Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1097253

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 # 34574
Name: Shell Gulf of Mexico Inc.
Address 1: 150 N DAIRY-ASHFORD (77079)
Address 2: PO BOX 576 (77001-0576)
City: HOUSTON State: TX Zip: 77001 + 0576
Contact Person: Damonica Pierson
Phone: (832) 337-2172
CONTRACTOR: License # 34718
Name: Nabors Drilling USA, LP
Wellsite Geologist: Michael Duerr
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 #:

09/21/2012 — Spud Date or Recompletion Date
09/25/2012 — Date Reached TD
10/10/2012 — Completion Date or Recompletion Date

API No. 15 - 15-007-23852-00-00
Spot Description:
NE - NE - NE - NW Sec. 4 Twp. 35 S. R. 10 ☐ East ☑ West
310 Feet from ☑ North / ☐ South Line of Section
2323 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barber
Lease Name: Schupbach 3510 Well #: 4-1
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 1309 Kelly Bushing: 1333
Total Vertical Depth: 6615 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 787 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Plumb Thicket Landfill
Lease Name: N/A License #: 99999
Quarter SW Sec. 4 Twp. 31 S. R. 6 ☐ East ☑ West
County: Harper Permit #: KDHE Permit No. 0842

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: 10/12/2012
☑ **Confidential Release Date:** 10/12/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 10/15/2012

1097253

Operator Name: Shell Gulf of Mexico Inc. Lease Name: Schupbach 3510 Well #: 4-1

Sec. 4 Twp. 35 S. R. 10 ☐ East ☑ West County: Barber

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Triple Combo

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name Attached | Top Attached | Datum Attached

CASING RECORD ☑ New ☐ 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
Conductor	26	18	47.76	60	1/2 Portland	42	15 % Fly ash
Surface	12.25	9.625	36	787	Class C	500	See attached
Intermediate	8.75	7	23	5544	Class C	1000	See attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ 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)*

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 *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: 4.5 Set At: 5544 Packer At: 5532 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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Schupbach 3510 4-1
Doc ID	1097253

Tops

Name	Top	Datum
Marmaton	4505	
Pawnee	4598	
Cherokee	4647	
Mississippi	4745	
Woodford	5093	
Viola	5162	
Simpson	5261	
Arbuckle	5433	

SHELL GULF OF MEXICO, INC. (34574)	Schupbach 3510-4	
PETE MARTIN DRILLING (34645) (SET THE CONDUCTOR)	SWD conductor	SWD Mouse Hole
Call in DATE OF SPUD	5/4/2012	
spud in date	5/5/2012	5/9/2012
T.D date	5/6/2012	5/9/2012
Size Hole Drilled	26'	20"
Size Casing Set (in O.D)	18"	14"
conductor wall thickness	250	188
Weight Lbs./Ft.	47.76ppf	27.76
Setting Depth	60'	77'
Type of Cement	type 1/2 portland cement	
Cubic yards of cement	7cy	6cy
2500 PSI Grout Mix	yes	yes
Type and Percent of Additives	15% fly ash	15% fly ash
Comments	0-8' dirt 8'-24'clay 24'-38-sand 38'-60' clay	0-8' dirt 8'-15' clay 15'-35' sand 35'-60' clay 70'-77' sand water@24'

CEMENT JOB REPORT

CUSTOMER	DATE	F.R. #	SERV. SUPV.
SHELL WESTERN E & P INC	22-AUG-12	1001929670	JUSTIN D STAMPER
LEASE & WELL NAME	**LOCATION**		**COUNTY-PARISH-BLOCK**
SCHUPBACH 3510 #4-1 - API 15007238520000	4-35S-10W		Barber Kansas
DISTRICT	**DRILLING CONTRACTOR RIG #**		**TYPE OF JOB**
McAlester			Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Shoe PROVIDED BY CUSTOMER						

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
WATER			8.34				20	
CLASS C+2%CACL2+.25#CELLOFLK		500	14.8	1.35	6.34	02:45	119.89	75.45
Water			8.34				58	

Available Mix Water 1000 **Bbl.** **Available Displ. Fluid** 120 **Bbl.** **TOTAL** 197.89 75.45

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
12.25		814	8.921	9.625	36	CSG	787	787	K-55	787	746	

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
17.	18	84		60	60					9.625	8RD	WATER BASED MU	9

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
58	BBLS	Water	8.34	260					2816	1500	RIG/XPORT

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: ARRIVE ON LOCATION, WAIT ON RIG

PRESSURE/RATE DETAIL TIME HR:MIN.	PRESSURE - PSI PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 3000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
06:15						ARRIVE ON LOCATION
12:30						SAFETY MEETING
12:50	3000				WATER	TEST LINES, START WATER AHEAD
12:56	100		4	20	WATER	FINISH WATER, START SLURRY
13:34	250		3	120	SLURRY	FINISH SLURRY, SHUT DOWN, DROP PLUG AND DISPLACE
13:47	500		5	48	WATER	SLOW TO BUMP PLUG
13:51	350		3	10	WATER	BUMP PLUG, PRESSURE TO 800PSI, HOLD FOR 30 MINS
14:21	0				WATER	BLEED OFF RECIVED .25 BBLS BACK TO TRUCK
						FLOATS HOLDING
						RECIVED 65 BBLS OF CMT TO SURFACE
						THANK YOU FOR USING BHI
						JUSTIN STAMPER 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:
[Y] N	800	[Y] N	65	198	0	Y [N]	

