



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> _____ <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	Cynthia 1-14H
Doc ID	1089091

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9197-9200; 9052-9055; 8908-8911	4320 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 4356 TLTR	
6	8763-8766; 8618-8621; 8473-8476	4292 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 8862 TLTR	
6	8329-8332; 8184-8187; 8039-8042	4297 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 13400 TLTR	
6	7894-7897; 7750-7753; 7605-7608	4261 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 17858 TLTR	
6	7460-7463; 7316-7319; 7171-7174	4213 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 22263 TLTR	
6	7026-7029; 6881-6884; 6737-6740	4336 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 26754 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1089091

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	6592-6595; 6447-6450; 6303-6306	4317 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 31272 TLTR	
6	6158-6161; 6013-6016; 5868-5870	4333 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 76M lbs 40/70 sd, 35738 TLTR	
6	5724-5727; 5579-5582; 5434-5437	4311 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 40155 TLTR	
6	5289-5292; 5145-5148; 5000-5003	4231 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 44449 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1089091

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	24	20	75	90	Koda Grout	18	none
Surface	12.25	9.63	36	713	Halliburton Light Standard/ Standard	350	Calcium Chloride, Pellet, 50lb, Poly-E-Flake, Fresh Water
Intermediate	9.63	7	29	5238	50/50 POZ Standard	245	.4% Halad(R)-9, 50lb; 2lbm Kol-Seal, Bulk; 2% Bentonite, Bulk; 7.356 Fresh Water
Liner	7.63	4.5	11.6	9306	50/50 Poz Standard	450	.4% Halad (R)-9, 50 lb; 2lbm Kelo-Seal, bulk; 2% Bentonite, bulk; 7.356 Fresh Water

Summary of Changes

Lease Name and Number: Cynthia 1-14H

API/Permit #: 15-077-21754-01-00

Doc ID: 1089091

Correction Number: 2

Approved By: Deanna Garrison

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Deanna Garrison
Approved Date	03/06/2012	08/08/2012
Save Link	../..kcc/detail/operatorEditDetail.cfm?docID=1075770	../..kcc/detail/operatorEditDetail.cfm?docID=1089091
Well Type	OG	OIL

**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

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 DistributionALT I II III Approved by: _____ Date: _____



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 Yes No
 (Attach Additional Sheets)

 Samples Sent to Geological Survey Yes No

 Cores Taken Yes No

 Electric Log Run Yes No

 Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

List All E. Logs Run:

 Log Formation (Top), Depth and Datum Sample
 Name Top Datum
CASING RECORD New 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				

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: 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
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DISPOSITION OF GAS:

 Vented Sold Used on Lease
 (If vented, Submit ACO-18.)

METHOD OF COMPLETION:

 Open Hole Perf. Dually Comp. Commingled
 (Submit ACO-5) (Submit ACO-4)
 Other (Specify) _____

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1075770

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9197-9200; 9052-9055; 8908-8911	4320 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 4356 TLTR	
6	8763-8766; 8618-8621; 8473-8476	4292 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 8862 TLTR	
6	8329-8332; 8184-8187; 8039-8042	4297 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 13400 TLTR	
6	7894-7897; 7750-7753; 7605-7608	4261 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 17858 TLTR	
6	7460-7463; 7316-7319; 7171-7174	4213 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 22263 TLTR	
6	7026-7029; 6881-6884; 6737-6740	4336 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 26754 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1075770

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	24	20	75	90	Koda Grout	18	none
Surface	12.25	9.63	36	713	Halliburton Light Standard/ Standard	350	Calcium Chloride, Pellet, 50lb, Poly-E-Flake, Fresh Water
Intermediate	9.63	7	29	5238	50/50 POZ Standard	245	.4% Halad(R)-9, 50lb; 2lbm Kol-Seal, Bulk; 2% Bentonite, Bulk; 7.356 Fresh Water
Liner	7.63	4.5	11.6	9306	50/50 Poz Standard	450	.4% Halad (R)-9, 50 lb; 2lbm Kelo-Seal, bulk; 2% Bentonite, bulk; 7.356 Fresh Water

Summary of Changes

Lease Name and Number: Cynthia 1-14H

API/Permit #: 15-077-21754-01-00

Doc ID: 1075770

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved By	Deanna Garrison	NAOMI JAMES
Approved Date	03/05/2012	03/06/2012
Denied Date	03/01/2012	
Save Link	../../kcc/detail/operatorE ditDetail.cfm?docID=10 72166	../../kcc/detail/operatorE ditDetail.cfm?docID=10 75770
Spud Or Recompletion Date	11/01/2011	11/08/2011



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

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: _____



1072166

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.							
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
_____ 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

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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1072166

