



KANSAS CORPORATION COMMISSION 1098288
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
06/03/2012 08/16/2012 09/19/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-077-21812-01-00
Spot Description: _____
SE NW NW NW Sec. 11 Twp. 35 S. R. 9 East West
400 Feet from North / South Line of Section
505 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Harper
Lease Name: Chain Land 3509 Well #: 11-2H
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 1249 Kelly Bushing: 1269
Total Depth: 9999 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 834 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 #: SDHE Permit # 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

Letter of Confidentiality Received
Date: 10/24/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 10/24/2012



1098288

Operator Name: Shell Gulf of Mexico Inc. Lease Name: Chain Land 3509 Well #: 11-2H
 Sec. 11 Twp. 35 S. R. 9 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hushpuckney	4387	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marmaton	4500	
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cherokee	4670	
		Mississippi	4961	

List All E. Logs Run:
Triple Combo

CASING RECORD <input checked="" 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
Conductor	26	18	47.44	60	1/2 Portland Cml	42	15% Fly Ash
Surface	12.25	9.625	36	834	Class C	500	2%CACL2
Intermediate	8.75	7	26	5115	Class C	750	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	-			

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
Attached	Attached	Attached	Attached

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>4113</u>	Packer At:	Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
				Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Chain Land 3509 11-2H
Doc ID	1098288

Perforations

Steps Per Foot	Perforation Record	Material Record	Depth
1	P-Sleeve @ 5331'	158844 gals fluid, 120296# proppant	5331'
1	P-Sleeve @ 5718'	121002 gals fluids, 78497# proppant	5718'
1	P-Sleeve @ 6096'	134400 gals fluids, 73525# proppant	6096'
1	P-Sleeve @ 6485'	123942 gals fluids, 77147# proppant	6485'
1	P-Sleeve @ 6943'	127995 gals fluids, 73612# proppant	6943'
1	P-Sleeve @ 7331'	128730 gals fluids, 75610# proppant	7331'
1	P-Sleeve @ 7677'	130839 gals fluids, 71332# proppant	7677'
1	P-Sleeve @ 8070'	131714 gals fluids, 74074# proppant	8070'
1	P-Sleeve @ 8448'	132521 gals fluids, 75217# proppant	8448'
1	P-Sleeve @ 8826'	133963 gals fluids, 77843# proppant	8826'
1	P-Sleeve @ 9429'	134139 gals fluids, 79201# proppant	9429'
1	P-Sleeve @ 9854'	165212 gals fluids, 78051# proppant	9854
1	P-Sleeve @ 10276'	136794 gals fluids, 77340# proppant	10276
1	P-Sleeve @ 10665'	136794 gals fluids, 72272# proppant	10665'
1	P-Sleeve @ 11099'	136794 gals fluids, 77430# proppant	11099'

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Chain Land 3509 11-2H
Doc ID	1098288

Perforations

Count Per Foot	Perforation Record	Metric Record	Depth
1	P-Sleeve @ 11527'	148344 gals fluids, 77035# proppant	11527'
1	P-Sleeve @ 11995'	210714 gals fluids, 61793# proppant	11995'

SHELL GULF OF MEXICO, INC. (34574)	Chain Land 3509 11	
PETE MARTIN DRILLING (34645) (SET THE CONDUCTOR)	2-H conductor	2-H mouse Hole
Call in DATE OF SPUD	5/17/2012	
spud in date	5/18/2012	5/24/2012
T.D date	5/20/2012	5/24/2012
Size Hole Drilled	26"	20"
Size Casing Set (in O.D)	18"	14"
conductor wall thickness	.250	.188
Weight Lbs./Ft.	47.44ppf	27.76
Setting Depth	60'	76'
Type of Cement	type 1/2 portland cement	type 1/2 portland cement
Cubic yards of cement	7cy	6 cy
2500 PSI Grout Mix	yes	yes
Type and Percent of Additives	15%flyash	15% fly ash
Comments	0-10'dirt10'-32'sand32'-60' clay water@8'	0-7' dirt 7'-32' sand 32'-76' clay

