

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1089244

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:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from	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 D	epth:
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:		
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
Plug Back	Conv. to G		(Data must be collected from to		
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls
Dual Completion			Dewatering method used:_		
SWD			Location of fluid disposal if	hauled offsite:	
ENHR	Permit #:				
GSW	Permit #:		Operator Name:		
			Lease Name:		
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 Name: _ _ Well #: _ County: _ INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF). **Drill Stem Tests Taken** No Loa Formation (Top), Depth and Datum Sample | Yes (Attach Additional Sheets) Name Top Datum No Samples Sent to Geological Survey Yes ☐ No Yes
 Yes
 ■
 Yes
 ■
 Yes
 ■
 Nes
 Nes Cores Taken Electric Log Run ___ Yes No List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) No Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? (If No, fill out Page Three of the ACO-1) Yes PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated Depth (Amount and Kind of Material Used) TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No Date of First, Resumed Production, SWD or ENHR. Producing Method: Flowing Pumping Gas Lift Other (Explain) **Estimated Production** Oil Bbls Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours METHOD OF COMPLETION: **DISPOSITION OF GAS:** PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Croft Farms 3407 30-1
Doc ID	1089244

Tops

Name	Тор	Datum
Cherokee	4593	
Mississippi	4755	
Compton	5135	
Kinderhook	5143	
Woodford	5204	
Viola	5231	
Simpson	5275	
Arbuckle	5489	

SHELL GULF OF MEXICO, INC. (34574)	Croft Farms	3407 -30-1
PETE MARTIN DRILLING (34645) (SET THE CONDUCTOR)	SWD conductor	SWD Mouse Hole
Call in DATE OF SPUD	3/29/2012	3/29/2012
spud in date	3/30/2012	4/1/2012
T.D date	3/30/2012	4/2/2012
Size Hole Drilled	26" Diam	20"
Size Casing Set (in O.D)	18"	14"
conductor wall thickness	.250	.118
Weight Lbs./Ft.	47.44 ppf	27.76 ppf
Setting Depth	60'	77'
	Type 1\2 portland cement	Type 1\2 portland cement
Type of Cement		
Cubic yards of cement	5 cu yds	5 cu yds
2500 PSI Grout Mix	Yes	yes
Type and Percent of Additives	15% Fly ash	15% Fly ash
Comments	0'-12'dirt 12'-60' hard clay hit a little water at 25'	0'-12'dirt 12'-60' hard clay hit a little water at 25'

CEMENT JOB REPORT



	SHELL V	VEST	ERN E & P I	IC	DATE 26-N	AY-12	F.R. #	10019113	41		-	V. SUPV.		4444	MAESTA		
EASE & WEL		4 1	4 45	7040070000	LOCATION COUNTY-PARISH-BLOCK 30.34S-7W Harper Kansas												
CROFT FA	RMS 340	/ #30-	-1 - API 1507	/2180/0000	30-34S-7\ DRILLING C		OR RIG #				-	E OF JOI				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
McAlester					DIVILLING O	DIVITIONOT	on no				S	urface					
SIZE 8	TYPE O	F PLL	JGS	LIST-	SG-HARDWA	RE	MEC	HANICAL	BARRIE	RS	MD	TVD	HANG	SER T	YPES	MD	TVE
				Float Collor	Auto Fill, 9-5	18 8rd											
9-5/8" Top Ce	em Plug,	IVITLII	e cvr, Pne			0-014	-										
	_			Float Shoe	9-0/0 - 0/0				DI	TASIC/	1 5111	RRY PR	OPERT	IES			
										110107	C OLO	ruti i it					
MATERIAL	S FURNIS	SHED	BY BJ		LAB	REPORT N	0	F	LURRY WGT PPG	SLU YL F1	D	WATER	TI	UMP IME :MIN	SLURI		BbI MIX WATER
C + Additive	e							500	14.8		1.35	6.	34 02	2:45	119	9.89	75.
									8.34	*************					58	3.76	
Displacemer	14								8.34		1					20	
Water			150	_	A 11.1	Disut Et	:-1	500	Bl	n1		ngs 20	7741	-	109	3.64	75.
Available Mix	Water_		450	Bb	. Available	Displ. Flu		300	DI	et.		10	DTAL	II AP	DEPTH		10.