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9197-9200; 9052-9055; 8908-8911	4320 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 4356 TLTR	
6	8763-8766; 8618-8621; 8473-8476	4292 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 8862 TLTR	
6	8329-8332; 8184-8187; 8039-8042	4297 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 13400 TLTR	
6	7894-7897; 7750-7753; 7605-7608	4261 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 17858 TLTR	
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6	7026-7029; 6881-6884; 6737-6740	4336 bbls produced Slickwater, 36 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 26754 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cynthia 1-14H
Doc ID	1072166

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	24	20	75	90	Koda Grout	18	none
Surface	12.25	9.63	36	713	Halliburton Light Standard/ Standard	350	Calcium Chloride, Pellet, 50lb, Poly-E-Flake, Fresh Water
Intermediate	9.63	7	29	5238	50/50 POZ Standard	245	.4% Halad(R)-9, 50lb; 2lbm Kol-Seal, Bulk; 2% Bentonite, Bulk; 7.356 Fresh Water
Liner	7.63	4.5	11.6	9306	50/50 Poz Standard	450	.4% Halad (R)-9, 50 lb; 2lbm Kelo-Seal, bulk; 2% Bentonite, bulk; 7.356 Fresh Water

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

January 19, 2012

John-Mark Beaver
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21754-01-00
Cynthia 1-14H
SW/4 Sec.14-35S-06W
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,
John-Mark Beaver

Notice of Conductor Pipe Installation

Installation Company Information

Firm Name	Koda Services, Inc.
Mailing Address	P O Box 66
City	Woodward
State	OK
Zip	73802

Well Operator Information

Operator name	Sandridge Energy
Mailing Address	P O Box 1748
City	Oklahoma City
State	OK
Zip	73102

Well Information

Well Name	Cynthia 1-14H
Rig	Keen 18

Installation Details

Pipe Size	20"
Depth	90'
Mouse Hole Pipe	16"
Depth	80'
Completion Method	Circulate 18 yards grout to surface via conductor
Date installed	11/1/2011

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2889307	Quote #:	Sales Order #: 9044332
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Cynthia	Well #: 1-14H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 14 Township 35S Range 6W			
Contractor: Keen		Rig/Platform Name/Num: 18	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: FUNK, JESSE	MBU ID Emp #: 412967

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FUNK, JESSE L	4	412967	TOWNSEND, JOE D	4	493000			

Equipment

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

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11-11-11	4	4						

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	11 - Nov - 2011	11:30	CST
Form Type			BHST	Job Started	11 - Nov - 2011	16:00	CST
Job depth MD	700. ft		Job Depth TVD	Job Completed	11 - Nov - 2011	17:30	CST
Water Depth			Wk Ht Above Floor	Job Completed	11 - Nov - 2011	18:40	CST
Perforation Depth (MD)	From		To	Departed Loc	11 - Nov - 2011	20:00	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
Surface Open Hole Lower				12.25				536.	700.		
Surface Open Hole Upper				12.25				80.	536.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	

HALLIBURTON

Cementing Job Summary

1	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	250	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							
2	Standard	SWIFTCEM (TM) SYSTEM (452990)	100	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							
Calculated Values		Pressures			Volumes				
Displacement	52	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	52	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
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 #: 2889307	Quote #:	Sales Order #: 9069054
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Cynthia	Well #: 1-14H	API/UWI #:	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 14 Township 35S Range 6W			
Contractor: Keen		Rig/Platform Name/Num: 18	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: CRAWFORD, ROBERT		Srv Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
OTTO, STEVEN Byron	7	505532	TIPTON, DANNY W	4	331910	TRAVIS, TONY Craig	13	367758
UNDERWOOD, BILLY Dale	13	159068						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10825967	60 mile	11133701	60 mile	11288856	60 mile	11515120	60 mile
11515202	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11-17-11	6.5	0	11-18-11	6.5	1.2			

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
					17 - Nov - 2011	15:00	CST
					17 - Nov - 2011	17:30	CST
	5222. ft				18 - Nov - 2011	04:15	CST
					18 - Nov - 2011	05:20	CST
					18 - Nov - 2011	06:30	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
Intermediate Open Hole				8.75				700.	5222.		
Intermediate Casing 1	Unknown		7.	6.184	29.	LTC	N-80		3903.		3903.
Intermediate Casing 2	Unknown		7.	6.276	26.	LTC	P-110	3903.	5222.		
Surface Casing	Unknown		9.625	8.921	36.		J-55		700.		

