



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1099619  
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: \_\_\_\_\_



1099619

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Faldtz 2231 1-26H
Doc ID	1099619

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8770-9100	5122 bbls water, 36 bbls acid, 76M lbs sd, 5158 TLTR	
5	8355-8685	4486 bbls water, 36 bbls acid, 76M lbs sd, 9824 TLTR	
5	7950-8275	4923 bbls water, 36 bbls acid, 75M lbs sd, 14903 TLTR	
5	7546-7873	4312 bbls water, 36 bbls acid, 74M lbs sd, 19371 TLTR	
5	7128-7454	4193 bbls water, 36 bbls acid, 75M lbs sd, 23803 TLTR	
5	6714-7047	4187 bbls water, 36 bbls acid, 78M lbs sd, 28112 TLTR	
5	6299-6637	4163 bbls water, 36 bbls acid, 75M lbs sd, 32379 TLTR	
5	5902-6232	4172 bbls water, 36 bbls acid, 75M lbs sd, 36602 TLTR	
5	5498-5832	4162 bbls water, 36 bbls acid, 79M lbs sd, 40806 TLTR	
5	5082-5418	4125 bbls water, 36 bbls acid, 74M lbs sd, 44931 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Faldtz 2231 1-26H
Doc ID	1099619

### 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	130	Pro Oilfield Services Cement	13	none
Surface	12.25	9.63	36	1842	Halliburton Extendacem and Swiftcem Systems	445	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5357	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9218	Halliburton Econocem System	475	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite



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

November 02, 2012

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

Re: ACO1  
API 15-055-22178-01-00  
Faldtz 2231 1-26H  
SE/4 Sec.26-22S-31W  
Finney 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 : 2849  
Delivery Date : 10/2/2012

Ordered By :  
Lease/Well : FALTDZ 2231 #1-26H  
Rig Name/Number : LARIATE 3  
AFE Number :  
Site Contact :

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	FALTDZ 2231 #1-26H	\$27,150.00	\$0.00	\$27,150.00	10/2/2012 / 10/2/2012	\$27,150.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
75	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
13	CEMENT	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
1	PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE	\$0.00	\$0.00	\$0.00	10/2/2012 / 10/2/2012	
Sub Total:		\$27,150.00	\$0.00			\$27,150.00

AFE Number: DC12438  
 Well Name: FALTDZ 2231 1-26H  
 Code: 830-010  
 Amount: 27,150.00  
 Co. Man: John Fortune  
 Co. Man Sig: [Signature]  
 Notes: \_\_\_\_\_

John Fortune  
 Print Name  
[Signature]  
 Signature

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956919	Quote #:	Sales Order #: 9883788
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ???, Jessie	
Well Name: Faldtz 2231	Well #: 1-26H	API/UWI #: 15-055-22178	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 26 Township 22S Range 31W			
Contractor: LARIAT		Rig/Platform Name/Num: 3	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srcv Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOHNSON, MATTHEW Warren	6.5	525955	MENDOZA, VICTOR	6.5	442596	RODRIGUEZ, EDGAR Alejandro	6.5	442125
TORRES, CLEMENTE	6.5	344233						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/15/2012	6.5	3.5						
TOTAL			Total is the sum of each column separately					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	15 - Oct - 2012	08:30	CST
Form Type			BHST	Job Started	15 - Oct - 2012	13:14	CST
Job depth MD	1848. ft		Job Depth TVD	1842. ft	Job Completed	15 - Oct - 2012	14:41
Water Depth			Wk Ht Above Floor	4. ft	Departed Loc	15 - Oct - 2012	16:30
Perforation Depth (MD)	From		To				

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25				.	1450.		
12.25" Open Hole- Lower				12.25				1450.	1850.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1850.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	HES
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

Stage/Plug #: 1
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# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	445.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)		sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		139.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	139	Shut In: Instant		Lost Returns		Cement Slurry	212	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	40	Actual Displacement	139	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	361
<b>Rates</b>									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	45.52 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956919	Quote #:	Sales Order #: 9903821
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mr., Jessie	
Well Name: Faldtz 2231	Well #: 1-26H	API/UWI #: 15-055-22178	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 26 Township 22S Range 31W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	7	371263	LUNA, JOSE A	7	480456	MENDOZA, VICTOR	7	442596

