

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1085649

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 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW	Producing Formation:
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	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	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Paymit #:	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	·
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
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:				_ Lease I	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
open and closed, flow and flow rates if gas to	ring and shut-in presson surface test, along	sures, whether with final chart	shut-in pre (s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	tic pressures, bot d.	tom hole temp	erature, fluid	recovery,
						ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital elec	tronic log
Drill Stem Tests Taker (Attach Additional S		Yes	No				on (Top), Depth ar			
Samples Sent to Geo	logical Survey	Yes	☐ No		Nam	e		lop	Datu	m
Cores Taken Electric Log Run		Yes Yes	☐ No ☐ No							
List All E. Logs Run:										
	0	· ·				·		T "0 1	I	
Purpose of String	Size Hole Drilled					Setting Depth	Type of Cement	# Sacks Used		
		Al	DDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD				
Purpose:	In a part of the property of t									
Perforate Protect Casing	Top Bottom									
Plug Back TD Plug Off Zone										
r lug on zone										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	p questions 2 ar	nd 3)	
Was the hydraulic fractur	ing treatment information	on submitted to th	ne chemical o	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Footage of Each					cture, Shot, Cement		d	Depth
	Эреспу	1 Oolage of Lacif	iliterval Feli	Orated		(A	THOURT AND KIND OF MA	teriai Oseu)		Берит
TUBING RECORD:	Size:	Set At:		Packer A	+-	Liner Run:				
TOBING FILEGORIS.	0.20	001711.		r donor 7	••	[Yes No			
Date of First, Resumed	Production, SWD or EN	NHR. Pro	oducing Meth		a \Box	Coo Lift 0	Other (Evelein)			
Estimated Dradustics	0.11	Dhla	Flowing	Pumpin			Other (Explain)	Nee Oil D-#-		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	eı B	bls. C	Gas-Oil Ratio	G	iravity
	ON OF GAS:	Open		METHOD OF Perf.			nmingled	PRODUCTION	ON INTERVAL:	
Vented Sold	Used on Lease bmit ACO-18.)		(Specify)	_ 1 011.	(Submit		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	HOSTETLER 3107 30-1
Doc ID	1085649

Tops

Name	Тор	Datum
Cherokee Group	4251	
Mississippi	4376	
Compton	4619	
Kinderhook	4630	
Woodford Regional	4694	
Viola	4739	
Simpson Group	4761	
Arbuckle	4881	