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	Water Spacer		10.00	bbl	8.33	.0	.0	.0		
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	245.0	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	192	Shut In: Instant		Lost Returns		Cement Slurry	67	Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement	192	Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	259	
Rates										
Circulating		Mixing	5	Displacement	5	Avg. Job			5	
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 #: 2889307		Quote #:		Sales Order #: 9094281							
Customer: SANDRIDGE ENERGY INC EBUSINESS				Customer Rep: Hill, Richard									
Well Name: Cynthia			Well #: 1-14H			API/UWI #:							
Field:		City (SAP): ANTHONY		County/Parish: Harper			State: Kansas						
Legal Description: Section 14 Township 35S Range 6W													
Contractor: Keen				Rig/Platform Name/Num: Keen 18									
Job Purpose: Cement Production Liner													
Well Type: Development Well				Job Type: Cement Production Liner									
Sales Person: CRAWFORD, ROBERT			Srcv Supervisor: WALTON, SCOTTY			MBU ID Emp #: 478229							
Job Personnel													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #		
DAVIS, TROY Robert		11	498798	HILL, RICKEY Lester		11	457261	TURNER, DANIEL J		11	461812		
WALTON, SCOTTY Dwayne		11	478229										
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way				
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
11-29-11	11	3											
TOTAL			Total is the sum of each column separately										
Job					Job Times								
Formation Name					Date		Time	Time Zone					
Formation Depth (MD)	Top	Bottom		Called Out		29 - Nov - 2011	08:00	CST					
Form Type	BHST			On Location		29 - Nov - 2011	12:00	CST					
Job depth MD	9318. ft		Job Depth TVD	5200. ft		Job Started	29 - Nov - 2011	19:40	CST				
Water Depth	Wk Ht Above Floor			4. ft		Job Completed	30 - Nov - 2011	21:43	CST				
Perforation Depth (MD)	From	To		Departed Loc		29 - Nov - 2011	23:00	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		
Production Liner Open Hole				6.125				5222.	9318.		4757.		
Intermediate Casing 1	Unknown		7.	6.184	29.	LTC	N-80	.	3903.	.	3903.		
Intermediate Casing 2	Unknown		7.	6.276	26.	LTC	P-110	3903.	5222.				
Production Liner	Unknown		4.5	4.	11.6		N-80	4817.	9318.		4757.		
Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4817.				
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	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)	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							
Calculated Values		Pressures			Volumes				
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
Rates									
Circulating		Mixing			Displacement		Avg. Job		
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					



Spud: 11/11/2011

Current

Wellbore Schematic

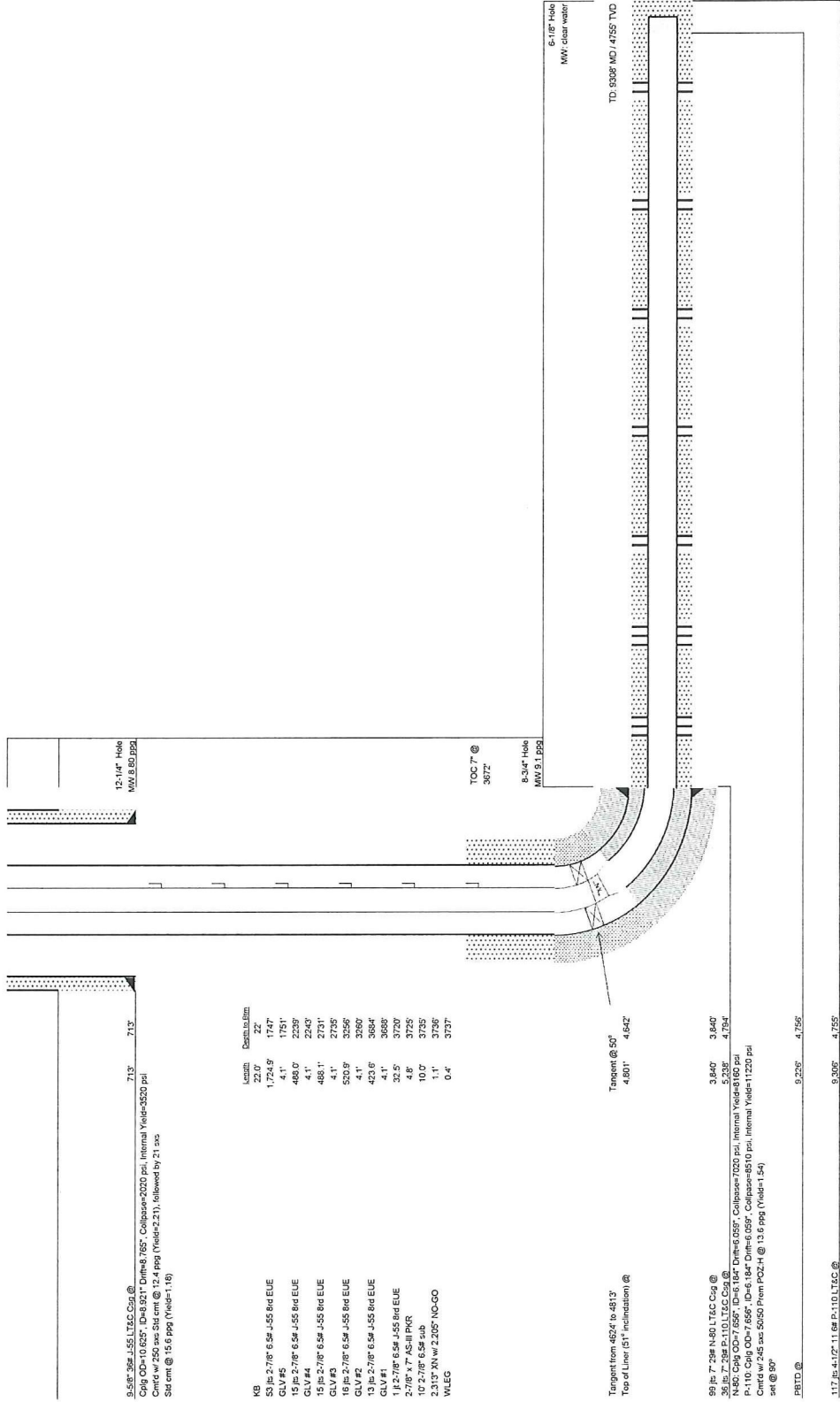
Field: Waldron West
 County: Harper
 State: KS
 Well: Cynthia 1-14H
 Location: SEC 14, T19P 35S, R3E 6W
 Elevations: 1247 KB, 1225 GL

