Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1097393

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Joe Hileman
Purchaser: DCP Midstream, LP (gas) NCRA (oil)

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 #:

9/19/2012	10/11/2012	10/15/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21668-01-00
Spot Description:
N2 - N2 - NE - NE Sec. 14 Twp. 31 S. R. 20 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
660 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: VC 3120 Well #: 2-14H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2024 Kelly Bushing: 2044
Total Vertical Depth: 9432 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 325 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: 30000 ppm Fluid volume: 2520 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Guard, Inc.
Lease Name: Unnamed License #: 99999
Quarter SW Sec. 23 Twp. 22 S. R. 13 ☐ East ☑ West
County: Major, OK Permit #: 342682

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: 01/14/2013
☑ **Confidential Release Date:** 01/15/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/31/2013

1097393

Operator Name: SandRidge Exploration and Production LLC Lease Name: VC 3120 Well #: 2-14H

Sec. 14 Twp. 31 S. R. 20 ☐ East ☑ West County: Comanche

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

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

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Base Heebner Shale Marker	4138	
Lansing Ls/Shale Group	4305	
Oswego Ls Group	4849	
Cherokee Shale Marker	4911	
Miss Unconformity	5009	
Mississippi 'Solid'	5031	

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	- -			

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

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

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

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

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

Date of First, Resumed Production, SWD or ENHR. 11/5/2012

Producing Method: ☐ Flowing ☐ Pumping ☑ Gas Lift ☐ Other *(Explain)* _____

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	VC 3120 2-14H
Doc ID	1097393

All Electric Logs Run

Final Boresight Depiction
5in MD ML HRZ
Induction
Porosity
DPC r1d2 Spectral Gamma

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	VC 3120 2-14H
Doc ID	1097393

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8978-9318	4164 bbls water, 36 bbls acid, 75M lbs sd, 4200 TLTR	
5	8635-8896	4174 bbls water, 36 bbls acid, 75M lbs sd, 8711 TLTR	
5	8124-8510	4023 bbls water, 36 bbls acid, 75M lbs sd, 12886 TLTR	
5	7733-8047	4204 bbls water, 36 bbls acid, 75M lbs sd, 17217 TLTR	
5	7328-7649	4517 bbls water, 36 bbls acid, 76M lbs sd, 21850 TLTR	
5	6865-7262	4151 bbls water, 36 bbls acid, 75M lbs sd, 26100 TLTR	
5	6520-6794	4491 bbls water, 36 bbls acid, 75M lbs sd, 30667 TLTR	
5	6125-6422	4248 bbls water, 36 bbls acid, 75M lbs sd, 34989 TLTR	
5	5648-5950	4165 bbls water, 36 bbls acid, 75M lbs sd, 39214 TLTR	
5	5240-5540	4134 bbls water, 36 bbls acid, 75M lbs sd, 43394 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	VC 3120 2-14H
Doc ID	1097393

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	130	Koda Services, Inc. Grout	15	none
Surface	17.5	13.37	68	325	O-Tex Lite "Class C' 65/3 and Class "C"	370	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermeidate	12.5	9.63	36	1011	O-Tex Lite Premium Plus/ Premium Plus	960	6% Gel, 2% Caluim Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5534	50/50 Poz premium/ Premium	250	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	VC 3120 2-14H
Doc ID	1097393

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	9432	50/50 Poz Premium	450	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

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

October 15, 2012

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

Re: ACO1
API 15-033-21668-01-00
VC 3120 2-14H
NE/4 Sec.14-31S-20W
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

Koda Services, Inc.

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

INVOICE

Date	Invoice #
10/9/2012	10129

Bill To
Sandridge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
	Carl Miller	Net 30	7620	VC 3120 214H	Lariat 45

Item	Quantity	Description
Conductor	130	Drilled 130' of 32" hole for conductor
20" Pipe	130	Furnished 130' of 20" conductor pipe
Ream Hole		Ream Hole
72" X 6'	1	Furnished 6' X 6' tinhorn
Dirt Removal		Provided Labor and Equipment for dirt removal and cleanup
Mud/Water		Furnished Mud, Water, & Trucking
Welder		Welder
Grout		Furnished grout
Deliver Grout		Deliver grout to location
Equipment		Furnished Grout Pump & Flush
Mouse	80	Drilled 80' of 26" Mouse hole
16" pipe	80	Furnished 80' of 16" Mouse Hole Pipe
Cover Plate		Cover Plate

AFE Number: DC 12397
Well Name: VC 3120 2-14H
Code: 850-010
Amount: 27783.95
Co. Man: Claude Hallmark
Co. Man Sig.: Claude Hallmark
Notes:

Thank you for your business.

