Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1124971

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 #:

2/2/2013	3/14/2013	4/7/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21693-01-00
Spot Description:
W2 - NE - NE - SE Sec. 13 Twp. 31 S. R. 20 ☐ East ☑ West
2310 Feet from ☐ North / ☑ South Line of Section
640 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: Gabriel 3120 Well #: 1-12H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2042 Kelly Bushing: 2062
Total Vertical Depth: 9999 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 941 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: 15000 ppm Fluid volume: 6160 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Lojo Disposal
Lease Name: Unnamed License #: 99999
Quarter SW Sec. 10 Twp. 26 S. R. 15 ☐ East ☑ West
County: Woods, OK Permit #: 563714

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: 05/28/2013
☑ **Confidential Release Date:** 05/28/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/30/2013

1124971

Operator Name: SandRidge Exploration and Production LLC Lease Name: Gabriel 3120 Well #: 1-12H

Sec. 13 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:

Boresight
Induction
Density

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

Name	Top	Datum
Base Heebner	4149	
Lansing Ls/Shale Group	4297	
Oswego Ls Group	4843	
Cherokee Shale marker	4908	
Miss Unconformity	5008	
Mississippi 'Solid'	5026	

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. 4/15/2013

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	Gabriel 3120 1-12H
Doc ID	1124971

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9824-10208	4234 bbls water, 36 bbls acid, 75M lbs sd, 4398 TLTR	
5	9308-9701	4222 bbls water, 36 bbls acid, 75M lbs sd, 8950 TLTR	
5	8814-9164	4214 bbls water, 36 bbls acid, 75M lbs sd, 13420 TLTR	
5	8328-8675	4207 bbls water, 36 bbls acid, 75M lbs sd, 17963 TLTR	
5	7806-8242	4199 bbls water, 36 bbls acid, 75M lbs sd, 22364 TLTR	
5	7328-7698	4191 bbls water, 36 bbls acid, 75M lbs sd, 26725 TLTR	
5	6840-7106	4184 bbls water, 36 bbls acid, 75M lbs sd, 31054 TLTR	
5	6378-6710	4177 bbls water, 36 bbls acid, 75M lbs sd, 35419 TLTR	
5	5848-6225	4168 bbls water, 36 bbls acid, 75M lbs sd, 39753 TLTR	
5	5333-5775	4160 bbls water, 36 bbls acid, 75M lbs sd, 44315 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Gabriel 3120 1-12H
Doc ID	1124971

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	20	75	120	Pro Oilfield Services 10 Sack Grout	14	none
Surface	12.25	9.63	36	941	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	550	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5517	50/50 Poz Premium/ Premium	250	4% gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Production Liner	6.12	4.5	11.6	9999	50/50 Premium Poz	570	4% gel, .4% C-12, .1% C-37, .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/

March 18, 2013

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

Re: ACO1
API 15-033-21693-01-00
Gabriel 3120 1-12H
SE/4 Sec.13-31S-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

PRO OILFIELD SERVICES, LLC

P.O. BOX 3660
HOUMA, LA 70361-3660

Customer : SAN400

BILL TO : **SANDRIDGE ENERGY**
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-6406
PHONE: (405) 753-5500 FAX: ()

Division : 0701
Delivery Ticket : 4247
Delivery Date : 2/14/2013
Office : 12/1/1901

Ordered By :
Lease/Well : GABRIEL 1-12H
Rig Name/Number : LARIAT 45
AFE Number :
Site Contact :
:
:
:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	GABRIEL 1-12H	$21,250.00	$0.00	$21,250.00	2/2/2013 2/2/2013	$21,250.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
77	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
77	16" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
14	CEMENT 10 SACK GROUT	$0.00	$0.00	$0.00	2/2/2013 2/2/2013	
	Sub Total:	$21,250.00	$0.00			$21,250.00

Print Name

Signature

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2478	03/03/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Bill

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Gabriel 3120	1-12H	Surface	L. ARNEY

EMP NAME							
L. ANEY		0					
M. QUINTANA							
0.00							
0.00							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 950'

