



1157826

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Knoche Trust 2408 31-1H
Doc ID	1157826

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	30	18	45	60	Portland Neat	36	0
Surface	12.25	9.625	36	321	Class C	270	See Attached
Intermediate	8.75	7	26	4290	Class C	320	See Attached
Liner	6.125	4.5	11.6	5315	Class H	405	See Attached

Knoche Trust 2408-31				
Contractor		Pete Martin Drilling		
	SWD CONDUCTOR	SWD MOUSE HOLE	1-H CONDUCTOR	1-H MOUSE HOLE
Call in DATE OF SPUD	3/1/2013		3/4/2013	
spud in date	3/1/2013	3/5/2013	3/4/2013	3/10/2013
T.D date	3/3/2013	3/8/2013	3/5/2013	3/12/2013
Size Hole Drilled	30"	24"	30"	24"
Size Caseing Set (in O.D)	18"	14"	18"	14"
conductor wall thickness	.236	.219	.236	.219
Weight Lbs./Ft.	45lbs	32.26lbs	45lbs	32.26lbs
Setting Depth	60ft	77ft	60'	77'
Type of Cement	Portland Neat	Portland Neat	Portland Neat	Portland Neat
Cubic yards of cement	7cy	9cy	6cy	7cy
2500 PSI Grout Mix	yes	yes	yes	yes
Type and Percent of Additives	0%	0%	0%	0%
Comments formation	sand to 24ft water at 24ft, small amounts of grey clay at 58ft,	0-8ft top soil 8-24ft sand water at 24ft, 24-45ft clay 45-71ft sand 75-76ft red clay	0-8ft topsoil sand the rest of the way to 60ft water at 24ft	0-8ft top soil 8-24ft sand water at 24ft, 24-45ft clay 24-71f sand 71 to 76ft red clay

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 05-APR-13	F.R. # 1001977027	SERV. SUPV. Justin D Stamper
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno 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, 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	
CLASSC+2%CACL2+.25# CELLOFLK		270	14.8	1.35	6.34	02:45	64.74	40.74
Water			8.34				24	
Available Mix Water <u>500</u> Bbl.		Available Displ. Fluid <u>500</u> Bbl.		TOTAL			108.74	40.74

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		355	8.921	9.625	36	CSG	349	349	J-55	349	308	

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.
18.	18	47.		60	60					9.625	8RD		

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	MIX WATER
24	BBLS	Water	8.34	117					2816	1500	FRAC TANK

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

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 3500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:00						ARRIVE ON LOC.	
09:00						SAFETY MEETING	
09:32	3500				WATER	TEST LINES, START WATER AHEAD	
09:45	90		4	20	WATER	FINISH WATER, START SLURRY	
09:57	130		4	42	SLURRY	CEMENT BACK TO SURF	
10:04	130		4	23	SLURRY	FINISH SLURRY, SHUT DOWN, DROP PLUG, DISPLACE	
10:14	120		3	24	WATER	BUMP PLUG, PRESSUER TO 1000 PSI	
10:19						BLEED OFF, RECIVED .25 BACK TO TRUCK	
						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	1000	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	111	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC		DATE 22-APR-13	F.R. # 1001981689		SERV. SUPV. James Kirkpatrick								
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000		LOCATION 31-24S-8W			COUNTY-PARISH-BLOCK Reno Kansas								
DISTRICT McAlester		DRILLING CONTRACTOR RIG # NABORS 102			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
		No Shoe, Cust sup											
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
SEALBOND, RIG TO PUMP							8.45				40		
15:85c,0.01%staticfree,10%salt,0.25ppscelloflake,4				125103079		235	12.4	2.45	13.52	05:10	103	75.99	
50:50c,0.01%staticfree,5%salt,0.25ppscelloflake,4p				125103080		85	14.2	1.32	5.66	05:10	20	11.46	
H2O							8.34				162		
Available Mix Water		150 Bbl.		Available Displ. Fluid		300 Bbl.		TOTAL		325	87.45		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.75		4300	6.276	7	26	CSG	4290	4290	L-80	4290	4241		
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		350	350			4600	4600	7	8RD	WATER BASED MU	9.4
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		
162	BBLS	H2O		8.34	900					7968	1500	RIG	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS													
PRESSURE/RATE DETAIL						EXPLANATION							
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES 2500 PSI							
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>							
09:50	2500				H2O	TEST, START LEAD CEMENT @ 12.4 #							
10:30	100		5.5	103	LEAD CMT	PUMP LEAD CEMENT, START TAIL CEMENT @ 14.2#							
10:45	120		5	20	TAIL CMT	PUMP TAIL CEMENT, PLUG AWAY, DISPLACE							
11:20	900		3	150	H2O DISP	150 BBL INTO DISPLACEMENT, CEMENT RETURNS TO SURFACE, CONTINUE DISPLACEMENT							
11:25	975		3	162	H2O DISP	PUMP 162 BBL DISPLACEMENT, BUMP PLUG 2 975 PSI, TOOK PRESSURE UP TO @ 1500 PSI AND HOLD 10 MINUTES							
11:35	1500					HOLD 10 MINUTES, BLEED OFF TO CHECK FLOAT, HOLDING, RIG DOWN							
						LEAD CEMENT : 235 SACKS 15:85 C + 0.01% STATIC FREE + 10% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.6% SMS + 8% GEL							
						TAIL CEMENT : 85 SACKS 50:50 C + 0.01% STATIC FREE + 5% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.3% FL-52 + 15% SMS + 2% GEL							
						12 BBL CEMENT RETURNS TO SURFACE							
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW							
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:						
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	285	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N							