Original Completion ()	Current (X)	Proposed
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15-077-21754-01-00
 API No.

MD TVD

Well Bore Data



Location	Depth (ft)	MD (ft)	TVD (ft)
KB	22.0'	22'	22'
53 IS 2-7/8\" J-55 J-55 Sid ELUE	1,724.5'	1747'	1747'
GLV #5	4.1'	1751'	1751'
15 IS 2-7/8\" J-55 Sid ELUE	488.0'	2239'	2239'
GLV #4	4.1'	2243'	2243'
15 IS 2-7/8\" J-55 Sid ELUE	488.1'	2731'	2731'
GLV #3	4.1'	2735'	2735'
15 IS 2-7/8\" J-55 Sid ELUE	505.9'	3229'	3229'
GLV #2	4.1'	3233'	3233'
15 IS 2-7/8\" J-55 Sid ELUE	423.6'	3694'	3694'
GLV #1	4.1'	3698'	3698'
1 1/2-2 7/8\" J-55 J-55 Sid ELUE	32.5'	3720'	3720'
2-7/8\" x 7\" AS-III PKR	4.8'	3725'	3725'
1 1/2-2 7/8\" J-55 sub	10.0'	3735'	3735'
2.31\" XN w 2.205\" NO-GO	1.1'	3736'	3736'
WLEG	0.4'	3737'	3737'

9.58\" J-55 L7&C Cas @ 713' 713'
 Cplg OD=10.625\", ID=8.921\", Dtm=8.785\", Collapse=2020 psi, Internal Yield=3520 psi
 Cmt's w 250 sac SHI cmt @ 12.4 ppg (Yield=2.21), followed by 21 sac
 SHI cmt @ 15.6 ppg (Yield=1.16)

TOC 7\" @ 3812'
 8-3/4\" Hole MV 8.1 PPS
 6-1/8\" Hole MW clear water
 TD: 5338' MD 4755' TVD

Top of Liner (51\" inclination) @ 4801' -4.642'
 Tapered to 50\"

99 IS 7\" 200 N-80 L7&C Cas @ 9.840' 9.840'
 36 IS 7\" 200 P-110 L7&C Cas @ 5.238' 5.238'
 N-80 Cplg OD=7.856\", ID=6.184\", Dtm=6.059\", Collapse=7020 psi, Internal Yield=8160 psi
 P-110 Cplg OD=7.856\", ID=6.184\", Dtm=6.059\", Collapse=8510 psi, Internal Yield=11220 psi
 Cmt's w 245 sac 50/50 Prem PZC-H @ 13.6 ppg (Yield=1.54) set @ 90°
 FBTD @ 9.256' 4.756'
 117 IS 4-1/2\" 11.68 P-110 L7&C Cas @ 9.300' 9.300'
 Cplg OD=5.007\", ID=4.000\", Dtm=3.875\", Collapse=7650 psi, Internal Yield=10650 psi
 Cmt's w 450 sac 50/50 Prem PZC-H @ 13.6 ppg (Yield=1.54)
 Bumped plug w/ 1780x, full returns, floats hold

Sandridge Energy

Harper County (KS27S)

Sec 14-T35S-R6W

Cynthia 1-14H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

29 November, 2011

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy	Local Co-ordinate Reference: Well Cynthia 1-14H
Project: Harper County (KS27S)	TVD Reference: WELL @ 0.0ft (Original Well Elev)
Site: Sec 14-T35S-R6W	MD Reference: WELL @ 0.0ft (Original Well Elev)
Well: Cynthia 1-14H	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	359.16	