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC		DATE 05-JUN-12	F.R. # 1001912754	SERV. SUPV. JUSTIN D STAMPER	
LEASE & WELL NAME CHAIN LAND 3509 #11-2H - API 15077218120000		LOCATION 11-35S-9W		COUNTY-PARISH-BLOCK Harper Kansas	
DISTRICT McAlester		DRILLING CONTRACTOR RIG #		TYPE OF JOB Surface	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS	
9-5/8" Top Cem Plug, Nitrile cvr, Phr		Shoe PROVIDED BY CUSTOMER		MD	TVD
				MD	TVD
				MD	TVD
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG
WATER					8.34
CLASS C+2%CACL2				500	14.8
Water					8.34
Available Mix Water 500		Bbl.		Available Displ. Fluid 500	Bbl.
				TOTAL	195.89
					75.45
COLLAR DEPTHS					
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
12.25		847	8.921	9.625	36 CSG
				MD	TVD
				834	834
				GRADE	J-55
				SHOE	834
				FLOAT	796
				STAGE	
WELL FLUID					
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT	TYPE	MD	TVD
17	18	84		60	60
		BRAND & TYPE		DEPTH	TOP
				BTM	9.625
				SIZE	8RD
				THREAD	
				TYPE	WATER BASED ML
				WGT.	9
DISPLACEMENT					
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
61	BBLs	Water	8.34	300	
				OP. MAX	SQ. PSI
				MAX TBG PSI	RATED
				Operator	
				MAX CSG PSI	RATED
				Operator	
				MIX WATER	RIG
					3160
					1500
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		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE
	PIPE	ANNULUS			
21:00					
23:30					
00:35	2500				
00:46	100		4	20	WATER
01:12	400		4	120	SLURRY
01:30	400		5	51	WATER
01:40	400		2	10	WATER
01:41					
EXPLANATION					
SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>					
TEST LINES 2500 PSI					
CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ					
ARRIVE ON LOCATION					
SAFETY MEETING					
TEST LINES, START SPACER					
FINISH SPACER, START SLURRY					
FINISH SLURRY, SHUT DOWN, DROP PLUG, START DISPLACEMENT					
SLOW DOWN TO BUMP					
BUMP PUG, PRESSURE TO 800PSI					
BLEED OFF, RECEIVED .25 BBLs BACK TO TRUCK					
FLOAT HOLDING					
RECEIVED 55 BBLs OF CEMENT BACK 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
Y N	800	Y N	55	201	0
				SPOT TOP OUT CEMENT	Y N
				SERVICE SUPERVISOR SIGNATURE:	
				<i>[Signature]</i>	

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC		DATE 03-AUG-12	F.R. # 1001926202		SERV. SUPV. JUSTIN D STAMPER									
LEASE & WELL NAME CHAIN LAND 3509 #11-2H - API 15077218120000		LOCATION 11-35S-9W			COUNTY-PARISH-BLOCK Harper Kansas									
DISTRICT McAlester		DRILLING CONTRACTOR RIG #			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		Shoe PROVIDED BY CUSTOMER												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT								
SEALBOND					8.45									
15:85:8(POZ,C,GEL)+10%SALT+.5%SMS+4PPS KOLS				650	12.4	2.45								
50:50:2(POZ,C,GEL)+4#KOLSL+.15%SMS+.3%FL52				100	14.2	1.32								
WATER					8.34									
Available Mix Water <u>1000</u> Bbl.		Available Displ. Fluid <u>1000</u> Bbl.		TOTAL		541 223.27								
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75		5150	6.366	7	26	CSG	5115	4771	P-110	5115	5025			
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		800	800			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	
193	BBLs	WATER	8.34	1400					7968	5000			RIG	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:ARRIVE ON LOCATION RIG UP, WAIT ON RIG														
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 7700 PSI								
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>								
04:00						ARRIVE ON LOCATION								
20:00						SAFETY MEETING								
20:49	7700				WATER	TEST LINES, START LEAD SLURRY, RIG TO PUMP 40 BBL SPACER								
22:03	190		4	284	LEAD	FINISH LEAD, START TAIL								
22:11	100		3	24	TAIL	FINISH TAIL, DROP PLUG AND DISPLACE								
22:46	1000		4	150	WATER	SLOW TO BUMP PLUG								
23:03	1200		3	43	WATER	BUMP PLUG, PRESSURE TO 1700 PSI								
23:04	0					BLEED OFF AND CHECK FLOATS, RECEIVED 1 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 <input type="checkbox"/> N <input checked="" type="checkbox"/>		Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	10	541	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>								