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
SHELL WESTERN E & P INC	31-AUG-12	1001931873	Jack Roberts

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
SCHUPBACH 3510 #4-1 - API 15007238520000	4-35S-10W	Barber Kansas

DISTRICT	DRILLING CONTRACTOR RIG #	TYPE OF JOB
McAlester		Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	Guide Shoe, Cement Nose, 7 in						
7" Bot Cem Plug, Nitrile cvr, Phen	Float Collar, Auto Fill, 7 - 8rd						

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
C50:50:2+2%NACL2+.25#/SXCF+4#/SXKOLSEAL+.3%		80	14.2	1.32	5.66	03:45	18.77	10.78
H20			8.34				216.5	
SealBond Spacer 25 (w/ 45lb bag)			8.45				40	
15:85:810%NACL2+.25#/SXCF+4#/SXKOLSEAL+.5%S		1,210	12.4	2.45	13.51	05:00	527.29	389.29
						TOTAL	802.55	400.06

Available Mix Water 1000 Bbl. Available Displ. Fluid 600 Bbl.

HOLE SIZE	HOLE % EXCESS	HOLE DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	350	5544	6.366	7	23	CSG	5544	5462	L-80	5544	5496	0

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.9	9.625	36	CSG	800	800	NO PACKER	0	4600	4600	7	8RD	WATER BASED MU	9

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
216.5	BBLS	H20	8.34	1500	0	0	0	0	7600	3000	TANK

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

PRESSURE/RATE DETAIL TIME HR:MIN.	PRESSURE - PSI PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 5000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
10:25						PRE JOB SAFETY MEETING
10:30						LEAVE DIST.
15:00						ARRIVE ON LOC.
15:02						SAFETY MEETING
15:05						SPOT EQUIP.
22:00						PRE RIG UP MEETING
22:05						RIG UP
23:30						SAFETY MEETING
12:30	5000				H20	TEST LINES
12:32	1600		1.5		H20	PUMP IN CSG WAS PACKED OFF
12:34	650		1.5		H20	PUMP IN CSG WAS PACKED OFF
12:36	450		2		H20	" " " " " "
12:38	500		2.5		H20	" " " " " "
12:45						SHUTDOWN/ BLEED PSI SWITCH TO RIG PUMP THEY ARE GOING CIRC. BOTTOMS UP
02:50					SEALBONI	RIG PUMPS SPACER PER CUSTOMER
03:07						DROP BOTTOM PLUG
03:08	100		2	5	H20	SPACER
03:10						LOAD TOP PLUG
03:25	700		4		CMT	LEAD CMT

CEMENT JOB REPORT

BAKER HUGHES

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 5000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
03:31	700		4.3	26	CMT	LEAD CMT
03:44	460		4.4	77	CMT	LEAD CMT
04:00	160		3.5	155	CMT	LEAD CMT
04:08	170		3.6	180	CMT	LEAD CMT
04:15	115		3	203	CMT	LEAD CMT LOST RETURNS DEC. RATE
04:28	170		3	247	CMT	LEAD CMT LEAD @ SHOE
04:40	130		3.2	282	CMT	LEAD CMT NO RETURNS
04:54	150		3	323	CMT	LEAD CMT NO RETURNS
05:12	160		3.2	381	CMT	LEAD CMT NO RETURNS
05:22	110		3	420	CMT	LEAD CMT NO RETURNS
05:40	108		3	474	CMT	LEAD CMT NO RETURNS
05:53	109		3	510	CMT	LEAD CMT NO RETURNS
06:05	280		5	550	CMT	LEAD CMT NO RETURNS INCREASE PER CUSTOMER
06:08	280		5	571	CMT	LEAD CMT NO RETURNS
06:09	280				CMT	TAIL CMT NO RETURNS
06:18	280		5	20	CMT	TAIL CMT NO RETURNS
06:19						SHUTDOWN/DROP TOP PLUG
06:20	112		4.5		H20	DISPL.
06:28	155		5	40	H20	DISPL. NO RETURNS
06:33	452		5	70	H20	DISPL. NO RETURNS
06:41	655		5	100	H20	DISPL. NO RETURNS
06:51	901		5	150	H20	DISPL. NO RETURNS
07:03	911		2	200	H20	DISPL. DEC. RATE TAIL CMT @ SHOE NO RETURNS
07:09	1000			217.5	H20	DIDN'T BUMP PLUG 1 BBL OVER CAL. DISPL. PER CUSTOMER
07:20						BLEED PSI/CHECK FLOAT HELD
07:25						POST RIG DOWN MEETING
07:30						END JOB

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:
Y [N]		[Y] N	0	830	0	Y [N]	

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

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

October 12, 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 15-007-23852-00-00
Schupbach 3510 4-1
NW/4 Sec.04-35S-10W
Barber 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