CORRECTION #2

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1101220

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: Bess Colberg
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 #:

08/31/2012 — Spud Date or Recompletion Date
10/19/2012 — Date Reached TD
12/15/2012 — Completion Date or Recompletion Date

API No. 15 - 15-077-21846-01-00
Spot Description:
W2 - NE - NE - NW Sec. 8 Twp. 34 S. R. 7 ☐ East ☑ West
330 Feet from ☑ North / ☐ South Line of Section
2180 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: Harper
Lease Name: Harris Farms 3407 Well #: 8-1H
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 1347 Kelly Bushing: 1375
Total Vertical Depth: 9152 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 829 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: 07/06/2012
☑ **Confidential Release Date:** 07/06/2014
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/11/2013

CORRECTION #2 [redacted]
Page Two

1101220

Operator Name: Shell Gulf of Mexico Inc. Lease Name: Harris Farms 3407 Well #: 8-1H

Sec. 8 Twp. 34 S. R. 7 ☐ East ☑ West County: Harper

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	Top	Datum
Iola	4282	
Swope	4478	
Hushpuckney	4495	
Marmaton	4620	
Cherokee	4810	
Mississippi	5075	

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	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
Attached	Attached	Attached	Attached

TUBING RECORD: Size: 2.875 Set At: 3738 Packer At: N/A

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:
5440 - 9028

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	Harris Farms 3407 8-1H
Doc ID	1101220

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	5440 - 5722	105756 gals fluids, 30622# prop	
2	5840 - 6131	97104 gals fluids, 22199# prop	
3	6230 - 6522	102144 gals fluids, 34513# prop	
4	6630 - 6922	91476 gals fluids, 23574# prop	
5	7010 - 7262	99120 gals fluids, 25751# prop	
6	7360 - 7632	114912 gals fluids, 29168# prop	
7	7695 - 7952	101892 gals fluids, 23126# prop	
8	8180 - 8472	106050 gals fluids, 20654# prop	
9	8653 - 9028	104160 gals fluids, 29786# prop	

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Harris Farms 3407 8-1H
Doc ID	1101220

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	26	18	47.44	60	1/2 Portland cement	36	15% Fly Ash
Surface	12.25	9.625	36	829	Class C	500	See attached
Intermediate	8.75	7	23	5377	Class C	240	See attached
Liner	6.125	4.5	11.6	9050	Class H	375	See attached

SHELL GULF OF MEXICO, INC. (34574)	Harris Farms 3407-8	
PETE MARTIN DRILLING (34645) (SET THE CONDUCTOR)	1-H Conductor	1-H Mouse Hole
Call in DATE OF SPUD		
spud in date	6/19/2012	6/23/2012
T.D date	6/19/2012	6/23/2012
Size Hole Drilled	26''	20'
Size Casing Set (in O.D)	18"	14''
conductor wall thickness	0.25	0.188
Weight Lbs./Ft.	47.44ppf	27.76
Setting Depth	60'	78'
Type of Cement	1/2 Portland cement	1/2 Portland cement
Cubic yards of cement	6cy.	5cy.
2500 PSI Grout Mix	yes	yes
Type and Percent of Additives	15% Fly ash	15% Fly ash
Comments	0-24-Dirt, 24-36' mud & water, 36' to 60' clay and water to 25'	0-24 Dirt, 24-36 mud & water 36-77' hard clay

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
SHELL WESTERN E & P INC	01-SEP-12	1001931884	JUSTIN D STAMPER
LEASE & WELL NAME	**LOCATION**		**COUNTY-PARISH-BLOCK**
HARRIS FARMS 3407 #8-1H - API 15077218460000	8-34S-7W		Harper 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	
C+2%CACL2+.25#CELLOFLK		500	14.8	1.35	6.34	02:45	119.89	75.45
Water			8.34				60	

Available Mix Water 1000 **Bbl.** **Available Displ. Fluid** 1000 **Bbl.** **TOTAL** 199.89 75.45

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
12.25		844	8.921	9.625	36	CSG	829	829	J-55	829	785	

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.
										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
60	BBLS	Water	8.34	250					3160	1500	RIG

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

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 4100 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
19:30						ARRIVE ON LOCATION
01:30						SAFETY MEETING
02:20	4100				WATER	TEST LINES, START WATER AHEAD
02:25	200		5	20	WATER	FINISH WATER, START SLURRY
02:51	180		4	120	SLURRY	FINISH SLURRY, DROP PLUG AND DISPLACE
03:03	400		5	50	WATER	SLOW TO BUMP PLUG
03:06	350		2	10	WATER	BUMP PLUG, PRESSURE TO 1000 PSI
03:36	0					BLEED OFF RECIVED .25 BBLS BACK TO TRUCK
						FLOATS HOLDING
						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	1000	[Y] N	58	200	0	Y [N]	

CEMENT JOB REPORT

CUSTOMER	DATE	F.R. #	SERV. SUPV.
SHELL WESTERN E & P INC	21-SEP-12	1001935737	JUSTIN D STAMPER
LEASE & WELL NAME	**LOCATION**		**COUNTY-PARISH-BLOCK**
HARRIS FARMS 3407 #8-1H - API 15077218460000	8-34S-7W		Harper 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
Cement Plug, Rubber, Top 7 in (FB	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
SEALBOND			8.45				40	
15:85:8(POZ,C,GEL)+10%SALT+.5%SMS+4PPS KOLS		155	12.4	2.45	13.51	05:33	68	50.13
50:50:2(POZ,C,GEL)+4#KOLSL+.15%SMS+.3%FL52		85	14.2	1.32	5.66	03:30	20	11.46
WATER			8.34				209	