Survey Program	Date 2011/11/29				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
250.0	9,308.0	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	
250.0	0.40	233.50	250.0	-0.5	-0.7	-0.5	0.16	0.16	0.00	
First Rig Survey										
503.0	0.70	233.50	503.0	-2.0	-2.7	-1.9	0.12	0.12	0.00	
713.0	0.30	233.50	713.0	-3.1	-4.1	-3.0	0.19	-0.19	0.00	
Last Rig Survey										
812.0	0.30	233.50	812.0	-3.4	-4.5	-3.3	0.00	0.00	0.00	
First MWD Survey										
1,059.0	1.00	217.20	1,059.0	-5.5	-6.4	-5.4	0.29	0.28	-6.60	
1,343.0	0.90	211.70	1,342.9	-9.3	-9.0	-9.2	0.05	-0.04	-1.94	
1,816.0	0.40	273.50	1,815.9	-12.4	-12.6	-12.2	0.17	-0.11	13.07	
2,289.0	0.60	120.90	2,288.9	-13.6	-12.2	-13.4	0.21	0.04	-32.26	
2,761.0	1.00	100.00	2,760.8	-15.6	-6.0	-15.5	0.10	0.08	-4.43	
3,232.0	2.80	100.70	3,231.6	-18.4	9.4	-18.5	0.38	0.38	0.15	
3,706.0	1.10	61.90	3,705.3	-18.4	24.8	-18.8	0.43	-0.36	-8.19	
3,758.0	1.30	59.10	3,757.3	-17.9	25.7	-18.2	0.40	0.38	-5.38	
3,801.0	1.50	46.50	3,800.3	-17.2	26.5	-17.6	0.85	0.47	-29.30	
3,833.0	2.60	3.00	3,832.2	-16.2	26.9	-16.6	5.72	3.44	-135.94	
3,864.0	5.30	350.70	3,863.2	-14.1	26.7	-14.5	9.08	8.71	-39.68	
3,896.0	6.70	352.30	3,895.0	-10.8	26.2	-11.2	4.41	4.38	5.00	
3,928.0	8.70	355.20	3,926.7	-6.5	25.7	-6.9	6.36	6.25	9.06	
3,959.0	10.60	353.00	3,957.3	-1.4	25.2	-1.7	6.24	6.13	-7.10	
3,991.0	12.00	353.50	3,988.6	4.9	24.5	4.5	4.39	4.38	1.56	
4,023.0	13.80	352.90	4,019.8	12.0	23.6	11.6	5.64	5.63	-1.88	
4,054.0	15.20	352.60	4,049.8	19.7	22.6	19.3	4.52	4.52	-0.97	
4,086.0	15.30	355.50	4,080.7	28.0	21.8	27.7	2.40	0.31	9.06	
4,118.0	16.00	356.40	4,111.5	36.6	21.2	36.3	2.32	2.19	2.81	
4,149.0	19.10	355.60	4,141.1	46.0	20.5	45.7	10.03	10.00	-2.58	
4,181.0	22.20	355.90	4,171.0	57.2	19.7	56.9	9.69	9.69	0.94	
4,213.0	24.10	355.10	4,200.4	69.8	18.7	69.5	6.02	5.94	-2.50	
4,244.0	25.30	355.40	4,228.6	82.7	17.6	82.4	3.89	3.87	0.97	
4,276.0	26.60	356.10	4,257.4	96.6	16.6	96.4	4.17	4.06	2.19	
4,308.0	29.60	355.50	4,285.6	111.7	15.5	111.4	9.42	9.38	-1.88	
4,339.0	31.70	355.10	4,312.3	127.4	14.2	127.2	6.81	6.77	-1.29	
4,371.0	32.20	354.00	4,339.4	144.3	12.5	144.1	2.40	1.56	-3.44	
4,403.0	33.50	353.00	4,366.3	161.5	10.6	161.3	4.40	4.06	-3.13	
4,434.0	35.50	352.70	4,391.9	178.9	8.4	178.8	6.47	6.45	-0.97	
4,466.0	38.20	354.40	4,417.5	198.0	6.2	197.9	9.02	8.44	5.31	