Subtotal	$27,050.00
Sales Tax (6.3%)	$733.95
Total	$27,783.95

P.O. Box 66 · Woodward, OK 73802-0066 · Phone: (580) 254-5019 · Fax: (580) 254-5908

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1921	09/25/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Tommy Whitlow

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
VC	120 2-14	Surface	Robert Burris

EMP NAME							
Robert Burris		0					
Bryan Douglas							
David Thomas							
Jessie McClain							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 300

	Called Out	On Location	Job Started	Job Completed
Date	9/25/2012	9/25/2012	9/26/2012	9/26/2012
Time	19:30	23:00	04:50	05:34

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	Max. Allow
Casing		68#	13 3/8		Surface	327	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17 1/2"		Surface	325	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
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 _____

Other _____

Hours On Location

Date	Hours
9/25	7.5
Total	7.5

Operating Hours

Date	Hours
9/26	0.8
Total	0.8

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 225

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 42 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	D-TEX Lite "Class C" 65/3	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	120	Class "C"	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl		Calc.Disp Bbl 43
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 43.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	250	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	110.0	
				Total Volume	BBl	163.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1932	09/29/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Tommy Whitlow

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
VC	120 2-14I	Surface	Daniel Wells

EMP NAME							
Derek Lewis		Daniel Wells					
Arthur Setzar							
Mike Chalfant							
Kevin Johnson							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000'

	Called Out	On Location	Job Started	Job Completed
Date	9/28/2012	9/28/2012	9/29/2012	9/29/2012
Time	0500	1200	0225	1100

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	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	Max. Allow
Casing		36#	9 5/8"	Surface	1,012	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	1,020	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
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 _____

Other _____

Hours On Location

Date	Hours
9/28	34.0
Total	34.0

Operating Hours

Date	Hours
9/29	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 100

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 47 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	-Tex Lite Premium Plus "C	(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	500	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM 1,500 PSI

_____ Lost Returns-N NO/FULL

_____ Actual TOC SURFACE

Average _____ Bump Plug PSI: 1,000

ISIP _____ 5 Min. _____ 10 Min. _____ 15 Min. _____

Preflush:	BBl	10.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	0
Calc. TOC:		SURFACE
Final Circ.	PSI:	300
Cement Slurry:	BBl	136.0
Total Volume	BBl	220.00

Type: Fresh Water

Pad:Bbl -Gal N/A

Calc.Disp Bbl 74

Actual Disp. 74.00

Disp:Bbl 74.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1959	10/05/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Tommy Whitlow

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
VC	120 2-14	Intermediate	LOUIS ARNEY

EMP NAME							
LOUIS ARNEY		DUSTIN ODOM					
JASON JONES							
BILLY TAFF							
MARCOS QUINTANA							

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 6539

	Called Out	On Location	Job Started	Job Completed
Date	10/5/2012	10/6/2012	10/6/2012	10/6/2012
Time	20:30	00:00	2:41	3:52

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	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,539	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	resh Wate	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 _____

Hours On Location

Date	Hours
10/6	
Total	0.0

Operating Hours

Date	Hours
10/6	
Total	0.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 1000

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 90' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	150	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	15.60
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	20.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 205
		Actual TOC		Calc. TOC:		3,350	Actual Disp. 204.00
Average		Bump Plug PSI:	2,000	Final Circ.	PSI:	1,500	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min. _____	15 Min. _____	Cement Slurry:	BBl	60.0	
				Total Volume	BBl	284.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1984	10/13/12

COUNTY	State	COMPANY	CUSTOMER REP
Commanche	Kansas	dridge Exploration & Produc	Claude Hallmark

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
VC	1120 2-14I	Liner	Robert Burris

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Robert Burris		Frank Reeves					
Jessie McClain							
Billy Taff							
Rocky Anthis							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,534