Available Mix Water 1000 **Bbl.** **Available Displ. Fluid** 1000 **Bbl.** **TOTAL** 337 61.59

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75		5387	6.366	7	23	CSG	5377	4700	L-80	5377	5295	

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		800	800			4600	4600	7	8RD	WATER BASED MU	9.2

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
209	BBLS	WATER	8.34	500					5072	3000	RIG

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

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 4100 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
00:00						ARRIVE ON LOCATION
08:00						SAFETY MEETING
08:30	4300				WATER	TEST LINES, START LEAD SLURRY, RIG TO PUMP SEALBOND
09:02	50		3	68	LEAD	FINISH LEAD, START TAIL
09:11	80		3	20	TAIL	FINISH TAIL, SHUT DOWN, DROP PLUG AND DISPLACE
10:04	600		4	200	WATER	SLOW TO BUMP PLUG
10:08	500		1	10	WATER	BUMP PLUG, PRESSURE TO 1000 PSI
10:38	0					BLEED OFF RECIVED BBLS 1 BACK TO TRUCK
						FLAOTS HOLDING
						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	1000	[Y] N	0	297	0	Y [N]	

CEMENT JOB REPORT

CUSTOMER SHELL WESTERN E & P INC	**DATE** 21-OCT-12	**F.R. #** 1001937658	**SERV. SUPV.** MICHAEL A SILVA
LEASE & WELL NAME HARRIS FARMS 3407 #8-1H - API 15077218460000	**LOCATION** 8-34S-7W		**COUNTY-PARISH-BLOCK** Harper Kansas
DISTRICT McAlester	**DRILLING CONTRACTOR RIG #**		**TYPE OF JOB** Liner

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	Float Shoe 4-1/2 - 8rd						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT_3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
		PHYSICAL SLURRY PROPERTIES						
SealBond Spacer			8.45				40	
50)50 POZ(H)+.01% STATIC FREE+3%SODIUM CHL		375	14.3	1.24	5.54	03:30	83	49.39
.1% R-3+.5% FL-62+.6%SODIUM METASILICATE+.5%		0	14.3	0	0	00:00	0	
WATER			8.34				116	
WATER(REVERSE OUT)			8.34				200	
						TOTAL	439	49.39

Available Mix Water 500 **Bbl.** **Available Displ. Fluid** 500 **Bbl.**

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125	0	9152	3.24	4	14.69	DP	4459	4459	P-110	9139	9050	
			1	4.5	11.6	LNR	4459	9050	P-110			

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.
6.4	7	23		5387	4700					4.5	IF	WATER BASED	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	
116	BBLS	WATER	8.34	800						6000	RIG
		WATER(REVERSE O	8.34								

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: | Circulation Rate: 8 BPM

Mud Density In: 9 LBS/GAL | Mud Density Out: 9 LBS/GAL | PV & YP Mud In: | PV & YP Mud Out:

Gas Present: NO [X] YES [ ] | Units: | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: 1.5 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: SIGHT

Cement Returns at Surface: [ ] YES [X] NO | Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [ ] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [X] NO [ ] YES | Quantity: | Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: | Competition: | Wiper Balls Used: [X] NO [ ] YES | Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: FT | Bottom of Plug: FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] YES | PSI Applied: | Fluid Weight: LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: PSI With LBS/GAL Mud | Time Held: Hours Minutes

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

CEMENT JOB REPORT

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT	Target EMW: LBS/GAL Actual EMW: LBS/GAL
Number of Times Tests Conducted:	Mud Weight When Test was Conducted: LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

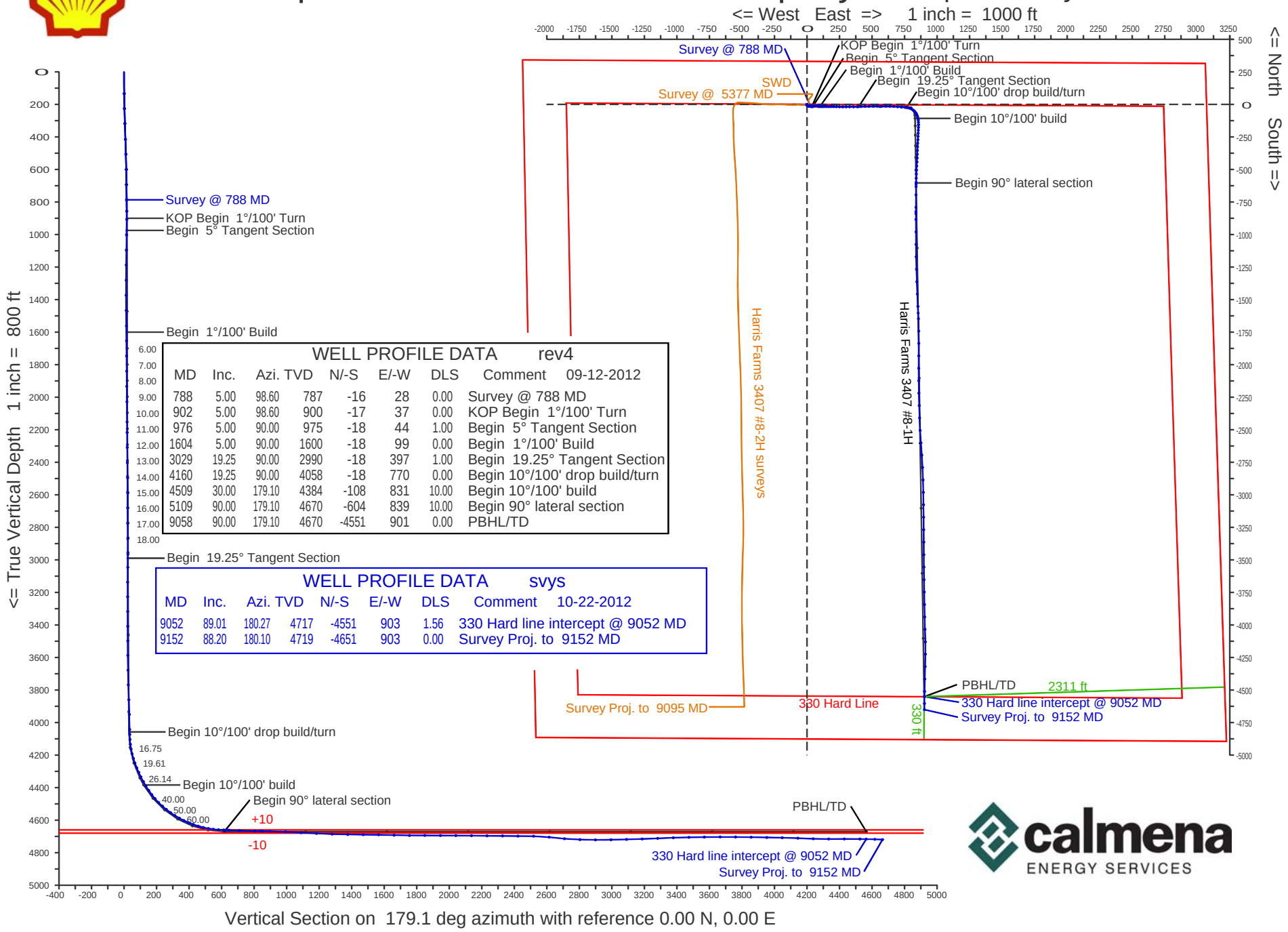
PRESSURE/RATE DETAIL

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 700 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
15:30						ARIVE ON LOCATION SSC FLANAGAN
02:30						SAFTY MEETING 10/21/12
03:00	7000				H20	TEST LINES
03:06	300		2	0	H20	START SPACER
03:30	680		4	40	CEMENT	START CEMENT
03:49	340		4	76	CEMENT	SPACER @ SHOE
03:55	300		4	7	CEMENT	FINISH CEMENT
03:55			3		H20	WASH PUMPS AND LINES
04:00	138		5.5	0	H20	DROP PLUG/DISPLACE
04:08	66		2.8	33	H20	CEMENT AT SHOE/SLOW RATE
04:11	550		2.8	8	H20	PLUG SHEER
04:36	800		2.8	10	H20	BUMP PLUG
04:41	3800		2.8		H20	PRESSURE UP TO 3000/CHECK FLOATS
04:53	4500		2.8		H20	PRESURE UP THE BACK SIDE TO 4500 FOR 30 MIN.
06:20	300		3	200	H20	REVERSE OUT

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	1500	Y [N]	0	439	0	Y [N]	

Shell Exploration and Production Company

Harris Farms 3407 #8-1H (F01)
Harper County, Kansas



WELL PROFILE DATA rev4

MD	Inc.	Azi.	TVD	N/-S	E/-W	DLS	Comment 09-12-2012
788	5.00	98.60	787	-16	28	0.00	Survey @ 788 MD
902	5.00	98.60	900	-17	37	0.00	KOP Begin 1°/100' Turn
976	5.00	90.00	975	-18	44	1.00	Begin 5° Tangent Section
1604	5.00	90.00	1600	-18	99	0.00	Begin 1°/100' Build
3029	19.25	90.00	2990	-18	397	1.00	Begin 19.25° Tangent Section
4160	19.25	90.00	4058	-18	770	0.00	Begin 10°/100' drop build/turn
4509	30.00	179.10	4384	-108	831	10.00	Begin 10°/100' build
5109	90.00	179.10	4670	-604	839	10.00	Begin 90° lateral section
9058	90.00	179.10	4670	-4551	901	0.00	PBHL/TD

WELL PROFILE DATA svys

MD	Inc.	Azi.	TVD	N/-S	E/-W	DLS	Comment 10-22-2012
9052	89.01	180.27	4717	-4551	903	1.56	330 Hard line intercept @ 9052 MD
9152	88.20	180.10	4719	-4651	903	0.00	Survey Proj. to 9152 MD

calmena ENERGY SERVICES

Calmena Energy Services

Company: Shell Exploration and Production Company
Well: Harris Farms 3407 #8-1H
Location: Harper County, Kansas Sect8-34S-7W

Date: 22-Oct-2012
Surveys

Job# : 6717

NAD27 KS south gr elev=1343 RKB 1370.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.1° Az (feet)	Grid Y	Grid X	Comments
Surface Location								**160780.92**	**2115550.07**	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160780.92	2115550.07	
134.00	1.30	229.90	133.99	-0.98	-1.16	0.97	0.96	160779.94	2115548.91	
226.00	1.30	191.40	225.97	-2.67	-2.17	0.93	2.64	160778.25	2115547.90	
318.00	2.20	142.30	317.93	-5.09	-1.29	1.81	5.07	160775.83	2115548.78	
415.00	3.70	124.40	414.80	-8.34	2.43	1.80	8.37	160772.58	2115552.50	
507.00	4.10	121.50	506.58	-11.73	7.68	0.48	11.85	160769.19	2115557.75	
601.00	3.70	95.10	600.37	-13.76	13.57	1.94	13.97	160767.16	2115563.64	
694.00	4.30	97.40	693.15	-14.47	20.01	0.67	14.79	160766.45	2115570.08	
788.00	5.00	98.60	786.84	-15.54	27.56	0.75	15.97	160765.38	2115577.63	
858.00	5.00	96.80	856.57	-16.36	33.60	0.22	16.88	160764.56	2115583.67	
908.00	4.90	86.90	906.39	-16.50	37.90	1.72	17.09	160764.42	2115587.97	
1004.00	5.50	76.20	1001.99	-15.18	46.46	1.19	15.91	160765.74	2115596.53	
1098.00	5.30	77.30	1095.58	-13.15	55.07	0.24	14.01	160767.77	2115605.14	
1190.00	5.70	89.40	1187.16	-12.17	63.79	1.33	13.17	160768.75	2115613.86	
1284.00	6.40	88.80	1280.63	-12.01	73.69	0.75	13.17	160768.91	2115623.76	
1377.00	5.90	86.20	1373.10	-11.59	83.64	0.62	12.90	160769.33	2115633.71	
1471.00	5.30	99.00	1466.65	-11.94	92.75	1.47	13.40	160768.98	2115642.82	
1566.00	4.40	95.60	1561.31	-12.99	100.71	0.99	14.57	160767.93	2115650.78	
1658.00	6.00	90.70	1652.93	-13.39	109.03	1.80	15.10	160767.53	2115659.10	
1752.00	6.70	92.90	1746.35	-13.73	119.42	0.79	15.60	160767.19	2115669.49	
1846.00	6.30	92.10	1839.75	-14.19	130.05	0.44	16.23	160766.73	2115680.12	
1940.00	8.00	92.50	1933.01	-14.67	141.74	1.81	16.89	160766.25	2115691.81	
2036.00	9.10	92.30	2027.94	-15.26	156.00	1.15	17.71	160765.66	2115706.07	
2162.00	9.80	89.70	2152.23	-15.61	176.68	0.65	18.38	160765.31	2115726.75	
2228.00	11.50	91.80	2217.09	-15.78	188.88	2.64	18.75	160765.14	2115738.95	
2322.00	12.00	90.60	2309.12	-16.18	208.01	0.59	19.45	160764.74	2115758.08	
2418.00	12.60	93.30	2402.92	-16.89	228.45	0.87	20.48	160764.03	2115778.52	
2514.00	14.60	93.30	2496.23	-18.19	250.98	2.08	22.13	160762.73	2115801.05	
2610.00	15.90	90.00	2588.84	-18.88	276.21	1.63	23.22	160762.04	2115826.28	
2705.00	15.30	88.00	2680.35	-18.45	301.75	0.85	23.18	160762.47	2115851.82	

Calmena Energy Services

Company: Shell Exploration and Production Company
Well: Harris Farms 3407 #8-1H
Location: Harper County, Kansas Sect8-34S-7W

Date: 22-Oct-2012
Surveys

Job# : 6717
NAD27 KS south gr elev=1343 RKB 1370.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.1° Az (feet)	Grid Y	Grid X	Comments
2801.00	16.90	90.70	2772.58	-18.18	328.37	1.84	23.33	160762.74	2115878.44	
2897.00	18.30	90.00	2864.08	-18.35	357.39	1.47	23.96	160762.57	2115907.46	
2993.00	17.60	87.90	2955.41	-17.81	386.97	0.99	23.89	160763.11	2115937.04	
3088.00	18.30	86.40	3045.79	-16.35	416.21	0.88	22.89	160764.57	2115966.28	
3184.00	18.30	88.20	3136.93	-14.93	446.31	0.59	21.94	160765.99	2115996.38	
3279.00	19.10	90.50	3226.92	-14.60	476.76	1.15	22.09	160766.32	2116026.83	
3375.00	19.80	89.20	3317.44	-14.51	508.73	0.86	22.50	160766.41	2116058.80	
3471.00	19.40	89.30	3407.88	-14.09	540.93	0.42	22.58	160766.83	2116091.00	
3567.00	20.70	89.80	3498.06	-13.83	573.84	1.37	22.84	160767.09	2116123.91	
3662.00	19.70	89.90	3587.21	-13.75	606.64	1.05	23.27	160767.17	2116156.71	
3758.00	17.90	92.50	3678.09	-14.36	637.56	2.07	24.37	160766.56	2116187.63	
3853.00	17.70	92.80	3768.54	-15.70	666.57	0.23	26.17	160765.22	2116216.64	
3949.00	18.90	97.30	3859.69	-18.39	696.57	1.93	29.33	160762.53	2116246.64	
4044.00	17.00	94.40	3950.06	-21.41	725.69	2.21	32.81	160759.51	2116275.76	
4140.00	15.10	90.70	4042.32	-22.64	752.18	2.25	34.46	160758.28	2116302.25	
4172.00	16.00	95.30	4073.15	-23.10	760.74	4.77	35.05	160757.82	2116310.81	
4204.00	18.40	99.60	4103.71	-24.35	770.12	8.48	36.44	160756.57	2116320.19	
4236.00	21.30	105.20	4133.81	-26.72	780.71	10.83	38.98	160754.20	2116330.78	
4268.00	24.40	111.10	4163.30	-30.62	792.49	12.04	43.07	160750.30	2116342.56	
4299.00	26.20	119.00	4191.34	-36.25	804.45	12.33	48.88	160744.67	2116354.52	
4331.00	26.50	127.90	4220.02	-44.06	816.27	12.37	56.88	160736.86	2116366.34	
4363.00	26.60	135.40	4248.66	-53.55	826.94	10.47	66.53	160727.37	2116377.01	
4396.00	26.90	144.50	4278.14	-64.89	836.46	12.43	78.02	160716.03	2116386.53	
4427.00	26.90	153.40	4305.79	-76.88	843.68	12.98	90.12	160704.04	2116393.75	
4459.00	27.60	162.00	4334.25	-90.41	849.21	12.49	103.73	160690.51	2116399.28	
4491.00	28.70	169.80	4362.48	-105.02	852.86	11.99	118.41	160675.90	2116402.93	
4523.00	31.00	174.60	4390.23	-120.79	855.00	10.36	134.21	160660.13	2116405.07	
4555.00	34.00	177.10	4417.22	-137.94	856.23	10.27	151.37	160642.98	2116406.30	
4587.00	37.60	180.10	4443.17	-156.64	856.67	12.51	170.08	160624.28	2116406.74	
4619.00	41.40	182.10	4467.86	-176.99	856.26	12.52	190.42	160603.93	2116406.33	