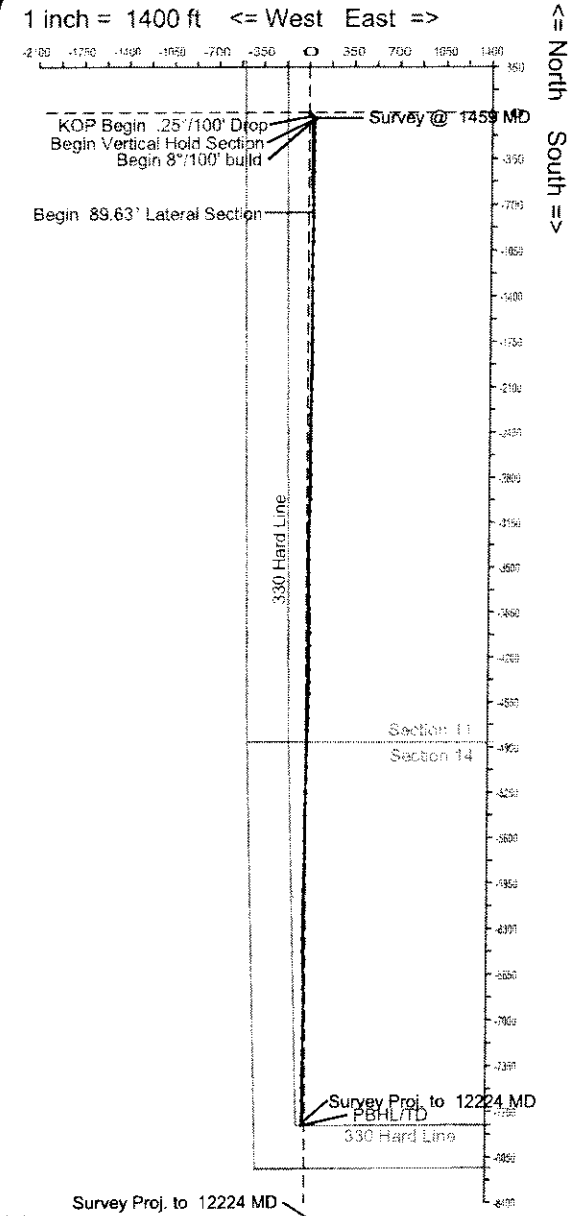
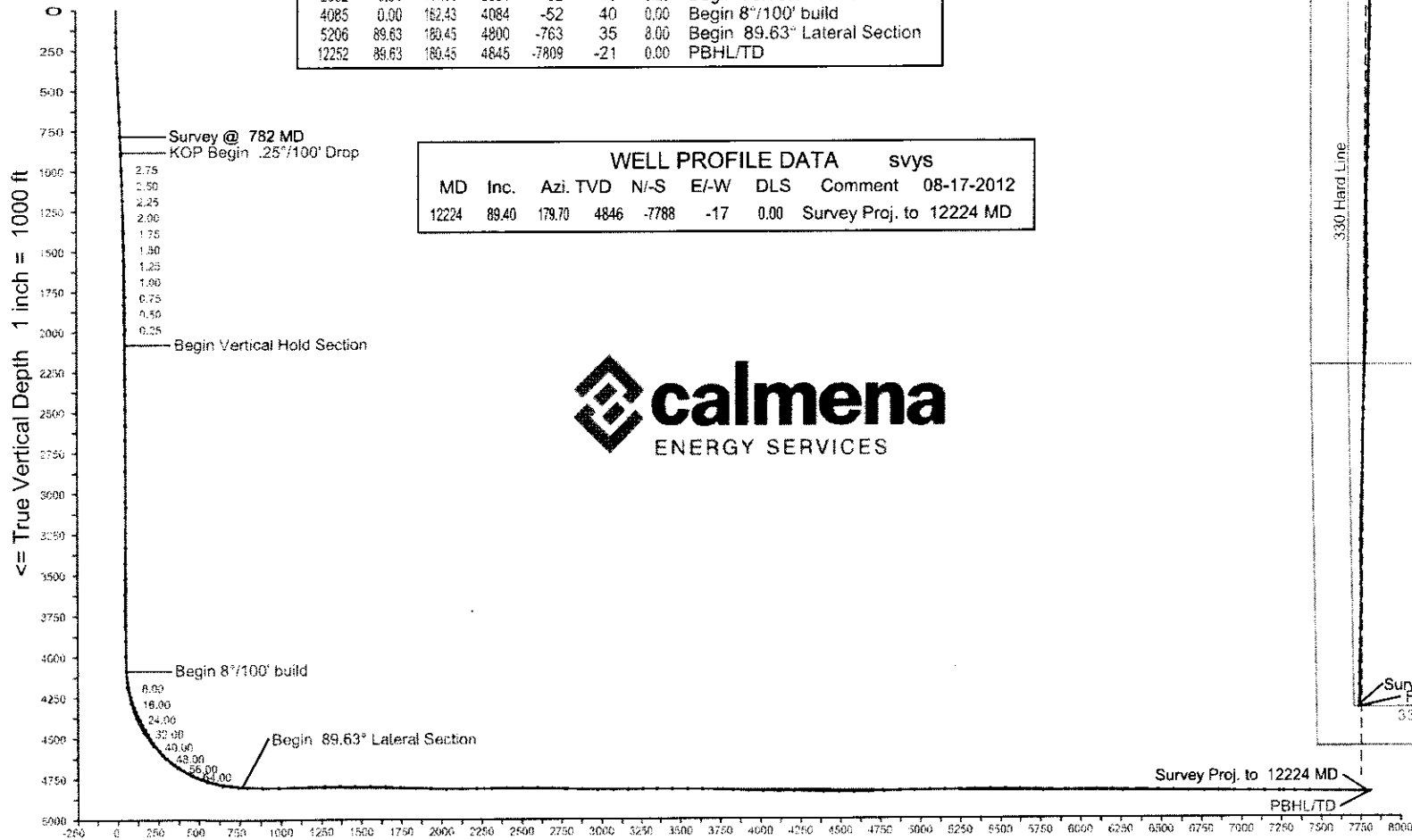
Shell Exploration and Production Company

