



1195962

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	2/23/2014
Job End Date:	2/26/2014
State:	Kansas
County:	Harper
API Number:	15-077-21993-00-00
Operator Name:	SandRidge Energy
Well Name and Number:	Bailey 3408 2-29H
Longitude:	-98.20316000
Latitude:	37.05158000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,725
Total Base Water Volume (gal):	2,605,596
Total Base Non Water Volume:	0



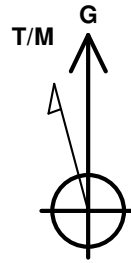
## Hydraulic Fracturing Fluid Composition:

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
Water	Operator	Carrier	Water	7732-18-5	100.00000	95.28187	
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	3.65158	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Water	7732-18-5	85.00000	0.72080	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.12720	SmartCare Product
FRW-15A, tote	Baker Hughes	Friction Reducer	Contains non-hazardous ingredients that are shown in the non-MSDS section of this report.	NA	100.00000	0.07249	SmartCare Product
NE-900, tote	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30.00000	0.01370	SmartCare Product
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10.00000	0.00457	SmartCare Product
Scaletrol 7208, 330 gal tote	Baker Hughes	Scale Inhibitor	Ethylene Glycol	107-21-1	30.00000	0.00757	
Ferrotrol 300L (Totes)	Baker Hughes	Iron Control	Citric Acid	77-92-9	60.00000	0.00277	SmartCare Product
CI-27 (260 gal tote)	Baker Hughes	Corrosion Inhibitor					



PROJECT DETAILS: Mid-Continent - Kansas

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Kansas South 1502  
 System Datum: Mean Sea Level



Azimuths to Grid North  
 True North: -0.18°  
 Magnetic North: -0.18°  
 Magnetic Field  
 Strength: 0.0snT  
 Dip Angle: 0.00°  
 Date: 11/27/2013  
 Model: USER DEFINED

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
4658.1	4929.8	Miss Lime	0.55	179.98

CASING DETAILS

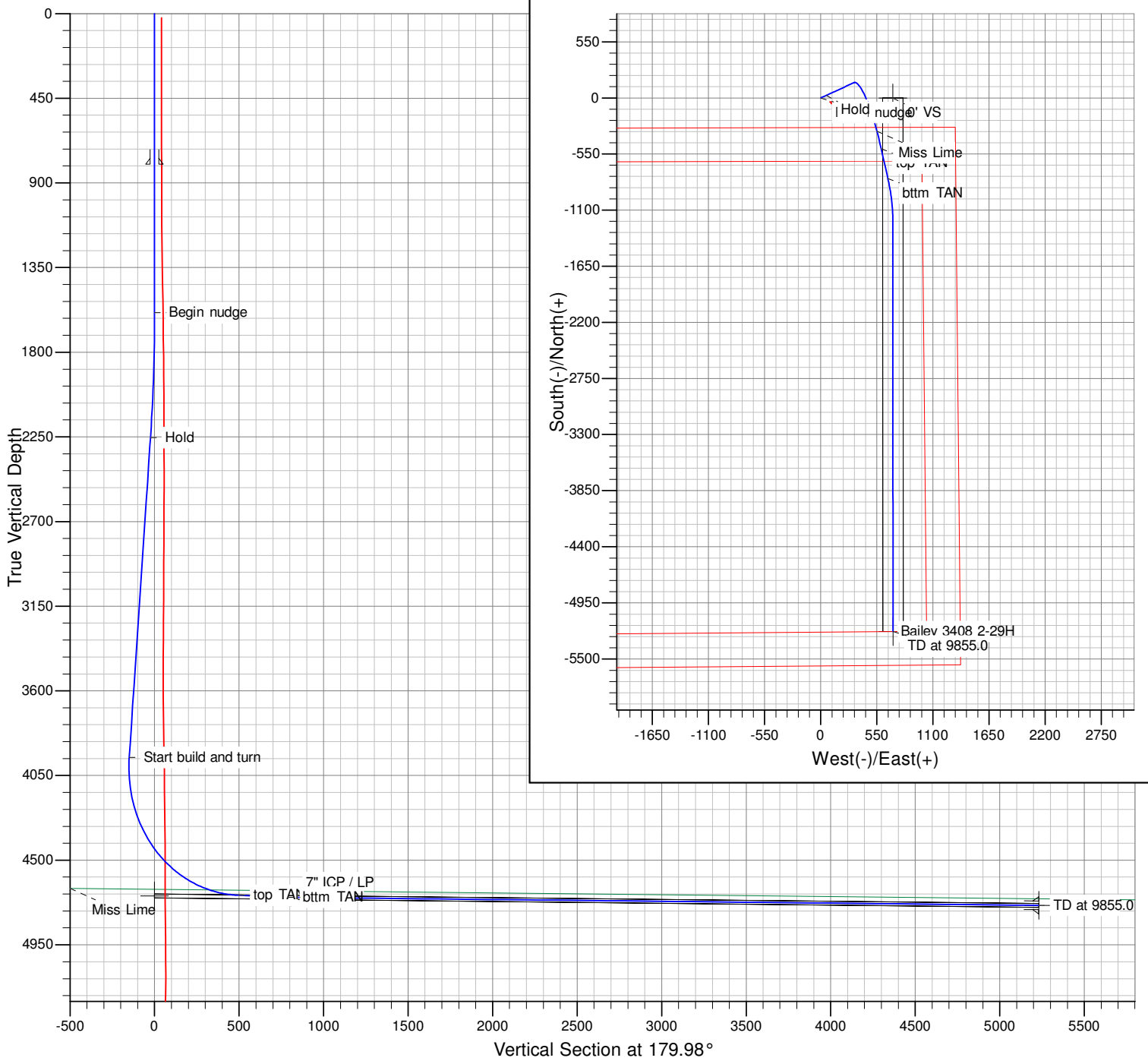
TVD	MD	Name	Size
800.0	800.0	9 5/8"	9-5/8
4697.7	5429.0	7"	7
4740.2	9855.0	4 1/2"	4-1/2

