



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1094417
OIL & GAS CONSERVATION DIVISION

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 # _____

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

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1094417

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	SandRidge Exploration and Production LLC
Well Name	Sarah 3317 2-34H
Doc ID	1094417

All Electric Logs Run

final Boresight
Porosity
Resistivity
HML 5in Final

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sarah 3317 2-34H
Doc ID	1094417

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9348-9646	4265 bbls water, 36 bbls acid, 75M lbs sd, 4301 TLTR	
5	8896-9240	4161 bbls water, 36 bbls acid, 75M lbs sd, 8632 TLTR	
5	8454-5721	4242 bbls water, 36 bbls acid, 75M lbs sd, 13601 TLTR	
5	7991-8320	4218 bbls water, 36 bbls acid, 75M lbs sd, 18021 TLTR	
5	7564-7914	4159 bbls water, 36 bbls acid, 75M lbs sd, 22216 TLTR	
5	7132-7430	4200 bbls water, 36 bbls acid, 75M lbs sd, 26528 TLTR	
5	6718-7024	4127 bbls water, 36 bbls acid, 75M lbs sd, 30747 TLTR	
5	6244-6650	4200 bbls water, 36 bbls acid, 75M lbs sd, 35043 TLTR	
5	5802-6165	4185 bbls water, 36 bbls acid, 75M lbs sd, 39279 TLTR	
5	5370-5676	4442 bbls water, 36 bbls acid, 75M lbs sd, 43774 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sarah 3317 2-34H
Doc ID	1094417

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	32	20	75	150	Pro Poilfield Services Cement	77	none
Water String	17.5	13.37	68	323	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	370	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Surface	12.25	9.63	36	962	O-Tex Lite Premim Plus 65/35 and Premium Plus (Class C)	690	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermedia te	8.75	7	26	5587	50/50 Poz Premium/ Premium	220	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sarah 3317 2-34H
Doc ID	1094417

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Liner	6.12	4.5	11.6	9785	50/50 Premium Poz	490	4% Gel, .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

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

September 24, 2012

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-033-21666-01-00
Sarah 3317 2-34H
NE/4 Sec.34-33S-17W
Comanche 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,
Tiffany Golay



P.O. BOX 3680
HOUMA, LA 70361-3680

Customer: SAN400

BILL TO: SANDRIDGE ENERGY
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-6408
PHONE: (405) 753-5500 FAX: ()

Division: 0701
Delivery Ticket: 2781
Delivery Date: 8/29/2012

Ordered By:
Lease/Well: SARIAH 3317 2-34H
Rig Name/Number: LARIATE 39
AFE Number:
Site Contact:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	SARIAH 3317 2-34H	\$44,050.00	\$0.00	\$44,050.00	8/29/2012 8/29/2012	\$44,050.00
150	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
150	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
105	30" CONDUCTOR PIPE (.330 WALL)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	6'X6" CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	DRILL & INSTALL 6'X6" CELLAR TINHORN	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
75	16" CONDUCTOR PIPE (.375 WALL)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	PROVIDED PERSONAL TO FACILITATE DIGGTESS (ONE CALL)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
77	CEMENT	\$0.00	\$0.00	\$0.00	8/29/2012 8/29/2012	
Sub Total:		\$44,050.00	\$0.00			\$44,050.00

AFE Number: DC 12 338
Well Name: SARIAH 3317 2-34H
Code: 850-010
Amount: 44,050.00
Co. Man: John Fortune
Co. Man Sig: [Signature]
Notes: _____

John Fortune
Print Name
[Signature]
Signature

Water String

JOB SUMMARY			PROJECT NUMBER SOK 1843	TICKET DATE 09/05/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME Sarah	Well No. 1317 2-34	JOB TYPE Water String Surface	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
NATHAN COTTA	10				
MIKE CHALFANT					
CHERYL					
BRANDON					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **300**

