



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1076294  
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: \_\_\_\_\_

1076294

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

<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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hopkins 1-14H
Doc ID	1076294

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	11964-12468	4458 bbls water, 36 bbls acid, 75M lbs sd, 4494 TLTR	
5	11335-11766	4328 bbls water, 32 bbls acid, 76M lbs sd, 4360 TLTR	
5	10705-11211	4547 bbls water, 32 bbls acid, 75M lbs sd, 13897 TLTR	
5	10076-10582	4435 bbls water, 32 bbls acid, 75M lbs sd, 13897 TLTR	
5	9446-9952	4508 bbls water, 32 bbls acid, 75M lbs sd, 18618 TLTR	
5	8817-9323	4510 bbls water, 32 bbls acid, 75M lbs sd, 23313 TLTR	
5	8187-8693	4564 bbls water, 32 bbls acid, 75M lbs sd, 28041 TLTR	
5	7558-8064	4524 bbls water, 32 bbls acid, 75M lbs sd, 32705 TLTR	
5	6928-7434	4535 bbls water, 32 bbls acid, 75M lbs sd, 37352 TLTR	
5	6299-6805	4438 bbls wter, 32 bbls acid, 76M lbs sd, 41879 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hopkins 1-14H
Doc ID	1076294

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5669-6175	4433 bbls water, 32 bbls acid, 75M lbs sd, 46383 TLTR	
5	5070-5546	4467 bbls water, 32 bbls acid, 76M lbs sd, 50900 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hopkins 1-14H
Doc ID	1076294

### 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	90	Edge Services Grade A Grout	9	none
Surface	17.5	13.37	61	610	Halliburton Light Standard	720	3% Calcium Chloride, .25 lbm Poly-E-Flake
Surface 2	12.25	9.62	36	2506	Halliburton Standard	275	2% Calcium Chloride, .125 lbm Poly-E-Flake, 94 lbm CMT-Standard-Class A
Intermediate	8.75	7	26	5385	Premium	485	.4% halad(R)-9, 10 lbm Kol-Seal, .25 lbm Poly-E-Flake

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hopkins 1-14H
Doc ID	1076294

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	9650	50/50 Poz Standard	730	.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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 19, 2012

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

Re: ACO1  
API 15-077-21791-01-00  
Hopkins 1-14H  
SE/4 Sec.14-35S-07W  
Harper 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



# INVOICE

DATE	INVOICE #
3/9/2012	2995

<b>BILL TO</b>
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

<b>REMIT TO</b>
EDGE SERVICES, INC. BILLING DEPARTMENT PO BOX 14201 OKLAHOMA CITY, OK 73113

STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
3/7/2012	WO #2502	UNIT 310	HOPKINS 1-14 H	Due on rec...

Description	Amount
DRILLED 90' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE & SET 6' x 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED WELDER AND MATERIALS FURNISHED GROUT - 9 YARD OF GRADE A GROUT DRILL MOUSE HOLE - 80' OF 16" PIPE FOR MOUSE HOLE  TOTAL BID 5	22,650.00
Thank you for your business.	<b>TOTAL</b> \$22,650.00



ATTENTION: IMPORTANT REGULATORY DOCUMENT  
 retain for your records and file with  
 appropriate agency.

**HALLIBURTON**

*Cementing Job Summary*

*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 2915916	Quote #:	Sales Order #: 9367724
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Hopkins	Well #: 1-14H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 14 Township 35S Range 7W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: unit 310	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: SMITH, DUSTIN	MBU ID Emp #: 484672

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
SMITH, DUSTIN Shawn	0.0	484672						

**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

TOTAL Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)						
Form Type	BHST		On Location			
Job depth MD	2500. ft	Job Depth TVD	2510. ft	Job Started		
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	14 - Mar - 2012	02:00 GMT
Perforation Depth (MD)	From	To	Departed Loc			

**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
Surface Casing Open Hole Lower				12.25				2000.	2500.		
Surface Open Hole				12.25				600.	2000.		
Conductor Casing	Unknown		13.375	12.515	61.	BTC		.	600.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	2500.		