Calmena Energy Services

Company: Shell Exploration and Production Company
Well: Harris Farms 3407 #8-1H
Location: Harper County, Kansas Sect8-34S-7W

Date: 22-Oct-2012
Surveys

Job# : 6717
NAD27 KS south gr elev=1343 RKB 1370.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.1° Az (feet)	Grid Y	Grid X	Comments
4651.00	44.80	182.40	4491.22	-198.83	855.40	10.64	212.24	160582.09	2116405.47	
4683.00	48.00	182.10	4513.29	-221.99	854.49	10.02	235.38	160558.93	2116404.56	
4715.00	51.50	182.80	4533.96	-246.38	853.44	11.06	259.76	160534.54	2116403.51	
4747.00	54.60	183.40	4553.19	-271.92	852.06	9.80	285.27	160509.01	2116402.13	
4779.00	57.90	183.30	4570.97	-298.47	850.50	10.32	311.80	160482.45	2116400.57	
4811.00	60.80	182.20	4587.28	-325.97	849.19	9.53	339.27	160454.95	2116399.26	
4843.00	63.90	181.50	4602.13	-354.29	848.28	9.88	367.57	160426.63	2116398.35	
4875.00	67.00	181.80	4615.42	-383.39	847.44	9.72	396.65	160397.53	2116397.51	
4906.00	70.70	182.20	4626.61	-412.28	846.43	12.00	425.52	160368.65	2116396.50	
4938.00	73.50	183.00	4636.44	-442.69	845.04	9.07	455.91	160338.23	2116395.11	
4970.00	76.50	183.50	4644.72	-473.55	843.29	9.50	486.73	160307.37	2116393.36	
5002.00	79.80	183.20	4651.29	-504.81	841.46	10.35	517.96	160276.11	2116391.53	
5033.00	83.50	182.00	4655.80	-535.44	840.07	12.53	548.57	160245.48	2116390.14	
5065.00	86.30	181.20	4658.64	-567.30	839.18	9.10	580.41	160213.62	2116389.25	
5097.00	87.70	180.80	4660.31	-599.25	838.62	4.55	612.35	160181.67	2116388.69	
5110.00	87.90	180.80	4660.81	-612.24	838.44	1.54	625.33	160168.68	2116388.51	
5129.00	88.50	180.90	4661.41	-631.23	838.16	3.20	644.31	160149.69	2116388.23	
5193.00	87.80	179.90	4663.48	-695.19	837.71	1.91	708.26	160085.73	2116387.78	
5289.00	88.60	180.30	4666.49	-791.14	837.55	0.93	804.20	159989.78	2116387.62	
5322.00	88.80	180.30	4667.24	-824.13	837.37	0.61	837.18	159956.79	2116387.44	
5337.00	88.30	180.10	4667.62	-839.13	837.32	3.59	852.18	159941.79	2116387.39	
5382.00	89.40	179.50	4668.52	-884.12	837.48	2.78	897.16	159896.80	2116387.55	
5478.00	86.60	179.60	4671.87	-980.05	838.23	2.92	993.09	159800.87	2116388.30	
5574.00	87.40	180.30	4676.90	-1075.91	838.32	1.11	1088.95	159705.01	2116388.39	
5669.00	86.70	178.70	4681.79	-1170.78	839.14	1.84	1183.82	159610.14	2116389.21	
5765.00	88.50	178.70	4685.81	-1266.67	841.32	1.88	1279.73	159514.25	2116391.39	
5861.00	88.60	177.60	4688.24	-1362.59	844.42	1.15	1375.68	159418.33	2116394.49	
5956.00	90.00	177.60	4689.40	-1457.49	848.40	1.47	1470.64	159323.43	2116398.47	
6051.00	89.40	177.50	4689.89	-1552.41	852.46	0.64	1565.60	159228.52	2116402.53	
6146.00	87.70	177.90	4692.30	-1647.29	856.27	1.84	1660.54	159133.63	2116406.34	

Calmena Energy Services

Company: Shell Exploration and Production Company
Well: Harris Farms 3407 #8-1H
Location: Harper County, Kansas Sect8-34S-7W

