



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091267
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: _____



1091267

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Marks 1-24H
Doc ID	1091267

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9354-9633	5267 bbls water, 36 bbls acid, 100M lbs sd, 5267 TLTR	
6	9015-9271	5440 bbls water, 36 bbls acid, 100M lbs sd, 10837 TLTR	
6	8635-8891	5448 bbls water, 36 bbls acid, 100M lbs sd, 16385 TLTR	
6	8223-8460	5286 bbls water, 36 bbls acid, 101M lbs sd, 21784 TLTR	
6	7876-8132	5295 bbls water, 36 bbls acid, 100M lbs sd, 27163 TLTR	
6	7530-7773	5375 bbls water, 36 bbls acid, 100M lbs sd, 32651 TLTR	
6	7156-7427	5305 bbls water, 36 bbls acid, 100M lbs sd, 38049 TLTR	
6	6738-6994	5237 bbls water, 36 bbls acid, 100M lbs sd, 43324 TLTR	
6	6394-6623	5276 bbls water, 36 bbls acid, 100M lbs sd, 48634 TLTR	
6	6047-6292	5303 bbls water, 36 bbls acid, 102M lbs sd, 53970 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Marks 1-24H
Doc ID	1091267

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5656-5931	6011 bbls water, 36 bbls acid, 103M lbs sd, 60009 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Marks 1-24H
Doc ID	1091267

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	4500 PSI Concrete	12	none
Surface	12.25	9.63	36	1135	Extendacem and Swiftcem Systems	430	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5680	Econocem and Halcem Systems	300	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9803	Econocem System	450	.4% Halad(R)-9, 2lbm 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

Sam Brownback, Governor

August 21, 2012

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

Re: ACO1
API 15-057-20820-01-00
Marks 1-24H
NE/4 Sec.24-29S-25W
Ford 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



*****Conductor, Rat and Mouse Hole Drilling Services*****

Ticket

Company:

DT-2630

Date: 7/6/2012

Sandridge

Drill Rig: Lariate 41	Location: Ford County	Lease Name: Marks 1-24H
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- 120' of 30" Drilled Conductor Hole
- 120' of 20" Conductor Pipe
- 6'x6' Cellar w/Protective ring
- Drill & Install 6'x6' Tinhorn
- 75' of 20" Drilled Mouse hole
- 75' of 16" Mouse hole Pipe
- Mobilization of Equipment & Road Permitting Fee
- Welding Services for Pipe & Lids
- Provided Equipment & Labor for Dirt Removal
- Provided Personal to Facilitate Diggtess(One Call)
- Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)
- 12 yards of 4500PSI concrete Poured down the back side of Conductor Pipe

Comments:) Thank You For Your Business	AFE Number: <u>OC 12120</u> Well Name: <u>Marks 1-24H</u> Code: <u>850-010</u> Amount: <u>\$28,680.00</u> by: <u>Quincy LOVER</u> Cell Phone: <u>[Handwritten]</u> Notes:	Sub-Total \$28,680.00
	[Blank space for additional notes or signatures]	[Blank space]

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2940969	Quote #:	Sales Order #: 9687441
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Man, Company	
Well Name: Marks	Well #: 1-24H	API/UWI #:	
Field:	City (SAP): BUCKLIN	County/Parish: Ford	State: Kansas
Contractor: LARIAT	Rig/Platform Name/Num: 41		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH	Srvc Supervisor: KLAUSE, JOHN	MBU ID Emp #: 456246	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	19	267804	KLAUSE, JOHN David	19	456246	WIFA, HENRY Neniebari	19	491916

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10244148	85 mile	10741245	85 mile	10866807	85 mile	10924982	85 mile
10990703	85 mile	10995019	85 mile	11706683	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-24	19	6						

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
Form Type			BHST	On Location	7-24	0500	
Job depth MD	1165. ft		Job Depth TVD	Job Started	7-24	2000	
Water Depth			Wk Ht Above Floor	Job Completed	7-24	2100	
Perforation Depth (MD)	From		To	Departed Loc	7-24	2300	

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					865.		
12.25" Open Hole- Lower				12.25				865.	1165.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1165.		

Sales/Rental/3rd 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			
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

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /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)	260.0	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)	170.0	sacks	15.6	1.19	5.3		5.3
	1 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.302 Gal	FRESH WATER							
4	Displacement		85.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	84	Shut In: Instant	1202	Lost Returns	NA	Cement Slurry	98/36	Pad	
Top Of Cement	SURFACE	5 Min	X	Cement Returns	15	Actual Displacement	83	Treatment	
Frac Gradient	NA	15 Min		Spacers	10	Load and Breakdown	NA	Total Job	
Rates									
Circulating	6	Mixing	5	Displacement	7	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		
The Information Stated Herein Is Correct				Customer Representative Signature					

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2940969	Quote #:	Sales Order #: 9722672
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ???? , Quincy	
Well Name: Marks	Well #: 1-24H	API/UWI #:	
Field:	City (SAP): BUCKLIN	County/Parish: Ford	State: Kansas
Legal Description: Section 24 Township 29S Range 25W			
Contractor: LARIAT		Rig/Platform Name/Num: 41	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc 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 #
BERUMEN, EDUARDO	11	267804	RODRIGUEZ, EDGAR Alejandro	11	442125	TORRES, CLEMENTE	11	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
8/9/2012	11	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD) From	To	Date	Time	Time Zone
			BHST	5695. ft	5696. ft	5. ft			08 - Aug - 2012	23:30	CST
									09 - Aug - 2012	02:30	CST
									09 - Aug - 2012	13:24	CST
									09 - Aug - 2012	14:31	CST
									09 - Aug - 2012	16:00	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
8.75" Open Hole				8.75				1100.	5786.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	N-80	.	5786.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1100.		

Sales/Rental/3rd 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	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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.52	7.12		7.12
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	2 %	BENTONITE, BULK (100003682)							
	7.117 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)		214.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	214	Shut In: Instant		Lost Returns		Cement Slurry	75	Pad	
Top Of Cement	3024	5 Min		Cement Returns		Actual Displacement	214	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	319
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	91 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 #: 2940969	Quote #:	Sales Order #: 9751232
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ?????, Quincy	
Well Name: Marks		Well #: 1-24H	API/UWI #:
Field:	City (SAP): BUCKLIN	County/Parish: Ford	State: Kansas
Legal Description: Section 24 Township 29S Range 25W			
Contractor: LARIAT		Rig/Platform Name/Num: 41	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN	8.5	442123	LUNA, JOE	8.5	.	MARTINEZ, EDGAR	8.5	.
MENDOZA, VICTOR	8.5	.	NASH, JONATHAN	8.5	.			

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
8/19/2012	8.5	1.5						

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	19 - Aug - 2012	07:00	CST
Form Type			BHST	Job Started	19 - Aug - 2012	14:32	CST
Job depth MD	9800. ft		Job Depth TVD	Job Completed	19 - Aug - 2012	15:50	CST
Water Depth			Wk Ht Above Floor	Departed Loc	19 - Aug - 2012	17:30	CST
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
6.125" Open Hole				6.125				5786.	9744.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5388.	9744.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	N-80	.	5786.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5388.		

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Gel Spacer (Rig will provide)		20.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	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		116.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	115 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	123 BBL	Pad	
Top Of Cement	880 FT.	5 Min		Cement Returns	0	Actual Displacement	115 BBL	Treatment	
Frac Gradient		15 Min		Spacers	20 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing	5	Displacement	5	Avg. Job	4		
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		
The Information Stated Herein Is Correct				Customer Representative Signature					



Survey Calculation Program

M.W.D. OPERATOR: S.Miller / C.Swenson

DIRECTIONAL DRILLERS: J.Ferguson / W.Swenson

Client : Sandridge Energy
 Well Name: Marks 1-24H
 Minimum Curvature Calculation

Magnetic Declination:	6.74
Job #:	DR-1207114
Vertical Section Azimuth	179.9

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
Tie	0	0.00	0.00	0.00	0.00	0.00	0.00	
1	1174	0.9	10.0	1173.95	9.08	1.60	-9.08	0.08
2	1521	0.7	22.8	1520.92	13.72	2.90	-13.71	0.08
3	1994	0.7	48.5	1993.88	18.30	6.18	-18.29	0.07
4	2468	1.0	0.3	2467.84	24.35	8.37	-24.34	0.16
5	2943	0.9	343.9	2942.77	32.08	7.36	-32.07	0.06
6	3419	0.6	3.2	3418.73	38.16	6.46	-38.15	0.08
7	3892	0.9	356.5	3891.69	44.34	6.37	-44.33	0.07
8	4073	1.5	172.0	4072.67	43.41	6.61	-43.40	1.33
9	4105	3.0	173.8	4104.65	42.17	6.76	-42.15	4.69
10	4421	2.9	166.6	4420.23	26.17	9.51	-26.15	0.12
11	4452	2.8	163.7	4451.19	24.68	9.90	-24.66	0.57
12	4484	4.0	163.2	4483.14	22.86	10.44	-22.84	3.75
13	4515	5.0	159.7	4514.04	20.56	11.23	-20.54	3.34
14	4547	6.3	161.0	4545.88	17.59	12.28	-17.57	4.08
15	4579	8.3	165.1	4577.62	13.70	13.45	-13.67	6.45
16	4611	10.4	171.7	4609.20	8.61	14.46	-8.58	7.36
17	4642	11.0	175.6	4639.66	2.89	15.09	-2.86	3.03
18	4674	11.8	177.3	4671.03	-3.42	15.48	3.45	2.71
19	4705	14.2	175.9	4701.23	-10.38	15.90	10.41	7.81
20	4736	15.7	178.6	4731.18	-18.37	16.27	18.40	5.33
21	4768	17.6	183.7	4761.84	-27.53	16.07	27.55	7.49
22	4799	19.8	187.2	4791.20	-37.41	15.11	37.44	7.96
23	4831	20.7	191.6	4821.23	-48.33	13.29	48.35	5.53
24	4863	22.1	191.4	4851.02	-59.77	10.96	59.79	4.38
25	4893	24.5	190.0	4878.57	-71.43	8.77	71.45	8.21
26	4924	26.5	189.9	4906.55	-84.58	6.46	84.59	6.45
27	4956	28.2	190.1	4934.97	-99.05	3.91	99.06	5.32
28	4988	29.8	188.5	4962.96	-114.36	1.40	114.37	5.56
29	5020	31.7	186.5	4990.46	-130.58	-0.72	130.58	6.74
30	5051	33.9	184.8	5016.52	-147.29	-2.37	147.29	7.69
31	5083	35.7	183.4	5042.79	-165.51	-3.67	165.50	6.15
32	5115	37.9	182.3	5068.41	-184.65	-4.62	184.64	7.18
33	5146	40.9	181.5	5092.37	-204.31	-5.26	204.30	9.81
34	5178	44.6	180.9	5115.86	-226.03	-5.72	226.02	11.63



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TECHNOLOGY, INC.

Survey Calculation Program

M.W.D. OPERATOR: S.Miller / C.Swenson

DIRECTIONAL DRILLERS: J.Ferguson / W.Swenson

Client : **Sandridge Energy**
Well Name: **Marks 1-24H**
Minimum Curvature Calculation

Magnetic Declination:	6.74
Job #:	DR-1207114
Vertical Section Azimuth	179.9

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
35	5210	47.1	181.3	5138.15	-248.98	-6.16	248.97	7.86
36	5241	49.0	181.7	5158.87	-272.03	-6.76	272.02	6.20
37	5273	49.2	181.7	5179.82	-296.21	-7.48	296.19	0.63
38	5304	49.5	181.6	5200.02	-319.72	-8.16	319.70	1.00
39	5336	50.0	182.2	5220.69	-344.12	-8.97	344.11	2.12
40	5368	49.7	181.9	5241.33	-368.57	-9.84	368.55	1.18
41	5400	51.3	181.3	5261.68	-393.25	-10.53	393.23	5.21
42	5432	55.7	180.5	5280.71	-418.96	-10.93	418.94	13.90
43	5463	59.9	179.8	5297.22	-445.19	-10.99	445.17	13.68
44	5495	64.3	180.3	5312.19	-473.46	-11.02	473.44	13.82
45	5526	68.7	181.2	5324.55	-501.88	-11.40	501.86	14.44
46	5558	73.3	181.9	5334.97	-532.12	-12.22	532.10	14.52
47	5590	77.5	181.7	5343.03	-563.06	-13.19	563.04	13.14
48	5621	81.2	180.5	5348.76	-593.52	-13.77	593.49	12.53
49	5644	83.9	179.9	5351.74	-616.32	-13.85	616.30	12.02
50	5691	86.4	180.2	5355.72	-663.15	-13.89	663.12	5.36
51	5787	88.9	179.5	5359.65	-759.06	-13.64	759.04	2.70
52	5882	91.4	179.6	5359.40	-854.05	-12.90	854.03	2.63
53	5977	92.5	179.4	5356.17	-948.99	-12.07	948.97	1.18
54	6073	92.1	178.7	5352.32	-1044.90	-10.48	1044.88	0.84
55	6168	91.9	179.2	5349.00	-1139.82	-8.74	1139.81	0.57
56	6263	90.8	179.2	5346.77	-1234.79	-7.41	1234.77	1.16
57	6358	91.0	179.2	5345.27	-1329.77	-6.08	1329.75	0.21
58	6454	89.0	179.9	5345.27	-1425.76	-5.33	1425.75	2.21
59	6548	90.0	179.6	5346.09	-1519.75	-4.92	1519.74	1.11
60	6643	87.8	179.2	5347.92	-1614.72	-3.93	1614.71	2.35
61	6738	86.5	179.5	5352.64	-1709.60	-2.85	1709.59	1.40
62	6833	84.8	178.9	5359.85	-1804.31	-1.53	1804.30	1.90
63	6927	87.1	179.9	5366.48	-1898.06	-0.55	1898.06	2.67
64	7022	90.4	179.7	5368.56	-1993.03	-0.22	1993.02	3.48
65	7118	92.0	179.3	5366.55	-2089.00	0.62	2089.00	1.72
66	7214	92.5	178.1	5362.78	-2184.90	2.80	2184.90	1.35
67	7309	87.1	179.0	5363.11	-2279.83	5.20	2279.84	5.76
68	7403	90.5	179.9	5365.08	-2373.79	6.10	2373.80	3.74
69	7499	91.4	179.5	5363.49	-2469.77	6.61	2469.78	1.03



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Client : **Sandridge Energy**

Well Name: **Marks 1-24H**

Minimum Curvature Calculation

Magnetic Declination: **6.74**

Job #: **DR-1207114**

Vertical Section Azimuth **179.9**

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
70	7594	89.3	181.1	5362.91	-2564.76	6.11	2564.77	2.78
71	7689	88.6	180.9	5364.65	-2659.73	4.45	2659.74	0.77
72	7784	88.7	180.6	5366.88	-2754.70	3.21	2754.70	0.33
73	7879	90.3	180.3	5367.71	-2849.69	2.46	2849.69	1.71
74	7911	88.4	179.8	5368.08	-2881.68	2.43	2881.68	6.14
75	7942	89.6	179.6	5368.62	-2912.68	2.60	2912.68	3.92
76	7974	90.1	179.5	5368.70	-2944.68	2.85	2944.68	1.59
77	8005	89.9	178.7	5368.70	-2975.67	3.33	2975.67	2.66
78	8037	89.0	178.1	5369.01	-3007.66	4.23	3007.66	3.38
79	8068	90.4	178.2	5369.17	-3038.64	5.23	3038.65	4.53
80	8100	91.7	178.3	5368.58	-3070.62	6.20	3070.63	4.07
81	8132	92.5	179.1	5367.41	-3102.59	6.93	3102.60	3.53
82	8163	91.4	178.2	5366.36	-3133.56	7.66	3133.57	4.58
83	8195	90.2	178.7	5365.91	-3165.55	8.53	3165.56	4.06
84	8227	90.9	178.4	5365.60	-3197.54	9.34	3197.55	2.38
85	8258	91.4	178.7	5364.98	-3228.52	10.12	3228.53	1.88
86	8290	90.4	178.4	5364.48	-3260.50	10.93	3260.52	3.26
87	8322	86.8	178.0	5365.26	-3292.47	11.93	3292.49	11.32
88	8354	87.3	178.6	5366.91	-3324.42	12.88	3324.43	2.44
89	8386	89.8	178.8	5367.72	-3356.40	13.61	3356.41	7.84
90	8417	91.1	178.8	5367.47	-3387.39	14.26	3387.41	4.19
91	8449	92.4	178.3	5366.50	-3419.36	15.07	3419.38	4.35
92	8480	94.1	178.2	5364.74	-3450.30	16.01	3450.32	5.49
93	8513	94.6	178.1	5362.24	-3483.18	17.07	3483.21	1.54
94	8545	93.9	178.3	5359.86	-3515.08	18.08	3515.11	2.27
95	8576	93.7	178.9	5357.81	-3546.00	18.83	3546.03	2.04
96	8608	93.9	178.4	5355.69	-3577.92	19.58	3577.95	1.68
97	8640	92.9	178.9	5353.79	-3609.86	20.34	3609.89	3.49
98	8672	91.5	179.3	5352.56	-3641.83	20.84	3641.86	4.55
99	8703	90.4	179.9	5352.05	-3672.82	21.05	3672.85	4.04
100	8734	90.4	179.8	5351.83	-3703.82	21.14	3703.85	0.32
101	8797	91.2	181.1	5350.95	-3766.81	20.64	3766.84	2.42
102	8829	90.4	181.4	5350.51	-3798.80	19.94	3798.83	2.67
103	8860	91.0	182.8	5350.13	-3829.78	18.81	3829.80	4.91
104	8892	91.0	183.0	5349.57	-3861.73	17.19	3861.76	0.62