**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
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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	halliburton light standard	EXTENDACEM (TM) SYSTEM (452981)		sacks	12.4	2.33	12.79		12.79
	3 %	CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	12.794 Gal	FRESH WATER							
2	Standard	CMT - STANDARD CEMENT (100003684)		sacks	15.6	1.2	5.32		5.32
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	2 %	CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 2915916	Quote #:	Sales Order #: 9367724
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Hopkins	Well #: 1-14H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 14 Township 35S Range 7W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Unit Drilling *		Rig/Platform Name/Num: unit 310	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: SMITH, DUSTIN	MBU ID Emp #: 484672

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/20/2012 14:28							Dustin Smith, Andrew Crawford
Pre-Convoy Safety Meeting	03/20/2012 14:40							Discuss route
Depart from Service Center or Other Site	03/20/2012 14:50							Called dispatch and started JM
Arrive At Loc	03/20/2012 18:00							Ended JM
Assessment Of Location Safety Meeting	03/20/2012 18:10							Talked to company man
Pre-Rig Up Safety Meeting	03/21/2012 03:00							Spotted in trucks
Pump Tail Cement	03/21/2012 03:40		5	58			175.0	275 Sacks, 15.6 lb, 1.2 yeild, 5.34 Water Standard
Drop Plug	03/21/2012 03:50							Tony Travis
Rig-Up Completed	03/21/2012 03:50							Stabbed head and changed over iron
Pump Displacement	03/21/2012 03:50		4	190			800.0	145 bbls cement to surface
Safety Meeting	03/21/2012 03:55							Dicuss job details
Pressure Test	03/21/2012 04:10							1500 PSI
Pump Water	03/21/2012 04:10		7	10			235.0	Fresh Water
Pump Lead Cement	03/21/2012 04:20		8	298			300.0	720 Sacks, 12.4 lb, 2.33 yeild, 12.79 Water HLC
Bump Plug	03/21/2012 05:40						1500.0	
Check Floats	03/21/2012 05:43							1 bbl back
Pre-Rig Down Safety Meeting	03/21/2012 05:45							Discuss hazards and job duties

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Completed	03/21/2012 06:30							
Pre-Convoy Safety Meeting	03/21/2012 06:35							Discuss routes and JM
Depart Location for Service Center or Other Site	03/21/2012 06:45							Called dispatch and started JM

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 appropriate agency.

**HALLIBURTON**

*Cementing Job Summary*

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2915916	Quote #:	Sales Order #: 9387034
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Edwards, Tripp	
Well Name: Hopkins	Well #: 1-14H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 14 Township 35S Range 7W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: Unit 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: VAUGHAN, RYAN	MBU ID Emp #: 453194

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AIRINGTON, JOSEPH Tyler	8	497322	MCKEEVER, TERRY John	5	514733	TIPTON, DANNY W	5	331910
VAUGHAN, RYAN Nicholas	8	453194						

**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
3/27/12	8	1						

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
					26 - Mar - 2012	22:00	CST
Form Type			BHST	On Location	27 - Mar - 2012	03:00	CST
Job depth MD	5338. ft		Job Depth TVD	5385. ft	Job Started	27 - Mar - 2012	09:29
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	27 - Mar - 2012	10:25
Perforation Depth (MD)	From		To		Departed Loc	27 - Mar - 2012	12:05

**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
Intermediate Open Hole				8.75				2500.	5330.	2500.	4911.
Intermediate Casing	Unknown		7.	6.276	26.	8 RD	P-110	.	5330.	.	4911.
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	2500.		

**Tools and Accessories**

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

**Miscellaneous Materials**

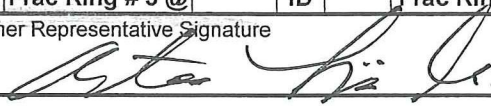
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

**Fluid Data**

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

# 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	Premium	CMT - PREMIUM CEMENT (100003687)	485.0	sacks	15.6	1.22	4.55		4.55
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)							
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	10 lbm	KOL-SEAL, BULK (100064233)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	4.552 Gal	FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	202	Shut In: Instant		Lost Returns		Cement Slurry	105	Pad	
Top Of Cement	1693	5 Min		Cement Returns		Actual Displacement	202	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	80 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*