Chain Land 3509 #11-2H

Harper County, Kansas

WELL PROFILE DATA rev3							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
782	3.00	141.90	781	-23	18	0.00	Survey @ 782 MD
882	3.00	141.90	881	-27	21	0.00	KOP Begin .25"/100' Drop
2082	0.00	141.90	2081	-52	40	0.25	Begin Vertical Hold Section
4085	0.00	152.43	4084	-52	40	0.00	Begin 8"/100' build
5206	89.63	160.45	4800	-763	35	8.00	Begin 89.63° Lateral Section
12252	89.63	160.45	4845	-7809	-21	0.00	PBHL/TD

WELL PROFILE DATA svys							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
12224	89.40	179.70	4846	-7788	-17	0.00	Survey Proj. to 12224 MD



Vertical Section on 180.15 deg azimuth with reference 0.00 N, 0.00 E

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012
 Surveys
 Page 1
 Job# : 6603

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
								128870.11	2066652.25	
Surface Location								128870.11	2066652.25	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128870.11	2066652.25	
134.00	0.10	113.80	134.00	-0.05	0.11	0.07	0.05	128870.06	2066652.36	
226.00	0.50	152.90	226.00	-0.44	0.36	0.46	0.44	128869.67	2066652.61	
319.00	2.80	154.10	318.95	-2.84	1.54	2.47	2.84	128867.27	2066653.79	
414.00	3.70	152.80	413.80	-7.66	3.96	0.95	7.65	128862.45	2066656.21	
506.00	3.50	133.50	505.62	-12.23	7.35	1.33	12.21	128857.88	2066659.60	
598.00	3.20	130.40	597.46	-15.83	11.34	0.38	15.80	128854.28	2066663.59	
690.00	2.80	139.70	689.34	-19.20	14.75	0.68	19.17	128850.91	2066667.00	
782.00	3.00	141.90	781.22	-22.81	17.69	0.25	22.77	128847.30	2066669.94	
896.00	2.80	145.40	895.08	-27.45	21.11	0.23	27.40	128842.66	2066673.36	
991.00	2.40	142.30	989.98	-30.94	23.65	0.45	30.87	128839.17	2066675.90	
1085.00	2.00	142.00	1083.91	-33.79	25.86	0.43	33.72	128836.32	2066678.11	
1180.00	1.60	139.40	1178.86	-36.10	27.74	0.43	36.03	128834.01	2066679.99	
1275.00	1.40	143.00	1273.83	-38.03	29.30	0.23	37.96	128832.08	2066681.55	
1367.00	1.30	136.00	1365.80	-39.68	30.71	0.21	39.60	128830.43	2066682.96	
1459.00	1.30	140.10	1457.78	-41.23	32.10	0.10	41.15	128828.88	2066684.35	
1551.00	0.80	144.20	1549.76	-42.55	33.14	0.55	42.47	128827.56	2066685.39	
1644.00	0.60	141.10	1642.76	-43.46	33.83	0.22	43.37	128826.65	2066686.08	
1736.00	0.60	128.10	1734.75	-44.13	34.51	0.15	44.04	128825.98	2066686.76	
1828.00	0.40	128.60	1826.75	-44.63	35.14	0.22	44.54	128825.48	2066687.39	
1922.00	0.60	145.10	1920.74	-45.24	35.68	0.26	45.14	128824.87	2066687.93	
2014.00	0.60	131.10	2012.74	-45.95	36.32	0.16	45.85	128824.16	2066688.57	
2106.00	0.60	125.90	2104.73	-46.55	37.07	0.06	46.45	128823.56	2066689.32	
2198.00	0.60	120.10	2196.73	-47.07	37.88	0.07	46.97	128823.04	2066690.13	
2292.00	0.50	124.60	2290.73	-47.55	38.64	0.12	47.45	128822.56	2066690.89	
2387.00	0.40	127.50	2385.72	-47.99	39.25	0.11	47.89	128822.12	2066691.50	
2481.00	0.40	105.80	2479.72	-48.28	39.82	0.16	48.17	128821.83	2066692.07	
2576.00	0.50	113.60	2574.72	-48.53	40.52	0.12	48.43	128821.58	2066692.77	
2671.00	0.80	110.40	2669.71	-48.93	41.52	0.32	48.82	128821.18	2066693.77	
2766.00	0.70	114.40	2764.70	-49.40	42.67	0.12	49.29	128820.71	2066694.92	