	HOLE				on Wor	TBG-CS	SG-D.P. YPE	MD	TVD	GRAI)E	SHOE			OAT		STAGE
SIZE	% EXC	SS	DEPTH 800		op wgt 9.625	36 CSG	YPE	800	800	GIVAL	2 ha	3,102			.07.(1		
12.25			000				INED		. DEPTH		TOP	CONN		V	VELL FL	UID	
	AST CAS	ING TYPE	MD		PKR-CMT RE BRAND & TY	Commence of the Control of the Control	DEPTH	TOP	BTM	S		THREAD	TY	PE			WGT.
17. 18	84	IIEE		60 60	DIVAND OCT						0.625	BRND			BASED	MU	8
m.140.001 17.001	LIBSE		DISI	L. FLUID	CAL. P	SI CAL.	MAX PSI	OP. MAX	NA.	AX TBO	PSI		MAX C	SG P	SI		MIX
DISPL. VO	LOIVIL				-			W1 1 100 D									WATER
VOLUME	UOM	Dis	TYPE			LUG TO	REV.	SQ. PSI	RATI	0	perato	0 R/	3520	+	2500	RIC	
VOLUME 61.3	BBLS		TYPE	8		250	0	SQ. PSI	RATI		perato			+			WATER
VOLUME 61.3	BBLS		TYPE	8	CSG, ETC. P	250	O	SQ. PSI	RATE	0	E	0 XPLANA	3520 TION	+			
VOLUME 61.3	BBLS N: TROUE	BLES	TYPE	DL, RUNNING	CSG, ETC. P	RIOR TO C	0 SAF	SQ. PSI	RATE	0	E	0 XPLANA	3520 TION	+			
VOLUME 61.3 EXPLANATION	BBLS N: TROUE	BLES	TYPE placement setting too pressure	DL, RUNNING	CSG, ETC. P	RIOR TO C	0 SAF	G: FETY MEE T LINES	RATIO	0 J CREV 2500	E X X	XPLANA CO. REI	3520 TION	+			
VOLUME 61.3 EXPLANATION TIME	BBLS N: TROUE	BLES	TYPE Diacement SETTING TOO PRESSURE RE - PSI	DL, RUNNING FRATE DETAIL RATE	CSG, ETC. PI	RIOR TO C	O SAF	G: EETY MEE T LINES CULATING	RATIO	0 J CREV 2500 I	E V X	0 XPLANA	3520 TION	+			
VOLUME 61.3 EXPLANATION TIME	BBLS N: TROUE	BLES	TYPE Diacement SETTING TOO PRESSURE RE - PSI	DL, RUNNING FRATE DETAIL RATE	CSG, ETC. PI Bbi. FLUID PUMPED 0	PRIOR TO C	O SAF TES CIRC	G: EETY MEET LINES CULATING IVED ON	RATIOD STING: B	0 CREV	E X	XPLANA CO. REI	3520 TION	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN.	BBLS N: TROUE	BLES	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS	DL, RUNNING PRATE DETAIL RATE BPM 0 0	CSG, ETC. PI Bbi. FLUID PUMPED 0	PLUIC TYPE	O SAF TES CIRC ARR	G: ETY MEE T LINES CULATING IVED ON ARD AS:	RATIOD STING: BE WELL N LOCAT SESMEN	0 CREV 2500 III- RIG	V X PSI X	XPLANA CO. REI	3520 TION	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30	BBLS N: TROUE	BLE S	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0	DL, RUNNING PRATE DETAIL RATE BPM 0 0 0	CSG, ETC. PI Bbi. FLUID PUMPED 0 0	FLUIC TYPE	O SAF TES CIRC ARR HAZ	G: ETY MEE T LINES CULATING IVED ON ARD AS:	RATIOD STING: BE WELL N LOCAT SESMEN TO CIR	J CREV 2500 I RIG FION NT WA	V X PSI X LK AF	CO. REI	3520 TION P. X	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35	BBLS N: TROUE	SSUF 0 0	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0	DL, RUNNING PRATE DETAIL RATE BPM 0 0 0 0	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0	FLUIC TYPE	O SAF TES CIRC ARR HAZ HOC HEL	G: EETY MEE T LINES CULATING IIVED ON ARD AS: OKED UP D SAFTY	RATIOD STING: BESWELL SESMEN TO CIRCY MEET!	