	Called Out	On Location	Job Started	Job Completed
Date	3/3/2013	3/4/2013	3/4/2013	3/4/2013
Time	1800	0000	0449	0630

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		5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	950'	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
3/4	6.5
Total	6.5

Operating Hours

Date	Hours
3/4	1.7
Total	1.7

Description of Job

Surface

Pressures

MAX 1,000 PSI AVG. 150

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 48 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	TEX 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)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	* 2% Calcium Chloride (On the Side)	6.32	1.32	14.80

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	34	Calc.Disp Bbl 69
		Actual TOC	SURFACE	Calc. TOC:		Surface	Actual Disp. 68.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	300	Disp:Bbl
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	133.0	
				Total Volume	BBl	211.00	

CUSTOMER REPRESENTATIVE Bill Tordoff

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2489	03/10/13

COUNTY	State	COMPANY	CUSTOMER REP
Commanche	Kansas	Sandridge Exploration & Production	Bill Torbet

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Gabriel 3120	1-12H	Intermediate	Johnny Breeze

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Johnny Breeze		Mike Hall					
Wesley Truex							
Vontray							
Eric Parsons							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5522

	Called Out	On Location	Job Started	Job Completed
Date	3/9/2013	3/9/2013	3/10/2013	3/10/2013
Time		8:00pm	9:30am	11:30am

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	5,522	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,525	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.		8.33
Spacer type	C-63	BBL. 30		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

Date	Hours
3/9	14.0
Total	14.0

Operating Hours

Date	Hours
1/3	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG 4

Average Rates in BPM

MAX 8 BPM AVG 500

Cement Left in Pipe

Feet 92 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: _____

Breakdown _____ MAXIMUM 5,000 PSI

_____ Lost Returns-N NO/FULL

_____ Actual TOC _____

Average _____ Bump Plug PSI: 2,500

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

Preflush:	BBl	30.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	N/A
Calc. TOC:		4,159
Final Circ.	PSI:	1,900
Cement Slurry:	BBl	59.5
Total Volume	BBl	296.50

Type: WEIGHTED SP.

Pad:Bbl -Gal N/A

Calc.Disp Bbl 208

Actual Disp. 207.00

Disp:Bbl _____

CUSTOMER REPRESENTATIVE Bill Torbet

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2507	03/15/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Bill Torbitt

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Gabriel 3120	1-12H	Liner	John Hall

EMP NAME							
John Hall		Brett Armer					
Byran Douglas							
Rocky Anthis							
Joseph Klemm							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,517'

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 10,314'

	Called Out	On Location	Job Started	Job Completed
Date	3/15/2013	3/16/2013	3/16/2013	3/16/2013
Time	900 pm	1200 am	250	500

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		10,314'	
Liner Tool						
HWDP						
Drill Pipe			3 1/2"			
Drill Collars						
Open Hole			6 1/8"	Surface	10,314'	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	C-63	BBL. 30		8.50
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
3/15	6.0
Total	6.0

Operating Hours

Date	Hours
3/15	2.5
Total	2.5

Description of Job

Liner

Pressures

MAX 5000psi AVG.

Average Rates in BPM

MAX 5 BPM AVG

Cement Left in Pipe

Feet Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	570	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:	C-63	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 125
		Actual TOC	4,697'	Calc. TOC:		4,697'	Actual Disp. 125.00
Average		Bump Plug PSI:		Final Circ.	PSI:		Disp:Bbl 125.00
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	148.0	
				Total Volume	BBl	301.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

Standard Wellpath Report
Sandridge
Sec 13 - 31S - 20W, Kansas
Comanche County
Wellbore: Gabriel 3120 1-12H (Actual)

Wellbore

Name	Created	Last Revised
Gabriel 3120 1-12H (Actual)	22-Feb-2013	19-Mar-2013

Well

Name	Government ID	Last Revised
Gabriel 3120 1-12H		22-Feb-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Gabriel 3120 1-12H	248101.0000	1727381.0000	N37 20 39.4126	W99 26 15.9869	337.01S	649.01W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1728030.0000	248438.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 13 - 31S - 20W	1728030.0000	248438.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments

FINAL Surveys
MD 10314 is projection to bit @ TD

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Gabriel 3120 1-12H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 1.320 degrees
Bottom hole distance is 5651.41 Feet on azimuth 1.18 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 19-Mar-2013

Standard Wellpath Report
Sandridge
Sec 13 - 31S - 20W, Kansas
Comanche County
Wellbore: Gabriel 3120 1-12H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1727381.00	248101.00
1154.00	0.50	126.300	1153.99	2.98S	4.06E	0.04	-2.89	1727385.06	248098.02
1430.00	1.10	94.500	1429.96	3.90S	7.67E	0.26	-3.72	1727388.67	248097.10
1892.00	1.10	66.400	1891.88	2.47S	16.15E	0.12	-2.10	1727397.15	248098.53
2367.00	0.80	50.500	2366.81	1.46N	22.89E	0.08	1.99	1727403.89	248102.46
2842.00	0.20	85.000	2841.79	3.64N	26.28E	0.14	4.25	1727407.28	248104.64
3317.00	0.50	337.100	3316.79	5.62N	26.30E	0.12	6.23	1727407.29	248106.62
3791.00	0.70	65.400	3790.77	8.73N	28.12E	0.18	9.38	1727409.12	248109.73
4107.00	0.70	61.100	4106.74	10.47N	31.57E	==>	11.19	1727412.57	248111.47
4138.00	0.90	53.400	4137.74	10.71N	31.93E	0.73	11.44	1727412.93	248111.71
4170.00	1.40	13.400	4169.73	11.24N	32.22E	2.86	11.98	1727413.22	248112.24
4201.00	3.60	0.500	4200.70	12.58N	32.32E	7.28	13.32	1727413.32	248113.58
4233.00	5.70	356.100	4232.60	15.17N	32.22E	6.65	15.91	1727413.22	248116.17
4265.00	7.40	354.800	4264.39	18.81N	31.92E	5.33	19.54	1727412.92	248119.81
4296.00	9.30	353.200	4295.06	23.28N	31.45E	6.17	24.00	1727412.45	248124.28
4328.00	11.40	357.000	4326.53	29.01N	30.97E	6.90	29.72	1727411.97	248130.01
4360.00	13.50	3.000	4357.78	35.90N	31.00E	7.70	36.60	1727412.00	248136.90
4391.00	16.20	3.000	4387.74	43.83N	31.42E	8.71	44.54	1727412.42	248144.83
4423.00	18.60	1.300	4418.28	53.39N	31.77E	7.67	54.11	1727412.77	248154.39
4454.00	20.70	0.200	4447.47	63.82N	31.90E	6.88	64.53	1727412.90	248164.81
4486.00	22.80	359.500	4477.19	75.67N	31.87E	6.61	76.39	1727412.87	248176.67
4518.00	24.80	358.800	4506.47	88.58N	31.67E	6.31	89.29	1727412.67	248189.58
4549.00	26.40	359.100	4534.42	101.98N	31.43E	5.18	102.67	1727412.43	248202.97
4581.00	28.20	359.400	4562.86	116.65N	31.24E	5.64	117.34	1727412.24	248217.65
4613.00	30.20	0.500	4590.79	132.26N	31.23E	6.47	132.95	1727412.23	248233.26
4644.00	32.40	0.900	4617.28	148.36N	31.43E	7.13	149.05	1727412.43	248249.36
4676.00	35.00	1.000	4643.90	166.11N	31.72E	8.13	166.80	1727412.72	248267.11
4708.00	36.90	0.800	4669.80	184.90N	32.02E	5.95	185.59	1727413.01	248285.89
4739.00	38.50	0.000	4694.33	203.85N	32.15E	5.40	204.54	1727413.14	248304.85
4771.00	40.20	358.900	4719.07	224.14N	31.95E	5.74	224.82	1727412.95	248325.14
4803.00	42.40	358.100	4743.11	245.25N	31.39E	7.07	245.91	1727412.39	248346.25
4834.00	45.10	357.900	4765.50	266.67N	30.64E	8.72	267.31	1727411.64	248367.67
4866.00	47.70	357.100	4787.57	289.82N	29.63E	8.32	290.43	1727410.63	248390.82