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy	Local Co-ordinate Reference: Well Cynthia 1-14H
Project: Harper County (KS27S)	TVD Reference: WELL @ 0.0ft (Original Well Elev)
Site: Sec 14-T35S-R6W	MD Reference: WELL @ 0.0ft (Original Well Elev)
Well: Cynthia 1-14H	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)
4,498.0	41.50	355.70	4,442.0	218.4	4.5	218.3	10.64	10.31	4.06
4,529.0	43.10	356.60	4,465.0	239.2	3.1	239.2	5.52	5.16	2.90
4,561.0	45.50	357.20	4,487.9	261.5	1.9	261.5	7.61	7.50	1.88
4,592.0	48.40	358.00	4,509.0	284.2	0.9	284.1	9.54	9.35	2.58
4,624.0	50.80	357.60	4,529.8	308.5	0.0	308.5	7.56	7.50	-1.25
4,656.0	51.30	357.60	4,549.9	333.4	-1.0	333.4	1.56	1.56	0.00
4,687.0	50.50	356.70	4,569.4	357.4	-2.2	357.4	3.43	-2.58	-2.90
4,719.0	49.50	356.50	4,590.0	381.9	-3.7	381.9	3.16	-3.13	-0.63
4,751.0	50.00	356.60	4,610.7	406.3	-5.2	406.3	1.58	1.56	0.31
4,781.0	51.30	357.10	4,629.7	429.4	-6.4	429.5	4.52	4.33	1.67
4,813.0	50.70	357.20	4,649.8	454.3	-7.7	454.3	1.89	-1.88	0.31
4,844.0	52.50	357.20	4,669.1	478.5	-8.9	478.6	5.81	5.81	0.00
4,876.0	55.50	358.50	4,687.9	504.4	-9.8	504.5	9.93	9.38	4.06
4,908.0	58.90	359.00	4,705.2	531.3	-10.4	531.4	10.71	10.63	1.56
4,939.0	61.50	359.90	4,720.6	558.2	-10.7	558.3	8.76	8.39	2.90
4,971.0	64.90	359.50	4,735.0	586.7	-10.8	586.8	10.68	10.63	-1.25
5,002.0	67.90	359.90	4,747.5	615.1	-11.0	615.2	9.75	9.68	1.29
5,034.0	70.20	359.90	4,758.9	645.0	-11.0	645.1	7.19	7.19	0.00
5,065.0	73.80	359.50	4,768.5	674.5	-11.2	674.6	11.68	11.61	-1.29
5,097.0	76.50	358.70	4,776.7	705.4	-11.7	705.5	8.78	8.44	-2.50
5,129.0	78.90	357.80	4,783.5	736.7	-12.6	736.8	7.99	7.50	-2.81
5,160.0	82.70	357.40	4,788.4	767.2	-13.9	767.4	12.32	12.26	-1.29
5,196.0	85.50	357.20	4,792.2	803.0	-15.6	803.2	7.80	7.78	-0.56
5,231.0	89.30	357.60	4,793.7	837.9	-17.2	838.1	10.92	10.86	1.14
5,263.0	89.40	357.20	4,794.1	869.9	-18.6	870.1	1.29	0.31	-1.25
5,294.0	89.00	357.90	4,794.5	900.9	-19.9	901.1	2.60	-1.29	2.26
5,326.0	89.60	358.40	4,794.9	932.8	-21.0	933.1	2.44	1.88	1.56
5,358.0	90.70	359.10	4,794.8	964.8	-21.7	965.1	4.07	3.44	2.19
5,390.0	90.90	359.00	4,794.4	996.8	-22.2	997.1	0.70	0.63	-0.31
5,421.0	90.60	359.00	4,794.0	1,027.8	-22.7	1,028.0	0.97	-0.97	0.00
5,484.0	91.30	358.40	4,792.9	1,090.8	-24.2	1,091.0	1.46	1.11	-0.95
5,516.0	91.10	358.70	4,792.3	1,122.8	-25.0	1,123.0	1.13	-0.63	0.94
5,610.0	91.40	358.50	4,790.2	1,216.7	-27.3	1,217.0	0.38	0.32	-0.21
5,705.0	91.60	359.30	4,787.7	1,311.7	-29.1	1,312.0	0.87	0.21	0.84
5,800.0	91.90	359.40	4,784.8	1,406.6	-30.2	1,406.9	0.33	0.32	0.11
5,894.0	90.20	358.80	4,783.1	1,500.6	-31.7	1,500.9	1.92	-1.81	-0.64
5,989.0	90.90	358.30	4,782.2	1,595.6	-34.1	1,595.9	0.91	0.74	-0.53
6,085.0	89.90	359.60	4,781.5	1,691.5	-35.8	1,691.9	1.71	-1.04	1.35
6,180.0	90.50	359.30	4,781.2	1,786.5	-36.7	1,786.9	0.71	0.63	-0.32
6,275.0	90.50	0.40	4,780.4	1,881.5	-37.0	1,881.9	1.16	0.00	1.16
6,370.0	88.90	1.10	4,780.9	1,976.5	-35.7	1,976.8	1.84	-1.68	0.74
6,465.0	89.50	0.60	4,782.2	2,071.5	-34.3	2,071.8	0.82	0.63	-0.53
6,560.0	90.20	0.60	4,782.4	2,166.5	-33.3	2,166.7	0.74	0.74	0.00
6,655.0	91.60	1.30	4,780.9	2,261.5	-31.8	2,261.7	1.65	1.47	0.74
6,750.0	90.90	1.50	4,778.9	2,356.4	-29.4	2,356.6	0.77	-0.74	0.21
6,845.0	90.60	1.30	4,777.6	2,451.4	-27.1	2,451.5	0.38	-0.32	-0.21
6,940.0	91.80	0.60	4,775.6	2,546.3	-25.5	2,546.4	1.46	1.26	-0.74
7,035.0	90.80	359.80	4,773.5	2,641.3	-25.2	2,641.4	1.35	-1.05	-0.84
7,130.0	90.70	359.90	4,772.2	2,736.3	-25.5	2,736.4	0.15	-0.11	0.11
7,226.0	89.80	359.70	4,771.8	2,832.3	-25.8	2,832.4	0.96	-0.94	-0.21
7,321.0	89.80	358.40	4,772.2	2,927.3	-27.4	2,927.4	1.37	0.00	-1.37
7,416.0	91.20	358.10	4,771.3	3,022.2	-30.3	3,022.4	1.51	1.47	-0.32
7,511.0	91.60	357.10	4,769.0	3,117.1	-34.2	3,117.3	1.13	0.42	-1.05
7,606.0	90.70	357.80	4,767.1	3,212.0	-38.5	3,212.2	1.20	-0.95	0.74