Date	Called Out 9/6/2012	On Location 9/6/2012	Job Started 9/6/2012	Job Completed 9/6/2012
Time	0000	200	952	1600

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		68.0	13 3/8		Surface		1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17 1/2"		Surface	300	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Water	BBL.	10
Spacer type		BBL.	8.33
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/6	14.0	9/6	1.0	Water String Surface
Total	14.0	Total	1.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures		
MAX	AVG	
1,500 PSI	200	
Average Rates in BPM		
MAX	AVG	
6 BPM	5	
Cement Left in Pipe		
Feet	42	Reason: SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	220	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush	_____	Type: _____	Preflush: BBI	10.00	Type: Fresh Water
Breakdown	_____	MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBI	N/A
	_____	Lost Returns-N	NO/FULL	Excess /Return BBI	40
	_____	Actual TOC	SURFACE	Calc. TOC:	SURFACE
Average	_____	Bump Plug PSI:	600	Final Circ. PSI:	200
_____ 5 Min.	_____ 10 Min.	_____ 15 Min.	Cement Slurry: BBI	107.0	Disp:Bbl
			Total Volume BBI	157.00	

CUSTOMER REPRESENTATIVE _____

Felix Ortiz Jr.
SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1855	TICKET DATE 09/09/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME Sarah	Well No. 1317 2-34	JOB TYPE Surface	EMPLOYEE NAME	

EMP NAME	LOUIS ARNEY	WESLEY TRUE			
	JASON JONES				
	MARCOS QUINTANA				
	KEVIN JOHNSON				

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **800**

Date	Called Out 9/8/2012	On Location 9/9/2012	Job Started 9/9/2012	Job Completed 9/9/2012
Time	18:00	1:00	7:20	8:52

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36.0	9 5/8		Surface	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/2		Surface	800
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type	Fresh Water	8.33	
Disp. Fluid	Fresh Water	8.33	
Spacer type	resh Wate BBL.	10	8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/9	7.5	9/9	1.5	Surface
Total	7.5	Total	1.5	

Pressures		
MAX	1,500 PSI	AVG. 200
Average Rates in BPM		
MAX	6 BPM	AVG 3
Cement Left in Pipe		
Feet	47	Reason SHOE JOINT

Cement Data			Additives			W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives					
1	430	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P			10.88	1.84	12.70
2	160	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake			6.32	1.32	14.80
3	*100	*Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary			*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	_____	Type: _____	Preflush: BBI	10.00	Type: Fresh Water
	_____	MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
	_____	Lost Returns-N	Excess /Return BBI	49	Calc. Disp Bbl 71
	_____	Actual TOC	Calc. TOC:	SURFACE	Actual Disp. 70.00
Average	_____	Bump Plug PSI:	Final Circ. PSI:	300	Disp:Bbl _____
ISIP	5 Min. _____	10 Min. _____	Cement Slurry: BBI	215.0	
		15 Min. _____	Total Volume BBI	296.00	

CUSTOMER REPRESENTATIVE _____ *Felix Ortiz Jr.* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1881	TICKET DATE 09/14/12
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Roger	
LEASE NAME Sarah	Well No. I317 2-34	JOB TYPE Intermediate	EMPLOYEE NAME Robert Burris	

EMP NAME Robert Burris	Dustin Odom				
Bryan Douglas					
Jessie McClain					
Frank James					

Form. Name _____ Type: _____

Packer Type _____ Set At **4,236**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5587**

Date	Called Out 9/14/2012	On Location 9/14/2012	Job Started 9/14/2012	Job Completed 9/14/2012
Time	11:30	14:45	18:20	19:23

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		26#	7"		Surface	5,585
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"		Surface	5,587
Perforations						
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Gel	BBL	20
Spacer type			8.59
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/14	3.5	9/14	1.3	Intermediate
Total	3.5	Total	1.3	