4898.00	50.00	356.900	4808.63	313.88N	28.37E	7.20	314.45	1727409.37	248414.88
4929.00	50.60	357.500	4828.43	337.71N	27.20E	2.44	338.24	1727408.20	248438.70
4961.00	50.90	357.300	4848.67	362.46N	26.08E	1.06	362.97	1727407.08	248463.46
4993.00	51.10	357.300	4868.81	387.30N	24.91E	0.63	387.77	1727405.91	248488.30
5024.00	51.10	357.100	4888.28	411.40N	23.73E	0.50	411.84	1727404.73	248512.39
5056.00	51.20	356.900	4908.35	436.29N	22.42E	0.58	436.69	1727403.42	248537.28
5088.00	50.70	356.800	4928.51	461.10N	21.06E	1.58	461.46	1727402.06	248562.09
5119.00	51.90	357.400	4947.89	485.26N	19.83E	4.16	485.59	1727400.83	248586.25
5151.00	55.20	357.600	4966.90	510.97N	18.71E	10.32	511.27	1727399.71	248611.97
5183.00	58.70	358.300	4984.35	537.77N	17.76E	11.09	538.04	1727398.76	248638.77
5214.00	61.70	358.500	4999.76	564.66N	17.01E	9.69	564.90	1727398.01	248665.65
5246.00	65.00	358.400	5014.11	593.25N	16.23E	10.32	593.46	1727397.23	248694.24
5278.00	67.70	358.900	5026.94	622.55N	15.54E	8.56	622.74	1727396.54	248723.54
5309.00	70.10	359.600	5038.10	651.47N	15.17E	8.02	651.64	1727396.17	248752.46
5341.00	73.20	0.100	5048.18	681.83N	15.09E	9.80	682.00	1727396.09	248782.82
5372.00	75.80	0.600	5056.46	711.70N	15.27E	8.53	711.87	1727396.27	248812.69
5404.00	79.40	0.500	5063.33	742.95N	15.57E	11.25	743.11	1727396.57	248843.94
5436.00	83.60	0.500	5068.06	774.59N	15.85E	13.13	774.75	1727396.85	248875.58
5473.00	88.30	359.800	5070.67	811.49N	15.94E	12.84	811.64	1727396.94	248912.47
5552.00	90.80	359.700	5071.29	890.48N	15.60E	3.17	890.60	1727396.60	248991.46
5647.00	91.30	359.900	5069.55	985.46N	15.27E	0.57	985.55	1727396.27	249086.45
5742.00	91.70	2.500	5067.06	1080.40N	17.26E	2.77	1080.51	1727398.26	249181.38
5837.00	90.40	2.800	5065.32	1175.28N	21.65E	1.40	1175.47	1727402.65	249276.26
5932.00	89.90	2.500	5065.07	1270.18N	26.04E	0.61	1270.44	1727407.04	249371.16
6027.00	89.80	2.000	5065.32	1365.10N	29.77E	0.54	1365.43	1727410.77	249466.08
6122.00	89.00	0.900	5066.32	1460.07N	32.17E	1.43	1460.42	1727413.17	249561.04
6217.00	88.60	359.900	5068.31	1555.04N	32.84E	1.13	1555.39	1727413.84	249656.02
6309.00	89.10	0.200	5070.15	1647.02N	32.92E	0.63	1647.34	1727413.92	249748.00
6401.00	89.70	0.100	5071.12	1739.02N	33.16E	0.66	1739.32	1727414.16	249839.99
6494.00	91.30	0.400	5070.31	1832.01N	33.56E	1.75	1832.30	1727414.56	249932.98
6587.00	91.40	0.300	5068.11	1924.98N	34.13E	0.15	1925.26	1727415.13	250025.95
6679.00	91.40	1.600	5065.87	2016.94N	35.66E	1.41	2017.23	1727416.65	250117.91
6772.00	91.40	2.800	5063.59	2109.84N	39.22E	1.29	2110.19	1727420.22	250210.81
6864.00	89.70	2.400	5062.71	2201.74N	43.40E	1.90	2202.15	1727424.40	250302.70
6956.00	90.00	2.700	5062.95	2293.65N	47.49E	0.46	2294.13	1727428.49	250394.61
7048.00	90.00	1.800	5062.95	2385.58N	51.10E	0.98	2386.12	1727432.10	250486.54
7140.00	89.70	0.400	5063.19	2477.56N	52.87E	1.56	2478.12	1727433.87	250578.52