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 01-MAY-13	F.R. # 1001983287	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # NABORS 102		TYPE OF JOB Liner

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	No Shoe, Cust sup						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES					
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
SealBond Spacer, Rig to pump			8.45				40
H50:50,3%salt,0.5%fl62,0.6%sms,0.5%fl52a0.01%stati		405	14.3	1.24	5.54	05:30	90 53.55
H2O			8.34				124
Available Mix Water <u>150</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL			<u>254</u> 53.55

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125		8945	3.826	4.5	16.6	DP	3529	3529	J-55	8934	8883	
			4	4.5	11.6	CSG	8934	8934	L-80			

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.
6.3	7	26		4322	4322						4.5	8RD	WATER BASED MU	8.4

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	
124	BBLs	H2O	8.34	450					8552	4500	RIG

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

PRESSURE/RATE DETAIL						EXPLANATION					
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>					
	PIPE	ANNULUS				TEST LINES 6300 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
07:35	6300				H2O	TEST, START CEMENT @ 14.3#					
08:15	275		4	90	CEMENT	PUMP 90 BBL CEMENT, SHUT DOWN, WASH TO PIT, DROP PLUG, START DISPLACEMENT					
08:35	1150		2.75	42	H2O DISP	PUMP 42 BBL DISPLACEMENT, SHEAR PLUG THRU DRILL PIPE, CONTINUE DISPLACEMENT					
08:55	700		2.75	124	H2O DISP	PUMP 124 BBL DISPLACEMENT, BUMP PLUG @ 700 PSI, TAKE PRESSURE UP TO @ 1300, HOLD 10 MINUTES					
09:05	1300					HOLD 10 MMINUTES, BLEED OFF, SET TOOL, PRESSURE UP BACKSIDE TO @ 4500 PSI					
09:55	4500					PUT 4500 ON BACKSIDE, LEAKING, BLEED OFF, FIX LEAK, PRESSURE UP TO @ 4500 PSI					
10:05						HOLD 4500 FOR 10 MMINUTES, LOST @ 100 PSI IN 10 MIN, BLEED OFF, TURN OVER TO RIG TO CIRCULATE OUT					
						CEMENT: 405 SACKS 50/50 CLASS H + 3% SALT + 0.5% FL-62 + 0.6% SMS + 0.5% FL-52 A + 0.01% STATIC FREE					
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW					

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	700	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	214	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Knoche Trust 2408 31-1H