Pressures		
MAX	5,000 PSI	AVG. 675
Average Rates in BPM		
MAX	8 BPM	AVG 5
Cement Left in Pipe		
Feet	92	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	120	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	16.60
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	5,000 PSI	Preflush: BBI _____	20.00
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	4,105		Excess /Return BBI _____	N/A
Average	Bump Plug PSI: _____	1,400		Calc. TOC: _____	4,105
ISIP	5 Min. _____	10 Min. _____	15 Min. _____	Final Circ. PSI: _____	800
				Cement Slurry: BBI _____	52.0
				Total Volume BBI _____	282.50

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK1911	TICKET DATE 09/22/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME Sarah	Well No. 1317 2-34	JOB TYPE Liner	EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME Larry Kirchner Jr.	Vontray Watkins				
John Hall					
Arthur Setzar					
Robert Stonehocker					

Form. Name _____ Type: _____

Packer Type _____ Set At **5,587**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9787**

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		in
NE Agent	Gal.		in
Fluid Loss	Gal/Lb		in
Gelling Agent	Gal/Lb		in
Fric. Red.	Gal/Lb		in
MISC.	Gal/Lb		in

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Date	Called Out	On Location	Job Started	Job Completed
	9/22/2012	9/22/2012	9/22/2012	9/22/2012
Time	11:00AM	5:00PM	10:03PM	11:50PM

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing	New	11.6	4 1/2		5,176'	9,787'
Liner Tool						
HWDP						
Drill Pipe	Used		3 1/2"		Surface	3,796'
Drill Collars	Used				3,796	5,176'
Open Hole			6 1/8"		Surface	9,787
Perforations						Shots/Ft.
Perforations						
Perforations						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/22	6.8	9/22	2.0	Liner
Total	6.8	Total	2.0	

Pressures			
MAX	3,500 PSI	AVG.	900
Average Rates in BPM			
MAX	6 BPM	AVG	3.5
Cement Left in Pipe			
Feet	85	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	490	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