DESIGN DETAILS: Design #1

0' Vertical Section coordinates

Type	Target	Azimuth	Origin	Type	N/S	E/W	From	TVD
User	.	179.98	User		0.2	707.2		0.0

Project: Mid-Continent - Kansas  
 Site: T34S-R08W-Sec29  
 Well: Bailey 3408 2-29H  
 Wellbore: Bailey 3408 2-29H  
 Design: Design #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	
3	1590.5	0.00	0.00	1590.5	0.0	0.0	0.00	0.00	0.0	
4	2257.2	10.00	65.22	2253.8	24.3	52.7	1.50	65.22	-24.3	
5	3984.3	10.00	65.22	3954.7	150.0	325.0	0.00	0.00	-149.9	
6	5111.1	88.00	167.50	4686.9	-498.3	593.5	8.00	102.43	498.5	
7	5411.1	88.00	167.50	4697.3	-791.0	658.4	0.00	0.00	791.2	
8	5429.3	89.45	167.50	4697.7	-808.7	662.3	8.00	0.00	808.9	
9	5845.2	89.45	179.98	4701.7	-1221.4	707.6	3.00	90.06	1221.6	PBHL
10	9855.0	89.45	179.98	4740.2	-5231.0	709.0	0.00	0.00	5231.2	PBHL



SandRidge Energy  
Bailey #3408 2-29 Intermediate  
Harper County, KS.

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Bailey #3408 2-29 Intermediate Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3500 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 sacks) of 13.6 ppg Lead slurry:  
50:50 Class A:Poz Blend - 1.4 Yield  
2.0% Gel  
0.4% FL-160  
0.1% SA-51

22Bbls (100 sacks) of 15.6 ppg Tail slurry:  
Class A - 1.18 Yield  
0.8% FL-160  
0.2% CD-31

The top plug was then released and displaced with 212 of fresh water. The plug bumped and pressured up to 1400 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestion are greatly appreciated and helps us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



SandRidge Energy  
Bailey #3408 2-29  
Harper County, KS.

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Bailey #3408 2-29 Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

85 Bbls (255 sacks) of 12.7 ppg Lead slurry:  
65:35 Class A:Poz Blend - 1.87 Yield  
6.0% Gel  
2.0%cc  
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry:  
Class A - 1.20 Yield  
2.0%cc  
¼# Floseal

The top plug was then released and displaced with 60 of fresh water. The plug bumped and pressured up to 750 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestion are greatly appreciated, to help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs