



Confidentiality Requested:

Yes No

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: _____

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Powers 1-2H
Doc ID	1093361

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8653-9050	2081 bbls water, 384 bbls acid, 21M lbs sd, 2465 TLTR	
5	8160-8567	1959 bbls water, 384 bbls acid, 22M lbs sd, 4808 TLTR	
5	7667-8063	1909 bbls water, 384 bbls acid, 22M lbs sd, 7101 TLTR	
5	7178-7580	1897 bbls water, 384 bbls acid, 22M lbs sd, 9382 TLTR	
5	6673-7077	1897 bbls water, 384 bbls acid, 23M lbs sd, 12047 TLTR	
5	6187-6583	1897 bbls water, 384 bbls acid, 23M lbs sd, 14598 TLTR	
5	5708-6107	1897 bbls water, 384 bbls acid, 23M lbs sd, 16914 TLTR	
5	5220-5632	1897 bbls water, 384 bbls acid, 22M lbs sd, 19102 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Powers 1-2H
Doc ID	1093361

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	20	20	75	100	Mid-Continent 8 sack grout	10	none
Surface	12.25	9.63	36	1225	Halliburton Extendacem and Swiftcem systems	510	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5510	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite
Production	6.12	4.5	11.6	9182	Halliburton Econocem System	450	.4% Halad(R)-9, 2 lbm Kol-Seal. 2% Bentonite

Summary of Changes

Lease Name and Number: Powers 1-2H

API/Permit #: 15-057-20800-01-00

Doc ID: 1093361

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	08/28/2012	09/13/2012
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 87681	../../../../kcc/detail/operatorE ditDetail.cfm?docID=10 93361
Well Type	OIL	GAS



CONFIDENTIAL

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1087681

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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.							
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ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Powers 1-2H
Doc ID	1087681

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
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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 13, 2012

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

Re: ACO1
API 15-057-20800-01-00
Powers 1-2H
NE/4 Sec.02-27S-22W
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



Survey Calculation Program

Sandridge Energy
Powers 1-2H
Ford County, Kansas
Lariat 41

M.W.D. OPERATOR: Shane Miller/Colleen Swenson
DIRECTIONAL DRILLERS: Jon Ferguson/Wayne Swenson

Magnetic Declination:	6.37
Job #:	DR1206103
Vertical Section Azimuth	182.6

Minimum Curvature Calculation

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
Tie	0	0.0	0.0	0.00	0.00	0.00	0.00	
1	1393	0.4	324.8	1392.99	3.97	-2.80	-3.84	0.03
2	1805	0.2	317.8	1804.98	5.68	-4.11	-5.49	0.05
3	2281	0.5	15.2	2280.97	8.30	-4.13	-8.11	0.09
4	2758	0.4	356.8	2757.96	11.97	-3.68	-11.79	0.04
5	3234	0.9	308.9	3233.93	15.98	-6.68	-15.66	0.15
6	3710	0.6	41.2	3709.90	20.20	-7.95	-19.82	0.23
7	3945	0.9	90.2	3944.88	21.12	-5.29	-20.86	0.29
8	3964	0.6	97.7	3963.88	21.11	-5.04	-20.86	1.66
9	3995	1.4	138.0	3994.88	20.80	-4.63	-20.57	3.29
10	4027	3.4	155.7	4026.85	19.65	-3.98	-19.45	6.59
11	4059	6.0	168.6	4058.74	17.14	-3.25	-16.98	8.72
12	4091	8.1	179.3	4090.50	13.25	-2.90	-13.10	7.71
13	4123	10.2	186.7	4122.09	8.18	-3.20	-8.03	7.51
14	4154	12.4	189.6	4152.49	2.17	-4.07	-1.98	7.33
15	4186	13.5	192.0	4183.67	-4.87	-5.42	5.11	3.83
16	4218	13.1	195.0	4214.81	-12.03	-7.14	12.34	2.49
17	4250	14.0	194.0	4245.92	-19.29	-9.01	19.67	2.91
18	4281	15.3	190.8	4275.92	-26.94	-10.69	27.40	4.94
19	4313	17.5	187.5	4306.61	-35.86	-12.11	36.37	7.46
20	4345	19.7	187.6	4336.94	-45.98	-13.45	46.54	6.88
21	4377	21.2	189.8	4366.92	-57.03	-15.15	57.65	5.27
22	4409	23.1	191.2	4396.56	-68.89	-17.35	69.60	6.16
23	4440	25.0	191.9	4424.87	-81.26	-19.88	82.08	6.20
24	4472	27.2	191.6	4453.60	-95.05	-22.75	95.98	6.89
25	4504	29.9	191.6	4481.71	-110.03	-25.82	111.08	8.44
26	4536	33.1	192.3	4508.99	-126.38	-29.29	127.58	10.06
27	4567	37.1	191.9	4534.35	-143.81	-33.02	145.16	12.92
28	4599	41.2	191.7	4559.16	-163.58	-37.15	165.10	12.82
29	4631	43.7	192.0	4582.77	-184.71	-41.59	186.41	7.84
30	4663	45.7	192.5	4605.51	-206.71	-46.36	208.60	6.35
31	4695	47.9	191.9	4627.42	-229.51	-51.29	231.60	7.01
32	4727	49.4	190.5	4648.56	-253.07	-55.95	255.35	5.72
33	4758	49.7	189.8	4668.67	-276.29	-60.11	278.73	1.97
34	4790	49.3	189.8	4689.45	-300.27	-64.25	302.88	1.25



Survey Calculation Program

Sandridge Energy
Powers 1-2H
Ford County, Kansas
Lariat 41

M.W.D. OPERATOR: Shane Miller/Colleen Swenson
DIRECTIONAL DRILLERS: Jon Ferguson/Wayne Swenson

Magnetic Declination: 6.37

Job #: DR1206103

Vertical Section Azimuth 182.6

Minimum Curvature Calculation

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/100
35	4822	48.8	189.3	4710.42	-324.10	-68.26	326.87	1.96
36	4854	48.9	190.1	4731.48	-347.85	-72.32	350.78	1.91
37	4886	49.2	190.4	4752.45	-371.64	-76.62	374.73	1.17
38	4917	48.6	189.8	4772.83	-394.64	-80.72	397.89	2.42
39	4949	49.7	188.8	4793.76	-418.52	-84.63	421.93	4.17
40	4981	52.4	187.3	4813.88	-443.16	-88.11	446.70	9.19
41	5013	55.5	186.4	4832.71	-468.85	-91.19	472.50	9.95
42	5044	58.1	186.5	4849.68	-494.62	-94.10	498.38	8.39
43	5076	61.5	187.2	4865.78	-522.07	-97.41	525.95	10.79
44	5107	65.0	188.4	4879.73	-549.49	-101.17	553.52	11.81
45	5139	66.6	189.6	4892.85	-578.32	-105.73	582.52	6.06
46	5171	69.8	190.5	4904.73	-607.57	-110.92	611.98	10.34
47	5203	72.1	189.5	4915.17	-637.36	-116.17	641.97	7.77
48	5234	74.5	189.3	4924.08	-666.65	-121.02	671.45	7.77
49	5266	76.6	188.5	4932.06	-697.26	-125.81	702.25	6.99
50	5298	79.4	187.7	4938.72	-728.25	-130.22	733.40	9.09
51	5330	82.7	188.1	4943.69	-759.55	-134.57	764.88	10.39
52	5361	86.8	187.3	4946.53	-790.14	-138.70	795.62	13.47
53	5393	89.4	184.1	4947.59	-821.96	-141.88	827.55	12.88

Section 35
26S 22W

Section 36
26S 22W



Miss Entry: 5178'
-99.687979 37.731679

Top Perf: 5220'
-99.688006 37.731517

Section 2
27S 22W

Section 1
27S 22W

Bottom Perf: 8653'
-99.687808 37.722176

BHL: 9182'
-99.6878 37.720794

350' FSL 174' FEL

Section 11
27S 22W

Section 12
27S 22W



Actual Bottom-Hole Location of Powers 1-2H
Ford County, Kansas
T&R: 27S 22W
Section: 2, 350' FSL & 174' FEL
Long: -99.6878 37.720794
1 in = 667 ft

Draftsman:

Aaron Birk

Draft Date: 8/22/2012

Drawing Name/Number:

Addendum_Powers_1-2H.mxd

Coordinate System:

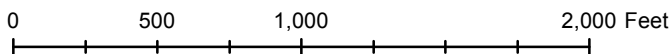
NAD 1927 State Plane
Kansas South FIPS: 1502

● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

Date	Invoice #
4/29/2012	1304

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
John Fortune	Net 45	4/29/2012	Powers I-2H, Ford Cnty, KS	Lariat 41

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Grout & Trucking	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits
		Subtotal \$23,910.00
		Sales Tax (0.0%) \$0.00
		Total \$23,910.00

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2936410	Quote #:	Sales Order #: 9629394
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Man, Company	
Well Name: Powers	Well #: 1-2H	API/UWI #: 15-057-20800	
Field:	City (SAP): FORD	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 22W			
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: GALVAN, GEORGE	MBU ID Emp #: 447816

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GALVAN, GEORGE	8.5	447816	HEIDT, JAMES Nicholas	8.5	517102	MENDOZA, VICTOR	8.5	442596
NASH, JONATHAN Clark	8.5	524600						

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
07-01-2012	8.5	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
					30 - Jun - 2012	20:00	CST
Form Type			BHST	On Location	01 - Jul - 2012	06:00	CST
Job depth MD	1230. ft		Job Depth TVD	Job Started	01 - Jul - 2012	14:57	CST
Water Depth			Wk Ht Above Floor	Job Completed	01 - Jul - 2012	16:15	CST
Perforation Depth (MD)	From		To	Departed Loc	01 - Jul - 2012	17:45	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
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)	250.0	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		87.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	91	Shut In: Instant		Lost Returns		Cement Slurry	151	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	50	Actual Displacement	91	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	5	Displacement	5	Avg. Job			5
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 #: 2936410	Quote #:	Sales Order #: 9654383
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Loven, Quincy	
Well Name: Powers	Well #: 1-2H	API/UWI #: 15-057-20800	
Field:	City (SAP): FORD	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 22W			
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 #
LUONG, JOHN	10.5	497077	RODRIGUEZ, EDGAR Alejandro	10.5	442125	TORRES, CLEMENTE	10.5	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
7/9/2012	6	1	7/10/2012	2	2			

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	09 - Jul - 2012	17:00	CST
Job depth MD	5518. ft	Job Depth TVD	Job Started	10 - Jul - 2012	01:34	CST
Water Depth		Wk Ht Above Floor	Job Completed	10 - Jul - 2012	02:55	CST
Perforation Depth (MD) From		To	Departed Loc	10 - Jul - 2012	04:30	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
8.75" Open Hole				8.75				1165.	5655.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5655.		
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, 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

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	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	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement (TBC)		208	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	208	Shut In: Instant		Lost Returns		Cement Slurry	76	Pad	
Top Of Cement	2808	5 Min		Cement Returns		Actual Displacement	208	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	294
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	90.21	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 #: 2936410	Quote #:	Sales Order #: 9668323
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Nusz, John	
Well Name: Powers	Well #: 1-2H	API/UWI #: 15-057-20800	
Field:	City (SAP): FORD	County/Parish: Ford	State: Kansas
Legal Description: Section 2 Township 27S Range 22W			
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		Srv Supervisor: RALSTON, ANTHONY MBU ID Emp #: 448065	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CLEMENS, ANTHONY Jason	14	198516	COFFMAN, TYLER Richard	14	511173	HATMAKER, RYAN Leigh	14	514566
Martinez, Fernando	14	520482	MCKINLEY, MARK W	14	502784	RALSTON, ANTHONY Kenneth	14	448065
TREJO, NOE	14	456243						

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	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	16 - Jul - 2012	13:30	CST
Job depth MD	9182. ft	Job Depth TVD	Job Started	17 - Jul - 2012	11:54	CST
Water Depth		Wk Ht Above Floor	Job Completed	17 - Jul - 2012	14:00	CST
Perforation Depth (MD) From		To	Departed Loc	17 - Jul - 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
6.125" Open Hole				6.125				5655.	9180.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4968.	9180.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5655.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4968.		

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	Rig Caustic Water Spacer		10.00	bbl	8.5	.0	.0	4	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36	5.5	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 / TBC		94.00	bbl	8.33	.0	.0	4	
Calculated Values		Pressures			Volumes				
Displacement	92.7	Shut In: Instant		Lost Returns	0	Cement Slurry	124	Pad	
Top Of Cement	3993	5 Min		Cement Returns	0	Actual Displacement	92.8	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	236
Rates									
Circulating		Mixing	5.5	Displacement	4	Avg. Job			4.75
Cement Left In Pipe	Amount	91.32 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					