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9432

	Called Out	On Location	Job Started	Job Completed
Date	10/13/2012	10/13/2012	10/13/2012	10/13/2012
Time	11:30	15:00	20:10	21:24

Tools and Accessories

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	

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5084	9,432	
Liner Tool				5,065	5,084	
HWDP				3,682	5,065	
Drill Pipe			3 1/2"	Surface	3,682	
Drill Collars						
Open Hole			6 1/8"	Surface	9,432	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9.1	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	Gel	BB	30	8.59
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				
Other				

Hours On Location

Date	Hours
10/13	7.5
Total	7.5

Operating Hours

Date	Hours
10/13	1.2
Total	1.2

Description of Job

Liner

Pressures

MAX 5000 PSI AVG. 876

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left In Pipe

Feet 88 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	450	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	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	30.00	Type: 8.59#SPACER
Breakdown		MAXIMUM	3,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 112
		Actual TOC	5,304	Calc. TOC:		5,304	Actual Disp. 112.00
Average		Bump Plug PSI:	1,300	Final Circ.	PSI:	750	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	115.4	
				Total Volume	BBl	257.40	

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	5102	4568	658
BHL	9432	89.80	181.60	5068.52	-4770.72	-92.74	4771.62	0.00	4972	330	4526	657
Miss Entry	5218	64.46	181.88	5009.08	-569.20	-10.51	569.30	8.22	770	4533	4564	658
Top Perf	5240	65.92	181.66	5018.28	-589.17	-11.11	589.27	7.01	790	4513	4564	658
Bottom Perf	9318	88.95	181.30	5067.37	-4656.77	-89.84	4657.64	0.93	4858	444	4528	657

Survey Points		X	Y
	NW Corner XY Coord	1717623	251158
	SW Corner XY Coord	1717567	245889
	NE Corner XY Coord	1722851	251122
	SE Corner XY Coord	1722747	245816

	X	Y
Surface XY	1722189	250926

	m
North Line slope	-0.006886
East Line slope	0.0196005
South Line slope	-0.0140927
West Line slope	0.0106282

