



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1113661  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- 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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

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 #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

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  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1113661

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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 Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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SHELL GULF OF MEXICO, INC. (34574)	Morrow Land 3007 28-1	
<b>PETE MARTIN DRILLING (34645)</b> <b>(SET THE CONDUCTOR)</b>		
Call in DATE OF SPUD	SWD conductor 3/19/2012	SWD mouse hole 3/19/2012
spud in date	3/20/2012	3/25/2012
T.D date	3/21/2012	3/26/2012
Size Hole Drilled	26" Diam	20 " dam
Size Casing Set (in O.D )	18"	14"
conductor wall thickness	.250	.188
Weight Lbs./Ft.	47.44 ppf	27.76
Setting Depth	60'	77'
Type of Cement	Type 1\2 portland cement	Type 1\2 portland cement
Cubic yards of cement	8 cu. Yd	7 cu yds
2500 PSI Grout Mix	Yes	Yes
Type and Percent of Additives	15% fly ash	15% fly ash
Comments	0-5' brown dirt 5'-8' sand 8'-10' gypsum 9'-15'sand 15' to 16' gypsum 16'-50' sand 50'-60' hard sand	0'-8' dirt 8'-13' gypsum 13'-18' sand 18'-19' gypsum 19'-40' sand 40'-77' hard sand

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 23-NOV-12	F.R. # 1001947450	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME MORROW LAND 3007 #28-1 - API 1509522237000	LOCATION 28-30S-7W	COUNTY-PARISH-BLOCK Kingman Kansas	
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264	TYPE OF JOB Surface	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Ph	No Shoe, Cust supp						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES					
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
H2O			8.34				20
CLASS C + ADDS		305	14.8	1.35	6.34		73
H2O			8.34				33
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL			126
							45.83

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		505	8.921	9.625	36	CSG	495	495	J-55	495	449	

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH			TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
										9.625	8RD	WATER BASED MU	8.6	

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	RIG
33	BBLs	H2O	8.34	200					2816	1060	RIG

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS

PRESSURE/RATE DETAIL					EXPLANATION		
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 6000 PSI	
13:15	6350				H2O	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
13:30	110		4	20	H2O	TEST PUMP AND LINES, START H2O AHEAD	
13:45	230		4	73	CMT	PUMP H2O SPACER, START CMT @ 14.8#	
13:55	1060		4	33	H2O	PUMP CMT, DROP PLUG, START DISPLACEMENT	
14:13						PUMP DISP, BUMP PLUG, HOLD PRESSURE FOR 15 MIN	
						RELEASE PRESSURE, TEST FLOAT, HOLDING	
						CMT RETURNS TO SURFACE @ 66 BBL INTO CMT	
						@ 42 BBL CMT RETURNS	
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	175	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	42	124	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC			DATE 03-DEC-12		F.R. # 1001950080		SERV. SUPV. James Kirkpatrick						
LEASE & WELL NAME MORROW LAND 3007 #28-1 - API 1509522237000			LOCATION 28-30S-7W			COUNTY-PARISH-BLOCK Kingman Kansas							
DISTRICT McAlester			DRILLING CONTRACTOR RIG # Patterson 264			TYPE OF JOB Intermediate							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD	
7" Top Cem Plug, Nitrile cvr, Phen		No Shoe, Cust Sup											
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
C15:85+ADDITIVES						115	12.4	2.45	13.52	05:00	50	36.89	
C50:50 + ADDITIVES						85	14.2	1.32	5.66	04:43	20	11.46	
H2O							8.34				192		
SEAL BOND							8.43				40		
Available Mix Water 250 Bbl.			Available Displ. Fluid 250 Bbl.			TOTAL			302	48.35			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.75		4925	6.366	7	23	CSG	4916	4916	N-80	4916	4888		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.9	9.625	36		500	500			4600	4600	7	8RD	WATER BASED MU	9
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER		
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	RIG		
192	BBLs	H2O	8.34	600					5070	1725	RIG		
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS													
PRESSURE/RATE DETAIL							EXPLANATION						
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES 3500 PSI							
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>							
01:10	3985				H2O	TEST PUMP AND LINES, START LEAD CMT @ 12.4 #							
01:25	225		4.5	50	LEAD CMT	PUMP 50 BBL LEAD CMT, START TAIL CMT @ 14.8 #							
01:35	200		4.5	20	TAIL CMT	PUMP 20 BBL TAIL CMT, DROP PLUG, START DISPLACEMENT							
02:15	1750		5	192	H2O DISP	PUMP 192 BBL DISPLACEMENT, BUMP PLUG, HOLD 15 MINUTES							
02:30						RELEASE PRESSURE, TEST FLOAT, HOLDING							
						CAUGHT CMT @ 110 BBL INTO DISPLACEMENT							
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW							
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:						
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1100	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	262	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N							

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



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<http://kcc.ks.gov/>

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

Sam Brownback, Governor

March 25, 2013

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

Re: ACO1  
API 15-095-22237-00-00  
MORROW LAND 3007 28-1  
SE/4 Sec.28-30S-07W  
Kingman 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