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	70 mile	10988832	70 mile	11133699	70 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10-22-2012	7	3.25						
TOTAL			Total is the sum of each column separately					

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	22 - Oct - 2012	07:30	CST
Form Type			BHST	Job Started	22 - Oct - 2012	13:00	CST
Job depth MD	5367. ft		Job Depth TVD	Job Completed	22 - Oct - 2012	14:10	GMT
Water Depth			Wk Ht Above Floor	10. ft	22 - Oct - 2012	15:40	CST
Perforation Depth (MD)	From		To	Departed Loc	22 - Oct - 2012		

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1850.	8301.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5300.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1842.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	H
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	H
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

Stage/Plug #: 1
-----------------



Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.18	5.2		5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement (TBC)		201.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	201	Shut In: Instant		Lost Returns	0	Cement Slurry	76	Pad	
Top Of Cement	2658.13	5 Min		Cement Returns	0	Actual Displacement	201	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	307
<b>Rates</b>									
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956919	Quote #:	Sales Order #: 9920872
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ??, Jessie	
Well Name: Faldtz 2231	Well #: 1-26H	API/UWI #: 15-055-22178	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 26 Township 22S Range 31W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CHRISTENSEN, STUART	MBU ID Emp #: 476488

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHRISTENSEN, STUART	15	476488	GARCIA, ADAM Joe	15	531492	JOHNSON, MATTHEW Warren	15	525955
REDFEARN, BRADY Tanner	15	497317						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/1/2012	10	3						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					31 - Oct - 2012	21:00	CST
Form Type			BHST	On Location	01 - Nov - 2012	03:00	CST
Job depth MD	9218. ft		Job Depth TVD	9218. ft	Job Started	01 - Nov - 2012	10:40
Water Depth			Wk Ht Above Floor	22. ft	Job Completed	01 - Nov - 2012	12:20
Perforation Depth (MD)	From		To		Departed Loc	01 - Nov - 2012	13:30

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5298.	9218.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4895.	9218.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5298.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4895.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

Stage/Plug #: 1
-----------------

# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		20.00	bbl	9.	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	475.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement/TB C		110.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	130	Shut In: Instant		Lost Returns	0	Cement Slurry	130	Pad	
Top Of Cement	2328	5 Min		Cement Returns	0	Actual Displacement	130	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	6	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	86 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					