	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	5102	4568	658
	1236	0.90	192.30	1235.95	-9	-2	9.52	0.07	210	5093	4566	660
	1693	1.00	237.90	1692.89	-15	-6	15.23	0.16	216	5087	4562	664
	2150	0.60	252.90	2149.85	-18	-12	18.16	0.10	219	5084	4557	670
	2606	0.60	281.40	2605.82	-18	-16	18.48	0.07	219	5084	4552	674
	3064	0.70	295.60	3063.79	-16	-21	16.89	0.04	217	5085	4547	679
	3521	0.30	340.30	3520.78	-14	-24	14.62	0.12	215	5088	4544	682
	3976	0.00	137.60	3975.78	-13	-25	13.50	0.07	214	5089	4544	683
	4098	0.30	62.00	4097.77	-13	-24	13.35	0.25	214	5089	4544	682
	4131	0.20	57.30	4130.77	-13	-24	13.27	0.31	214	5089	4544	682
	4161	1.60	175.90	4160.77	-13	-24	13.66	5.68	214	5089	4544	682
	4191	4.40	186.90	4190.73	-15	-24	15.22	9.49	215	5087	4544	682
	4222	7.70	183.20	4221.55	-18	-25	18.48	10.71	219	5084	4544	682
	4252	10.10	181.40	4251.19	-23	-25	23.12	8.05	223	5079	4544	682
	4283	10.90	180.80	4281.67	-28	-25	28.77	2.61	229	5074	4544	682
	4313	12.30	178.80	4311.05	-34	-25	34.80	4.86	235	5067	4544	682
	4344	14.30	176.40	4341.22	-41	-25	41.91	6.69	242	5060	4544	682
	4374	16.80	175.70	4370.12	-49	-24	49.92	8.36	250	5052	4545	681
	4405	19.40	175.60	4399.58	-59	-23	59.50	8.39	260	5043	4546	680
	4435	21.40	176.70	4427.70	-69	-23	69.92	6.79	270	5032	4547	679
	4466	23.00	175.90	4456.40	-81	-22	81.59	5.25	282	5021	4548	678
	4496	24.50	175.90	4483.86	-93	-21	93.62	5.00	294	5009	4549	677
	4527	25.80	177.10	4511.92	-106	-20	106.75	4.51	307	4995	4549	676
	4557	26.50	176.70	4538.85	-120	-19	119.93	2.41	320	4982	4550	675
	4588	27.20	177.60	4566.51	-134	-19	133.90	2.61	334	4968	4551	674
	4618	28.60	177.40	4593.02	-148	-18	147.91	4.68	348	4954	4552	673
	4648	31.30	177.40	4619.01	-163	-17	162.85	9.00	363	4939	4553	672
	4679	33.90	177.90	4645.13	-179	-17	179.52	8.43	380	4923	4554	671
	4709	34.10	177.20	4670.00	-196	-16	196.26	1.47	397	4906	4555	670
	4740	35.20	176.80	4695.50	-214	-15	213.84	3.62	414	4888	4556	669
	4770	37.00	177.10	4719.74	-231	-14	231.47	6.03	432	4871	4557	668
	4799	39.10	176.70	4742.57	-249	-13	249.29	7.29	450	4853	4558	666
	4829	41.90	176.90	4765.38	-269	-12	268.72	9.34	469	4833	4559	665
Top of Tangent	4860	45.20	177.10	4787.85	-290	-11	290.02	10.66	490	4812	4561	663
@ 4890'	4890	47.90	178.40	4808.48	-312	-10	311.75	9.53	512	4790	4562	662
	4921	48.20	178.90	4829.20	-335	-10	334.79	1.54	535	4767	4562	661
	4951	47.90	179.10	4849.26	-357	-9	357.08	1.12	558	4745	4563	660
	4982	48.00	179.10	4870.02	-380	-9	380.08	0.32	581	4722	4564	660
Btm of Tangent	5012	48.80	178.90	4889.94	-402	-8	402.50	2.71	603	4700	4564	659
@ 5073'	5043	48.60	179.30	4910.40	-426	-8	425.78	1.17	626	4676	4565	658
	5073	48.60	179.80	4930.24	-448	-8	448.27	1.25	649	4654	4565	657
	5104	51.60	180.60	4950.12	-472	-8	472.04	9.88	673	4630	4566	657
	5134	55.60	181.30	4967.92	-496	-8	496.18	13.47	697	4606	4565	657
	5164	59.60	181.70	4983.99	-521	-9	521.51	13.38	722	4581	4565	657
	5195	62.70	181.80	4998.95	-549	-10	548.65	10.00	749	4553	4564	657
	5225	65.00	181.90	5012.17	-575	-11	575.58	7.67	776	4527	4564	658
	5256	66.90	181.40	5024.80	-604	-12	603.88	6.30	804	4498	4563	658
	5286	68.90	182.30	5036.09	-632	-12	631.67	7.22	832	4470	4563	658
	5316	72.40	182.90	5046.02	-660	-14	659.97	11.82	860	4442	4562	659
	5347	75.50	183.30	5054.59	-690	-15	689.73	10.08	890	4412	4560	660
	5377	78.10	183.70	5061.44	-719	-17	718.91	8.76	919	4383	4559	661
	5408	79.90	183.40	5067.36	-749	-19	749.31	5.88	950	4353	4557	662
	5438	82.20	183.30	5072.03	-779	-21	778.92	7.67	979	4323	4556	664
	5469	85.90	183.30	5075.24	-809	-22	809.73	11.94	1010	4292	4555	665
	5483	87.00	182.90	5076.11	-823	-23	823.69	8.36	1024	4278	4554	665
	5579	90.10	182.90	5078.53	-919	-28	919.60	3.23	1120	4183	4550	668
	5672	89.70	181.40	5078.70	-1012	-32	1012.58	1.67	1213	4090	4548	670
	5765	89.50	180.90	5079.35	-1105	-33	1105.58	0.58	1306	3997	4547	670
	5857	89.30	180.60	5080.31	-1197	-35	1197.57	0.39	1398	3905	4547	669
	5949	88.90	179.90	5081.76	-1289	-35	1289.55	0.88	1490	3813	4547	668
	6041	90.00	180.60	5082.64	-1381	-35	1381.53	1.42	1582	3721	4548	667
	6134	90.50	180.30	5082.23	-1474	-36	1474.52	0.63	1675	3628	4548	665
	6226	90.80	180.30	5081.19	-1566	-37	1566.50	0.33	1767	3536	4548	664
	6318	90.00	180.70	5080.55	-1658	-37	1658.49	0.97	1859	3444	4549	663
	6410	90.40	180.70	5080.23	-1750	-39	1750.49	0.44	1951	3352	4548	662