CEMENT JOB REPORT



	SHELL V	VEST	ERNE&PINC		DATE 04	1-JUN-12	F.R	K. #	10019136	10		SE	RV. SUPV.	JUA	NDN	MESTAS		
LEASE & WE HOSTETLI			API 15077217	610000	LOCATION 30-31S		,						UNTY-PAF Harper Kans		LOCI	K		
DISTRICT McAlester					DRILLING Nabors		ACTOR	RIG#					PE OF JOE Surface	3				
SIZE	& TYPE C	F PL	UGS	LIST	CSG-HARE	WARE		MEC	HANICAL	BARRIE	RS	MD	TVD	HANG	ER T	YPES	MD	TVD
9-5/8" Top C	em Plug, i	Vitrile	cvr, Phe	Float Shoe 9	9-5/8 - 8rd													
										P	HYSI	CAL SI	URRY PR	OPER	TIES			
MATERIA	LS FURNI	ISHE	D BY BJ		LA	B REPO	RT NO.	SAC OI CEMI	F ۱	LURRY WGT PPG	Y	URRY LD T	WATER GPS	_	IMP ME MIN	Bb SLURR		BbI MIX WATER
C + Additive	s								500	14.8		1.35	6.3	4 02:	:45	119.	89	75.4
Displaceme	nt									8.34						54.	89	
Water										8.34							20	
Available M	ix Water		450	Bb	I. Availa	ble Displ	. Fluid		500	Bb	ol.		то	TAL	Ī	194.	78	75.4
	HOLE					ТВ	G-CSG-	D.P.							LLAR	DEPTH		
SIZE	% EXC		DEPTH	ID	OD W	ST.	TYPI		MD	TVD	GRA	DE	SHOE			OAT		TAGE
12.25			750	8.921	9.625	36 CS	iG		750	750			75	7.5		708.9		
	LAST CAS				PKR-CMT					. DEPTH			CONN			ELL FL	UID	
ID OD 17. 18	WGT 84	TYPE		TVD 60	BRAND &	TYPE	D	EPTH	TOP	ВТМ			THREAD 8 RND			ASED M	/I I	WGT. 8.
, ,										<u> </u>			OTAND	الكريرا		AOLD IV		
DISPL. VO	1			PL. FLUID	CAL.				OP. MAX	_		G PSI		MAX CS	1		١,	MIX WATER
			TYPE	WG'	T. BUMP	PLUG	TO RE	ΞV. ∣	SQ. PSI	RATE	ED	Operat	or RA	ΓED	Op	erator		
VOLUME	UOM																	
VOLUME 54.9		Dis	placement	8	3.34	350		0	()	0		0	3520		2816	RIG	i
		Disp		8	3.34	350		0	()	0		0	3520		2816	RIG	i
54.9	BBLS		placement				TOCE)	0		0	3520		2816	RIG	i
54.9	BBLS						TO CE)	0		0	3520		2816	RIG	
54.9	BBLS		placement SETTING TO		G CSG, ET		TO CE				0		0 EXPLANA			2816	RIG	
54.9 EXPLANATIO	BBLS ON: TROU	BLE	placement SETTING TO	OOL, RUNNING E/RATE DETA RATE	G CSG, ETC	C. PRIOR	.UID	MENTI				ew X		TION		2816	RIG	
54.9	BBLS ON: TROU	BLE	SETTING TO	OOL, RUNNIN	G CSG, ETC	C. PRIOR		SAFI TEST	NG: ETY MEE I LINES	TING: B	J CRE	PSI	EXPLANA CO. REP	TION		2816	RIG	
54.9 EXPLANATION TIME HR:MIN.	BBLS ON: TROU	BLE	SETTING TO PRESSURI RE - PSI ANNULUS	POL, RUNNING E/RATE DETA RATE BPM	G CSG, ETC	D FL	.UID	SAFI TEST	NG: ETY MEE I LINES ULATING	TING: B.	J CRE	PSI	EXPLANA	TION		2816	RIG	
54.9 EXPLANATION TIME HR:MIN. 17:30	BBLS ON: TROU	BLE	SETTING TO PRESSURI RE - PSI ANNULUS	POL, RUNNING E/RATE DETA RATE BPM 0	G CSG, ETC	D FL	.UID	SAFI TEST CIRC	NG: ETY MEE I LINES ULATING VED O N	TING: B	J CRE 3000 RIG	PSI X	EXPLANA CO. REP	TION		2816	RIG	
TIME HR:MIN. 17:30 17:35	BBLS ON: TROU	BLE	PRESSURI RE - PSI ANNULUS 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0	G CSG, ETC	D FL 0 0 0 0 0	.UID	SAFI TEST CIRC ARRI	NG: ETY MEE I LINES ULATING VED O N	TING: B.: SWELL - LOCATIO	J CRE 3000 RIG ON WAL	PSI X K ARO	EXPLANA CO. REP	TION		2816	RIG	
TIME HR:MIN. 17:30 17:35 21:00	BBLS ON: TROU	BLE SSU 0 0	PRESSURI RE - PSI ANNULUS 0 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0 0	G CSG, ETC	D FL TY 0 0 0 0 0 0 0 0 0	.UID	SAFI TEST CIRC ARRI' HAZA	NG: ETY MEE I LINES ULATING VED O N RD ASSE	TING: B. SWELL - LOCATION ESMENT THROUGH	J CRE 3000 · RIG ON WAL	PSI X K ARO	EXPLANA CO. REP	TION		2816	RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20	BBLS ON: TROU	8SSU 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0	G CSG, ETC	D FL TY 0 0 0 0 0 0 0 0 0 0 0 0	.UID	SAFI TEST CIRC ARRI' HAZA CIRC	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED D SAFTY!	TING: B. WELL - LOCATION ESMENT THROUGH	J CRE 3000 RIG ON WAL GH TO	PSI X K ARO OOL H RIG	EXPLANA CO. REP BJ UND CREW	TION		2816	RIG	
