

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1073874

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

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: _____

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR.			Producing Method:					
			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____					
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>		<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Iris 1-1H
Doc ID	1073874

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9085-9393	4404 bbls water, 36 bbls acid, 74M lbs sd, 4440 TLTR	
5	8703-9011	4247 bbls water, 36 bbls acid, 76M lbs sd, 8853 TLTR	
5	8328-8628	4269 bbls water, 36 bbls acid, 75M lbs sd, 13267 TLTR	
5	7938-8246	4387 bbls water, 36 bbls acid, 75M lbs sd, 17784 TLTR	
5	7590-7863	4220 bbls water, 36 bbls acid, 75M lbs sd, 22127 TLTR	
5	7173-7522	4198 bbls water, 36 bbls acid, 75M lbs sd, 26426 TLTR	
5	6778-7098	4205 bbls water, 36 bbls acid, 75M lbs sd, 35034 TLTR	
5	6412-6716	4211 bbls water, 36 bbls acid, 75M lbs sd, 35034 TLTR	
5	5990-6333	4266 bbls water, 36 bbls acid, 75M lbs sd, 39348 TLTR	
5	5643-5922	4221 bbls water, 36 bbls acid, 75M lbs sd, 43597 TLTR	

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5260-5578	4291 bbls water, 36 bbls acid, 75M lbs sd, 47903 TLTR	

Form	ACO1 - Well Completion
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Doc ID	1073874

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	32	20	75	95	Mid-Continent Conductor 8 sac grout	11	none
Surface	12.25	9.63	36	962	O-Tex Lite Standard/ Standard	720	2% Calcium Chloride, 1/4 lb/sk Cellflake, .5% C-41P
Intermediate	8.75	7	26	5545	50/50 Poz Premium	200	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.13	4.5	11.6	9482	50/50 premium Poz	470	4% Gel, .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

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

March 16, 2012

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

Re: ACO1
API 15-033-21611-01-00
Iris 1-1H
NW/4 Sec.01-31S-20W
Comanche 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

SandRidge Energy

Comanche County (KS27S)

Sec 1-T31S-R20W

Iris 1-1H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

28 February, 2012

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Iris 1-1H
Project:	Comanche County (KS27S)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 1-T31S-R20W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Iris 1-1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Design	Wellbore #1			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	179.87