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2915916	<b>Quote #:</b>	<b>Sales Order #:</b> 9387034
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Edwards, Tripp	
<b>Well Name:</b> Hopkins		<b>Well #:</b> 1-14H	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 14 Township 35S Range 7W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Unit Drilling *		<b>Rig/Platform Name/Num:</b> Unit 310	
<b>Job Purpose:</b> Cement Intermediate Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> CRAWFORD, ROBERT		<b>Srvc Supervisor:</b> VAUGHAN, RYAN	<b>MBU ID Emp #:</b> 453194

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/26/2012 22:00							
Depart Yard Safety Meeting	03/26/2012 23:30							
Depart from Service Center or Other Site	03/26/2012 23:35							
Arrive At Loc	03/27/2012 03:00							went over job numbers with company man gave him a eta on the bulk trucks.
Standby - Other - see comments	03/27/2012 03:05							rig running casing, bulk trucks on their way to location
Other	03/27/2012 06:00							bulk trucks arrive on location
Pre-Rig Up Safety Meeting	03/27/2012 07:45							all hes hands
Rig-Up Equipment	03/27/2012 07:50							
Pre-Job Safety Meeting	03/27/2012 09:00							all hes hands and rig crew with company man
Pressure Test	03/27/2012 09:29							5000 psi
Pump Cement	03/27/2012 09:33		6	105			200.0	mixed @15.6ppg
Drop Top Plug	03/27/2012 09:52							plug left head
Pump Displacement	03/27/2012 09:53		7	202	307		1300.0	fresh water
Other	03/27/2012 10:14		6	165			1400.0	returns started to thin out so drop rate to 6 BPM
Other	03/27/2012 10:22		3	180			1300.0	returns went down to almost nothing drop rate to 3 BPM keep returns for rest of the job but still not full returns

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	03/27/2012 10:25		3	202			1800.0	500 psi over
Check Floats	03/27/2012 10:27							floats held
Pre-Rig Down Safety Meeting	03/27/2012 10:35							all hes hands
Rig-Down Equipment	03/27/2012 10:40							
Pre-Convoy Safety Meeting	03/27/2012 12:00							all hes hands
Depart Location for Service Center or Other Site	03/27/2012 12:05							



The Road to Excellence Starts with Safety

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2915916	<b>Quote #:</b>	<b>Sales Order #:</b> 9426200
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Edwards, Tripp	
<b>Well Name:</b> Hopkins		<b>Well #:</b> 1-14H	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 14 Township 35S Range 7W			
<b>Contractor:</b> Unit Drilling *		<b>Rig/Platform Name/Num:</b> Unit 310	
<b>Job Purpose:</b> Cement Production Liner			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Liner	
<b>Sales Person:</b> CRAWFORD, ROBERT		<b>Srvc Supervisor:</b> UNDERWOOD, BILLY	
<b>MBU ID Emp #:</b> 159068			

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRITTAIN, LYLE Jay	8.5	460473	NEAL, MICHAEL Edward	5	483780	TIPTON, DANNY W	5	331910
UNDERWOOD, BILLY Dale	8.5	159068						

### 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
4-10-12	5	0	4-11-12	2.5	1.5			
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	10 - Apr - 2012	13:30	CST
Form Type	BHST		Job Started	10 - Apr - 2012	18:00	CST
Job depth MD	12617. ft		Job Completed	10 - Apr - 2012	23:55	CST
Water Depth	Wk Ht Above Floor		Departed Loc	11 - Apr - 2012	01:35	CST
Perforation Depth (MD)	From	To		11 - Apr - 2012	02:30	CST

### 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
Production Liner Open Hole				6.125				5338.	12617.	4911.	4873.
Intermediate Casing	Unknown		7.	6.276	26.	8 RD	P-110	.	5330.	.	4911.
Production Liner	Unknown		4.5	4.5	11.6		P-110	4935.	12617.	4935.	4873.
Drill Pipe	Unknown		4.	3.34	14.			.	4935.		