TIME HR:MIN. 17:30 17:35 21:00	PRE PIPE	BLE SSU 0 0	PRESSURI RE - PSI ANNULUS 0 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0 0 0	G CSG, ETO	D FL TY 0 0 0 0 0 0 0 0 0	.UID	SAFI TEST CIRC ARRI' HAZA CIRC HELD	NG: ETY MEE I LINES ULATING VED O N RD ASSE	TING: B. WELL - LOCATION ESMENT THROUGHETING ND LINE	J CRE 3000 RIG ON WAL GHTC GWIT	K ARO OOL THRIG 2500 F	EXPLANA CO. REP BJ UND CREW	TION		2816	RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13	PRE PIPE	0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 0	G CSG, ETO	D FL 0 0 0 0 0 0 0 0 0 0 0 0 H20	-UID YPE	SAFI TEST CIRC ARRIV HAZA CIRC HELD TEST PUMF	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED 0 SAFTY I	TING: B. WELL - LOCATION ESMENT THROUGH MEETING ND LINE: WATER	J CRE 3000 ON WAL SHTC SYNTO	K ARO DOL H RIG 2500 F	EXPLANA CO. REP BJ UND CREW	TION		2816	RIG	
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TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21	PRE PIPE	BLE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0	POL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 2.8 6.3	G CSG, ETO	D FL TY 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT	-UID YPE	SAFI TEST CIRC ARRI' HAZA CIRC HELD TEST PUMF PUMF SHUT	NG: ETY MEE I LINES ULATING VED O N IRD ASSI ULATED D SAFTY I PUMP A P FRESH P SLURR DOWN	TING: B. S WELL - LOCATION ESMENT THROUGH MEETING ND LINE: WATER Y @ 14.8	J CRE 33000 ON WAL 3 WIT S TO SPAG	K ARO DOL H RIG 2500 F	EXPLANA CO. REP BJ UND CREW	X	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44	PRE PIPE	BLE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 2.8 6.3 0	G CSG, ETC	D FLO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-UID YPE	SAFI TEST CIRC HELD TEST PUMF SHUT DROF	NG: ETY MEE I LINES ULATING VED O N IRD ASSI ULATED D SAFTY I PUMP A P FRESH P SLURR DOWN	TING: B. SWELL - LOCATION ESMENT THROUGH MEETING ND LINE: WATER Y @ 14.8	J CRE 33000 ON WAL 3 WIT S TO SPAG	K ARO DOL H RIG 2500 F	EXPLANA CO. REP	X	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48	PRE PIPE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DET/ RATE BPM 0 0 0 0 2.8 6.3 0 3.5	G CSG, ETC	C. PRIOR D FL TY 0 0 0 0 0 0 0 0 0 0 H20 20 H20 0 CMT 0 CMT 0 H20 20 H20 30 H20	-UID YPE	SAFI TEST CIRC HAZA CIRC HELD TEST PUMF PUMF SHUT DROF	NG: ETY MEE I LINES ULATING VED O N RD ASSE ULATED PSAFTY! PUMP A PFRESH PSLURR DOWN	TING: B. SWELL - LOCATION ESMENT THROUGH MEETING ND LINE: WATER Y @ 14.8	J CRE 33000 ON WAL 3 WIT S TO SPAG	K ARO DOL H RIG 2500 F	EXPLANA CO. REP	X	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48 22:53 22:55 22:59	PRE PIPE	BLE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 2.8 6.3 0 3.5 5 3.7 3.77	G CSG, ETC	C. PRIOR D FL TY 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT 0 CMT 0 H20 20 H20 30 H20 40 H20 40 H20	-UID YPE	MENTI SAFI TEST CIRC HELD TEST PUMF PUMF SHUT DROF INCRI SLOW	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED SAFTY I PUMP A P FRESH DOWN TOP PL EASE RA V RATE LIFT PRE	TING: B. WELL - LOCATION THROUGH WEETING