11 Hol Kuhant PS Lund Plus PSI 11:30 Am - Ris Hown	MILEAGE HU	GE		12/2
Displand 15.11 bbl faction ps1	MILEAGE HU	GE	@	17.63
Displand 15.11 Hol twhenty ps Lind Plan psl [Vizi Am - Ris Hown	MILEAGE HU	GE	@	17.53
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Display 15.11 bbs Kushirings Light flow ps1 11:36 Am 1- Ris blown CHARGE TO: Sevec Eng., STREET ZIP To: Allied Oil & Gas Services, LLC.	BXTRA FOOTA MILEAGE HU MANIFOLD P	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Scarce Engy STREET	MANIFOLD P C - (YM) Low p	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Scarce Eng. STREET To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	BXTRA FOOTA MILEAGE HU MANIFOLD P C - (YM Line p Af U is Guide S	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Service Energy STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was	BXTRA FOOTA MILEAGE HU MANIFOLD P C - (YM L. Manuer Guide S Three	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Service Engry STREET To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	BXTRA FOOTA MILEAGE HU MANIFOLD P C - (YM L. Manuer Guide S Three	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL	BXTRA FOOTA MILEAGE HU MANIFOLD P LONG AFILE CLIMAD	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Service Engry STREET To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	PALLS TAX (III	LUG & FLOAT	@	, o i · j · - · -
CHARGE TO: Severices, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.	BXTRA FOOTA MILEAGE HU MANIFOLD P LONG AFILE CLIMAD	LUG & FLOAT	@	,oı
CHARGE TO: Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL	PALLS TAX (III	LUG & FLOAT	@	,oı



CEMENTING LOG

STAGE NO.

Date 9-13	-/L/ Distr	ict_6B	1	icket No. 63	(10)	Spacer Type: Freshwager
Company 50				ig Summit	ti i	Amt. 566/ Sks Yield 1t3/sk Density PPC
Lease Chices		51			231	TY SK DelisityP
County But				tate Ks		1
Location Pol		5 pm Di		ield 17 25	- 4	LEAD: Pump Time Thicken Tike hrs. Type ASC 2/18
Finto						6/ Japle 5# Kuch 1 3% Allic Excess
CASING DATA:	Conductor	П	РТА 🗌	Squeeze M	isc \square	Amt. 15 Sks Yield 13/sk Density 14,55 PPC
~	Surface			oduction Lir	1	
Size 52		NI III		Collar	The state of the s	Tallar timp time tills, type
Old District		710	igiti — /	Collar		Excess
						Amt.
						Ein W. r.H.
Casing Depths: 1	op		_ Bottom			Pump Trucks Used 591 - Kenn Eddy
***************************************						Bulk Equip. 595 - 76 Schwafe/
Drill Pipe: Size		Weight		Collars	-	
		The state of the s		P.B. to		Float Equip: Manufacturer
CAPACITY FACT	OBS:					
Casing:	Bbls/Lin. ft.	.0238	Lin ft /f	3bl		Shoe: Type Depth Float: Type Depth
Open Holes:				3bl		Centralizers: Quantity Plugs Top Btm.
Drill Pipe:				3bl		Stage Collars Still Still
Annulus:				3bl		Special Equip.
7 11110100						Disp. Fluid Type Amt Bbls. Weight PPG
Perforations:			Manual E	ft. Amt		Mud Type Weight PPG
r orrorations.	10111					viola type veightPPG
COMPANY REPR	ESENTATIVE					CEMENTER JOSH LIEUC
TIME	PRESSI	IRES PSI	ELL	JID PUMPED I	λτλ	T
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
230 An						to location - Rig up
			-			had gaftey meeting
			-			
						but Str casing
9200						A V C VIII
930 914						frall circulator
10 Au	0			10	6	Jump 10 661 DV 1100
	,			~	,	
10:55	160	4	15	5	6	Jump 5 bbl fresh were
10.30	100		63.93	44,43	6	111 175 SES ASC
						Orag givin
1045	600		139,04	15111	6	Displee 7511 pbl fashine
11:15						Lund flug ps1
1175						
1130						Piglon

FINAL DISP. PRES	S:	PSI	BUMP PLUG	3 TO		PSI BLEEDBACKBBLS. THANK YOU

Chase 17-12-31



Current Wellbore Schematic

FIELD:

LEGAL: 1545' FNL & 652' FWL, Sec 17 - T25S - R4E

COUNTY, STATE: Butler, KS 100.0000%

WI: RI:

API #: 15-015-24038-00-00

KB (GL) 1352' (1342')

8-5/8", 23#, S-55, STC @ 326' SURFACE CASING: PROD CASING: 5-1/2", 15.5#, S55, LTC @ 3026'

2-3/8" 4.7# JC80 8Rd EUE (EOT: 2675') **TUBING:**

SPUD: 8/4/14

RIG RELEASE:

TD: 3035' PBTD: 2982'

SUBSURFACE EQUIPMENT

1-3/4" X 2' Pony Rod, 10-3/4" X 1-1/2 X 25' K-Bars; 94-3/4" Rods; 1-6' Pony Rod

1-4' Pony Rod; 1-2' Pony Rod--1-1/4"X 16 Polish Rod W/1-1/2" X 8' Polish Rod Line

1-1/2" Top Hold Down Pump w/ 1' Strainer Nipple

3' Perf Sub

Seat Nipple and Tubing Anchor 6' Mud Anchor w/ Bull Plug

WELL HISTORY

	WELL HISTORY
DATE	ACTION
8/4/14	Spud well at 10:40am
8/13/14	Drilled and Cased Well
8/18/14	Ran CBL
8/19/14	Perforated 2612'-2624'; pumped 1,500 gal 15% MCA
8/21/14	Pumped 3,000 gal 15% HCl
8/23/14	Perforated 2612'-2618'
La	ast Updated By: Charles Dalton 9/10/14

12-1/4" Hole 8-5/8", 23#, S-55, STC @ 326' Cmt w/210 sx Class 'A' + adds TOC @ 1542' MD (CBL Dated 8/18/2014) 84 jnts of 2-3/8" tubing 4.7# JC80 8Rd EUE Rods (details in "Subsurface Equipment") Tubing Anchor set at 2576' Perforated 2612'-2624' Pump 3' Perf Sub set at 2669' Seat Nipple Strainer Nipple Mud Anchor Bull Plug 5-1/2", 15.5#, S55, LTC @ 3026' Cmt w/175 sx Class 'A' + adds PBTD: 2982'

TD: 3035'