J CREV 2500 I RIG FJON NT WA	E X X X X X X X X X X X X X X X X X X X	CO. REI	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45	BBLS N: TROUE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TYPE placement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0	PRATE DETAIL RATE BPM 0 0 0 0 0	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 0	FLUIE TYPE	O SAF TES CIRC ARR HAZ HOC HEL	G: EETY MEE T LINES CULATING IVED ON ARD AS: OKED UP D SAFTY T C 163	RATIOD STING: BOWELL - N LOCAT SESMEN P TO CIR (MEETI PUMP A	J CREV 2500 I - RIG FION NT WA CCULA NG W	E X X E X X X X X X X X X X X X X X X X	CO. REI	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32	BBLS N: TROUE	0 0 0 0 0 0 80	TYPE placement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0	PATE BPM O O O O O O O O O O O O O	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 0 20	FLUIE TYPE 0 0 0 0 H20	O SAF TES CIRC ARR HAZ HOC HEL TES	G: ETY MEE T LINES CULATING IVED ON ARD AS: DKED UP D SAFTY T C 163 IP FRES	RATIOD RATIOD RETURNS BE WELL FOR CARREL FOR	J CREV 2500 I RIG FION NT WA CCULA NG W ND LIII SPAC	E X X E X X X X X X X X X X X X X X X X	O EXPLANA CO. REI BJ ROUND G CREI O 3500	3520	+			
TIME HR:MIN. 00:30 00:35 10:45 11:30 11:32 11:38	BBLS N: TROUE	0 0 0 0 0 80 70	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0 0	RATE BPM O 0 0 0 0 0 3.1 3.1	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 0 20 120	FLUID TYPE	O SAF TES CIRC ARR HAZ HOC HEL TES PUM PUN	G: EETY MEE T LINES CULATING IVED ON ARD ASS OKED UP D SAFTY T C 163 IP FRES	RATIODO RETING: BESWELL - N LOCAT SESMEN TO CIR (MEETI PUMP A WATER ENT SLU	J CREV 2500 I RIG FION NT WA CCULA NG W ND LIII SPAC	E X X E X X X X X X X X X X X X X X X X	O EXPLANA CO. REI BJ ROUND G CREI O 3500	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32 11:38 12:20	UOM BBLS N: TROUI	0 0 0 0 0 0 80 70 0 0	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0 0 0	PRATE DETAIL RATE BPM 0 0 0 0 3.1 3.1	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 20 120 0	FLUIC TYPE 0 0 0 H20 CMT CMT	O SAF TES CIRC ARR HAZ HOC HEL TES PUM PUM SHU	G: EETY MEE T LINES CULATING IVED ON ARD AS: DKED UP D SAFTY T C 163 IP FRES IP CEME IT DOW!	RATIOD RATIOD RETING: BE WELL SESMEN TO CIR MEETI PUMP A WATER ENT SLUN	J CREV 2500 I RIG FJON WT WA CCULA NG W ND LII SPAC	EN X PSI X LK AF TE ITH RI NES T EER 20 14.8	CO. REI BJ G CREI O 3500	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32 11:38 12:20 12:23	UOM BBLS N: TROUI	0 0 0 0 0 80 70 0 0 1180	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DL, RUNNING PRATE DETAIL RATE BPM 0 0 0 0 3.1 3.1 0 3.1	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 20 120 0	FLUIC TYPE 0 0 0 0 H20 CMT H20	O SAFTES CIRC ARR HAZ HOC HEL TES PUM PUM SHU	G: ETY MEE T LINES CULATINC IIVED ON ARD AS: DKED UP D SAFTY T C 163 IP FRES IP CEME IT DOWN DP TOP I	RATIOD RATIOD RETING: BE WELL IN LOCATION RETING RE	J CREV 2500 I RIG FJON WT WA CCULA NG W ND LII SPAC	EN X PSI X LK AF TE ITH RI NES T EER 20 14.8	CO. REI BJ G CREI O 3500	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32 11:38 12:20 12:23 12:39	UOM BBLS N: TROUI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0	DL, RUNNING RATE BPM 0 0 0 0 3.1 3.1 0 3.1 2.5	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 120 120 0 50	FLUIC TYPE 0 0 0 0 H20 CMT H20 H20 H20	O SAFTES CIRCO ARR HAZ HOC HEL TES PUM PUM SHU DRC SLO	G: ETY MEE T LINES CULATINC IVED ON ARD AS: DKED UP D SAFT) T C 163 IP FRES IP CEME IT DOWN OP TOP I	RATIOD RATIOD RETING: BE WELL IN LOCATION RETING RE	J CREV 2500 I RIG FION NT WA CCULA NG W ND LII SPAC RRY (E X X X X X X X X X X X X X X X X X X X	CO. REI BJ G CREI O 3500	3520	+			