ND LINE WATER Y @ 14.8 UG AND	J CRE 33000 ON WAL 3 WIT S TO SPAG	K ARO DOL H RIG 2500 F	EXPLANA CO. REP	X	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48 22:53 22:55 22:59 23:00	PRE PIPE	BLE SSSU 0 0 0 0 0 1330 0 2240 3370 3880 4000 3330	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 2.8 6.3 0 3.5 5 3.7 3.77 2	G CSG, ETO	D FL 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT 0 H20 20 H20 30 H20 40 H20 41 H20 41 H20 41 H20 41 H20 41 H20	-UID YPE	SAFI TEST CIRC HELD TEST PUMF SHUT DROF INCR SLOW	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED P SAFTY I PUMP A P FRESH P SLURR DOWN P TOP PL EASE RA V RATE LIFT PRE V RATE	TING: B. WELL - LOCATION SMENT THROUG MEETING ND LINE: WATER Y @ 14.8 UG AND TE	J CRE 33000 RIG ON WAL S TO SPAG PPG	K ARO DOL THRIG 2500 F CEER	EXPLANA CO. REP	X	RFA		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48 22:53 22:55 22:59 23:00 23:04	PRE PIPE	BLE SSSU 0 0 0 0 0 2000 4300 0 370 3880 4000 3330 9000	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 0 2.8 6.3 0 3.5 5 3.7 3.77 2 2	G CSG, ETO	C. PRIOR D FL TY 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT 0 CMT 0 H20 20 H20 30 H20 31 H20 33 H20	-UID YPE	SAFI TEST HAZA CIRC HELD TEST PUMF SHUT DROF INCRI SLOW SEE L SLOW BUMF	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED D SAFTY! PUMP A P FRESH DOWN P TOP PL EASE RA V RATE V RATE V RATE P TOP PL	TING: B. WELL - LOCATION SMENT THROUCH WEETINC ND LINE: WATER Y @ 14.8 UG AND TE SSURE UG TO 1	J CRE 3000 RIG ON WAL SHITC S TO DISF	K ARODOL H RIG 2500 F CEER PLACE	EXPLANA CO. REP BJ CUND CREW PSI	TOSU	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48 22:53 22:55 22:59 23:00	PRE PIPE	BLE SSSU 0 0 0 0 0 1330 0 2240 3370 3880 4000 3330	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 2.8 6.3 0 3.5 5 3.7 3.77 2	G CSG, ETO	D FL 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT 0 H20 20 H20 30 H20 40 H20 41 H20 41 H20 41 H20 41 H20 41 H20	-UID YPE	SAFI TEST HAZA CIRC HELD TEST PUMF SHUT DROF INCRI SLOW SEE L SLOW BUMF	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED D SAFTY! PUMP A P FRESH DOWN P TOP PL EASE RA V RATE V RATE V RATE P TOP PL	TING: B. WELL - LOCATION SMENT THROUCH WEETINC ND LINE: WATER Y @ 14.8 UG AND TE SSURE UG TO 1	J CRE 3000 RIG ON WAL SHITC S TO DISF	K ARODOL H RIG 2500 F CEER PLACE	EXPLANA CO. REP	TOSU	RFAG		RIG	
TIME HR:MIN. 17:30 17:35 21:00 21:20 22:13 22:14 20:21 22:44 22:48 22:53 22:55 22:59 23:00 23:04	PRE PIPE	BLE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESSURI RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	©OL, RUNNING E/RATE DETA RATE BPM 0 0 0 0 0 2.8 6.3 0 3.5 5 3.7 3.77 2 2	G CSG, ETO AIL BBI. FLUI PUMPED 12 12 12 12 13 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	C. PRIOR D FL TY 0 0 0 0 0 0 0 0 0 0 H20 20 H20 20 CMT 0 H20 20 H20 30 H20 31 H20 31 H20 31 H20 31 H20 42 H20	-UID YPE	SAFI TEST CIRC HELD TEST PUMF SHUT DROF INCRI SLOW SEE L SLOW BUMF BLEE	NG: ETY MEE I LINES ULATING VED O N RD ASSI ULATED SAFTY I PUMP A PRESH DOWN TOP PL EASE RA V RATE V RATE TOP PL	TING: B. WELL - LOCATION SMENT THROUG MEETING ND LINE: WATER Y @ 14.8 UG AND UTE SSURE UG TO 1 SURE .5 I	J CRE 30000 • RIG ON WAL S TO SPAG PPG DISF	K ARO OOL H RIG 2500 F CEER PLACE	EXPLANA CO. REP BJ CUND CREW PSI	TOSU			RIG	