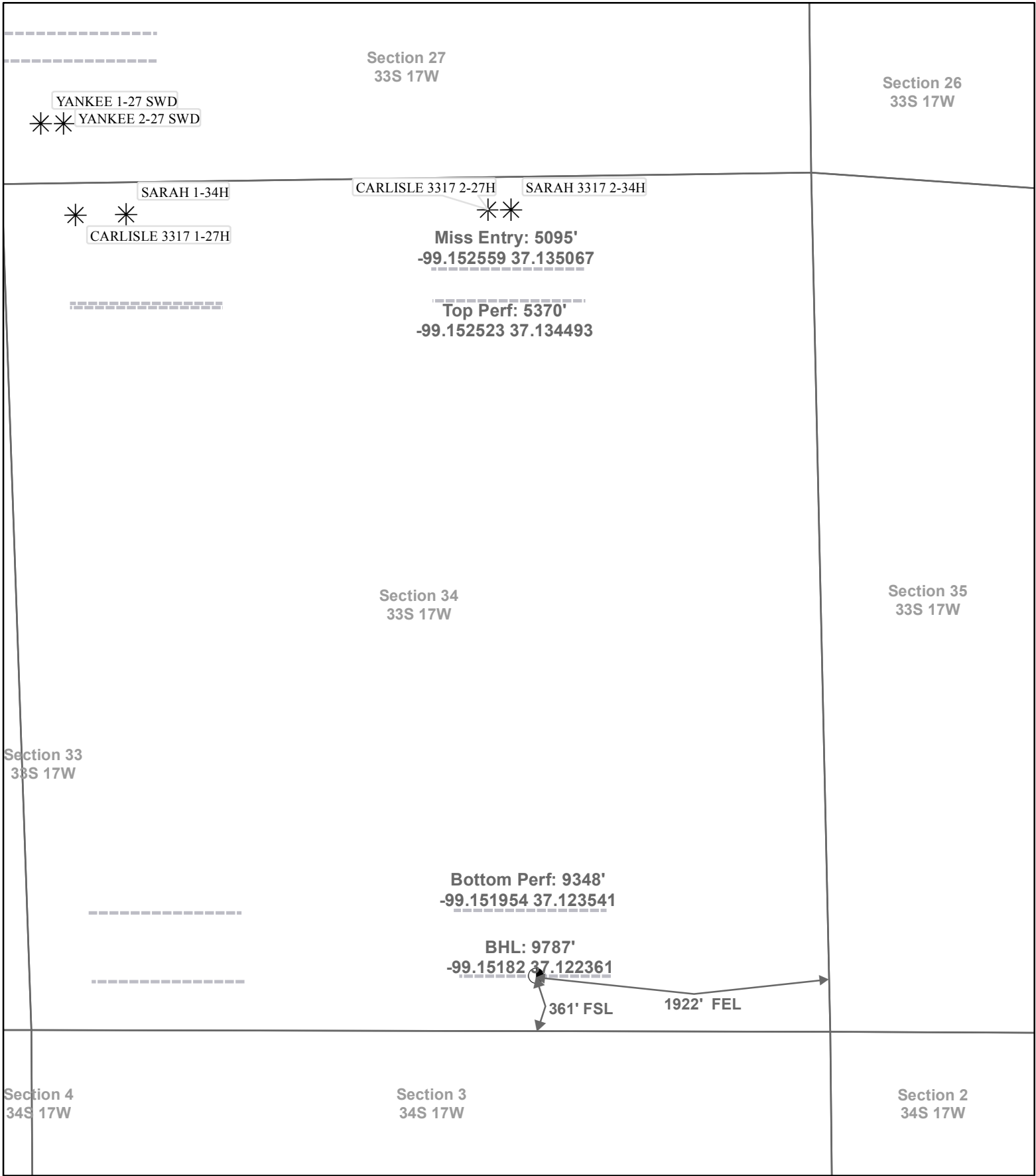
Summary					
Preflush Breakdown	10-	Type: Caustic	Preflush: BBI	30.00	Type: 8.59#SPACER
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	Excess /Return BBI	N/A	Calc. Disp Bbl 105
		Actual TOC	Calc. TOC:	4,761'	Actual Disp. 101.00
Average		Bump Plug PSI:	Final Circ. PSI:	900	Disp:Bbl
ISIP	5 Min.	10 Min	Cement Slurry: BBI	126.0	
		15 Min	Total Volume BBI	257.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
	SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201	5378	3331
BHL	9787	87.20	175.00	5170.90	-5017.58	160.94	5020.11	0.00	5220	360	3329	1958
Miss Entry	5356	67.83	179.78	5095.54	-597.08	-13.32	596.48	13.53	798	4780	3298	2011
Top Perf	5370	69.56	179.65	5100.45	-610.18	-13.23	609.59	13.08	811	4767	3298	2011
Bottom Perf	9646	87.90	175.35	5166.75	-4921.01	152.79	4923.35	1.24	5124	457	3324	1964

Survey Points		X	Y		X	Y		m
NW Corner XY Coord		1806559	171759				North Line slope	0.0122387
SW Corner XY Coord		1806739	166225	Surface XY	1809895	171599	East Line slope	-0.0274755
NE Corner XY Coord		1811870	171824				South Line slope	-0.0011353
SE Corner XY Coord		1812024	166219				West Line slope	-0.0325262

	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
		0	0.0	0	0	0	0	0	0	201	5378	3331
	981	1.10	303.10	980.94	5	-8	-5.36	0.11	196	5383	3323	1989
	1137	1.30	304.20	1136.91	7	-11	-7.24	0.13	194	5385	3320	1992
	1518	0.40	1.70	1517.86	11	-14	-11.10	0.30	190	5388	3317	1995
	1994	0.30	85.60	1993.86	12	-13	-12.82	0.10	188	5390	3318	1994
	2470	1.10	71.00	2469.82	14	-7	-14.25	0.17	187	5392	3324	1988
	2946	0.60	343.40	2945.78	18	-4	-18.02	0.26	183	5396	3328	1984
	3421	0.80	13.70	3420.75	24	-4	-23.62	0.09	177	5401	3328	1984
	3897	0.30	30.70	3896.72	28	-2	-27.88	0.11	173	5405	3330	1983
	3992	0.80	5.20	3991.72	29	-2	-28.75	0.57	172	5406	3330	1982
	4087	0.60	9.60	4086.71	30	-2	-29.90	0.22	171	5407	3330	1982
	4183	0.50	28.70	4182.71	31	-2	-30.75	0.22	170	5408	3330	1982
	4215	0.90	21.10	4214.70	31	-1	-31.11	1.28	170	5409	3330	1982
	4247	0.70	206.10	4246.70	31	-1	-31.17	5.00	170	5409	3330	1982
	4279	3.70	203.00	4278.68	30	-2	-30.05	9.38	171	5408	3330	1982
	4310	6.60	201.10	4309.55	27	-3	-27.50	9.37	173	5405	3329	1983
	4342	8.50	201.00	4341.27	24	-4	-23.62	5.94	177	5401	3327	1985
	4374	10.20	199.50	4372.84	19	-6	-18.79	5.37	182	5396	3325	1987
	4406	12.80	199.60	4404.20	13	-8	-12.84	8.13	188	5390	3323	1989
	4437	15.30	199.70	4434.27	6	-11	-5.83	8.06	195	5383	3320	1992
	4469	18.00	199.50	4464.92	-3	-14	2.72	8.44	204	5374	3317	1995
	4501	20.80	196.00	4495.10	-13	-17	12.76	9.47	214	5364	3313	1999
	4533	23.60	192.60	4524.73	-25	-20	24.39	9.62	226	5353	3310	2002
	4564	26.20	190.20	4552.85	-38	-23	37.10	9.00	238	5340	3307	2005
	4596	28.50	189.00	4581.27	-52	-25	51.53	7.39	253	5325	3304	2008
	4628	30.60	187.40	4609.10	-68	-27	67.08	7.01	268	5310	3301	2010
	4660	32.30	185.80	4636.40	-84	-29	83.60	5.92	285	5293	3299	2013
	4692	34.40	184.50	4663.13	-102	-31	101.07	6.93	302	5276	3297	2015
	4723	36.10	183.80	4688.45	-120	-32	118.87	5.64	320	5258	3295	2017
	4755	37.50	182.50	4714.07	-139	-33	137.98	5.01	339	5239	3293	2018
	4787	38.80	180.80	4739.24	-159	-34	157.71	5.22	359	5219	3292	2019
	4819	40.60	178.60	4763.86	-179	-34	178.14	7.14	380	5198	3291	2020
	4850	42.50	177.00	4787.06	-200	-33	198.70	7.02	400	5178	3291	2020
Top of Tangent 5062	4882	44.00	176.40	4810.36	-222	-32	220.62	4.86	422	5156	3292	2019
	4914	45.40	176.50	4833.11	-244	-30	243.11	4.38	444	5134	3293	2018
	4946	47.70	176.50	4855.11	-267	-29	266.33	7.19	468	5110	3293	2017
	4977	50.90	177.10	4875.33	-291	-28	289.82	10.43	491	5087	3294	2017
	5009	52.00	177.10	4895.27	-316	-26	314.84	3.44	516	5062	3294	2016
Btm of Tangent 5168	5041	51.80	176.90	4915.01	-341	-25	340.01	0.80	541	5037	3295	2015
	5073	50.90	176.50	4935.00	-366	-23	364.99	2.98	566	5012	3295	2015
	5104	50.50	176.40	4954.63	-390	-22	388.96	1.31	590	4988	3296	2014
	5136	50.40	176.20	4975.01	-414	-20	413.62	0.57	615	4963	3297	2013
	5168	50.50	175.80	4995.39	-439	-19	438.27	1.01	640	4939	3298	2012
	5200	52.50	176.00	5015.31	-464	-17	463.29	6.27	665	4914	3299	2011
	5231	54.20	177.10	5033.81	-489	-15	488.15	6.18	689	4889	3299	2010
	5263	57.00	178.50	5051.89	-515	-14	514.55	9.47	716	4862	3300	2010
	5295	59.80	179.10	5068.65	-542	-14	541.80	8.89	743	4835	3299	2010
	5327	63.90	179.50	5083.75	-571	-13	570.00	12.86	771	4807	3299	2010
	5358	68.10	179.80	5096.35	-599	-13	598.31	13.58	800	4779	3298	2011
	5390	72.00	179.40	5107.27	-629	-13	628.38	12.24	830	4749	3297	2012
	5422	75.20	178.70	5116.30	-660	-13	659.07	10.22	860	4718	3297	2012
	5454	77.80	178.00	5123.77	-691	-12	690.18	8.40	891	4687	3297	2012
	5485	80.50	177.70	5129.61	-721	-11	720.62	8.76	922	4656	3297	2012
	5517	83.40	177.20	5134.09	-753	-9	752.30	9.19	954	4625	3297	2011
	5534	85.10	177.40	5135.79	-770	-8	769.21	10.07	970	4608	3297	2011
	5613	90.20	177.50	5139.03	-849	-5	848.11	6.46	1049	4529	3298	2009
	5644	90.20	177.80	5138.92	-880	-4	879.10	0.97	1080	4498	3299	2009
	5675	89.80	178.50	5138.92	-911	-3	910.10	2.60	1111	4467	3299	2009
	5705	89.50	178.60	5139.11	-941	-2	940.10	1.05	1141	4437	3298	2009
	5736	89.40	178.30	5139.40	-971	-1	971.10	1.02	1172	4406	3298	2009
	5767	89.30	178.80	5139.76	-1002	0	1002.10	1.64	1203	4375	3298	2009
	5857	89.50	177.60	5140.70	-1092	3	1092.09	1.35	1293	4285	3298	2009
	5949	89.40	178.80	5141.58	-1184	6	1184.09	1.31	1385	4193	3298	2008
	6041	89.40	177.70	5142.54	-1276	8	1276.08	1.20	1477	4101	3298	2008
	6133	89.30	177.60	5143.59	-1368	12	1368.06	0.15	1569	4009	3298	2007



