



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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1098288

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ 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

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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>	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

Shots 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

Shots Per Foot	Perforation Record	Material 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	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Ph	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
WATER			8.34				20
CLASS C+2%CACL2		500	14.8	1.35	6.34	03:35	119.89
Water			8.34				56
Available Mix Water <u>500</u> Bbl.		Available Displ. Fluid <u>500</u> Bbl.		TOTAL			195.89
							75.45

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		847	8.921	9.625	36	CSG	834	834	J-55	834	796	

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.	
17.	18	84		60	60					9.625	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	
61	BBLs	Water	8.34	300					3160	1500	RIG

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

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	2500 PSI	CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ	<input type="checkbox"/>
21:00						ARRIVE ON LOCATION					
23:30						SAFETY MEETING					
00:35	2500				WATER	TEST LINES, START SPACER					
00:46	100		4	20	WATER	FINISH SPACER, START SLURRY					
01:12	400		4	120	SLURRY	FINISH SLURRY, SHUT DOWN, DROP PLUG, START DISPLACEMENT					
01:30	400		5	51	WATER	SLOW DOWN TO BUMP					
01:40	400		2	10	WATER	BUMP PUG, PRESSURE TO 800PSI					
01:41						BLEED OFF, RECIVED .25 BBLs BACK TO TRUCK					
						FLOAT HOLDING					
						RECIVED 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	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	800	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	55	201	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

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	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		650	12.4	2.45	13.52	05:00	284	209.52
50:50:2(POZ,C,GEL)+4#KOLSL+.15%SMS+.3%FL52		100	14.2	1.32	5.66	05:00	24	13.76
WATER			8.34				193	

Available Mix Water	1000	Bbl.	Available Displ. Fluid	1000	Bbl.	TOTAL	541	223.27
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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	
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"/>	