### 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 Caustic Water Spacer		10.00	bbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD ( w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	730.0	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							
Calculated Values		Pressures			Volumes				
Displacement	161	Shut In: Instant		Lost Returns		Cement Slurry	200	Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	156	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	376
Rates									
Circulating	5	Mixing	6	Displacement	4	Avg. Job	5		
Cement Left In Pipe	Amount	80 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*

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 2915916	<b>Quote #:</b>	<b>Sales Order #:</b> 9426200
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Edwards, Tripp	
<b>Well Name:</b> Hopkins		<b>Well #:</b> 1-14H	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 14 Township 35S Range 7W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Unit Drilling *		<b>Rig/Platform Name/Num:</b> Unit 310	
<b>Job Purpose:</b> Cement Production Liner			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Liner	
<b>Sales Person:</b> CRAWFORD, ROBERT		<b>Srvc Supervisor:</b> UNDERWOOD, BILLY	<b>MBU ID Emp #:</b> 159068

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/10/2012 13:30							
Safety Meeting - Service Center or other Site	04/10/2012 15:00							Bulk out of BF
Depart from Service Center or Other Site	04/10/2012 15:10							
Arrive at Location from Service Center	04/10/2012 18:00							assess location
Safety Meeting - Pre Rig-Up	04/10/2012 18:15							
Rig-Up Equipment	04/10/2012 18:30							
Rig-Up Completed	04/10/2012 19:00							standby running drill pipe
Safety Meeting - Pre Job	04/10/2012 23:30							job and safety procedures
Test Lines	04/10/2012 23:56					5000.0		
Other	04/11/2012 00:00							hang liner
Pump Spacer	04/11/2012 00:07		5	10		400.0		caustic water
Pump Water	04/11/2012 00:09		5	10		400.0		fresh water
Pump Cement	04/11/2012 00:15		6	200		450.0		13.6# Econocem
Clean Lines	04/11/2012 00:50							
Drop Plug	04/11/2012 00:55							
Pump Displacement	04/11/2012 01:00		5	161		400.0		fresh water
Pump Displacement	04/11/2012 01:07		2.8			300.0		slow rate for first plug

# HALLIBURTON

## *Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	04/11/2012 01:15		5			750.0		increase rate
Pump Displacement	04/11/2012 01:30		2.8			570.0		slow rate
Bump Plug	04/11/2012 01:32					1700. 0		
Check Floats	04/11/2012 01:34							holding 1 bbl back
End Job	04/11/2012 01:35							rigdown meeting
Rig-Down Equipment	04/11/2012 01:40							
Rig-Down Completed	04/11/2012 02:20							journey management
Depart Location for Service Center or Other Site	04/11/2012 02:30							

Sold To # : 305021

Ship To # :2915916

Quote # :

Sales Order # :

9426200

SUMMIT Version: 7.20.130

Wednesday, April 11, 2012 02:13:00

	Measured Depth (ft)	Sub-Sea Incl. (ft)	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	8424	199	4653	659
BHL	12589	92.74	356.78	4835.95	8086.38	-143.18	8087.29	0.64	336	8287	4563	735
Miss Entry	5018	51.25	0.45	4821.08	552.80	-5.49	552.82	6.41	7871	752	4651	660
Top Perf	5070	54.12	2.52	4852.51	594.19	-4.56	594.21	5.73	7829	793	4652	659
Bottom Perf	12470	92.03	356.76	4840.25	7967.64	-136.52	7968.50	0.56	455	8168	4569	729