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy
Project: Harper County (KS27S)
Site: Sec 14-T35S-R6W
Well: Cynthia 1-14H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Cynthia 1-14H
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

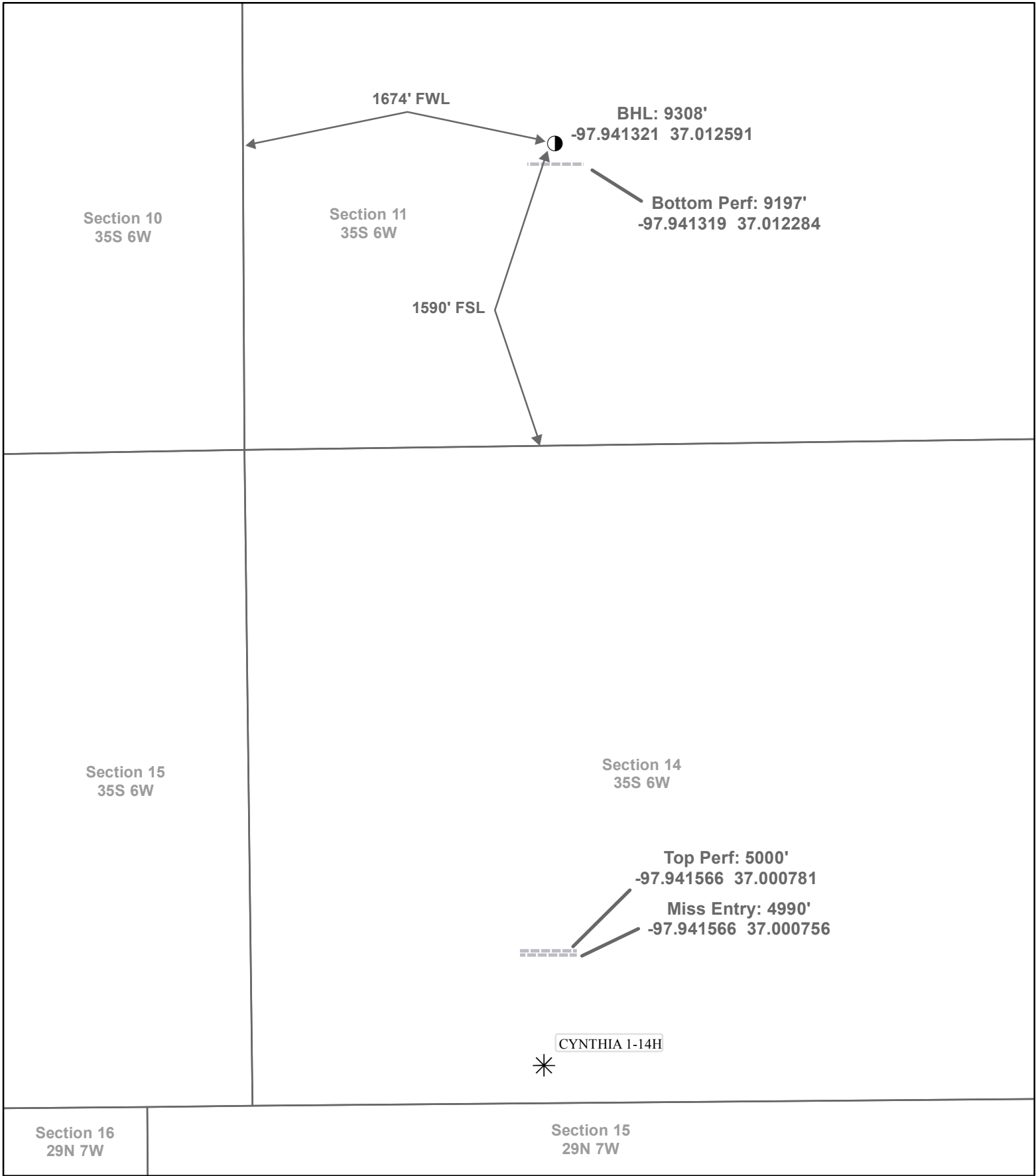
Survey


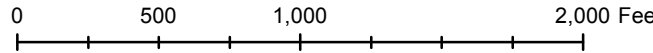

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,701.0	90.50	359.10	4,766.1	3,307.0	-41.0	3,307.2	1.38	-0.21	1.37
7,796.0	91.50	358.90	4,764.4	3,401.9	-42.7	3,402.2	1.07	1.05	-0.21
7,891.0	90.70	358.30	4,762.6	3,496.9	-45.0	3,497.2	1.05	-0.84	-0.63
7,986.0	90.30	357.60	4,761.8	3,591.8	-48.4	3,592.1	0.85	-0.42	-0.74
8,081.0	90.80	357.70	4,760.9	3,686.7	-52.3	3,687.1	0.54	0.53	0.11
8,176.0	90.80	357.40	4,759.6	3,781.6	-56.4	3,782.1	0.32	0.00	-0.32
8,272.0	89.60	359.90	4,759.2	3,877.6	-58.6	3,878.0	2.89	-1.25	2.60
8,367.0	90.20	359.50	4,759.4	3,972.6	-59.1	3,973.0	0.76	0.63	-0.42
8,461.0	90.20	0.20	4,759.1	4,066.6	-59.4	4,067.0	0.74	0.00	0.74
8,556.0	90.90	359.90	4,758.1	4,161.6	-59.3	4,162.0	0.80	0.74	-0.32
8,651.0	90.40	0.40	4,757.1	4,256.6	-59.0	4,257.0	0.74	-0.53	0.53
8,745.0	90.10	359.90	4,756.7	4,350.6	-58.8	4,351.0	0.62	-0.32	-0.53
8,840.0	90.10	359.90	4,756.5	4,445.6	-59.0	4,446.0	0.00	0.00	0.00
8,935.0	90.30	359.60	4,756.2	4,540.6	-59.4	4,541.0	0.38	0.21	-0.32
9,030.0	90.50	359.90	4,755.5	4,635.6	-59.8	4,636.0	0.38	0.21	0.32
9,125.0	89.50	1.00	4,755.5	4,730.6	-59.0	4,730.9	1.56	-1.05	1.16
9,220.0	90.50	0.50	4,755.5	4,825.6	-57.8	4,825.9	1.18	1.05	-0.53
9,264.0	90.40	0.80	4,755.2	4,869.6	-57.3	4,869.9	0.72	-0.23	0.68
Last MWD Survey									
9,308.0	90.40	0.80	4,754.8	4,913.6	-56.7	4,913.9	0.00	0.00	0.00
Proj to TD - Cynthia 1-14H PBHL									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
250.0	250.0	-0.5	-0.7	First Rig Survey
713.0	713.0	-3.1	-4.1	Last Rig Survey
812.0	812.0	-3.4	-4.5	First MWD Survey
9,264.0	4,755.2	4,869.6	-57.3	Last MWD Survey
9,308.0	4,754.8	4,913.6	-56.7	Proj to TD

Checked By: _____ Approved By: _____ Date: _____



 <p>SANDRIDGE THE POWER OF US™</p> <p>● Actual BH Location * SandRidge Wells --- Perf □ Sections</p>	<p>Actual Bottom-Hole Location of Cynthia 1-14H Harper County, Kansas T&R: 35S 6W Section: 14 & 11, 1590' FSL & 1674' FWL Long: -97.941321 Lat: 37.012591</p> <p>1 in = 679 ft</p>	<p>Draftsman: Matt White</p> <p>Draft Date: 2/29/2012</p>		
			<p>Drawing Name/Number: Addendum_Cynthia_1-14H.mxd</p>	
			<p>Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502</p>	

Logo

Attachment successfully uploaded.

Back to Well Completion

Cynthia 1-14H (1072166)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Cementing Data OPERATOR	View PDF Delete
Wellbore Diagram OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Add Attachment

Remarks

Remarks to KCC

Add Remark

Remarks

Tiffany Golay 02/15/012 12:33 pm	Cementing Information: Casing weight was 106.5 and 18 yards of grout were used for the conductor string.
Tiffany Golay 01/26/012 02:40 pm	Drilling Fluid Mgmt Plan: 7480 additional bbls hauled to soil farm- no lease name or number; Triple C So Farming is using a leased pasture. North 1/2 of Section 14 Township 29N Range 10W Alfalfa Co., OK Permit # 18893

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 01, 2012

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

Re: ACO-1
API 15-077-21754-01-00
Cynthia 1-14H
SW/4 Sec.14-35S-06W
Harper County, Kansas

Dear Tiffany Golay:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/01/2011 and the ACO-1 was received on March 01, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department