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32 11:38 12:20 12:23 12:39 12:45	UOM BBLS N: TROUI	0 0 0 0 0 80 70 0 1180 3220 4400	TYPE placement SETTING TOO PRESSURE ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DL, RUNNING PRATE DETAIL RATE BPM 0 0 0 0 3.1 3.1 0 3.1 2.5 2.5	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 120 120 0 50 59.4	PRIOR TO CO FLUIC TYPE 0 0 0 0 H20 CMT CMT H20 H20 H20 H20	O SAFTES CIRCO ARR HAZ HOC HEL TES PUM PUM SHU DRC SLO BUM	G: ETY MEE T LINES CULATING IIVED ON ARD AS: DKED UP D SAFT) T C 163 IP FRES IP CEME IT DOWN DP TOP F W RATE	RATIOD RATIOD RETING: BE WELL IN LOCATION RETING RE	J CREV 2500 I RIG FION NT WA CCULA NG W ND LII SPAC RRY (E X X X X X X X X X X X X X X X X X X X	CO. REI BJ ROUND G CREV O 3500	3520				
VOLUME 61.3 EXPLANATION TIME HR:MIN. 00:30 00:35 10:45 11:00 11:30 11:32 11:38 12:20 12:23 12:39	UOM BBLS N: TROUI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TYPE Diacement SETTING TOO PRESSURE RE - PSI ANNULUS 0 0 0 0 0 0 0 0 0 0 0 0 0	DL, RUNNING RATE BPM 0 0 0 0 3.1 3.1 0 3.1 2.5	CSG, ETC. PI Bbi. FLUID PUMPED 0 0 0 120 120 0 50 59.4	FLUIC TYPE 0 0 0 0 H20 CMT H20 H20 H20	O SAFTES CIRC ARR HAZ HOC HEL TES PUM PUM SHU DRC SLO BUM BLE	G: ETY MEE T LINES CULATINC IVED ON ARD AS: DKED UP D SAFT) T C 163 IP FRES IP CEME IT DOWN DP TOP IP W RATE	RATIOD RATIOD RETING: BE WELL IN LOCATION RETING RE	J CREV 2500 I RIG FION NT WA CCULA NG W ND LII SPAC RRY (E X X X X X X X X X X X X X X X X X X X	CO. REI BJ ROUND G CREV O 3500	3520				

CEMENT JOB REPORT



	SHELL W	/ESTE	RN E & P INC	;	DATE	09-JU	N-12 F	.R. #	100191269	99		SERV	. SUPV.	JONATH	AN M SCH	JLZ III		
LEASE & WEL	LL NAME				LOCA	TION						COUN	ITY-PARIS	SH-BLOC	:K			
CROFT FAF	RMS 3407 #	4 30-1 -	- API 1507721	8070000	30-34S-7W								Harper Kansas					
DISTRICT McAlester					DRILL	DRILLING CONTRACTOR RIG #							OF JOB ermediate					
SIZE 8	R TYPE OI	F PLU	JGS	LIST-	CSG-HA	ARDWA	RE	MEC	CHANICAL	. BARRIE	RS N	ND .	TVD F	IANGER	TYPES	MD TVD		
7" Top Cem P	Plug, Nitrile	e cvr,	Phen	Provided by (Custom	er												
										P	HYSICAL	SLUR	RY PROP	ERTIES	ı			
MATERIAL	S FURNIS	SHED	BY BJ			LAB R	EPORT NO	0	F '	LURRY WGT PPG	SLURF YLD FT	RY	WATER GPS	PUMP TIME HR:MIN	Bbl SLURR	BbI MIX WATER		
SealBond Sp	acer									8.45						Ю		
C15:85:8 + 4	pps Kolse	al+10)%NaCl+.25p	opsCelloflake	+				790	12.4	2.	45	13.51	05:45	344.2	6 253.78		
C50:50:2 + 4	pps Kolse	al+ .1	15% SMS+ 5	% Salt+.25pp)				200	14.2	1.	32	5.66	03:45	46.9	1 26.89		
Fresh Water	Displacen	nent								8.34					211.	8		
Available Mix	x Water_		600	Bbl	. Av	ailable	Displ. Fluid		270	ві	ol.		тот	AL	642.9	7 280.67		
	HOLE						TBG-CSG	-D.P.							R DEPTHS			
SIZE	% EXCE	SS	DEPTH 5512		OD 7	WGT.	TYI	PE	MD	TVD	GRADE		SHOE	FI	LOAT	STAGE		
8.75			5513	6.366			3 CSG		5429	5429								
	AST CAS		MD	TVD			-BR PL-LIN	IER DEPTH		DEPTH BTM		TOP C	ONN IREAD	TYPE	WELL FLU	ID WGT.		