CEMENT JOB REPORT



EASE & WE	LL NAME		ERN E & P II		_	E ₁₈₋ J					C	OUNTY-PA	RISH	H-BLOCI	K		
	ER 3107 #	30-1 -	API 150772	17610000		0-31S-7\						Harper Ka		3			
McAlester						LING Collabors 10	ONTRACTOR 2	RIG#			TY	PE OF JO Intermedia					
SIZE	& TYPE O	PLU	GS	LIS	T-CSG-F	ARDW/	ARE	MEC	CHANICAL	BARRIE	RS MD	TVD	HA	NGER T	YPES	MD	TVE
" Top Cem	Plug, Nit	rile cv	vr, Phen	Shoe PRO	OVIDED	BY CU	JSTOMER										
										PH	YSICAL SI	URRY PR	OPE	RTIES			
MATERIA	LS FURNIS	SHED	BY BJ			LAB	REPORT NO.	0	F V	URRY NGT PPG	SLURRY YLD FT	WATER		PUMP TIME HR:MIN	Bbl SLURR	State Division	BbI MIX WATER
SEAL BON	D								The state of the s	8.45			T			40	
15:85:8(PO	Z,C,GEL	+10%	%SALT+.6%	6SMS+4#	KOLSE	P		1	1,065	12.4	2.45	13.	51	05:00	464	1.1	342.
50:50:2(PO	Z,C,GEL	+5%	SALT+3%F	L52+.15%	6XMX				80	14.2	1.32	5.0	66	05:00		19	10.
WATER										8.34					1	94	
Available Mi	x Water		1000	E	Bbl. A	vailable	Displ. Fluid		1000	Bbl		тс	TAL	- 1	717	7.1	353.
	HOLE						TBG-CSG-	D.P.					C	COLLAR	DEPTHS	3	
SIZE	% EXCE	SS	DEPTH	ID	OD 7	WGT.		E	MD		GRADE	SHOE			OAT	S	TAGE
8.75			4970	6.366	7		23 CSG		4965	4965			965		4919		
ID OD I	LAST CAS	ING	MD	TVD		CMT RE	T-BR PL-LINE	ER		DEPTH		P CONN THREAD	-	TYPE	VELL FLU	JID	WGT.
8.9 9.625	36	ITE	75		DRAM	ID & ITT		JEF IN	4600	4600		8RD	1		BASED	MU	WG1.
DICDL VO	LUME	EXT	DISF	PL. FLUID		CAL. PS	SI CAL. MA	X PSI	OP. MAX	MA	X TBG PSI		MAX	K CSG P	SI		MIX VATER
DISPL. VO									THE RESERVE OF THE PARTY OF THE								
VOLUME	UOM		TYPE	W	GT. B	UMP PL	UG TO RI	EV.	SQ. PSI	RATE	D Opera	tor RA	TED	Or	perator		MILIN
		WAT		W	8.34	10		EV.	SQ. PSI	RATE	D Opera	tor RA	507	-		RIG	
VOLUME 194 XPLANATIO	BBLS N: TROUE	BLE SI	ETTING TOO	DL, RUNNIN	8.34 NG CSG,	10 ETC. PI	95 RIOR TO CEN	MENTIN	G: ARRIV	E ON LO	CATION, W	AIT ON RI	G TION	72 N			
VOLUME 194	BBLS N: TROUE	BLE SI F SSURI	ETTING TOO	DL, RUNNIN	8.34 IG CSG,	10	95	SAF	G: ARRIV ETY MEET T LINES	E ON LO	CATION, W	EXPLANA CO. REF	G TION	72 N			
VOLUME 194 EXPLANATIO TIME HR:MIN.	BBLS N: TROUE	BLE SI F SSURI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA	8.34 IG CSG,	ETC. PI	95 RIOR TO CEN	SAFI TEST	G: ARRIV ETY MEET T LINES CULATING	E ON LO	CREW X 500 PSI RIG X	EXPLANA CO. REF	G TION	72 N			
VOLUME 194 EXPLANATIO	BBLS N: TROUE	BLE SI F SSURI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA	8.34 IG CSG,	ETC. PI	95 RIOR TO CEN	SAFI TEST CIRC	G: ARRIV ETY MEET T LINES	TING: BJ 4 WELL - OCATIO	CREW X 500 PSI RIG X	EXPLANA CO. REF	G TION	72 N			
VOLUME 194 EXPLANATIO TIME HR:MIN.	BBLS N: TROUE	BLE SI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA	8.34 IG CSG,	ETC. PI	95 RIOR TO CEN	SAFI TEST CIRC ARRI	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE	TING: BJ 4 WELL - OCATIO TING	CREW X 500 PSI RIG X	EXPLANA CO. REF	G TION	72 N	3500	RIG	