Survey Program	Date 2012/02/28			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
1,035.0	9,482.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,035.0	0.20	190.80	1,035.0	-1.8	-0.3	1.8	0.02	0.02	0.00
First MWD Survey									
1,510.0	0.10	262.00	1,510.0	-2.6	-0.9	2.6	0.04	-0.02	14.99
1,987.0	0.60	282.00	1,987.0	-2.2	-3.8	2.2	0.11	0.10	4.19
2,463.0	0.40	279.70	2,463.0	-1.4	-7.8	1.4	0.04	-0.04	-0.48
2,940.0	0.20	261.30	2,940.0	-1.2	-10.3	1.2	0.05	-0.04	-3.86
3,416.0	0.30	317.20	3,416.0	-0.4	-12.0	0.4	0.05	0.02	11.74
3,797.0	0.00	224.10	3,797.0	0.3	-12.6	-0.3	0.08	-0.08	0.00
3,893.0	0.30	198.70	3,893.0	0.1	-12.7	-0.1	0.31	0.31	0.00
3,988.0	0.00	53.70	3,988.0	-0.2	-12.8	0.2	0.32	-0.32	0.00
4,083.0	0.30	40.30	4,083.0	0.0	-12.6	0.0	0.32	0.32	0.00
4,147.0	0.50	39.60	4,147.0	0.3	-12.4	-0.4	0.31	0.31	-1.09
4,178.0	0.70	41.70	4,178.0	0.6	-12.1	-0.6	0.65	0.65	6.77
4,210.0	1.50	144.90	4,209.9	0.4	-11.8	-0.4	5.61	2.50	322.50
4,242.0	4.00	158.40	4,241.9	-1.0	-11.1	1.0	8.02	7.81	42.19
4,274.0	6.20	161.80	4,273.8	-3.7	-10.2	3.6	6.94	6.88	10.63
4,305.0	8.20	163.30	4,304.5	-7.4	-9.0	7.4	6.48	6.45	4.84
4,337.0	10.30	167.10	4,336.1	-12.3	-7.7	12.3	6.83	6.56	11.88
4,369.0	12.70	169.90	4,367.5	-18.6	-6.5	18.6	7.70	7.50	8.75
4,401.0	15.50	174.10	4,398.5	-26.3	-5.4	26.3	9.31	8.75	13.13
4,432.0	18.00	176.70	4,428.2	-35.2	-4.7	35.2	8.42	8.06	8.39
4,464.0	20.50	176.40	4,458.4	-45.8	-4.1	45.7	7.82	7.81	-0.94
4,496.0	22.60	175.80	4,488.2	-57.5	-3.3	57.5	6.60	6.56	-1.88
4,528.0	25.00	177.00	4,517.4	-70.4	-2.5	70.4	7.65	7.50	3.75
4,560.0	27.10	178.40	4,546.2	-84.4	-1.9	84.4	6.84	6.56	4.38
4,591.0	29.40	179.30	4,573.5	-99.1	-1.6	99.1	7.55	7.42	2.90
4,623.0	31.60	179.30	4,601.1	-115.3	-1.4	115.3	6.88	6.88	0.00
4,655.0	33.50	179.50	4,628.0	-132.5	-1.2	132.5	5.95	5.94	0.63
4,687.0	35.40	180.10	4,654.4	-150.6	-1.2	150.6	6.03	5.94	1.88
4,718.0	36.80	179.70	4,679.5	-168.9	-1.1	168.9	4.58	4.52	-1.29
4,750.0	38.50	179.10	4,704.8	-188.4	-0.9	188.4	5.43	5.31	-1.88
4,782.0	40.40	179.20	4,729.5	-208.8	-0.6	208.8	5.94	5.94	0.31
4,814.0	42.00	179.40	4,753.6	-229.8	-0.4	229.8	5.02	5.00	0.63
4,845.0	43.30	179.60	4,776.4	-250.8	-0.2	250.8	4.22	4.19	0.65
4,877.0	45.00	179.60	4,799.3	-273.1	0.0	273.1	5.31	5.31	0.00
4,909.0	46.50	179.30	4,821.7	-296.1	0.2	296.1	4.74	4.69	-0.94
4,941.0	48.60	179.70	4,843.3	-319.7	0.4	319.7	6.63	6.56	1.25
4,973.0	50.40	180.10	4,864.1	-344.0	0.4	344.0	5.70	5.63	1.25

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Iris 1-1H
Project:	Comanche County (KS27S)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 1-T31S-R20W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Iris 1-1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,004.0	50.70	180.10	4,883.7	-367.9	0.4	367.9	0.97	0.97	0.00
5,036.0	50.50	180.10	4,904.1	-392.7	0.3	392.7	0.63	-0.63	0.00
5,068.0	50.60	179.90	4,924.4	-417.4	0.3	417.4	0.57	0.31	-0.63
5,100.0	50.20	179.50	4,944.8	-442.0	0.5	442.0	1.58	-1.25	-1.25
5,131.0	50.10	179.60	4,964.7	-465.8	0.7	465.8	0.41	-0.32	0.32
5,163.0	51.90	179.20	4,984.8	-490.7	0.9	490.7	5.71	5.63	-1.25
5,195.0	55.30	178.80	5,003.8	-516.4	1.4	516.4	10.67	10.63	-1.25
5,226.0	58.70	179.00	5,020.7	-542.4	1.9	542.4	10.98	10.97	0.65
5,258.0	61.40	180.10	5,036.6	-570.2	2.1	570.2	8.95	8.44	3.44
5,290.0	64.20	180.80	5,051.3	-598.6	1.9	598.6	8.96	8.75	2.19
5,322.0	66.70	180.80	5,064.6	-627.7	1.5	627.7	7.81	7.81	0.00
5,354.0	69.70	180.30	5,076.4	-657.4	1.2	657.4	9.49	9.38	-1.56
5,385.0	72.40	180.20	5,086.5	-686.7	1.0	686.7	8.72	8.71	-0.32
5,417.0	74.80	179.90	5,095.5	-717.4	1.0	717.4	7.55	7.50	-0.94
5,449.0	77.10	180.00	5,103.3	-748.5	1.0	748.5	7.19	7.19	0.31
5,481.0	79.70	179.80	5,109.7	-779.8	1.1	779.8	8.15	8.13	-0.63
5,494.0	80.50	179.60	5,112.0	-792.6	1.2	792.6	6.34	6.15	-1.54
5,551.0	83.50	178.70	5,119.9	-849.1	2.0	849.1	5.49	5.26	-1.58
5,583.0	83.60	178.60	5,123.5	-880.8	2.8	880.8	0.44	0.31	-0.31
5,615.0	85.70	179.20	5,126.5	-912.7	3.4	912.7	6.82	6.56	1.88
5,647.0	87.30	178.50	5,128.4	-944.6	4.0	944.6	5.46	5.00	-2.19
5,678.0	88.40	178.20	5,129.6	-975.6	4.9	975.6	3.68	3.55	-0.97
5,742.0	89.10	178.90	5,131.0	-1,039.6	6.5	1,039.6	1.55	1.09	1.09
5,838.0	90.40	178.50	5,131.4	-1,135.5	8.7	1,135.5	1.42	1.35	-0.42
5,934.0	90.00	178.00	5,131.1	-1,231.5	11.6	1,231.5	0.67	-0.42	-0.52
6,029.0	91.30	177.80	5,130.0	-1,326.4	15.1	1,326.4	1.38	1.37	-0.21
6,125.0	90.70	179.00	5,128.3	-1,422.4	17.8	1,422.4	1.40	-0.63	1.25
6,220.0	89.90	176.40	5,127.8	-1,517.3	21.6	1,517.3	2.86	-0.84	-2.74
6,316.0	90.20	178.00	5,127.7	-1,613.1	26.3	1,613.2	1.70	0.31	1.67
6,412.0	89.90	180.40	5,127.7	-1,709.1	27.6	1,709.2	2.52	-0.31	2.50
6,508.0	90.50	184.40	5,127.3	-1,805.0	23.6	1,805.1	4.21	0.63	4.17
6,603.0	90.30	185.00	5,126.7	-1,899.7	15.8	1,899.7	0.67	-0.21	0.63
6,699.0	90.40	183.70	5,126.1	-1,995.4	8.5	1,995.4	1.36	0.10	-1.35
6,795.0	89.50	183.60	5,126.2	-2,091.2	2.4	2,091.2	0.94	-0.94	-0.10
6,891.0	90.30	185.30	5,126.3	-2,186.9	-5.0	2,186.9	1.96	0.83	1.77
6,987.0	88.00	183.00	5,127.8	-2,282.7	-12.0	2,282.6	3.39	-2.40	-2.40
7,082.0	87.40	182.00	5,131.6	-2,377.5	-16.1	2,377.4	1.23	-0.63	-1.05
7,178.0	86.90	181.20	5,136.3	-2,473.3	-18.8	2,473.3	0.98	-0.52	-0.83
7,274.0	90.00	180.70	5,138.9	-2,569.3	-20.4	2,569.2	3.27	3.23	-0.52
7,369.0	91.00	180.30	5,138.1	-2,664.3	-21.2	2,664.2	1.13	1.05	-0.42
7,465.0	91.40	180.50	5,136.1	-2,760.2	-21.9	2,760.2	0.47	0.42	0.21
7,561.0	90.40	180.80	5,134.6	-2,856.2	-23.0	2,856.2	1.09	-1.04	0.31
7,657.0	90.70	180.00	5,133.7	-2,952.2	-23.6	2,952.2	0.89	0.31	-0.83
7,752.0	91.90	179.50	5,131.5	-3,047.2	-23.2	3,047.1	1.37	1.26	-0.53
7,848.0	90.50	178.40	5,129.5	-3,143.1	-21.5	3,143.1	1.85	-1.46	-1.15
7,943.0	90.00	178.50	5,129.1	-3,238.1	-18.9	3,238.1	0.54	-0.53	0.11
8,043.0	89.80	178.20	5,129.3	-3,338.1	-16.0	3,338.0	0.36	-0.20	-0.30
8,138.0	90.10	177.80	5,129.3	-3,433.0	-12.7	3,433.0	0.53	0.32	-0.42
8,234.0	90.00	176.40	5,129.3	-3,528.9	-7.8	3,528.9	1.46	-0.10	-1.46
8,329.0	91.30	177.30	5,128.2	-3,623.7	-2.6	3,623.7	1.66	1.37	0.95
8,425.0	91.40	176.50	5,125.9	-3,719.6	2.6	3,719.6	0.84	0.10	-0.83
8,520.0	90.60	178.00	5,124.3	-3,814.4	7.1	3,814.4	1.79	-0.84	1.58
8,616.0	90.40	179.90	5,123.4	-3,910.4	8.9	3,910.4	1.99	-0.21	1.98
8,712.0	89.40	178.90	5,123.6	-4,006.4	9.9	4,006.4	1.47	-1.04	-1.04

Wolverine Directional, LLC

Survey Report

Company: SandRidge Energy
Project: Comanche County (KS27S)
Site: Sec 1-T31S-R20W
Well: Iris 1-1H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Iris 1-1H
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,807.0	88.80	177.90	5,125.1	-4,101.4	12.5	4,101.4	1.23	-0.63	-1.05
8,903.0	89.10	178.70	5,126.8	-4,197.3	15.4	4,197.3	0.89	0.31	0.83
8,999.0	89.90	178.90	5,127.7	-4,293.3	17.4	4,293.3	0.86	0.83	0.21
9,094.0	90.10	178.20	5,127.7	-4,388.2	19.8	4,388.3	0.77	0.21	-0.74
9,190.0	90.00	177.60	5,127.6	-4,484.2	23.3	4,484.2	0.63	-0.10	-0.63
9,285.0	90.20	176.70	5,127.4	-4,579.1	28.0	4,579.1	0.97	0.21	-0.95
9,380.0	90.20	175.90	5,127.1	-4,673.9	34.2	4,673.9	0.84	0.00	-0.84
9,435.0	90.10	175.20	5,127.0	-4,728.7	38.4	4,728.8	1.29	-0.18	-1.27
Last MWD Survey									
9,479.8	90.00	175.01	5,126.9	-4,773.3	42.3	4,773.4	0.48	-0.21	-0.43
Iris 1-1H PBHL									
9,482.0	90.00	175.00	5,126.9	-4,775.5	42.5	4,775.6	0.48	-0.21	-0.43
Proj to TD									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,035.0	1,035.0	-1.8	-0.3	First MWD Survey
9,435.0	5,127.0	-4,728.7	38.4	Last MWD Survey
9,482.0	5,126.9	-4,775.5	42.5	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

Invoice

Date	Invoice #
1/29/2012	1207

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
Lawrence	Net 60	1/29/2012	Iris 1-IH, Comanche Cnty, KS	Lariat 38

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 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	11	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 \$22,690.00
		Sales Tax (0.0%) \$0.00
		Total \$22,690.00

JOB SUMMARY				PROJECT NUMBER SOK1217	TICKET DATE 02/15/12
COUNTRY Comanche	State Oklahoma	COMPANY Sandridge Exp and Production	CUSTOMER REP Roger Barber		
LEASE NAME Iris	Well No. 1-1H	JOB TYPE Surface	EMPLOYEE NAME Louis Arney		

EMP NAME LOUIS ARNEY			
JASON JONES			
BILLY TAFF			
MARCOS QUINTANA			

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water	BBL.	10 8.33
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Date	Called Out	On Location	Job Started	Job Completed
	2/15/2012	2/16/2012	2/15/2012	2/15/2012
Time	5:30	12:00	6:35	7:32

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	36.0	9	5/8	Surface		1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole			12 1/4"	Surface	1,000	Shots/Ft.
Perforations						
Perforations						
Perforations						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2/15	8.0	2/15	1.0	Surface
Total	8.0	Total	1.0	

Pressures			
MAX	1,500 PSI	AVG	400
Average Rates in BPM			
MAX	8 BPM	AVG	6
Cement Left in Pipe			
Feet	47	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	440	O-Tex Lite Standard	(6%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4 lb/sk Celloflake	5.20	1.18	15.60
3	100	Standard	2%Calcium Chloride on the side	5.20	1.18	15.60

Summary							
Preflush	Type:	MAXIMUM	1,500 PSI	Preflush:	BBI	Type:	FRESH WATER
Breakdown		Lost Returns-N	NO/FULL	Load & Bkdn:	Gal - BBI	Pad:Bbl -Gal	N/A
		Actual TOC	SURFACE	Excess /Return BBI	31	Calc. Disp Bbl	
Average		Bump Plug PSI:	293	Calc. TOC:	SURFACE	Actual Disp.	71.00
5 Min.		10 Min	15 Min	Final Circ.	PSI:	Disp:Bbl	
				Cement Slurry:	BBI		
				Total Volume	BBI		
					10.00		
					N/A		
					31		
					450		
					183.0		
					264.00		

CUSTOMER REPRESENTATIVE _____

Felix Ortiz
SIGNATURE

JOB SUMMARY				PROJECT NUMBER	TICKET DATE
COUNTRY		State	COMPANY	SOK 1236	02/21/12
COMANCHE		Oklahoma	Sandridge Exp and Prod	CUSTOMER REP FELIX ORTIZ JR	
LEASE NAME	Well No	JOB TYPE	EMPLOYEE NAME		
IRIS	1-1H	Intermediate	CHARLES SPRACKLEN		
EMP NAME					
Charles Spracklen		Larry Kirchner Sr.			
Robert Burris					
Bryan Douglas					
Mark Boethin					
Form. Name _____ Type: _____					
Packer Type _____		Set At _____ 0			
Bottom Hole Temp. _____ 0		Pressure _____			
Retainer Depth _____		Total Depth _____ 5545			
Tools and Accessories					
Type and Size	Qty	Make			
Auto Fill Tube	0	IR			
Insert Float Val	0	IR			
Centralizers	0	IR			
Top Plug	0	IR			
HEAD	0	IR			
Limit clamp	0	IR			
Weld-A	0	IR			
Texas Pattern Guide Shoe	0	IR			
Cement Basket	0	IR			
Materials					
Mud Type _____	Density _____	Lb/Gal			
Disp. Fluid _____	Density _____	Lb/Gal			
Spacer type _____	BBL _____				
Spacer type _____	BBL _____				
Acid Type _____	Gal. _____ %				
Acid Type _____	Gal. _____ %				
Surfactant _____	Gal. _____ In				
NE Agent _____	Gal. _____ In				
Fluid Loss _____	Gal/Lb _____ In				
Gelling Agent _____	Gal/Lb _____ In				
Fric. Red. _____	Gal/Lb _____ In				
MISC. _____	Gal/Lb _____ In				
Perfpac Balls _____	Qty. _____				
Other _____					
Other _____					
Other _____					
Other _____					
Other _____					
Well Data					
Date	Called Out	On Location	Job Started	Job Completed	
2/21/2012	2/21/2012	2/21/2012	2/21/2012	2/21/2012	
Time	08:45	13:00	13:40	14:45	
Now/Used					
Casing	Weight	Size	Grade	From	To
Liner	26.0	7		Surface	5,545
Liner					
Tubing					
Drill Pipe					
Open Hole		8 3/4		Surface	5,545
Perforations					Shots/Ft.
Perforations					
Perforations					
Hours On Location					
Date	Hours	Operating Hours		Description of Job	
2/21		Date	Hours	Intermediate	
Total	0.0	Total	0.0		
Pressures					
MAX	1500	AVG	350		
Average Rates in BPM					
MAX	7.2	AVG	5		
Cement Left in Pipe					
Feet	83	Reason Shoe Track			
Cement Data					
Stage	Sacks	Cement	Additives	W/Rq.	Yield
1	200	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44
2	0	0		0.00	0.00
3	0	0		0.00	0.00
Summary					
Preflush 10 _____	Type: _____	Caustic _____	Preflush: BBI _____ 20.00	Type: FRESH WATER	
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Excess /Return BBI _____	Pad:Bbl -Gal _____	
	Lost Returns-N _____	Calc. TOC: _____	Treatment: Gal - BBI _____	Calc. Disp Bbl _____ 209	
Average _____	Actual TOC _____	Cement Slurry: BBI _____	Total Volume BBI _____ 258.00	Actual Disp. _____	187.00
ISIP _____ 5 Min. _____	Frac. Gradient _____			Disp:Bbl _____	
	10 Min _____				
	15 Min _____				
CUSTOMER REPRESENTATIVE _____					
SIGNATURE _____					

CUSTOMER REPRESENTATIVE Felipe Ortiz Jr
SIGNATURE

American Measurement Services

A Limited Liability Company
Ames, Oklahoma

Station Number: OK03R0024
Producer: SANDRIDGE ENERGY
Lease: IRIS 1-1H
Sample Pressure: 46.4
Sample Temperature: 69.7
Cylinder Number: 4469
Analysis By: AMS
Date Sampled: 4/9/2012
Analysis Run Date: 4/10/2012

Gas Components	Mole Percent	GPM
Methane	85.049	
Ethane	4.138	1.0999
Propane	1.363	0.3733
IButane	0.313	0.1019
NButane	0.542	0.1700
IPentan	0.191	0.0695
NPentan	0.164	0.0590
C6 +	0.363	0.1576
Nitrogen	7.391	
CO2	0.486	
	100.00%	2.0312

BTU @ 14.65 @ 60 F - Real

Dry 1026.5
Wet 1008.5

Gasoline Content

Propane And Heavier 0.9313
Butane And Heavier 0.5580
Pentane And Heavier 0.2861

Specific Gravity - Real 0.6527
Z = 0.9976

H2S Field Test: .5 PPM

Field Remarks: First Flow

Analysis Based Upon GPA 2145, 2172, And 2261

Section 36
30S 20W

Section 31
30S 19W

IRIS 1-1H



Miss Entry: 5242'
-99.450912 37.379523

Top Perf: 5260'
-99.450978 37.379479

Section 2
31S 20W

Section 1
31S 20W

Bottom Perf: 9085'
-99.450785 37.369024

806' FEL

319' FSL

BHL: 9482'
-99.450692 37.367936

Section 11
31S 20W

Section 12
31S 20W



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

Actual Bottom-Hole Location of Irs 1-22H
Comanche County, Kansas
T&R: 31S 20W
Section: 1, 806' FEL & 319' FSL
Long/Lat: -99.450692 37.367936
1 in = 667 ft

0 500 1,000 2,000 Feet



Draftsman:

Aaron Birk

Draft Date: 5/14/2012

Drawing Name/Number:

Addendum_Iris_1-22H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Attachment successfully uploaded.

Back to Well Completion

Iris 1-1H (1073874)**Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Cementing Reports OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

[Add Attachment](#)**Remarks**

Remarks to KCC	
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[Add Remark](#)**Remarks**

Tiffany Golay 05/14/012 09:28 am	Fluid Mgmt: 970 bbls hauled to disposal: Guard, Inc. and 6880 bbls soil farmed: Triple C Soil Farming
Tiffany Golay 04/16/012 04:07 pm	Conductor weight: 94 lbs/ft and 11 yards of grout were furnished