ID OD V 8.9 9.625	36	ГҮРЕ	MD 80		BRANL	& TYP	E	DEPIH	4600	460		7 8R			BASED MU			
DISPL. VO	LUME		DISF	PL. FLUID	C	AL. PS	CAL. M	AX PSI	OP. MAX	M	AX TBG P	SI	M	AX CSG F	PSI	MIX WATER		
VOLUME	UOM		TYPE	WG ⁻	T. BU	IMP PLI	JG TO R	REV.	SQ. PSI	RATI	ED Ope	erator	RATE	D O	perator	WAILK		
	DDLC	E	h Motor Dior	Noon 8	0.4													
211.8	BBLS	Fresi	h Water Disp	nace o	.34	128	0								3000	Frac Tanks		
211.8	DDLS	Fresi	n water dist	orace o	.34	128	0								3000	Frac Tanks		
211.8 EXPLANATIO								MENTIN	IG: Arrive	on Loca	ation @ 7	30, Cir	culation	casing do		Frac Tanks		
		BLE S	ETTING TO		CSG, I			MENTIN	IG: Arrive	on Loca	ation @ 7		culation of			Frac Tanks		
EXPLANATIO	N: TROUE	BLE S	ETTING TOO	DL, RUNNING	CSG, I	ETC. PR	RIOR TO CE					EXI	PLANATIO	ON		Frac Tanks		
	N: TROUE	BLE S	E - PSI	DL, RUNNING	CSG, I	ETC. PR		SAF	NG: Arrive	ΓING: Β.		X C		ON		Frac Tanks		
EXPLANATIO TIME	N: TROUE	BLE S	ETTING TOO	DL, RUNNING RATE DETAIL RATE	CSG, I	ETC. PR	RIOR TO CE	SAF TES	ETY MEE	TING: B	J CREW 4544 PS	X C	PLANATIO	ON		Frac Tanks		
EXPLANATIO TIME	N: TROUE	BLE S	E - PSI	DL, RUNNING RATE DETAIL RATE	CSG, I	ETC. PR	RIOR TO CE	SAF TES	ETY MEE	TING: B	J CREW 4544 PS RIG	X C	PLANATIO O. REP. BJ	ON		Frac Tanks		
EXPLANATIO TIME HR:MIN.	N: TROUE	BLE S	E - PSI	DL, RUNNING RATE DETAIL RATE	CSG, I	ETC. PR	FLUID TYPE	SAF TES CIRC Arrive	ETY MEE T LINES CULATING e on locati	FING: B. WELL - on/Shell er pump	J CREW 4544 PS RIG Safety Sh	X C	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58	N: TROUE PRES PIPE 45	SSUR 44	E - PSI	DL, RUNNING RATE DETAIL RATE BPM	CSG, I	LUID PED	FLUID TYPE SPACER WATER	SAF TES CIRC Arrive Sealt test p	ETY MEE T LINES CULATING e on locati bond Spac	TING: B. WELL - on/Shell er pumpines	J CREW 4544 PS RIG Safety Shed by rig	EXI X C I X	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08	PRES PIPE 45-4	SSUR 44 34	E - PSI	DL, RUNNING RATE DETAIL RATE BPM 4.5	CSG, I	ETC. PR	FLUID TYPE SPACER WATER LEAD	SAF TES CIRC Arrive Sealth test p	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start	WELL - on/Shell er pumpones lead slur	J CREW 4544 PS RIG Safety Shed by rig	EXI X C I X hutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20	PRES PIPE 45-45-4-2	SSUR 44 34 21	E - PSI	PATE DETAIL RATE BPM 4.5 3.9	CSG, I	ETC. PR	FLUID TYPE SPACER WATER LEAD LEAD	SAF TES' CIRC Arrive Sealt test p open bbls p	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start bumped w	FING: Base WELL - on/Shell er pumpenes lead slur hen lead	J CREW 4544 PS RIG Safety Shed by rig ry @ 12.4 slurry @	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49	PRES PIPE 45-4-1:	SSUR 44 34 21 24	E - PSI	PATE DETAIL RATE BPM 4.5 3.9 3.1	CSG, I	215 312	FLUID TYPE SPACER WATER LEAD LEAD LEAD	SAF TES CIRC Arrive Sealt test p open bbls p	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped wead slurry	FING: B. WELL - on/Shell er pumpenes lead slur hen lead 'start tail	J CREW 4544 PS RIG Safety Shed by rig 9 12.4 slurry 9 slurry 9 slurry 9 slurry 9	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13	PRES PIPE 45 4 2 11 4	SSSUR 444 334 21 224 335	E - PSI	PATE DETAIL RATE BPM 4.5 3.9 3.1 2	CSG, I	LUID PED 40 215 312 48	FLUID TYPE SPACER WATER LEAD