NAD27 Ks South gr elev=1242 RKB=1269.5

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012

Surveys

Page 2

Job# : 6603

NAD27 Ks South gr elev=1242 RKB=1269.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
2860.00	0.40	89.20	2858.70	-49.64	43.52	0.40	49.52	128820.47	2066695.77	
2955.00	0.40	91.70	2953.70	-49.64	44.19	0.02	49.52	128820.47	2066696.44	
3050.00	0.50	93.00	3048.69	-49.67	44.93	0.11	49.55	128820.44	2066697.18	
3144.00	0.40	78.30	3142.69	-49.63	45.66	0.16	49.51	128820.48	2066697.91	
3239.00	0.50	74.90	3237.69	-49.45	46.39	0.11	49.33	128820.66	2066698.64	
3333.00	1.20	56.40	3331.68	-48.80	47.60	0.79	48.68	128821.31	2066699.85	
3428.00	1.10	61.80	3426.66	-47.82	49.24	0.16	47.69	128822.29	2066701.49	
3522.00	2.40	49.80	3520.61	-46.12	51.53	1.43	45.99	128823.99	2066703.78	
3617.00	0.40	352.60	3615.58	-44.51	53.01	2.33	44.37	128825.60	2066705.26	
3712.00	2.10	238.60	3710.56	-45.09	51.48	2.41	44.95	128825.02	2066703.73	
3807.00	1.90	232.90	3805.50	-46.94	48.74	0.30	46.82	128823.17	2066700.99	
3901.00	1.50	230.20	3899.46	-48.67	46.55	0.43	48.55	128821.44	2066698.80	
3995.00	1.20	235.60	3993.43	-50.02	44.80	0.35	49.90	128820.09	2066697.05	
4090.00	2.90	205.80	4088.37	-52.74	42.93	2.05	52.63	128817.37	2066695.18	
4121.00	5.50	203.90	4119.29	-54.81	41.99	8.40	54.70	128815.30	2066694.24	
4153.00	7.90	198.90	4151.07	-58.29	40.65	7.71	58.18	128811.82	2066692.90	
4184.00	10.00	197.40	4181.69	-62.87	39.16	6.82	62.77	128807.24	2066691.41	
4216.00	13.20	195.60	4213.03	-69.05	37.34	10.06	68.95	128801.06	2066689.59	
4248.00	16.30	192.90	4243.97	-76.94	35.36	9.92	76.85	128793.17	2066687.61	
4280.00	19.50	190.10	4274.42	-86.58	33.42	10.35	86.49	128783.53	2066685.67	
4311.00	22.80	185.20	4303.33	-97.66	31.97	12.07	97.58	128772.45	2066684.22	
4343.00	24.50	181.90	4332.64	-110.47	31.18	6.73	110.39	128759.64	2066683.43	
4374.00	25.30	180.20	4360.76	-123.52	30.95	3.46	123.44	128746.59	2066683.20	
4406.00	26.50	178.70	4389.55	-137.49	31.09	4.27	137.41	128732.62	2066683.34	
4438.00	27.60	178.40	4418.05	-152.04	31.45	3.46	151.96	128718.07	2066683.70	
4469.00	28.70	178.60	4445.38	-166.66	31.84	3.56	166.58	128703.45	2066684.09	
4502.00	30.10	179.30	4474.13	-182.86	32.13	4.37	182.77	128687.25	2066684.38	
4533.00	32.40	180.00	4500.63	-198.94	32.23	7.51	198.85	128671.17	2066684.48	
4565.00	35.60	179.00	4527.15	-216.83	32.39	10.15	216.74	128653.28	2066684.64	
4596.00	38.50	179.40	4551.89	-235.50	32.65	9.39	235.42	128634.61	2066684.90	