	Measured Depth (ft)	Sub-Sea Incl. (ft)	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	8424	199	4653	659
	2711	0.34	317.83	2710.98	5.96	-5.40	6.01	0.01	8418	205	4647	665
	3157	0.59	329.49	3156.97	8.92	-7.45	8.98	0.06	8415	208	4645	667
	3635	0.59	302.99	3634.94	12.38	-10.77	12.47	0.06	8411	212	4642	670
	3922	0.90	273.25	3921.92	13.31	-14.26	13.43	0.17	8410	213	4638	674
	3985	1.34	278.38	3984.91	13.45	-15.48	13.58	0.72	8410	213	4637	675
	4017	3.47	354.38	4016.88	14.47	-15.95	14.60	10.64	8409	214	4637	675
	4049	5.69	7.20	4048.78	17.01	-15.84	17.14	7.60	8406	216	4637	675
	4081	8.96	12.03	4080.52	21.02	-15.12	21.14	10.39	8402	220	4638	674
	4113	11.53	9.63	4112.00	26.61	-14.07	26.72	8.14	8397	226	4639	673
	4145	13.66	9.20	4143.23	33.49	-12.93	33.60	6.66	8390	233	4640	672
	4177	15.02	8.69	4174.23	41.32	-11.70	41.42	4.27	8382	241	4641	671
	4209	16.22	7.49	4205.05	49.85	-10.49	49.94	3.88	8374	249	4642	669
	4241	18.60	9.81	4235.58	59.31	-9.04	59.39	7.75	8364	259	4644	668
	4273	21.86	8.50	4265.61	70.24	-7.29	70.29	10.28	8353	270	4646	666
	4305	24.72	6.65	4295.00	82.78	-5.63	82.82	9.22	8341	282	4648	664
	4337	26.26	7.23	4323.88	96.45	-3.97	96.48	4.88	8327	296	4649	663
	4368	27.76	6.04	4351.50	110.43	-2.34	110.45	5.14	8313	310	4651	661
	4400	30.83	5.04	4379.40	126.01	-0.84	126.02	9.71	8298	325	4653	659
	4432	33.46	3.55	4406.50	142.99	0.43	142.98	8.58	8281	342	4654	658
	4463	34.71	2.56	4432.17	160.34	1.35	160.32	4.41	8263	360	4655	657
	4496	34.10	2.63	4459.40	178.96	2.20	178.94	1.85	8245	378	4656	656
	4528	35.43	1.42	4485.68	197.20	2.84	197.17	4.68	8226	396	4657	655
	4560	38.12	0.81	4511.31	216.35	3.21	216.32	8.48	8207	416	4657	654
	4592	41.56	0.17	4535.88	236.85	3.38	236.81	10.83	8187	436	4658	654
	4624	44.21	359.90	4559.33	258.62	3.39	258.59	8.30	8165	458	4658	654
	4655	46.34	357.94	4581.14	280.64	2.97	280.61	8.21	8143	480	4657	654
	4687	47.89	357.18	4602.92	304.07	1.97	304.04	5.15	8119	503	4657	655
	4719	47.98	356.96	4624.36	327.79	0.75	327.77	0.58	8096	527	4656	656
	4750	49.80	357.79	4644.74	351.12	-0.31	351.11	6.21	8072	550	4655	657
Top of Tangent @ 4750'	4782	49.83	358.34	4665.39	375.55	-1.14	375.55	1.32	8048	575	4654	657
	4827	48.75	357.94	4694.74	409.65	-2.24	409.65	2.49	8014	609	4653	658
	4878	47.99	358.21	4728.62	447.74	-3.53	447.76	1.54	7976	647	4652	659
	4910	47.86	358.20	4750.06	471.49	-4.27	471.50	0.41	7952	671	4651	660
Bottom of Tangent @ 4950'	4941	47.47	358.72	4770.94	494.39	-4.89	494.42	1.77	7929	694	4651	660
	4973	49.06	358.86	4792.24	518.27	-5.39	518.29	4.98	7905	718	4651	660
	5005	50.11	0.22	4812.98	542.63	-5.58	542.66	4.61	7881	742	4651	660
	5036	52.84	0.76	4832.29	566.88	-5.37	566.90	8.91	7857	766	4651	660
	5068	53.92	2.47	4851.38	592.55	-4.65	592.57	5.46	7831	792	4652	659
	5101	57.14	3.35	4870.06	619.72	-3.26	619.72	10.00	7804	819	4653	657
	5133	61.07	3.33	4886.48	647.12	-1.66	647.11	12.28	7776	846	4655	656
	5165	65.23	3.41	4900.93	675.62	0.02	675.59	13.00	7748	875	4657	654
	5197	69.66	3.86	4913.20	705.10	1.89	705.06	13.90	7718	904	4659	652
	5229	74.32	3.73	4923.10	735.46	3.90	735.40	14.57	7688	935	4661	649
	5260	77.92	4.58	4930.53	765.47	6.09	765.39	11.91	7658	965	4664	647
	5293	82.06	4.89	4936.27	797.85	8.77	797.75	12.58	7626	997	4667	644
	5325	86.39	3.63	4939.48	829.59	11.13	829.47	14.09	7594	1029	4669	641
	5439	91.64	2.96	4941.44	943.35	17.68	943.17	4.64	7480	1142	4677	634
	5500	90.49	3.12	4940.31	1004.25	20.91	1004.04	1.90	7419	1203	4680	630
	5564	92.17	3.35	4938.82	1068.13	24.53	1067.89	2.65	7356	1267	4684	626
	5628	92.05	2.92	4936.47	1131.99	28.02	1131.72	0.70	7292	1331	4688	622
	5724	92.17	1.57	4932.93	1227.85	31.78	1227.54	1.41	7196	1427	4692	617
	5820	92.22	2.90	4929.26	1323.70	35.52	1323.36	1.39	7100	1523	4697	613
	5915	92.65	1.54	4925.22	1418.54	39.20	1418.17	1.50	7005	1617	4701	608
	6010	91.33	1.70	4921.92	1513.44	41.88	1513.05	1.40	6910	1712	4704	605
	6105	91.96	0.85	4919.19	1608.38	44.00	1607.96	1.11	6815	1807	4707	602
	6201	90.03	359.00	4917.53	1704.36	43.87	1703.93	2.78	6719	1903	4708	601
	6296	91.23	357.29	4916.48	1799.30	40.80	1798.90	2.20	6624	1998	4705	604
	6391	89.27	356.94	4916.07	1894.17	36.01	1893.81	2.10	6530	2093	4701	608
	6487	90.86	358.48	4915.96	1990.09	32.18	1989.75	2.31	6434	2189	4698	611
	6582	88.77	358.06	4916.27	2085.04	29.31	2084.72	2.24	6339	2284	4696	613
	6677	90.00	358.27	4917.29	2179.98	26.27	2179.69	1.31	6244	2379	4693	615
	6773	90.47	357.11	4916.89	2275.90	22.40	2275.64	1.30	6148	2475	4690	618
	6837	92.51	357.98	4915.23	2339.82	19.66	2339.57	3.47	6084	2539	4688	620
	6901	91.48	357.15	4913.00	2403.72	16.94	2403.50	2.07	6020	2603	4685	622
	6964	91.35	356.51	4911.44	2466.60	13.46	2466.41	1.04	5957	2666	4682	625
	7059	91.33	356.96	4909.22	2561.42	8.05	2561.27	0.47	5862	2761	4678	630