Date: 22-Oct-2012
Surveys

Job# : 6717
NAD27 KS south gr elev=1343 RKB 1370.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.1° Az (feet)	Grid Y	Grid X	Comments
6241.00	90.20	179.00	4694.04	-1742.23	858.84	2.87	1755.51	159038.69	2116408.91	
6335.00	90.00	180.10	4693.88	-1836.23	859.57	1.19	1849.51	158944.69	2116409.64	
6431.00	89.20	180.30	4694.54	-1932.23	859.24	0.86	1945.48	158848.69	2116409.31	
6526.00	90.60	179.90	4694.71	-2027.22	859.07	1.53	2040.47	158753.70	2116409.14	
6622.00	88.50	180.00	4695.46	-2123.22	859.16	2.19	2136.45	158657.71	2116409.23	
6718.00	90.20	179.10	4696.55	-2219.20	859.91	2.00	2232.43	158561.72	2116409.98	
6813.00	89.30	178.10	4696.97	-2314.17	862.23	1.42	2327.43	158466.75	2116412.30	
6908.00	89.40	178.00	4698.05	-2409.11	865.47	0.15	2422.41	158371.81	2116415.54	
7004.00	89.90	177.00	4698.63	-2505.01	869.65	1.16	2518.37	158275.91	2116419.72	
7100.00	82.90	175.80	4704.66	-2600.57	875.66	7.40	2614.01	158180.35	2116425.73	
7195.00	85.60	176.20	4714.17	-2694.86	882.25	2.87	2708.38	158086.06	2116432.32	
7290.00	88.10	177.00	4719.39	-2789.54	887.88	2.76	2803.14	157991.38	2116437.95	
7386.00	89.80	178.00	4721.15	-2885.43	892.06	2.05	2899.08	157895.49	2116442.13	
7482.00	91.10	179.40	4720.40	-2981.39	894.24	1.99	2995.07	157799.53	2116444.31	
7577.00	91.20	178.90	4718.49	-3076.37	895.65	0.54	3090.05	157704.56	2116445.72	
7673.00	92.10	180.20	4715.73	-3172.32	896.40	1.65	3186.01	157608.60	2116446.47	
7769.00	92.50	179.20	4711.88	-3268.24	896.91	1.12	3281.92	157512.68	2116446.98	
7865.00	92.00	180.10	4708.11	-3364.16	897.49	1.07	3377.84	157416.76	2116447.56	
7961.00	90.90	179.60	4705.68	-3460.13	897.74	1.26	3473.80	157320.79	2116447.81	
8056.00	90.90	179.80	4704.18	-3555.12	898.24	0.21	3568.79	157225.81	2116448.31	
8153.00	90.30	178.80	4703.17	-3652.10	899.43	1.20	3665.78	157128.82	2116449.50	
8248.00	89.40	178.90	4703.42	-3747.08	901.33	0.95	3760.78	157033.84	2116451.40	
8344.00	89.00	179.40	4704.76	-3843.06	902.76	0.67	3856.77	156937.86	2116452.83	
8440.00	88.90	178.60	4706.52	-3939.03	904.43	0.84	3952.75	156841.89	2116454.50	
8535.00	89.40	178.30	4707.93	-4033.98	907.00	0.61	4047.73	156746.94	2116457.07	
8631.00	87.30	178.90	4710.69	-4129.91	909.35	2.27	4143.68	156651.01	2116459.42	
8726.00	88.10	180.30	4714.50	-4224.83	910.01	1.70	4238.60	156556.09	2116460.08	
8821.00	90.30	182.00	4715.83	-4319.79	908.10	2.93	4333.52	156461.13	2116458.17	
8917.00	89.90	181.70	4715.66	-4415.74	905.00	0.52	4429.41	156365.18	2116455.07	
9013.00	89.60	180.40	4716.08	-4511.72	903.24	1.39	4525.35	156269.20	2116453.31	