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Well Name: **Marks 1-24H**

Minimum Curvature Calculation

Magnetic Declination: 6.74

Job #: DR-1207114

Vertical Section Azimuth 179.9

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
105	8924	91.0	182.6	5349.01	-3893.69	15.63	3893.71	1.25
106	9019	89.7	182.5	5348.43	-3988.59	11.40	3988.60	1.37
107	9114	92.5	180.9	5346.61	-4083.52	8.58	4083.53	3.39
108	9209	91.6	180.1	5343.21	-4178.45	7.75	4178.46	1.27
109	9304	92.1	181.2	5340.14	-4273.40	6.68	4273.40	1.27
110	9333	90.2	181.1	5339.56	-4302.38	6.09	4302.39	6.56
111	9429	89.3	180.1	5339.98	-4398.37	5.09	4398.38	1.40
112	9524	89.0	179.6	5341.39	-4493.36	5.34	4493.37	0.61
PTB	9803	89.0	179.6	5346.26	-4772.31	7.28	4772.32	0.00

Section 13
29S 25W

Section 18
29S 24W

MARKS 1-24H



Miss Entry: 5550'
-99.999241 37.514742

Top Perf: 5656'
-99.999242 37.514511

Section 24
29S 25W

Section 19
29S 24W

Bottom Perf: 9354'
-99.998969 37.504389

BHL: 9803'
-99.998941 37.503091

367' FSL

433' FEL

Section 25
29S 25W

Section 30
29S 24W



Actual Bottom-Hole Location of Marks 1-24H
Ford County, Kansas

T&R: 29S 25W

Section: 24, 433' FEL & 367' FSL

Long/Lat: -99.998941 37.503091

1 in = 667 ft

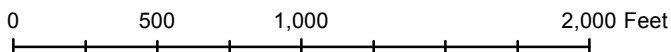


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 10/26/2012

Drawing Name/Number:

Addendum_Marks_1-24H .mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Back to Well Completion

Marks 1-24H (1091267)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Remarks

Remarks to KCC	<input type="button" value="Add Remark"/>
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Remarks

Tiffany Golay 10/26/012 07:45 am	Conductor weight = 94 lbs/ ft; Pro Oilfield Services, LLC set conductor with 12 yards of concrete
Tiffany Golay	Additional Fluid Mgmt Information: 540 bbls hauled to Gray Mud Disposal, SW/4 15-24N-7W, Garfield, OK 323003; 420 bbls hauled to Weinett Disposal LLC, NW/4 of Section 1079 Block 43, Lipscomb, TX, 10-10/26/0120992; 140 bbls hauled to Nard, Inc., German #2, NE/4 28-29N-22W, Harper, OK, 340254; 140 bbls hauled to West OK Disposal, Smith Estate, Well #1, 21-23N-21W, Woodward, OK, 35153206970000