7122	91.32	356.41	4907.77	2624.30	4.41	2624.17	0.87	5799	2823	4674	633
7186	91.41	356.80	4906.24	2688.17	0.62	2688.07	0.63	5735	2887	4671	636
7249	91.54	357.52	4904.62	2751.07	-2.50	2751.00	1.16	5672	2950	4668	639
7344	90.53	356.19	4902.90	2845.91	-7.71	2845.87	1.76	5578	3045	4664	643
7440	88.86	357.70	4903.41	2941.76	-12.83	2941.77	2.35	5482	3141	4659	648
7535	90.77	357.76	4903.72	3036.68	-16.59	3036.72	2.01	5387	3236	4656	651
7629	91.87	358.61	4901.56	3130.61	-19.57	3130.67	1.48	5293	3330	4654	653
7726	92.12	359.51	4898.18	3227.54	-21.16	3227.60	0.96	5196	3427	4653	654
7821	90.58	358.76	4895.94	3322.50	-22.59	3322.57	1.80	5101	3522	4652	654
7917	91.67	0.21	4894.06	3418.47	-23.46	3418.55	1.89	5005	3618	4652	654
8013	91.54	359.54	4891.37	3514.43	-23.66	3514.51	0.71	4909	3714	4652	654
8109	93.79	359.22	4886.90	3610.32	-24.70	3610.40	2.37	4813	3810	4652	654
8205	93.78	359.52	4880.57	3706.10	-25.76	3706.19	0.31	4717	3906	4651	654
8301	93.31	359.46	4874.63	3801.91	-26.61	3802.00	0.49	4621	4001	4651	654
8396	95.38	359.19	4867.43	3896.63	-27.72	3896.72	2.20	4527	4096	4651	655
8459	94.79	0.25	4861.85	3959.38	-28.03	3959.47	1.92	4464	4159	4651	654
8491	94.40	0.57	4859.29	3991.27	-27.80	3991.37	1.57	4432	4191	4651	654
8522	91.91	358.60	4857.58	4022.22	-28.03	4022.32	10.24	4401	4222	4651	654
8586	90.71	359.29	4856.12	4086.19	-29.20	4086.30	2.16	4337	4286	4650	654
8616	90.68	359.16	4855.75	4116.19	-29.61	4116.29	0.44	4307	4316	4650	655
8647	88.83	358.63	4855.88	4147.18	-30.21	4147.29	6.21	4276	4347	4650	655
8678	89.04	358.52	4856.46	4178.17	-30.98	4178.28	0.76	4245	4378	4649	655
8708	88.78	358.14	4857.03	4208.15	-31.85	4208.27	1.53	4215	4408	4649	656
8754	87.76	357.85	4858.42	4254.10	-33.46	4254.23	2.31	4169	4454	4647	657
8786	88.28	356.95	4859.53	4286.05	-34.91	4286.19	3.25	4137	4486	4646	659
8817	88.67	357.98	4860.35	4317.00	-36.28	4317.16	3.55	4106	4517	4645	660
8849	88.67	357.58	4861.09	4348.97	-37.52	4349.13	1.25	4074	4549	4644	661
8881	89.01	358.25	4861.74	4380.94	-38.69	4381.11	2.35	4042	4581	4643	661
8912	88.74	358.13	4862.35	4411.92	-39.67	4412.10	0.95	4011	4612	4642	662
8944	89.41	358.51	4862.87	4443.90	-40.60	4444.09	2.41	3979	4644	4641	663
8975	89.94	358.50	4863.04	4474.89	-41.41	4475.08	1.71	3948	4675	4641	663
9007	90.21	358.89	4863.00	4506.88	-42.14	4507.08	1.48	3916	4707	4640	664
9039	89.01	357.73	4863.22	4538.87	-43.08	4539.07	5.22	3884	4738	4639	665
9071	89.57	357.58	4863.62	4570.84	-44.39	4571.05	1.81	3852	4770	4638	666
9103	89.78	357.92	4863.80	4602.81	-45.65	4603.03	1.25	3820	4802	4637	667
9135	89.63	357.85	4863.96	4634.79	-46.83	4635.02	0.52	3788	4834	4636	668
9167	89.66	357.85	4864.16	4666.77	-48.03	4667.01	0.09	3757	4866	4635	668
9199	90.22	357.60	4864.19	4698.74	-49.30	4698.99	1.92	3725	4898	4634	669
9231	90.37	358.47	4864.03	4730.72	-50.40	4730.98	2.76	3693	4930	4633	670
9263	89.47	357.41	4864.07	4762.70	-51.55	4762.97	4.35	3661	4962	4632	671