LEAD LEAD TAIL	SAF TES CIRC Arrive Sealt test p open bbls p end le	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped w ead slurry/s ail slurry/s	WELL - on/Shell er pumpe nes lead slur hen lead 'start tail hutdown	J CREW 4544 PS RIG Safety Shed by rig 12.4 slurry @ slurry @	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16	PRES PIPE 45-4-1: 44-1:	SSSUR 444 334 21 224 335 51	E - PSI	PATE DETAIL RATE BPM 4.5 3.9 3.1 2	CSG, I	40 215 312 48	SPACER WATER LEAD LEAD TAIL WATER	SAF TES CIRC Arrive Sealt test p open bbls p end te end tr	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start bumped w ead slurry/s ail slurry/s TRP/ start	WELL - on/Shell er pumpe nes lead slur hen lead /start tail hutdown displace	J CREW 4544 PS RIG Safety Shed by rig 12.4 slurry @ slurry @	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35	PRES PIPE 45-44-44-44-11-11-11-11-11-11-11-11-11-11-	SSSUR 444 334 21 224 335	E - PSI	PATE DETAIL RATE BPM 4.5 3.9 3.1 2 4 3	CSG, I	215 312 48	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER	SAF TES' CIRC Arrive Sealt test p open bbls p end te drop	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped w ead slurry/s ail slurry/s TRP/ start rate/ no re	WELL - on/Shell er pumpines lead slur hen lead 'start tail hutdown displace	J CREW 4544 PS RIG Safety Shed by rig 12.4 slurry @ slurry @	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16	PRES PIPE 45-44-44-44-11-11-11-11-11-11-11-11-11-11-	### A PRINCE SERVING TO THE PRINCE SERVING THE SE	E - PSI	PATE DETAIL RATE BPM 4.5 3.9 3.1 2	CSG, I	215 312 48 54 120	SPACER WATER LEAD LEAD TAIL WATER	SAF TES' CIRC Arrive Sealt test p open bbls p end te drop slow see li	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start bumped w ead slurry/s ail slurry/s TRP/ start	FING: B. WELL - on/Shell er pumpines lead slur hen lead 'start tail hutdown displace eturns	J CREW 4544 PS RIG Safety Shed by rig 2.4 slurry @ slurry @ ement	EXI X C I X mutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35 02:58	PRES PIPE 45-4-11-11-11-11-11-11-11-11-11-11-11-11-1	### A PRINCE SERVING TO THE PRINCE SERVING THE SE	E - PSI	A.5 3.9 3.1 2 4 3 2.2	CSG, I	215 312 48 54 120	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER WATER WATER WATER	SAF TES' CIRC Arrive Sealt test p open bbls p end te drop slow see li end c	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped wead slurry/s ail slurry/s TRP/ start rate/ no re ft pressure	FING: B. WELL - on/Shell er pumpe nes lead slur hen lead 'start tail hutdown displace eturns e	J CREW 4544 PS RIG Safety Shed by rig ry @ 12.4 slurry @ slurry @	EXI X C I X Dutdow	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35 02:58 03:39	PRES PIPE 45-4-11-11-11-11-11-11-11-11-11-11-11-11-1	### A PRINCE SERVING TO THE PRINCE SERVING THE SE	E - PSI	A.5 3.9 3.1 2 4 3 2.2	CSG, I	215 312 48 54 120 213	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER WATER WATER WATER	SAF TES CIRC Arrive Sealth test p open bbls p end te drop slow see li end c check	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped we ead slurry/s ail slurry/s TRP/ start rate/ no re fit pressure displacement	FING: B. WELL - on/Shell er pumpe nes lead