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Gabriel 3120 1-12H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 1.320 degrees
Bottom hole distance is 5651.41 Feet on azimuth 1.18 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 19-Mar-2013

Standard Wellpath Report
Sandridge
Sec 13 - 31S - 20W, Kansas
Comanche County
Wellbore: Gabriel 3120 1-12H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7232.00	90.20	1.500	5063.27	2569.54N	54.39E	1.31	2570.11	1727435.39	250670.50
7324.00	90.60	1.100	5062.63	2661.52N	56.48E	0.61	2662.11	1727437.48	250762.47
7415.00	90.70	1.400	5061.60	2752.49N	58.47E	0.35	2753.10	1727439.47	250853.44
7507.00	91.30	1.600	5059.99	2844.44N	60.87E	0.69	2845.09	1727441.87	250945.40
7600.00	91.80	1.100	5057.48	2937.38N	63.06E	0.76	2938.05	1727444.06	251038.33
7692.00	91.20	1.700	5055.07	3029.32N	65.31E	0.92	3030.02	1727446.31	251130.27
7784.00	90.00	1.900	5054.11	3121.27N	68.20E	1.32	3122.01	1727449.20	251222.22
7877.00	89.40	1.300	5054.59	3214.23N	70.80E	0.91	3215.01	1727451.80	251315.18
7969.00	90.00	1.900	5055.07	3306.19N	73.37E	0.92	3307.01	1727454.37	251407.14
8061.00	89.40	1.000	5055.56	3398.16N	75.69E	1.18	3399.00	1727456.69	251499.11
8156.00	89.50	0.500	5056.47	3493.15N	76.94E	0.54	3493.99	1727457.94	251594.09
8251.00	90.20	0.800	5056.72	3588.14N	78.02E	0.80	3588.99	1727459.01	251689.08
8346.00	90.50	0.900	5056.14	3683.13N	79.42E	0.33	3683.98	1727460.42	251784.07
8440.00	90.80	1.000	5055.07	3777.11N	80.98E	0.34	3777.97	1727461.98	251878.05
8535.00	91.50	2.200	5053.16	3872.05N	83.63E	1.46	3872.95	1727464.63	251972.99
8630.00	91.60	1.700	5050.59	3966.96N	86.87E	0.54	3967.91	1727467.86	252067.90
8725.00	91.40	1.100	5048.11	4061.90N	89.19E	0.67	4062.88	1727470.19	252162.83
8820.00	91.40	2.700	5045.79	4156.82N	92.34E	1.68	4157.84	1727473.33	252257.75
8915.00	90.30	2.400	5044.38	4251.71N	96.56E	1.20	4252.81	1727477.56	252352.64
9010.00	90.80	2.400	5043.46	4346.62N	100.54E	0.53	4347.78	1727481.54	252447.55
9105.00	91.60	1.500	5041.48	4441.54N	103.77E	1.27	4442.76	1727484.77	252542.47
9200.00	89.40	359.400	5040.65	4536.53N	104.52E	3.20	4537.73	1727485.52	252637.45
9295.00	89.40	0.500	5041.64	4631.52N	104.43E	1.16	4632.70	1727485.43	252732.44
9390.00	89.60	0.700	5042.47	4726.51N	105.43E	0.30	4727.69	1727486.43	252827.43
9485.00	90.00	1.400	5042.80	4821.49N	107.17E	0.85	4822.68	1727488.17	252922.41
9580.00	89.00	1.000	5043.63	4916.47N	109.16E	1.13	4917.68	1727490.16	253017.39
9675.00	88.80	2.000	5045.45	5011.42N	111.65E	1.07	5012.66	1727492.64	253112.33
9770.00	88.40	1.600	5047.78	5106.34N	114.63E	0.60	5107.63	1727495.63	253207.26
9865.00	88.40	0.500	5050.43	5201.29N	116.37E	1.16	5202.59	1727497.37	253302.20
9959.00	89.60	0.100	5052.07	5295.27N	116.86E	1.35	5296.56	1727497.86	253396.18
10054.00	89.50	0.200	5052.81	5390.27N	117.11E	0.15	5391.53	1727498.11	253491.18
10149.00	90.10	360.000	5053.15	5485.26N	117.28E	0.67	5486.51	1727498.27	253586.17
10244.00	91.50	359.300	5051.82	5580.25N	116.70E	1.65	5581.46	1727497.69	253681.16
10265.00	91.80	359.600	5051.22	5601.24N	116.49E	2.02	5602.44	1727497.49	253702.15
10314.00	91.80	359.600	5049.68	5650.22N	116.15E	==>	5651.39	1727497.15	253751.12