9295	89.53	358.68	4864.35	4794.68	-52.64	4794.95	3.97	3629	4994	4632	672
9327	89.72	358.40	4864.56	4826.67	-53.46	4826.95	1.06	3597	5026	4631	673
9359	89.84	358.67	4864.68	4858.66	-54.27	4858.94	0.92	3565	5058	4630	673
9391	89.20	359.59	4864.95	4890.65	-54.76	4890.94	3.50	3533	5090	4630	673
9423	89.16	359.72	4865.41	4922.65	-54.95	4922.94	0.43	3501	5122	4630	673
9487	90.15	359.89	4865.80	4986.65	-55.17	4986.93	1.57	3437	5186	4630	673
9595	89.47	359.19	4866.15	5094.64	-56.04	5094.93	0.90	3329	5294	4630	673
9687	89.97	359.94	4866.60	5186.64	-56.74	5186.93	0.98	3237	5386	4630	673
9780	89.78	359.32	4866.81	5279.64	-57.34	5279.93	0.70	3144	5479	4630	673
9872	89.75	359.57	4867.18	5371.63	-58.23	5371.93	0.27	3052	5571	4630	673
9964	90.49	0.26	4866.99	5463.63	-58.36	5463.92	1.10	2960	5663	4630	672
10060	90.46	0.20	4866.20	5559.62	-57.98	5559.91	0.07	2864	5759	4631	671
10155	90.86	0.07	4865.10	5654.62	-57.76	5654.90	0.44	2769	5854	4632	670
10251	91.36	359.81	4863.24	5750.60	-57.86	5750.88	0.59	2673	5950	4633	669
10346	91.23	359.81	4861.09	5845.57	-58.17	5845.86	0.14	2578	6045	4633	669
10442	91.14	359.37	4859.11	5941.55	-58.86	5941.84	0.47	2482	6141	4633	669
10538	90.74	359.45	4857.53	6037.53	-59.85	6037.82	0.42	2386	6237	4633	669
10633	91.54	359.25	4855.64	6132.51	-60.92	6132.80	0.87	2291	6332	4632	669
10729	90.40	359.12	4854.02	6228.48	-62.29	6228.78	1.20	2195	6428	4631	670
10824	89.48	358.18	4854.12	6323.45	-64.53	6323.77	1.38	2100	6523	4630	671
10920	90.03	357.75	4854.53	6419.39	-67.94	6419.73	0.73	2004	6619	4627	674
11015	89.94	357.65	4854.55	6514.32	-71.75	6514.69	0.14	1909	6714	4624	677
11110	90.62	357.61	4854.09	6609.23	-75.68	6609.63	0.72	1814	6809	4621	680
11206	91.35	356.38	4852.44	6705.08	-80.71	6705.52	1.49	1718	6905	4616	684
11303	91.76	356.79	4849.81	6801.88	-86.48	6802.36	0.60	1621	7002	4611	689
11398	90.06	357.55	4848.30	6896.74	-91.17	6897.26	1.96	1526	7097	4607	693
11494	89.82	358.16	4848.40	6992.68	-94.77	6993.22	0.68	1430	7193	4604	696
11588	90.62	357.50	4848.04	7086.61	-98.33	7087.18	1.10	1336	7287	4601	699
11683	90.95	357.61	4846.74	7181.51	-102.38	7182.11	0.37	1241	7382	4598	702
11779	90.30	357.87	4845.89	7277.43	-106.16	7278.06	0.73	1146	7478	4594	705
11875	89.40	358.29	4845.94	7373.37	-109.38	7374.03	1.03	1050	7574	4592	707
11971	89.90	357.97	4846.53	7469.32	-112.51	7470.00	0.62	954	7670	4589	710
12067	89.50	357.61	4847.03	7565.25	-116.21	7565.95	0.56	858	7766	4586	712
12164	90.60	357.66	4846.94	7662.16	-120.22	7662.90	1.14	761	7863	4583	716
12258	90.90	356.79	4845.71	7756.04	-124.77	7756.81	0.98	667	7956	4579	719
12354	91.40	356.88	4843.79	7851.88	-130.07	7852.69	0.53	571	8052	4574	724
12449	91.90	356.75	4841.05	7946.69	-135.34	7947.54	0.54	476	8147	4570	728
12546	92.50	356.81	4837.33	8043.47	-140.79	8044.36	0.62	379	8244	4565	733
12642	93.03	356.74	4834.26	8138.93	-146.12	8139.86	0.66	284	8340	4560	738