# DIRECTIONAL SURVEY CALCULATION

## MINIMUM CURVATURE METHOD

Well Name		Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date			
Faldtz 2231 1-26H		1.45						1/16/13			
Job Number		Type of Survey	Tie-in Point				Directional Co.				
0											
Measured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate		Dogleg Severity	Build Up %/100 ft	Walk/ %/100 ft	
						N + / S -	E + / W -				
0	0	0	0	0.00	0.00						
<< TIE-IN POINT >>											
250	0	331	250	250.00	0.56	0.57	-0.32	0.12	0.12	132.36	
450	1	331	200	449.99	1.77	1.79	-1.00	0.10	0.10	0.00	
500	0	331	50	499.99	2.07	2.10	-1.17	0.40	-0.40	0.00	
720	0	331	220	719.99	3.22	3.27	-1.82	0.05	0.05	0.00	
1020	1	331	300	1,019.97	6.15	6.24	-3.48	0.17	0.17	0.00	
1217	1	331	197	1,216.95	8.52	8.65	-4.81	0.10	-0.10	0.00	
2014	1	315	797	2,013.80	19.87	20.24	-14.50	0.11	0.10	-1.98	
2483	1	330	469	2,482.69	27.47	28.01	-20.77	0.13	-0.11	3.24	
2948	0	338	465	2,947.66	31.80	32.40	-23.12	0.15	-0.15	1.57	
3421	0	357	473	3,420.65	34.23	34.84	-23.60	0.03	0.02	4.18	
3899	0	87	478	3,898.65	35.74	36.34	-22.91	0.08	-0.04	-56.58	
3931	1	36	32	3,930.65	35.87	36.46	-22.78	1.37	1.09	-158.22	
3962	1	348	31	3,961.65	36.31	36.90	-22.76	3.11	2.26	1,004.81	
3994	3	356	32	3,993.62	37.60	38.19	-22.90	6.94	6.88	26.06	
4026	6	351	32	4,025.51	40.12	40.72	-23.21	7.26	7.16	-15.66	
4055	8	350	29	4,054.32	43.43	44.05	-23.76	6.67	6.66	-3.31	
4086	10	353	31	4,084.95	48.08	48.72	-24.44	7.23	7.10	9.06	
4117	12	360	31	4,115.37	54.03	54.68	-24.77	9.26	8.23	22.23	
4148	15	5	31	4,145.47	61.44	62.08	-24.46	10.03	9.35	#####	
4179	18	6	31	4,175.15	70.35	70.98	-23.61	9.47	9.35	5.10	
4211	21	6	32	4,205.31	80.99	81.58	-22.47	7.97	7.97	0.00	
4242	23	5	31	4,234.09	92.49	93.06	-21.33	7.19	7.10	-3.10	
4273	25	5	31	4,262.40	105.08	105.62	-20.22	6.82	6.81	-0.87	
4304	28	5	31	4,290.19	118.78	119.30	-18.98	7.97	7.94	1.71	
4459	38	4	155	4,420.74	201.85	202.22	-12.30	6.46	6.44	-0.96	
4490	39	3	31	4,445.09	221.02	221.37	-11.07	4.95	4.84	-1.71	
4521	40	4	31	4,468.95	240.79	241.12	-9.84	4.23	4.19	0.84	
4552	42	4	31	4,492.31	261.15	261.45	-8.45	5.24	5.16	1.42	
4583	43	4	31	4,515.15	282.09	282.36	-7.00	4.26	4.19	-1.13	
4613	45	4	30	4,536.71	302.93	303.17	-5.58	5.70	5.67	0.87	
4645	47	4	32	4,559.02	325.85	326.06	-4.04	5.68	5.63	-1.09	
4676	48	3	31	4,579.94	348.71	348.89	-2.74	5.87	5.48	-2.84	
4707	49	3	31	4,600.50	371.90	372.06	-1.55	0.73	0.32	0.87	
4739	48	3	32	4,621.83	395.75	395.89	-0.38	2.25	-1.88	-1.66	
4770	48	3	31	4,642.64	418.73	418.85	0.70	0.70	-0.32	0.84	
4801	48	3	31	4,663.42	441.72	441.82	1.86	0.78	0.65	0.58	
4833	49	3	32	4,684.73	465.59	465.66	3.03	1.76	1.56	-1.09	
4864	49	3	31	4,705.27	488.80	488.85	4.14	0.41	0.00	0.55	
4895	50	2	31	4,725.53	512.26	512.30	5.20	4.64	4.52	-1.42	
4927	54	3	32	4,745.33	537.38	537.40	6.33	11.61	11.56	1.38	
4958	57	2	31	4,762.93	562.89	562.88	7.45	11.73	11.61	-1.97	
4989	61	2	31	4,778.94	589.43	589.41	8.36	11.03	10.97	-1.42	
5021	64	2	32	4,793.87	617.73	617.70	9.19	10.01	10.00	-0.56	
5051	66	1	30	4,806.59	644.90	644.86	9.89	7.35	7.33	-0.57	
5081	68	2	30	4,818.26	672.53	672.48	10.60	7.34	7.33	0.30	
5113	71	2	32	4,829.47	702.50	702.44	11.38	8.12	8.12	0.00	
5145	73	1	32	4,839.38	732.93	732.86	12.13	7.21	7.19	-0.56	
5177	75	1	32	4,848.20	763.68	763.61	12.62	6.14	5.63	-2.56	
5209	77	0	32	4,855.97	794.72	794.65	12.87	6.57	6.56	-0.19	
5241	81	360	32	4,862.10	826.11	826.05	12.92	12.38	12.19	1,122.81	
5272	84	0	31	4,866.07	856.84	856.79	12.90	11.38	11.29	#####	
5304	87	1	32	4,868.44	888.75	888.70	13.15	8.60	8.44	1.66	
5383	91	1	79	4,869.89	967.72	967.66	14.61	4.77	4.68	0.89	
5475	91	2	92	4,868.12	1,059.70	1,059.60	17.30	0.87	0.65	0.58	
5566	89	1	91	4,867.49	1,150.69	1,150.57	19.40	2.58	-2.20	-1.35	
5658	90	1	92	4,868.05	1,242.68	1,242.56	20.47	0.55	0.54	-0.10	
5750	91	0	92	4,867.41	1,334.66	1,334.55	21.25	1.13	1.09	-0.29	



# DIRECTIONAL SURVEY CALCULATION

## MINIMUM CURVATURE METHOD

Well Name		Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date			
Faldtz 2231 1-26H		1.45						1/16/13			
Job Number		Type of Survey	Tie-in Point				Directional Co.				
0											
Measured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate		Dogleg Severity	Build Up %/100 ft	Walk/ %/100 ft	
						N + / S -	E + / W -				
0	0	0	0	0.00	0.00					<< TIE-IN POINT >>	
5842	91	0	92	4,866.28	1,426.64	1,426.54	21.67	0.47	-0.43	-0.18	
5934	90	0	92	4,865.64	1,518.61	1,518.54	21.96	0.22	-0.22	0.00	
6026	91	0	92	4,864.68	1,610.58	1,610.54	22.18	0.66	0.65	-0.10	
6118	90	1	92	4,863.71	1,702.57	1,702.52	23.31	1.49	-0.65	1.34	
6210	91	1	92	4,862.35	1,794.55	1,794.49	25.08	1.29	1.20	-0.48	
6302	90	2	92	4,861.47	1,886.54	1,886.45	27.55	2.34	-1.85	1.43	
6393	89	3	91	4,862.34	1,977.53	1,977.37	31.32	0.67	-0.55	0.38	
6485	89	3	92	4,863.46	2,069.50	2,069.26	35.69	0.44	0.22	0.38	
6577	91	3	92	4,863.38	2,161.46	2,161.13	40.42	1.42	1.41	0.10	
6669	90	3	92	4,862.82	2,253.43	2,253.01	45.15	0.77	-0.76	-0.10	
6763	90	0	94	4,862.74	2,347.42	2,346.96	47.81	2.71	0.11	-2.71	
6858	90	359	95	4,862.49	2,442.37	2,441.96	47.23	1.48	0.11	377.47	
6953	90	357	95	4,862.32	2,537.17	2,536.88	43.59	2.42	-0.21	-2.41	
7047	90	357	94	4,862.58	2,630.87	2,630.74	38.48	0.57	-0.33	0.47	
7143	89	358	96	4,863.39	2,726.64	2,726.65	34.36	0.99	-0.36	0.92	
7238	87	358	95	4,866.52	2,821.43	2,821.54	31.30	2.62	-2.59	0.37	
7333	88	359	95	4,870.46	2,916.23	2,916.43	29.12	1.74	1.57	0.75	
7362	88	358	29	4,871.37	2,945.19	2,945.41	28.48	2.45	-1.21	-2.14	
7393	89	359	31	4,872.18	2,976.14	2,976.39	27.74	3.44	3.13	1.42	
7424	91	360	31	4,872.28	3,007.11	3,007.39	27.39	6.23	5.39	3.13	
7456	91	1	32	4,871.84	3,039.11	3,039.38	27.61	3.65	0.81	#####	
7488	92	1	32	4,871.12	3,071.10	3,071.37	28.28	2.61	2.22	1.38	
7520	92	1	32	4,870.14	3,103.08	3,103.34	29.06	0.81	0.81	0.00	
7551	93	1	31	4,868.76	3,134.05	3,134.30	29.83	4.26	4.26	0.00	
7583	94	1	32	4,866.78	3,165.99	3,166.23	30.49	2.58	2.19	-1.38	
7615	94	0	32	4,864.52	3,197.91	3,198.15	30.86	2.11	0.84	-1.94	
7647	95	360	32	4,862.04	3,229.80	3,230.05	30.93	2.13	1.62	1,123.63	
7678	93	1	31	4,859.83	3,260.72	3,260.97	31.26	6.03	-3.97	#####	
7710	94	2	32	4,857.87	3,292.66	3,292.90	32.05	0.63	0.28	0.56	
7741	93	2	31	4,856.14	3,323.61	3,323.84	33.02	2.99	-2.26	1.97	
7773	93	2	32	4,854.44	3,355.56	3,355.77	34.17	1.13	1.09	-0.28	
7805	94	2	32	4,852.48	3,387.50	3,387.69	35.23	2.10	1.94	-0.81	
7837	93	2	32	4,850.71	3,419.45	3,419.63	36.14	4.20	-4.12	-0.81	
7868	93	2	31	4,849.23	3,450.41	3,450.58	37.11	2.42	1.42	1.97	
7900	92	3	32	4,847.98	3,482.38	3,482.53	38.41	4.62	-4.41	1.38	
7932	92	2	32	4,847.09	3,514.37	3,514.49	39.78	0.63	0.28	-0.56	
7964	92	3	32	4,846.01	3,546.34	3,546.44	41.18	2.08	1.91	0.84	
7995	93	3	31	4,844.61	3,577.30	3,577.37	42.68	2.44	2.29	0.84	
8027	91	3	32	4,843.40	3,609.27	3,609.31	44.22	5.03	-4.97	-0.81	
8059	89	2	32	4,843.18	3,641.26	3,641.28	45.53	6.33	-6.03	-1.94	
8091	89	2	32	4,843.53	3,673.26	3,673.26	46.56	1.13	-0.28	-1.09	
8123	90	2	32	4,843.80	3,705.26	3,705.25	47.51	1.13	1.09	0.28	
8154	90	2	31	4,843.87	3,736.26	3,736.23	48.46	1.13	1.13	0.00	
8186	90	2	32	4,843.73	3,768.26	3,768.22	49.40	1.49	1.37	-0.56	
8217	91	1	31	4,843.39	3,799.26	3,799.21	50.11	1.89	0.87	-1.68	
8312	90	1	95	4,842.74	3,894.25	3,894.19	52.01	0.77	-0.75	0.18	
8407	91	360	95	4,841.72	3,989.23	3,989.17	52.66	2.13	1.21	377.19	
8502	91	1	95	4,839.89	4,084.19	4,084.15	53.32	1.77	-0.19	-377.19	
8597	91	2	95	4,837.86	4,179.17	4,179.10	55.65	0.59	0.46	0.37	
8692	90	3	95	4,836.76	4,274.15	4,274.02	59.29	2.11	-1.66	1.29	
8787	91	3	95	4,835.74	4,369.10	4,368.88	64.31	1.64	1.57	0.46	
8883	93	4	96	4,831.99	4,464.95	4,464.60	70.48	2.05	1.83	0.92	
8978	91	5	95	4,828.34	4,559.75	4,559.24	77.83	2.04	-1.94	0.65	
9073	89	3	95	4,827.90	4,654.66	4,654.02	84.09	2.96	-2.14	-2.04	
9163	90	2	90	4,828.32	4,744.64	4,743.93	88.23	1.15	1.08	-0.39	
9218	90	2	55	4,828.11	4,799.63	4,798.88	90.59	0.00	0.00	0.00	
0	0	0		4,828.11	4,799.63	4,798.88	90.59				