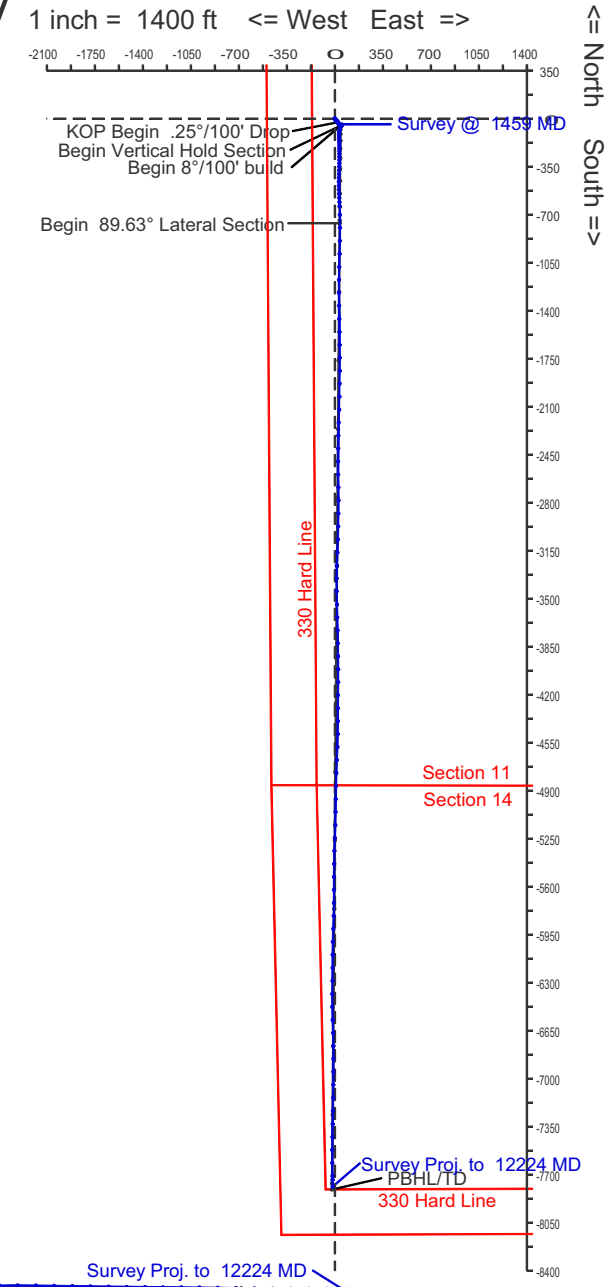
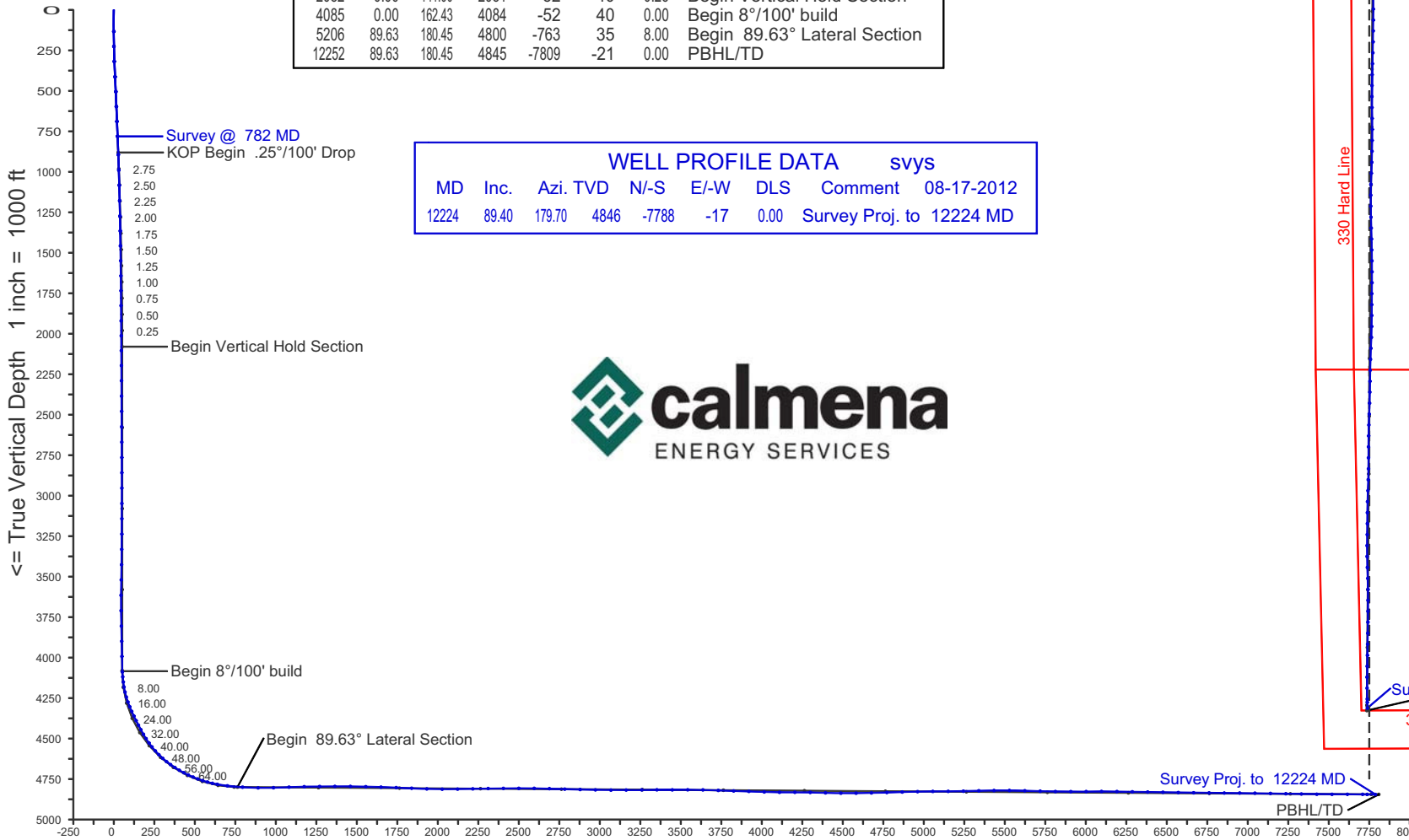
Shell Exploration and Production Company

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	162.43	4084	-52	40	0.00	Begin 8°/100' build
5206	89.63	180.45	4800	-763	35	8.00	Begin 89.63° Lateral Section
12252	89.63	180.45	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
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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° (feet)	Az Grid Y	NAD27 Ks South gr elev=1242 RKB=1269.5 Grid X	Comments
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	

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
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
 Page 3
 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° (feet)	Az 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	

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
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	

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
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