SANDRIDGE
THE POWER OF US™

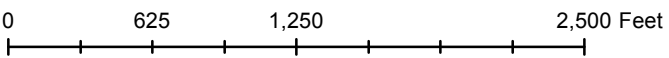
● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

Actual Bottom-Hole Location of Sarah 3317 2-34H
Comanche County, Kansas
T&R: 33S 17W
Section: 34, 1922' FEL & 361' FSL
Long/Lat: -99.15182 37.122361
1 in = 833 ft



Draftsman: Aaron Birk	Draft Date: 12/18/2012
Drawing Name/Number: Addendum_Sarah_2-34H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Logo

Back to Well Completion

Sarah 3317 2-34H (1094417)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Remarks

Remarks to KCC

Remarks

Tiffany Additional Fluid Mgmt Info: 1260 bbls hauled to West OK Disposal, Smith Estate, Well #1, 21-23N-21W, Golay Woodward, OK; 140 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43, Lipscomb, TX, 12/20/0120992; 2520 bbls hauled to Guard Inc, 23-22N-13W, Major, OK, 342682; 280 bbls hauled to Chaosland 12:23 pm Disposal, 33-29S-37W, SE/4 33-29S-37W, Grant, KS, KDH Permit # 890

Tiffany
Golay
12/03/012 Conductor weight- 94 lbs/ft
09:01 am