Calmena Energy Services

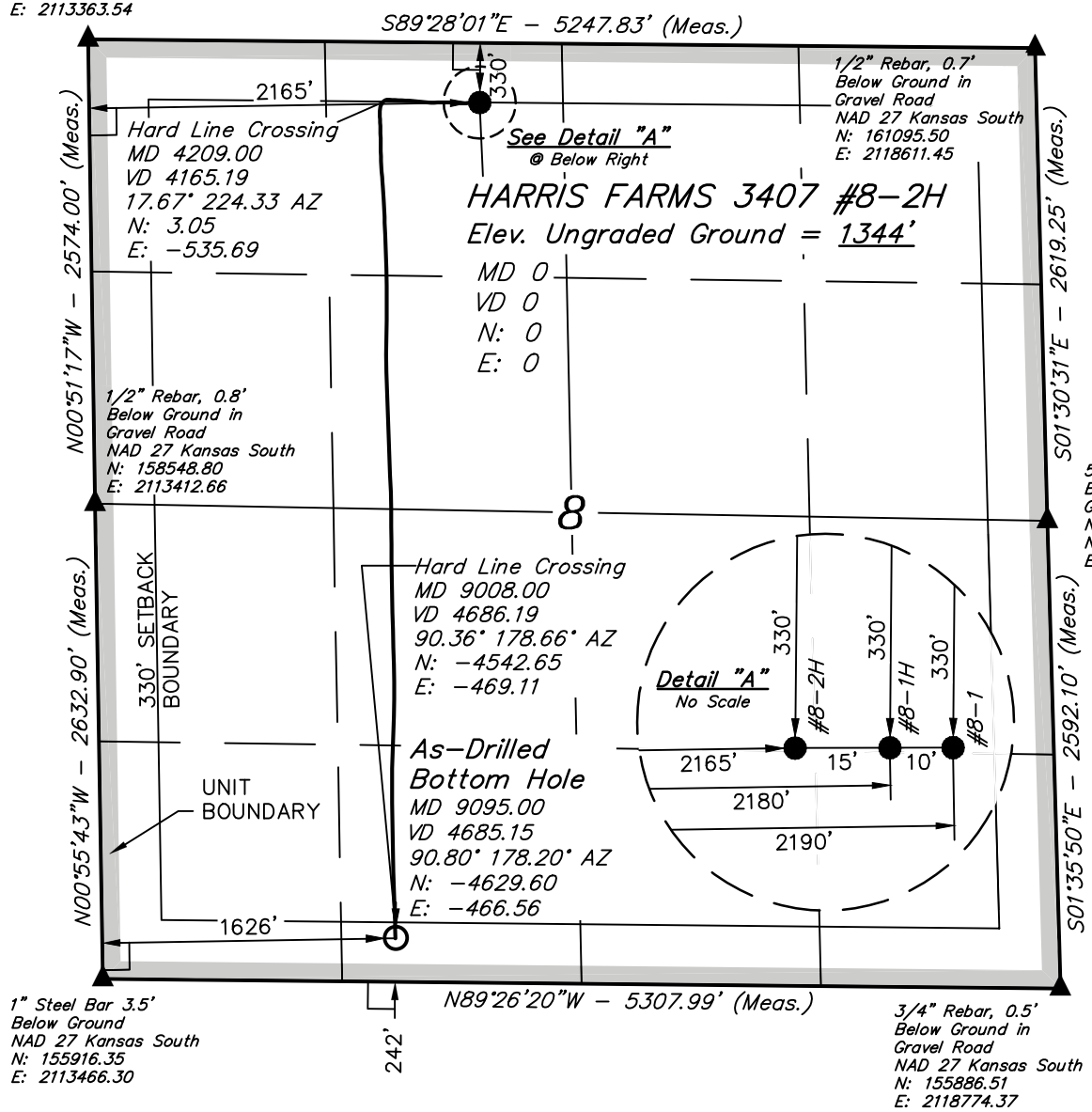
Company: Shell Exploration and Production Company
Well: Harris Farms 3407 #8-1H
Location: Harper County, Kansas Sect8-34S-7W

Date: 22-Oct-2012
Surveys

Job# : 6717
NAD27 KS south gr elev=1343 RKB 1370.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.1° Az (feet)	Grid Y	Grid X	Comments
9052.00	89.01	180.27	4716.56	-4550.72	903.01	1.56	4564.34	156230.20	2116453.08	330 Hard line intercept
9105.00	88.20	180.10	4717.85	-4603.70	902.84	1.56	4617.31	156177.22	2116452.91	
9152.00	88.20	180.10	4719.32	-4650.68	902.76	0.00	4664.28	156130.24	2116452.83	Survey Proj. to 9152 MD

T34S, R7W, 6th P.M.



SGOMI

Well location, HARRIS FARMS 3407 #8–2H, located as shown in the NE 1/4 NW 1/4 of Section 8, T34S, R7W, 6th P.M., Harper County, Kansas.

BASIS OF ELEVATION

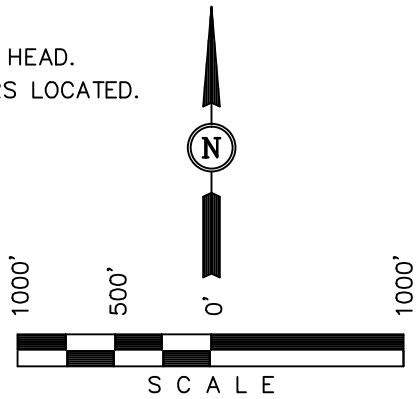
SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert Lee Slough 161451

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161451
STATE OF KANSAS

11-20-12

ROBERT LEE SLOUGH 161451 JUSTIN P. CARROLL REGISTERED LAND SURVEYOR STATE OF KANSAS

NAD 83 (#8–2H AS–DRILLED BOTTOM HOLE)	NAD 83 (#8–2H SURFACE LOCATION)
LATITUDE = 37°05'41.50" (37.094861)	LATITUDE = 37°06'27.28" (37.107578)
LONGITUDE = 98°06'20.82" (98.105783)	LONGITUDE = 98°06'15.05" (98.104181)
NAD 27 (#8–2H AS–DRILLED BOTTOM HOLE)	NAD 27 (#8–2H SURFACE LOCATION)
LATITUDE = 37°05'41.42" (37.094839)	LATITUDE = 37°06'27.19" (37.107553)
LONGITUDE = 98°06'19.59" (98.105442)	LONGITUDE = 98°06'13.82" (98.103839)
STATE PLANE NAD 27 (KANSAS SOUTH)	STATE PLANE NAD 27 (KANSAS SOUTH)
N: 156149.28 E: 2115087.84	N: 160780.94 E: 2115535.11

NOTE:
AS–DRILLED WELL BORE PATH AND INFORMATION PROVIDED BY SGOMI.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10–10–12	11–20–12
PARTY: L.S. J.P. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: SGOMI	

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/

January 09, 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 15-077-21846-01-00
Harris Farms 3407 8-1H
NW/4 Sec.08-34S-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