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012
 Surveys
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 Job# : 6603

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
4628.00	41.20	180.40	4576.46	-256.00	32.68	8.67	255.92	128614.11	2066684.93	
4660.00	44.20	181.00	4599.97	-277.70	32.41	9.46	277.62	128592.41	2066684.66	
4692.00	47.90	180.50	4622.18	-300.73	32.11	11.62	300.65	128569.38	2066684.36	
4724.00	52.00	180.90	4642.76	-325.22	31.81	12.85	325.14	128544.89	2066684.06	
4755.00	54.70	181.50	4661.27	-350.09	31.29	8.85	350.00	128520.02	2066683.54	
4787.00	57.40	181.60	4679.14	-376.62	30.57	8.44	376.54	128493.49	2066682.82	
4819.00	59.80	182.00	4695.81	-403.92	29.71	7.58	403.84	128466.19	2066681.96	
4851.00	62.40	181.50	4711.27	-431.92	28.86	8.24	431.84	128438.19	2066681.11	
4882.00	64.80	179.80	4725.05	-459.68	28.54	9.17	459.60	128410.43	2066680.79	
4914.00	66.90	178.50	4738.15	-488.87	28.98	7.54	488.79	128381.24	2066681.23	
4945.00	69.70	179.90	4749.61	-517.67	29.38	9.96	517.59	128352.44	2066681.63	
4977.00	72.30	177.50	4760.03	-547.91	30.07	10.78	547.83	128322.20	2066682.32	
5008.00	74.30	177.20	4768.93	-577.57	31.44	6.52	577.49	128292.54	2066683.69	
5040.00	76.70	177.30	4776.95	-608.51	32.93	7.51	608.42	128261.60	2066685.18	
5071.00	80.10	177.80	4783.18	-638.85	34.23	11.08	638.76	128231.26	2066686.48	
5134.00	83.60	179.30	4792.11	-701.18	35.80	6.03	701.08	128168.93	2066688.05	
5228.00	85.90	179.40	4800.71	-794.77	36.86	2.45	794.67	128075.34	2066689.11	
5324.00	89.20	181.00	4804.81	-890.67	36.53	3.82	890.57	127979.44	2066688.78	
5419.00	91.90	182.00	4803.90	-985.62	34.04	3.03	985.53	127884.49	2066686.29	
5515.00	92.00	181.30	4800.63	-1081.53	31.28	0.74	1081.44	127788.59	2066683.53	
5609.00	91.40	180.40	4797.85	-1175.47	29.88	1.15	1175.39	127694.64	2066682.13	
5704.00	90.30	179.60	4796.44	-1270.46	29.88	1.43	1270.38	127599.65	2066682.13	
5798.00	90.30	179.60	4795.94	-1364.46	30.54	0.00	1364.37	127505.65	2066682.79	
5894.00	89.70	179.00	4795.94	-1460.45	31.71	0.88	1460.36	127409.66	2066683.96	
5989.00	88.10	179.50	4797.77	-1555.42	32.96	1.76	1555.33	127314.69	2066685.21	
6083.00	88.60	178.90	4800.47	-1649.37	34.27	0.83	1649.28	127220.74	2066686.52	
6177.00	87.90	180.20	4803.35	-1743.32	35.01	1.57	1743.22	127126.79	2066687.26	
6272.00	87.40	179.90	4807.24	-1838.24	34.92	0.61	1838.14	127031.87	2066687.17	
6366.00	87.70	180.70	4811.26	-1932.15	34.43	0.91	1932.06	126937.96	2066686.68	
6461.00	90.10	180.90	4813.08	-2027.12	33.11	2.54	2027.03	126842.99	2066685.36	