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Vertical Section is from 0.00N 0.00E on azimuth 1.320 degrees
Bottom hole distance is 5651.41 Feet on azimuth 1.18 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 19-Mar-2013

Standard Wellpath Report
Sandridge
Sec 13 - 31S - 20W, Kansas
Comanche County
Wellbore: Gabriel 3120 1-12H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
10314.00	5049.68	5650.22N	116.15E	Projection to bit @ TD

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Gabriel 3120 1-12H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 1.320 degrees
Bottom hole distance is 5651.41 Feet on azimuth 1.18 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 19-Mar-2013

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/30/2013
Job End Date:	4/3/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21693-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Gabriel 3120 1-12H
Longitude:	-99.43770000
Latitude:	37.34420000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	1,662,226
Total Base Non Water Volume:	

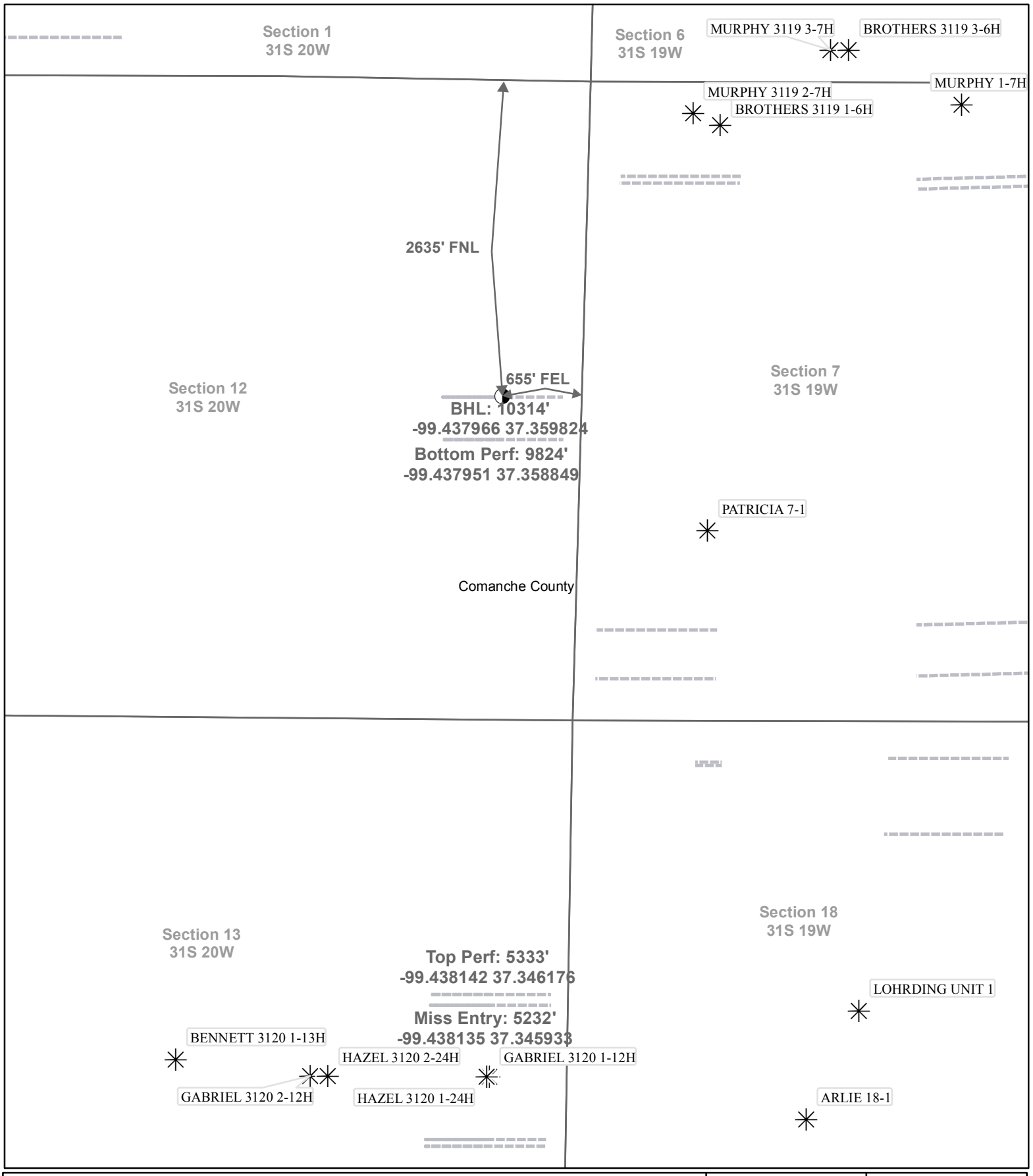
Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Water (Including Mix Water Supplied by Client)*	-		94.66317	
			Crystalline silica	14808-60-7	95.79832	5.11259	
			Hydrogen chloride	7647-01-0	2.73340	0.14588	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.33475	0.01786	
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.27896	0.01489	
			Methanol	67-56-1	0.25379	0.01354	
			Ammonium chloride	12125-02-9	0.16040	0.00856	
			Alcohol, C11 linear, ethoxylated	34398-01-1	0.12101	0.00646	