slur hen lead 'start tail hutdown displace eturns e ent/ shute ding/ .5b	J CREW 4544 PS RIG Safety Shed by rig 12.4 slurry @ slurry @ slurry @ shurry @ shurr	EXI X C I X L C I I I I I I I I I I I I I I I I I I	PLANATIO O. REP. BJ	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35 02:58 03:39	PRES PIPE 45-4-11-11-11-11-11-11-11-11-11-11-11-11-1	### A PRINCE SERVING TO THE PRINCE SERVING THE SE	E - PSI	A.5 3.9 3.1 2 4 3 2.2	CSG, I	215 312 48 54 120 213	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER WATER WATER WATER	SAF TES CIRC Arrive Sealt test p open bbls p end te drop slow see li end c check appro	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped w ead slurry/s ail slurry/s TRP/ start rate/ no re ft pressure c float/ hol	WELL - on/Shell er pumpines lead slur hen lead 'start tail hutdown displace eturns eent/shutd ding/.5b	J CREW 4544 PS RIG Safety Sr ed by rig ry @ 12.4 slurry @ slurry @ ement down bls return ment return	EXI X C I X I C I I I I I I I I I I I I I	PLANATIO O. REP. BJ //n pg	ON		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35 02:58 03:39	PRES PIPE 45-4-11-11-11-11-11-11-11-11-11-11-11-11-1	44 334 21 224 335 51 21 003 11	E - PSI	A.5 3.9 3.1 2 4 3 2.2	BBI. F PUM	215 312 48 54 120 213	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER WATER WATER WATER	SAF TES CIRC Arrive Sealt test p open bbls p end te drop slow see li end c check appro Than	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start pumped wead slurry/s ail slurry/s TRP/ start rate/ no re ft pressure displaceme k float/ hol pximately st	FING: B. WELL - on/Shell er pumpines lead slur hen lead /start tail hutdown displace eturns ee ent/ shute ding/ .5b 5bbls cer ng BHI Pr	J CREW 4544 PS RIG Safety Sr ed by rig ry @ 12.4 slurry @ slurry @ ement down bls return ment return ressure P	EXI X C I X I C I I I I I I I I I I I I I	PLANATIO O. REP. BJ //n pg	DN X		Frac Tanks		
TIME HR:MIN. 07:30 23:45 23:58 00:08 01:20 01:49 02:13 02:16 02:35 02:58 03:39 03:46 BUMPED	PRES PIPE 45-4-11-11-11-11-11-11-11-11-11-11-11-11-1	44 334 21 224 335 51 21 003 11	PRESSURE/ E - PSI ANNULUS TEST FLOAT EQUIP.	RATE DETAIL RATE BPM 4.5 3.9 3.1 2 4 3 2.2 2.1 BBL.CMT RETURNS/	BBI. F PUM	215 312 48 54 120 2135 DTAL BL. MPED	SPACER WATER LEAD LEAD LEAD TAIL WATER WATER WATER WATER WATER WATER WATER WATER WATER	SAF TES CIRC Arrive Sealt test p open bbls p end te drop slow see li end c check appro Than	ETY MEE T LINES CULATING e on locati bond Space bumps & li well/start bumped we ead slurry/s ail slurry/s TRP/ start rate/ no re fit pressure isplaceme to float/ hol boximately si ks for usir	FING: B. WELL - on/Shell er pumpines lead slur hen lead /start tail hutdown displace eturns ee ent/ shute ding/ .5b 5bbls cer ng BHI Pr	J CREW 4544 PS RIG Safety Sr ed by rig ry @ 12.4 slurry @ slurry @ ement down bls return ment return ressure P	EXI X C I X I C I I I I I I I I I I I I I	PLANATION O. REP. BJ yn pg urface g	DN X		Frac Tanks		

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

November 15, 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 15-077-21807-00-00 Croft Farms 3407 30-1 SW/4 Sec.30-34S-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