TIME HR:MIN. 21:00 13:30	PRES PIPE	BLE SI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DET/ RATE BPM	8.34 IG CSG,	ETC. PI	PRIOR TO CEN	SAFI TEST CIRC ARRI SAFI TEST FINIS	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES,	WELL - OCATIO TING SEAL BO, START	CREW X 500 PSI RIG X N OND PUM TAIL SLU	EXPLANA CO. REF	507 G TION RIG	N (3500 T LEAD	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33	PRES PIPE	BLE SI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DET/ RATE BPM	8.34 NG CSG, AIL Bbi. PUI	FLUID MPED	PRIOR TO CENTER TYPE WATER	SAFE TEST CIRC ARRI SAFE TEST FINIS CUS	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER (WELL - OCATIO TING SEAL BO, START ON LOCA	CREW X 500 PSI RIG X N OND PUM TAIL SLU	EXPLANA CO. REF BJ PED BY JRRY, LE	FIG. AD (, STAR	3500 T LEAD	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19	PRES PIPE	BLE SI	ETTING TOO PRESSURE/	DL, RUNNIN RATE DET/ RATE BPM	8.34 NG CSG, AIL Bbi. PUI	FLUID MPED 405	FLUID TYPE WATER LEAD	SAFI TEST CIRC ARRI SAFI TEST FINIS CUS'	G: ARRIV	WELL - OCATIO TING SEAL BO , START ON LOC/ SLURRY	CREW X 500 PSI RIG X N OND PUM TAIL SLU	EXPLANA CO. REF BJ PED BY JRRY, LE	FIG. AD (, STAR	3500 T LEAD	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19	PRES PIPE 444 8 5 18	BLE SI F SSURI 00 00 00	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbi. PUI	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL	SAFI TEST CIRC ARRI SAFI TEST FINIS CUST	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER C SH TAIL S W DOWN	TING: BJ 4 WELL - OCATIO TING SEAL BO , START DN LOCA GLURRY	CREW X 500 PSI RIG X N OND PUN TAIL SLU ATION , DROP P	EXPLANA CO. REF BJ PED BY JRRY, LE	FIG. AD (, STAR	3500 T LEAD	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19 16:26 17:07	PRES PIPE 444 8 5 18	BLE SI F SSSURI 000 000 000	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbl. PUI	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL WATER	SAFI TEST CIRC ARRI SAFE TEST FINIS CUST FINIS SLOV BUM BLEE	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER C SH TAIL S W DOWN P PLUG, ED OFF R	WELL - OCATIO TING SEAL BO START ON LOCA SLURRY I TO BUI PRESSI RECIVED	CREW X 500 PSI RIG X N OND PUN TAIL SLU ATION , DROP P	EXPLANA CO. REF BJ PED BY JRRY, LE LUG AND	507 G TION RIG	, STAR	T LEAD HORT A	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19 16:26 17:07 17:13	PRES PIPE 444 8 5 18	000 000 000 000 000 000 000 000 000 00	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbl. PUI	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL WATER WATER	SAFE TEST FINIS CUST FINIS SLOW BUM BLEE	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER O SH TAIL S W DOWN P PLUG, ED OFF R	WELL - OCATIO TING SEAL BO START ON LOC/ SLURRY I TO BUI PRESSI RECIVED	CREW X 500 PSI RIG X N OND PUM TAIL SLU ATION , DROP P MP PLUG JRE TO 2 0 1.5 BBL	EXPLANA CO. REF BJ IPED BY IRRY, LE LUG AND 200 PSI S BACK	FIGNAD (INC.)	