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
6502	90.00	180.30	5079.90	-1842	-39	1842.48	0.62	2043	3260	4549	661
6594	89.10	180.10	5080.63	-1934	-40	1934.47	1.00	2135	3168	4549	660
6686	89.50	180.40	5081.75	-2026	-40	2026.45	0.54	2227	3076	4550	659
6778	90.20	180.40	5081.99	-2118	-41	2118.44	0.76	2319	2984	4550	657
6871	90.60	180.40	5081.34	-2211	-41	2211.43	0.43	2412	2891	4551	656
6968	90.10	180.70	5080.75	-2308	-42	2308.42	0.60	2509	2794	4551	655
7064	90.40	181.40	5080.33	-2404	-44	2404.42	0.79	2605	2698	4550	655
7160	89.60	181.80	5080.33	-2500	-47	2500.41	0.93	2701	2602	4548	656
7255	88.70	180.90	5081.74	-2595	-49	2595.40	1.34	2796	2507	4547	656
7351	88.00	180.40	5084.50	-2691	-50	2691.35	0.90	2892	2411	4547	656
7448	88.60	179.70	5087.38	-2788	-50	2788.29	0.95	2989	2314	4548	654
7543	90.10	179.70	5088.46	-2883	-50	2883.25	1.58	3084	2219	4549	651
7640	91.70	179.90	5086.94	-2980	-49	2980.21	1.66	3181	2122	4551	649
7735	92.70	179.90	5083.29	-3075	-49	3075.11	1.05	3276	2027	4552	647
7832	92.70	179.80	5078.72	-3172	-49	3171.98	0.10	3373	1930	4553	645
7927	91.60	180.60	5075.16	-3267	-49	3266.90	1.43	3467	1835	4554	643
8023	91.50	180.20	5072.56	-3363	-50	3362.85	0.43	3563	1739	4554	642
8119	90.60	181.90	5070.80	-3458	-52	3458.83	2.00	3659	1643	4554	642
8215	91.10	182.20	5069.38	-3554	-55	3554.81	0.61	3755	1547	4551	644
8310	90.90	182.20	5067.72	-3649	-59	3649.78	0.21	3850	1452	4548	645
8406	90.90	181.70	5066.21	-3745	-62	3745.75	0.52	3946	1356	4546	647
8502	90.50	181.40	5065.04	-3841	-65	3841.74	0.52	4042	1260	4545	647
8597	89.70	182.10	5064.87	-3936	-68	3936.73	1.12	4137	1165	4543	649
8693	89.70	181.90	5065.37	-4032	-71	4032.72	0.21	4233	1069	4540	650
8788	90.10	181.10	5065.54	-4127	-73	4127.72	0.94	4328	974	4539	651
8882	90.10	181.40	5065.38	-4221	-75	4221.71	0.32	4422	880	4538	651
8979	89.90	182.20	5065.38	-4318	-78	4318.71	0.85	4519	783	4536	652
9073	90.60	182.30	5064.97	-4412	-82	4412.69	0.75	4613	689	4533	654
9167	89.60	182.10	5064.80	-4506	-86	4506.67	1.09	4707	595	4531	656
9263	88.60	181.30	5066.31	-4602	-89	4602.65	1.33	4803	499	4529	657
9358	89.20	181.30	5068.13	-4697	-91	4697.63	0.63	4898	404	4528	657
9382	89.80	181.60	5068.34	-4721	-91	4721.62	2.80	4922	380	4527	657
9432	89.80	181.60	5068.52	-4771	-93	4771.62	0.00	4972	330	4526	657
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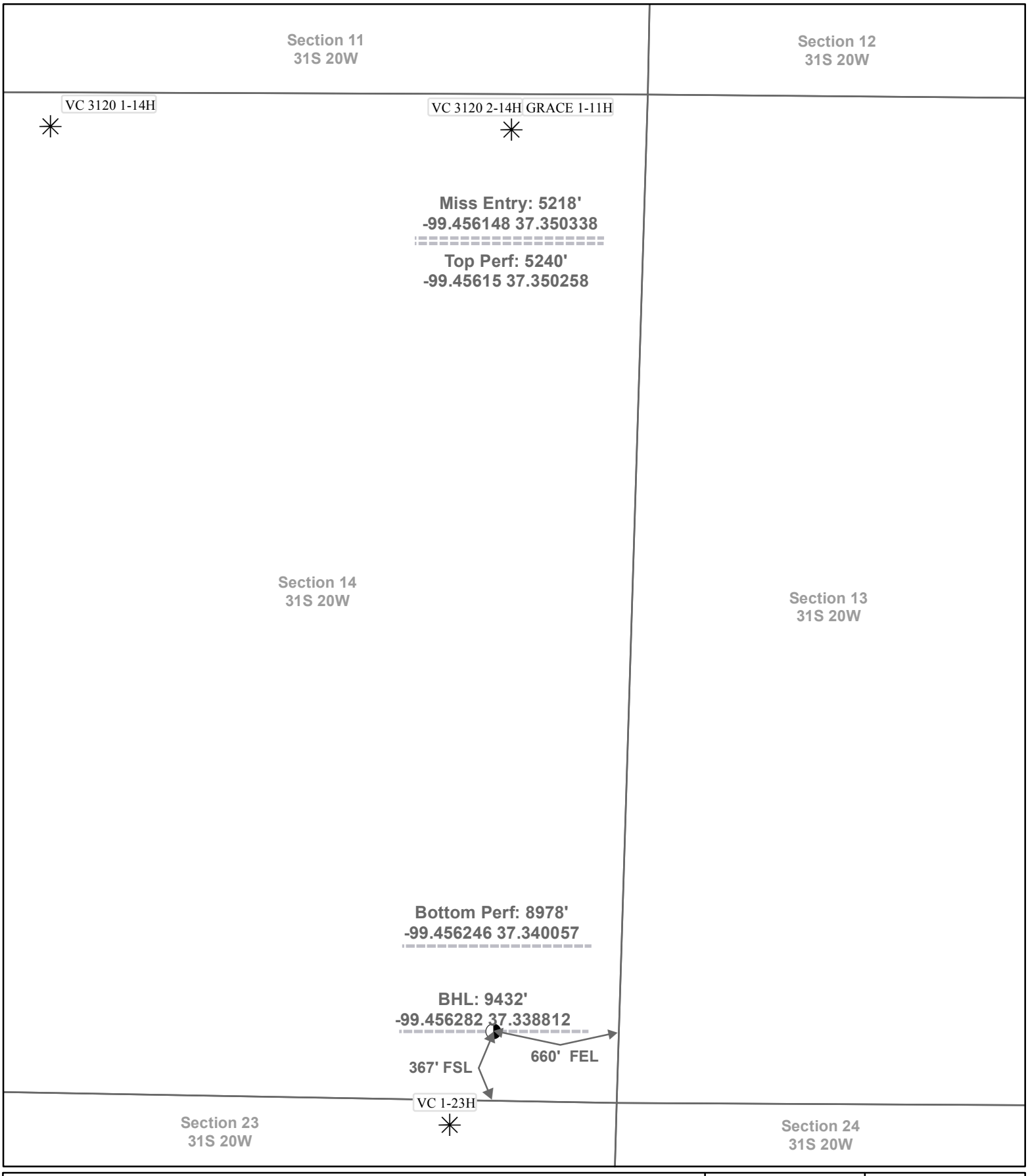

SANDRIDGE
THE POWER OF US

Actual BH Location
SandRidge Wells
Sections
Perf

Actual Bottom-Hole Location of VC 3120 2-14H
Comanche County, Kansas
T&R: 31S 20W
Section: 14, 660' FEL & 367' FSL
Long/Lat: --99.456282 37.338812

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 1/10/2013
Drawing Name/Number: Addendum_VC_2-14H .mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Tiffany Golay 01/10/013 10:28 am	Additional Fluid Mgmt Information: 560 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43, Lipscomb, TX, 10-0992 and 420 bbls hauled to Gray Mud Disposal, SW/4 15-24N-7W, Garfield, OK, 323003