NAD27 Ks South gr elev=1242 RKB=1269.5

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012
 Surveys
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 Job# : 6603

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
6556.00	90.60	181.70	4812.50	-2122.09	30.95	0.99	2122.00	126748.02	2066683.20	
6650.00	91.40	182.30	4810.86	-2216.02	27.67	1.06	2215.94	126654.09	2066679.92	
6745.00	90.90	181.40	4808.96	-2310.95	24.60	1.08	2310.88	126559.16	2066676.85	
6839.00	90.10	180.30	4808.13	-2404.93	23.21	1.45	2404.86	126465.18	2066675.46	
6934.00	90.10	180.20	4807.97	-2499.93	22.80	0.11	2499.86	126370.18	2066675.05	
7029.00	89.90	179.30	4807.97	-2594.93	23.21	0.97	2594.86	126275.18	2066675.46	
7123.00	88.00	178.70	4809.69	-2688.90	24.85	2.12	2688.82	126181.22	2066677.10	
7218.00	88.20	180.10	4812.84	-2783.84	25.84	1.49	2783.76	126086.28	2066678.09	
7313.00	89.10	181.00	4815.08	-2878.80	24.93	1.34	2878.73	125991.31	2066677.18	
7407.00	88.40	180.70	4817.13	-2972.77	23.54	0.81	2972.70	125897.34	2066675.79	
7503.00	89.80	181.60	4818.64	-3068.73	21.61	1.73	3068.67	125801.38	2066673.86	
7597.00	90.70	182.80	4818.23	-3162.66	18.00	1.60	3162.60	125707.45	2066670.25	
7693.00	90.40	181.70	4817.31	-3258.58	14.23	1.19	3258.53	125611.53	2066666.48	
7787.00	90.00	180.60	4816.98	-3352.56	12.35	1.25	3352.52	125517.55	2066664.60	
7882.00	89.80	178.90	4817.14	-3447.56	12.76	1.80	3447.51	125422.56	2066665.01	
7977.00	90.70	178.60	4816.73	-3542.53	14.83	1.00	3542.48	125327.58	2066667.08	
8071.00	88.50	179.10	4817.39	-3636.50	16.72	2.40	3636.45	125233.61	2066668.97	
8166.00	87.40	178.10	4820.78	-3731.41	19.04	1.56	3731.35	125138.70	2066671.29	
8261.00	88.60	179.10	4824.10	-3826.32	21.36	1.64	3826.25	125043.79	2066673.61	
8355.00	88.30	179.10	4826.64	-3920.28	22.84	0.32	3920.20	124949.83	2066675.09	
8450.00	87.50	179.90	4830.12	-4015.21	23.66	1.19	4015.13	124854.90	2066675.91	
8544.00	89.80	180.60	4832.34	-4109.17	23.25	2.56	4109.10	124760.94	2066675.50	
8639.00	90.40	181.70	4832.17	-4204.15	21.35	1.32	4204.08	124665.96	2066673.60	
8734.00	88.70	179.30	4832.92	-4299.14	20.52	3.10	4299.07	124570.98	2066672.77	
8828.00	88.20	179.50	4835.46	-4393.10	21.50	0.57	4393.02	124477.01	2066673.75	
8923.00	89.30	181.10	4837.53	-4488.07	21.00	2.04	4488.00	124382.04	2066673.25	
9017.00	90.50	182.10	4837.70	-4582.03	18.38	1.66	4581.96	124288.08	2066670.63	
9112.00	91.40	182.70	4836.12	-4676.93	14.40	1.14	4676.88	124193.18	2066666.65	
9207.00	91.80	182.40	4833.47	-4771.80	10.18	0.53	4771.76	124098.31	2066662.43	
9302.00	91.80	181.10	4830.49	-4866.71	7.28	1.37	4866.67	124003.41	2066659.53	