Section 2  
35S 7W

Section 1  
35S 7W

BHL: 12589'  
-98.039791 37.021284  
289' FNL  
639' FEL  
Bottom Perf: 12468'  
-98.03975 37.020756

Section 11  
35S 7W

Section 12  
35S 7W

Section 14  
35S 7W

Section 13  
35S 7W

Top Perf: 5070'  
-98.039436 37.000558  
Miss Entry: 5018'  
-98.039438 37.000421

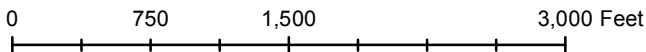
HOPKINS 1-14H



Actual Bottom-Hole Location of Hopkins 1-14H  
Harper County, Kansas

T&R: 35S 7W  
Section: 11, 289' FNL & 639' FEL  
Long: -99.039791 Lat: 37.021284

1 in = 1,042 ft



● Actual BH Location

\* SandRidge Wells

--- Perf

□ PLSS Sections

Draftsman:

Aaron Birk

Draft Date: 6/20/2012

Drawing Name/Number:

Addendum\_Hopkins 1-14H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

Logo

Back to Well Completion

# Hopkins 1-14H (1076294)

**Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

**Attachments**

Two Year Confidentiality OPERATOR	View PDF Delete
Cement Report OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Hole OPERATOR	View PDF Delete

Add Attachment

**Remarks**

Remarks to KCC	
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Add Remark

**Remarks**

Tiffany Golay 06/20/012 02:04 pm	Total Depth: 12,589'
Tiffany Golay 06/19/012 09:22 am	Conductor was set with 9 yards of cement. Weight= 94 lbs/ft