Nabors 102

SHL						Well Information								
1,600' FEL		335' FNL		NAD 27 (Kansas State Plane)		SITP:	1000 psi	Network #:		30179228				
Section	31	T	24	R	8	N	458,504.31	E	2,075,300.93	FTP:	5000 psi			
County	Reno	State	Kansas		LAT	37° 55' 32.19"	LONG	98° 14' 20.18"		BHT:	136.4 °F	API #:	15-155-21611-01-00	
BHL						H2S:	No	Lease:		Knoche Trust 2408				
400' FEL		330' FNL		N		463,790.90	E	207,468.86		CO2:	No	Permit MD/TV/D:	8,480	3,900
Section	31	T	24	R	8	LAT	37° 56' 24.48"	LONG	98° 14' 27.74"	Well Life:	25 yrs	RKB GROUND ELEV.:	31.70'	1643.0'

Directional	Formation	MD	TVD	Mud Program	Evaluation
	Fresh water	200	200	Fresh Water / Spud Mud MW: < 9 ppg	Log Mud Gas to TD No cuttings sample
	At 350 ft MD: Build @ 2°/100' to 8.62° Inc, 273° Azi Do not move surface pipe for 8 hrs after cementing				
	Surface Casing point	321	321		
	Hutchinson Salt Top	889	884		
	Tangent	8.62 deg	272 AZM		
	Hutchinson Salt Base	1,282	1,277		
	Nolas Limestone	1,400	1,400		
	Fort Riley	1,587	1,579		
	Onaga	2,217	2,198		
	Topeka	2,747	2,723		
	Vertical	2,778	2,756		
	Heebner B	3,151	3,121		
	Kick-off Point	3,328	3,297		
	Build /Turn @10°/100' to 90° Inc, 358.8° Azi				
	Lansing-KC Group	3,341	3,310		
	Marmaton A	3,634	3,589		
	Hushpuckney Shale	3,689	3,627		
	Marmaton B	3,789	3,699		
	Basal Penn. Congl.				
	Top of Mississippi	4,093	3,838		
	Landing Point at 90°	4,222	3,858		
	Int. Csg. Point @ 90° Inc	4,290	3,858		
	Actual TD	8,945	3,858		
	Lateral @ 90° Inc.				
Regulatory notifications					
Spud date					
If no cement to surface, contact and develop plan					
				TOC (Surf): Surface	
				12-1/4" Hole	
				Top of tail: Surface	
				Tail 14.8 ppg	
				#	
				Max. Sfc. Csg. Depth = 800 ft MD	~100 ft above Salt Zone
				Perform FIT to 13.5 ppg EMW	
				8 3/4" Hole	w/ gel sweeps
				TOC of Lead @ 900 ft MD	
				Lead: 12.4 ppg	MW: Allow chlorides to increase MW Dilute as required
				Landing point will be updated based on Knoche Trust 2408 SWD	MWD GR
					Salt water w/ gel sweeps Dilute as required
				1782 ft Displace to:	Mud log KOP to Int. Csg
				LSND (GelLig WBM)	Samples every 40'
				MW: < 9.4 ppg	Min 3 samples/hr
				YP > 14, WL < 4	
				Increase Fluid loss through curve	DO NOT LIMIT ROP
				Run one Volant centralizer every joint up to 3000 ft	
				Top of Tail: 3790 ft MD	Total Volant centralizers ~ 55
				Tail: 14.2 ppg	Use TAWG or CRT to run 7" casing
				7" 26 # P110 DWC	
				Requires a thread rep + seal rings	
				M/U speed = 6 - 10 RPM	Mud Log in Lateral
				Bump plug & hold 500 psi over for 5 min	Cuttings samples every 60'
				6-1/8" Hole	Minimum 3 samples/hour
				Fresh Water	
				MW 8.4 ppg	MWD: GR
				4 1/2" Packer set at 30° Inc.	
				4-1/2" 11.6 # P110 LTC	
				Run one 4 1/2" x 5 3/8" Volant centralizer every other joint; total of ~ 65	
				Bump with 3800 psi to set packer, test backside to 4500 psi for 10 min	

**Shell Exploration
Knoche Trust 31-1H
Kansas/Reno County
Nabors 102
API: 15-155-21611-01-00**

Date/Time	Depth	Inc	Azim	TVD	N/S	E/W	V/S	DLS
4/5/2013 2:02	177.00	0.62	279.48	177.00	0.16	-0.95	0.27	0.35
4/5/2013 2:37	238.00	1.23	270.51	237.99	0.22	-1.92	0.44	1.02
4/5/2013 3:09	291.00	2.00	265.10	290.97	0.14	-3.42	0.54	1.49
4/17/2013 0:30	405.00	2.86	262.36	404.86	-0.40	-8.22	0.55	0.76
4/17/2013 1:01	437.00	3.27	269.43	436.82	-0.52	-9.92	0.64	1.74
4/17/2013 1:32	532.00	4.46	272.16	531.60	-0.41	-16.31	1.49	1.27
4/17/2013 2:12	627.00	6.37	272.06	626.17	-0.08	-25.27	2.85	2.01
4/17/2013 3:03	722.00	8.54	274.67	720.36	0.69	-37.57	5.04	2.31
4/17/2013 3:45	817.00	9.26	272.63	814.22	1.61	-52.23	7.66	0.83
4/17/2013 4:24	912.00	9.78	272.51	907.91	2.31	-67.93	10.18	0.55
4/17/2013 5:13	1,007.00	9.40	273.61	1,001.58	3.16	-83.74	12.85	0.44
4/17/2013 6:19	1,099.00	8.63	272.10	1,092.44	3.88	-98.14	15.24	0.88
4/17/2013 7:14	1,192.00	9.48	273.14	1,184.29	4.56	-112.76	17.61	0.94
4/17/2013 8:13	1,285.00	8.39	268.90	1,276.16	4.85	-127.19	19.57	1.37
4/17/2013 9:05	1,377.00	8.23	268.34	1,367.19	4.53	-140.49	20.79	0.20
4/17/2013 9:54	1,467.00	8.95	269.26	1,456.18	4.25	-153.92	22.08	0.82
4/17/2013 10:36	1,559.00	9.54	267.89	1,546.98	3.88	-168.70	23.42	0.68
4/17/2013 11:29	1,652.00	8.03	269.85	1,638.89	3.58	-182.90	24.77	1.65
4/17/2013 12:48	1,743.00	8.38	268.65	1,728.96	3.41	-195.89	26.10	0.42
4/17/2013 13:53	1,841.00	8.73	269.00	1,825.87	3.11	-210.46	27.50	0.36
4/17/2013 14:48	1,932.00	9.16	268.26	1,915.76	2.77	-224.60	28.80	0.49
4/17/2013 15:42	2,027.00	9.23	267.58	2,009.54	2.21	-239.78	30.01	0.14
4/17/2013 16:54	2,122.00	9.38	273.65	2,103.29	2.39	-255.12	31.96	1.04
4/17/2013 17:38	2,217.00	9.72	274.32	2,196.98	3.48	-270.84	34.87	0.37
4/17/2013 18:30	2,312.00	7.76	272.82	2,290.87	4.40	-285.24	37.45	2.07
4/17/2013 19:11	2,407.00	7.50	272.42	2,385.03	4.98	-297.84	39.49	0.28
4/17/2013 20:13	2,502.00	7.49	279.71	2,479.22	6.28	-310.14	42.21	1.00
4/19/2013 10:40	2,597.00	7.57	282.71	2,573.40	8.71	-322.35	46.03	0.42
4/19/2013 21:37	2,692.00	7.56	282.80	2,667.57	11.47	-334.56	50.19	0.02
4/19/2013 23:32	2,787.00	8.78	275.11	2,761.61	13.50	-347.88	53.76	1.72
4/20/2013 0:34	2,882.00	9.60	273.22	2,855.39	14.59	-363.01	56.59	0.91
4/20/2013 1:46	2,978.00	9.45	269.56	2,950.06	14.98	-378.88	58.82	0.65
4/20/2013 3:03	3,072.00	7.95	272.89	3,042.98	15.25	-393.10	60.74	1.68
4/20/2013 3:45	3,167.00	7.98	272.53	3,137.06	15.87	-406.25	62.88	0.06
4/20/2013 4:15	3,231.00	7.76	271.39	3,200.46	16.17	-415.01	64.20	0.42
4/20/2013 5:01	3,262.00	7.68	272.29	3,231.18	16.31	-419.17	64.81	0.47
4/20/2013 5:48	3,294.00	8.06	281.43	3,262.88	16.84	-423.50	65.84	4.08
4/20/2013 7:01	3,326.00	9.90	293.03	3,294.49	18.36	-428.24	67.90	8.05
4/20/2013 8:12	3,358.00	12.05	302.25	3,325.90	21.22	-433.59	71.36	8.66
4/20/2013 9:08	3,389.00	14.40	309.49	3,356.08	25.40	-439.31	76.18	9.25
4/20/2013 9:58	3,421.00	17.19	316.67	3,386.87	31.37	-445.62	82.84	10.62
4/20/2013 11:05	3,453.00	19.96	324.18	3,417.21	39.24	-452.07	91.40	11.43

4/20/2013 12:00	3,484.00	22.85	330.22	3,446.07	48.76	-458.15	101.56	11.71
4/20/2013 13:04	3,516.00	25.55	335.81	3,475.26	60.45	-464.07	113.86	11.06
4/20/2013 14:16	3,548.00	28.31	340.89	3,503.79	73.92	-469.38	127.85	11.24
4/20/2013 15:26	3,579.00	31.27	345.00	3,530.69	88.64	-473.87	143.00	11.59
4/20/2013 16:14	3,611.00	34.57	347.67	3,557.55	105.54	-477.96	160.26	11.26
4/20/2013 17:13	3,643.00	37.49	349.57	3,583.43	123.99	-481.66	179.01	9.78
4/20/2013 21:01	3,674.00	40.47	350.79	3,607.52	143.20	-484.98	198.48	9.90
4/20/2013 22:14	3,706.00	42.97	351.49	3,631.41	164.24	-488.26	219.76	7.96
4/20/2013 23:15	3,738.00	45.86	351.65	3,654.26	186.40	-491.54	242.15	9.04
4/21/2013 0:14	3,769.00	48.26	351.80	3,675.38	208.85	-494.81	264.83	7.74
4/21/2013 1:14	3,801.00	50.74	352.66	3,696.16	232.96	-498.09	289.16	8.02
4/21/2013 2:15	3,833.00	53.85	352.95	3,715.72	258.08	-501.26	314.47	9.75
4/21/2013 3:18	3,864.00	56.86	353.23	3,733.34	283.39	-504.33	339.97	9.71
4/21/2013 4:15	3,896.00	60.02	353.83	3,750.09	310.48	-507.40	367.23	10.00
4/21/2013 5:18	3,928.00	63.43	354.07	3,765.25	338.50	-510.37	395.41	10.70
4/21/2013 6:03	3,959.00	65.84	355.37	3,778.53	366.39	-512.94	423.41	8.64
4/21/2013 6:58	3,991.00	68.49	356.30	3,790.95	395.80	-515.08	452.87	8.72
4/21/2013 7:52	4,023.00	71.24	356.55	3,801.96	425.79	-516.96	482.87	8.60
4/21/2013 8:48	4,055.00	74.23	357.74	3,811.46	456.30	-518.48	513.35	10.00
4/21/2013 9:37	4,086.00	77.55	359.12	3,819.02	486.35	-519.30	543.30	11.55
4/21/2013 10:29	4,118.00	81.27	0.17	3,824.90	517.80	-519.49	574.55	12.06
4/21/2013 12:05	4,213.00	89.69	2.10	3,832.38	612.39	-517.61	668.29	9.10
4/21/2013 12:32	4,247.00	90.49	2.84	3,832.32	646.36	-516.14	701.86	3.20
4/23/2013 3:55	4,332.00	91.88	3.14	3,830.56	731.23	-511.71	785.64	1.67
4/23/2013 5:42	4,427.00	91.20	2.92	3,828.01	826.06	-506.68	879.25	0.75
4/23/2013 6:56	4,522.00	90.22	1.18	3,826.83	920.98	-503.28	973.14	2.11
4/23/2013 8:16	4,617.00	90.00	359.89	3,826.65	1,015.98	-502.40	1,067.39	1.38
4/23/2013 9:06	4,712.00	88.83	359.90	3,827.63	1,110.97	-502.57	1,161.76	1.23
4/23/2013 10:19	4,807.00	88.74	358.24	3,829.64	1,205.93	-504.11	1,256.26	1.76
4/23/2013 11:27	4,903.00	89.75	359.29	3,830.91	1,301.90	-506.18	1,351.82	1.52
4/23/2013 12:19	4,998.00	89.94	358.69	3,831.16	1,396.88	-507.86	1,446.36	0.66