NAD27 Ks South gr elev=1242 RKB=1269.5

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012

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Job# : 6603

NAD27 Ks South gr elev=1242 RKB=1269.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
9397.00	91.00	180.80	4828.16	-4961.66	5.70	0.90	4961.63	123908.45	2066657.95	
9491.00	90.60	181.00	4826.85	-5055.64	4.23	0.48	5055.61	123814.47	2066656.48	
9586.00	89.80	181.40	4826.52	-5150.62	2.24	0.94	5150.60	123719.49	2066654.49	
9680.00	91.50	182.10	4825.45	-5244.57	-0.63	1.96	5244.55	123625.55	2066651.62	
9775.00	91.40	181.80	4823.05	-5339.48	-3.86	0.33	5339.47	123530.63	2066648.39	
9869.00	90.80	180.60	4821.25	-5433.44	-5.83	1.43	5433.44	123436.67	2066646.42	
9964.00	89.40	180.40	4821.08	-5528.43	-6.66	1.49	5528.43	123341.68	2066645.59	
10059.00	88.60	179.70	4822.74	-5623.42	-6.74	1.12	5623.42	123246.69	2066645.51	
10154.00	88.20	180.50	4825.39	-5718.38	-6.91	0.94	5718.38	123151.73	2066645.34	
10248.00	89.10	181.90	4827.60	-5812.33	-8.88	1.77	5812.33	123057.78	2066643.37	
10343.00	90.20	181.90	4828.19	-5907.27	-12.03	1.16	5907.29	122962.84	2066640.22	
10438.00	90.30	181.90	4827.77	-6002.22	-15.18	0.11	6002.24	122867.89	2066637.07	
10533.00	90.40	179.60	4827.19	-6097.21	-16.42	2.42	6097.23	122772.91	2066635.83	
10628.00	88.90	180.60	4827.77	-6192.20	-16.59	1.90	6192.22	122677.91	2066635.66	
10723.00	89.20	180.90	4829.35	-6287.18	-17.83	0.45	6287.20	122582.93	2066634.42	
10818.00	89.10	181.00	4830.76	-6382.15	-19.40	0.15	6382.18	122487.96	2066632.85	
10912.00	89.10	178.80	4832.23	-6476.14	-19.24	2.34	6476.17	122393.97	2066633.01	
11007.00	88.90	177.90	4833.89	-6571.08	-16.51	0.97	6571.10	122299.03	2066635.74	
11102.00	89.30	178.30	4835.38	-6666.02	-13.36	0.60	6666.03	122204.09	2066638.89	
11197.00	89.50	179.60	4836.38	-6760.99	-11.62	1.38	6761.00	122109.12	2066640.63	
11291.00	90.00	180.00	4836.79	-6854.99	-11.29	0.68	6855.00	122015.12	2066640.96	
11386.00	89.80	180.20	4836.95	-6949.99	-11.45	0.30	6950.00	121920.12	2066640.80	
11480.00	89.20	180.10	4837.77	-7043.99	-11.70	0.65	7043.99	121826.12	2066640.55	
11576.00	89.00	181.00	4839.28	-7139.97	-12.62	0.96	7139.98	121730.14	2066639.63	
11671.00	88.70	181.00	4841.19	-7234.94	-14.28	0.32	7234.95	121635.17	2066637.97	
11767.00	89.30	181.30	4842.86	-7330.90	-16.21	0.70	7330.92	121539.21	2066636.04	
11862.00	89.10	181.60	4844.19	-7425.86	-18.61	0.38	7425.89	121444.25	2066633.64	
11956.00	90.10	180.10	4844.85	-7519.85	-20.00	1.92	7519.87	121350.27	2066632.25	
12051.00	90.00	179.10	4844.76	-7614.84	-19.34	1.06	7614.87	121255.27	2066632.91	
12145.00	89.80	179.00	4844.93	-7708.83	-17.78	0.24	7708.85	121161.28	2066634.47	

Calmena Energy Services

Company: Shell Exploration and Production Company
 Well: Chain Land 3509 #11-2H
 Location: Harper County, Kansas

Date: 17-Aug-2012

Surveys

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Job# : 6603

NAD27 Ks South gr elev=1242 RKB=1269.5

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 180.15° Az (feet)	Grid Y	Grid X	Comments
12173.00	89.40	179.70	4845.12	-7736.83	-17.46	2.88	7736.85	121133.28	2066634.79	
12224.00	89.40	179.70	4845.66	-7787.82	-17.20	0.00	7787.84	121082.29	2066635.05	Survey projected

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/>

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

Sam Brownback, Governor

October 24, 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 15-077-21812-01-00
Chain Land 3509 11-2H
NW/4 Sec.11-35S-09W
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

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/>

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

Sam Brownback, Governor

October 24, 2012

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

Re: ACO-1
API 15-077-21812-01-00
Chain Land 3509 11-2H
NW/4 Sec.11-35S-09W
Harper County, Kansas

Dear Damonica Pierson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/03/2012 and the ACO-1 was received on October 24, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department