, STAR CUT SH	T LEAD HORT A	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19 16:26 17:07 17:13	PRES PIPE 444 8 5 18	000 000 000 000 000 000 000 000 000 00	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbl. PUI	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL WATER WATER	SAFI TEST CIRC ARRI SAFE TEST FINIS CUS' SLOV BUM BLEE FLOA RECI	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER C SH TAIL S W DOWN P PLUG, ED OFF R ATS HOLI IVED 225	WELL - OCATIO TING SEAL BO , START DN LOC/ SLURRY I TO BUI PRESSI RECIVED DING BBLS C	CREW X 500 PSI RIG X N OND PUN TAIL SLU ATION , DROP P MP PLUG URE TO 2 0 1.5 BBL	EXPLANA CO. REF BJ IPED BY IRRY, LE LUG AND 200 PSI S BACK	FIGNAD (INC.)	, STAR CUT SH	T LEAD HORT A	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19 16:26 17:07 17:13	PRES PIPE 444 8 5 18	000 000 000 000 000 000 000 000 000 00	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbl. PUI	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL WATER WATER	SAFE TEST CUST FINIS SLOVE BUMBLEE FLOW RECITAL	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER (SH TAIL S W DOWN P PLUG, ED OFF R ATS HOLI IVED 225 NK YOU F	WELL - OCATIO TING SEAL BO , START DN LOCA SLURRY TO BUIL PRESSI RECIVED DING BBLS C	CREW X 500 PSI RIG X N OND PUN TAIL SLU ATION , DROP P MP PLUG URE TO 2 0 1.5 BBL DF CEMEN	EXPLANA CO. REF BJ PED BY JRRY, LE LUG AND 200 PSI S BACK	FIGNAD (INC.)	, STAR CUT SH	T LEAD HORT A	RIG	IRRY
TIME HR:MIN. 21:00 13:30 14:33 16:19 16:26 17:07 17:13	PRES PIPE 444 8 5 18	BLE SI F SSURI 000 000 000 000 000	ETTING TOO PRESSURE/	DL, RUNNIN RATE DETA RATE BPM	8.34 NG CSG, AIL Bbi. PUI 5 3 5 3 TSS/	10 ETC. PI FLUID MPED 405 19	FLUID TYPE WATER LEAD TAIL WATER WATER	SAFE TEST CUS' FINIS SLOVE BUM BLEE FLOW THAN JUST	G: ARRIV ETY MEET T LINES CULATING IVE ON L ETY MEE T LINES, SH LEAD, TOMER (SH TAIL S W DOWN P PLUG, ED OFF R ATS HOLI IVED 225 NK YOU F	WELL - OCATIO TING SEAL BO , START DN LOC/ SLURRY I TO BUI PRESSI RECIVED DING BBLS C FOR USI	CREW X 500 PSI RIG X N OND PUN TAIL SLU ATION , DROP P MP PLUG URE TO 2 0 1.5 BBL	EXPLANA CO. REF BJ PED BY IRRY, LE LUG AND 200 PSI S BACK	G TION RIG. AD () DIS	, STAR CUT SH	T LEAD HORT A	RIG	IRRY

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

August 07, 2012

Damonica Pierson Shell Gulf of Mexico Inc. 150 N DAIRY-ASHFORD (77079) PO BOX 576 (77001-0576) HOUSTON, TX 77001-0576

Re: ACO1

API 15-077-21761-00-00 HOSTETLER 3107 30-1 SW/4 Sec.30-31S-07W Harper 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, Damonica Pierson