Summary of Changes

Lease Name and Number: Harris Farms 3407 8-1H

API/Permit #: 15-077-21846-01-00

Doc ID: 1101220

Correction Number: 2

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Amount of Surface Pipe Set and Cemented at	0	829
Approved Date	07/09/2012	01/11/2013
CasingAdd_Type_PctPDF_1	15% Fly Ash	Attached
CasingNumbSacksUsedPDF_1	36	Attached
CasingPurposeOfStringPDF_1	Conductor	Attached
CasingSettingDepthPDF_1	60	Attached
CasingSizeCasingSetPDF_1	18	Attached
CasingSizeHoleDrilledPDF_1	26	Attached
CasingTypeOfCementPDF_1	1/2 Portland cement	Attached
CasingWeightPDF_1	47.44	Attached

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
Completion Or Recompletion Date	06/19/2012	12/15/2012
Date Reached TD	06/19/2012	10/19/2012
Electric Log Run?	No	Yes
Electric Log Submitted Electronically?		Yes
Elogs_PDF		Triple Combo
Formation Top Source - Log	No	Yes
Liner Run?		Yes
Method Of Completion - Perf	No	Yes
Perf_Depth_1		Attached
Perf_Material_1		Attached
Perf_Record_1	CONDUCTOR ONLY	Attached
Perf_Shots_1		Attached
Producing Formation	CONDUCTOR ONLY	Mississippi

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
Production Interval #1		5440 - 9028
Purchaser's Name	CONDUCTOR ONLY	
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1086661	../../kcc/detail/operatorEditDetail.cfm?docID=1101220
Spud Or Recompletion Date	06/19/2012	08/31/2012
TopsDepth1		4282
TopsDepth2		4478
TopsDepth3		4495
TopsDepth4		4620
TopsDepth5		4810
TopsDepth6		5075
TopsName1	CONDUCTOR ONLY	Iola
TopsName2		Swope
TopsName3		Hushpuckney

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
TopsName4		Marmaton
TopsName5		Cherokee
TopsName6		Mississippi
Total Depth	60	9152
Tubing Packer At		N/A
Tubing Record - Set At		3738
Tubing Size		2.875

Summary of Attachments

Lease Name and Number: Harris Farms 3407 8-1H

API: 15-077-21846-01-00

Doc ID: 1101220

Correction Number: 2

Attachment Name

HARRIS FARMS 3407 #8-1H Conductor record

HARRIS FARMS 3407 #8-1H Surface cement rpt

HARRIS FARMS 3407 #8-1H Intermediate cement rpt

HARRIS FARMS 3407 #8-1H Liner cement rpt

Harris Farms 3407 #8-1H directional survey

HARRIS FARM 3407 #8-2H - AS-DRILLED Plat

Two Year Confidentiality

CORRECTION #1

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1086661

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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: Bess Colberg
Purchaser: CONDUCTOR ONLY

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

06/19/2012	06/19/2012	06/19/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21846-01-00
Spot Description:
W2 - NE - NE - NW Sec. 8 Twp. 34 S. R. 7 [ ] East [x] West
330 Feet from [x] North / [ ] South Line of Section
2180 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [x] NW
- [ ] SE
- [ ] SW

County: Harper
Lease Name: Harris Farms 3407 Well #: 8-1H
Field Name: Wildcat
Producing Formation: CONDUCTOR ONLY
Elevation: Ground: 1347 Kelly Bushing: 1375
Total Depth: 60 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 0 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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 [x] 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

- [x] **Letter of Confidentiality Received**
  Date: 07/06/2012
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 07/09/2012

CORRECTION #1
Side Two

1086661

Operator Name: Shell Gulf of Mexico Inc. Lease Name: Harris Farms 3407 Well #: 8-1H

Sec. 8 Twp. 34 S. R. 7 ☐ East ☑ West County: Harper

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

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

Name Top Datum
CONDUCTOR ONLY

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	47.44	60	1/2 Portland cemen	36	15% Fly Ash

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	-			
	-			

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
	CONDUCTOR ONLY		

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

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

Summary of Changes

Lease Name and Number: Harris Farms 3407 8-1H

API/Permit #: 15-077-21846-01-00

Doc ID: 1086661

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	07/06/2012	07/09/2012
Kelly Bushing Elevation	1475	1375
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1086411	../../kcc/detail/operatorEditDetail.cfm?docID=1086661

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1086411

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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: Bess Colberg
Purchaser: CONDUCTOR ONLY

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

06/19/2012	06/19/2012	06/19/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21846-01-00
Spot Description:
W2 - NE - NE - NW Sec. 8 Twp. 34 S. R. 7 [ ] East [x] West
330 Feet from [x] North / [ ] South Line of Section
2180 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [x] NW
- [ ] SE
- [ ] SW

County: Harper
Lease Name: Harris Farms 3407 Well #: 8-1H
Field Name: Wildcat
Producing Formation: CONDUCTOR ONLY
Elevation: Ground: 1347 Kelly Bushing: 1475
Total Depth: 60 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 0 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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 [x] 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

- [x] **Letter of Confidentiality Received**
  Date: 07/06/2012
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 07/06/2012

Side Two

1086411

Operator Name: Shell Gulf of Mexico Inc. Lease Name: Harris Farms 3407 Well #: 8-1H

Sec. 8 Twp. 34 S. R. 7 ☐ East ☑ West County: Harper

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

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

Name Top Datum

CONDUCTOR ONLY

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	47.44	60	1/2 Portland cemen	36	15% Fly Ash

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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
	CONDUCTOR ONLY		

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

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

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/

July 06, 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 15-077-21846-01-00
Harris Farms 3407 8-1H
NW/4 Sec.08-34S-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