Section 23  
22S 31W

Section 24  
22S 31W

355' FNL  
631' FEL

HELEN ISAAC 2231 1-24H

BHL: 9218'  
-100.68494 38.118072

Bottom Perf: 8770'  
-100.685 38.116889

Section 26  
22S 31W

Section 25  
22S 31W

Top Perf: 5082'  
-100.68488 38.106738

Miss Entry: 4997'  
-100.68488 38.106509

FALDTZ 2231 1-26H

Section 35  
22S 31W

Section 36  
22S 31W

ISAAC FARMS 1-36H RYAN SWD 1-36



Actual Bottom-Hole Location of Faldtz 2231 1-26H  
Finney County, Kansas

T&R: 22S 31W  
Section: 26, 631' FEL & 355' FNL  
Long/Lat: -100.68494 38.118072

1 in = 667 ft

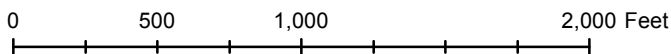


● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 1/29/2013

Drawing Name/Number:

Addendum\_Faldtz\_1-26H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

Tiffany Golay  
01/29/013 09:12  
am TVD= 4828'

Tiffany Golay  
01/21/013 03:08  
pm Fluid Mgmt Info: Weinett Disposall LLC: NW/4 Section  
1079 Block 43

Tiffany Golay  
01/15/013 08:48  
am Conductor weight= 106.5 lbs/ft