			Alcohol, C9-C11, Ethoxylated	68439-46-3	0.08067	0.00431	
			Glutaraldehyde	111-30-8	0.06580	0.00351	
			Ethoxylated oleic acid	9004-96-0	0.02790	0.00149	
			Trisodium ortho phosphate	7601-54-9	0.02631	0.00140	
			Sorbitan monooleate	1338-43-8	0.02441	0.00130	
			Sodium erythorbate	6381-77-7	0.02110	0.00113	

			Sorbitol Tetraoleate	61723-83-9	0.01743	0.00093	
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.01437	0.00077	
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01437	0.00077	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.01451	0.00077	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01175	0.00063	
			Fatty acids, tall-oil	61790-12-3	0.00816	0.00044	
			C14 alpha olefin ethoxylate	84133-50-6	0.00767	0.00041	
			Ethane-1,2-diol	107-21-1	0.00749	0.00040	
			2-Propenoic acid, ammonium salt	10604-69-0	0.00697	0.00037	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00672	0.00036	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00313	0.00017	
			Prop-2-yn-1-ol	107-19-7	0.00208	0.00011	
			Ethanol	64-17-5	0.00141	0.00008	
			Alkenes, C>10 a-	64743-02-8	0.00139	0.00007	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Gabriel 3120 1-12H
Comanche County, Kansas
T&R: 31S 20W
Section: 12, 655' FEL & 2635' FNL
Long/Lat: -99.437966 37.359824

1 in = 1,051 ft

0 800 1,600 3,200 Feet

N

Draftsman: Aaron Birk

Draft Date: 5/22/2013

Drawing Name/Number: Addendum_Gabriel_1-12H .mxd

Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502

Remarks

Tiffany Golay 05/06/013 11:25 am	Production liner depth: 10,314
Tiffany Golay 03/18/013 09:27 am	TD= 10,314' TVD= 5,049'