4/23/2013 14:05	5,093.00	90.31	358.79	3,830.96	1,491.86	-509.95	1,540.94	0.40
4/23/2013 15:34	5,188.00	90.65	359.31	3,830.17	1,586.84	-511.52	1,635.46	0.66
4/23/2013 16:43	5,283.00	89.38	357.84	3,830.15	1,681.81	-513.88	1,730.06	2.04
4/23/2013 17:47	5,378.00	89.69	357.44	3,830.91	1,776.73	-517.79	1,824.79	0.53
4/23/2013 18:35	5,473.00	91.26	358.76	3,830.12	1,871.67	-520.95	1,919.45	2.16
4/23/2013 19:58	5,568.00	89.78	357.12	3,829.25	1,966.59	-524.37	2,014.14	2.33
4/23/2013 21:04	5,664.00	90.89	357.61	3,828.69	2,062.49	-528.79	2,109.90	1.26
4/23/2013 22:03	5,756.00	90.71	358.35	3,827.40	2,154.42	-532.03	2,201.59	0.83
4/23/2013 23:13	5,848.00	90.77	358.44	3,826.21	2,246.38	-534.61	2,293.22	0.12
4/24/2013 0:51	5,942.00	91.45	358.99	3,824.39	2,340.34	-536.71	2,386.79	0.93
4/24/2013 4:28	6,020.00	90.93	358.02	3,822.77	2,418.29	-538.75	2,464.46	1.41
4/24/2013 13:46	6,034.00	91.23	358.29	3,822.51	2,432.28	-539.20	2,478.40	2.93
4/24/2013 16:06	6,124.00	90.86	359.93	3,820.86	2,522.25	-540.60	2,567.93	1.86
4/24/2013 18:07	6,216.00	90.46	358.73	3,819.80	2,614.24	-541.68	2,659.42	1.38
4/24/2013 20:03	6,309.00	91.27	359.45	3,818.40	2,707.22	-543.15	2,751.94	1.16
4/24/2013 23:41	6,399.00	90.15	358.84	3,817.28	2,797.20	-544.50	2,841.47	1.41
4/25/2013 2:20	6,490.00	89.91	358.45	3,817.23	2,888.17	-546.65	2,932.08	0.50
4/25/2013 5:48	6,585.00	89.66	359.80	3,817.59	2,983.16	-548.10	3,026.59	1.44

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Summary of Changes

Lease Name and Number: Knoche Trust 2408 31-1H

API/Permit #: 15-155-21611-01-00

Doc ID: 1157826

Correction Number: 2

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/06/2013	09/10/2013
Purchaser's Name	CONDUCTOR ONLY	
Save Link	../..kcc/detail/operatorEditDetail.cfm?docID=1157387	../..kcc/detail/operatorEditDetail.cfm?docID=1157826

Summary of Attachments

Lease Name and Number: Knoche Trust 2408 31-1H

API: 15-155-21611-01-00

Doc ID: 1157826

Correction Number: 2

Attachment Name

Knoche Conductors

Knoche 1H Surface Cement Report

Knoche 1H Intermediate Cement Report

Knoche 1H Liner Cement Report

Knoche 1H Well Bore Diagram

Knoche 1H Directional Survey

**CONFIDENTIAL****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 DistributionALT I II III Approved by: _____ Date: _____



CONFIDENTIAL

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: _____