Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1093201

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: William Scott
Purchaser: NCRA (oil)

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 #:

8/17/2012	9/9/2012	9/12/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20387-01-00
Spot Description:
SE - SW - SW - SW Sec. 17 Twp. 26 S. R. 29 ☐ East ☑ West
220 Feet from ☐ North / ☑ South Line of Section
400 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gray
Lease Name: Unruh 2629 Well #: 1-17H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2732 Kelly Bushing: 2752
Total Vertical Depth: 9320 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1575 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: 12000 ppm Fluid volume: 7170 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Chaosland Disposal
Lease Name: Unnamed License #: 99999
Quarter SE Sec. 33 Twp. 29 S. R. 37 ☐ East ☑ West
County: Grant Permit #: KDH 890

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: 12/13/2012
☑ **Confidential Release Date:** 12/13/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 12/14/2012

1093201

Operator Name: SandRidge Exploration and Production LLC Lease Name: Unruh 2629 Well #: 1-17H

Sec. 17 Twp. 26 S. R. 29 ☐ East ☑ West County: Gray

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

DPC Induction
DPC Density
DPC Spectral

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	4098	
Lansing	4169	
Marmaton	4631	
Fort Scott	4732	
Cherokee	4750	
Mississippian	4891	

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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	-			
	-			

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
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 10/6/2012

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

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Unruh 2629 1-17H
Doc ID	1093201

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8947-9203	6092 bbls water, 36 bbls acid, 101M lbs sd, 61258 TLTR	
6	8580-8830	5232 bbls water, 36 bbls acid, 100M lbs sd, 11518 TLTR	
6	8180-8460	5335 bbls water, 36 bbls acid, 100M lbs sd, 16889 TLTR	
6	7783-8040	5179 bbls water, 36 bbls acid, 100M lbs sd, 22232 TLTR	
6	7440-7680	5338 bbls water, 36 bbls acid, 100M lbs sd, 27696 TLTR	
6	7100-7336	5295 bbls water, 36 bbls acid, 86M lbs sd, 33109 TLTR	
6	6730-6980	5146 bbls water, 36 bbls acid, 99M lbs sd, 38359 TLTR	
6	6374-6635	5271 bbls water, 36 bbls acid, 101M lbssd, 43724 TLTR	
6	6046-6257	5243 bbls water, 36 bbls acid, 100M lbs sd, 49041 TLTR	
6	5590-5900	5222 bbls water, 36 bbls acid, 100M lbs sd, 54327 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Unruh 2629 1-17H
Doc ID	1093201

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5271-5510	4881 bbls water, 36 bbls acid, 101M lbs sd, 59262 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Unruh 2629 1-17H
Doc ID	1093201

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	120	4500 PSI concrete	12	none
Surface	12.25	9.63	36	1575	Halliburtion Extendacem and Swiftcem Systems	580	3% Calcium Chloride, .25lbm Poly-E-Flake
Intermediate	8.75	7	26	5364	Halliburtion Econocem and Halcem Systems	300	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9320	Halliburtion Econocem System	450	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

September 11, 2012

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

Re: ACO1
API 15-069-20387-01-00
Unruh 2629 1-17H
SW/4 Sec.17-26S-29W
Gray 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

PRO OILFIELD SERVICES, LLC

Conductor, Rat and Mouse Hole Drilling Services

Ticket

Company: Sandridge

Date: 8/18/2012

Drill Rig:	Location:	Lease Name:
Lariate 20	Ford County	Unruh 2629 #1-17H DC12325

120' of 30" Drilled Conductor Hole
120' of 20" Conductor Pipe(.250 wall) 82ppf
6'x6' Cellar Tinhorn W/Protective Ring
Drill & Install cellar
75' of 20" Drilled Moushole
75' of 16" Moushole Pipe
Mobilization of Equipment & Road Permitting Fee
Welding Services for Pipe & Lids
Provided Equipment & Labor for Dirt Removal
Provided Personal to Facilitate Diggtess(One Call)
Provide Metal for Lids(1 for the Conductor and 2 for the Mouse hole pipe)
12 Yards of 4500PSI concrete Poured down the back side of Conductor Pipe

AFE Number: DC12325
Well Name: Unruh 2629 1-17H
Code: 850.010
Amount: 28,680.00
Co. Man: [signature]
Co. Man Sig.: [signature]
Notes:

Comments:)
Thank You For Your Business
If a caving formation and (or) water is found addition fee(s) will be add to cover the cost of tank trucks, vacuum trucks, and cement pump trucks. Prices figured on non-rocky soil conditions, if rock is present then there will be a surcharge.

Total $28,680.00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2947611	**Quote #:**	**Sales Order #:** 9769100
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Bence, Scott	
Well Name: Unruh 2629	**Well #:** 1-17H		**API/UWI #:**
Field:	**City (SAP):** INGALLS	**County/Parish:** Gray	**State:** Kansas
Legal Description: Section 17 Township 26S Range 29W			
Contractor: Lariat	**Rig/Platform Name/Num:** 20		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** KLAUSE, JOHN	**MBU ID Emp #:** 456246	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	20	267804	JOURNAGAN, MICHAEL D	20	524224	KLAUSE, JOHN David	20	456246
WIFA, HENRY Neniebari	20	491916						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10990703	70 mile	10995019	70 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8-25	6	0	8-26	13	6			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1550. ft	**Job Depth TVD**	1550. ft		
Water Depth		**Wk Ht Above Floor**			
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	8-25	1100	
On Location	8-25	1800	
Job Started	8-26	0800	
Job Completed	8-26	1030	GMT
Departed Loc	8-26	1230	

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				.	1550.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1550.		

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

HALLIBURTON

Cementing Job Summary

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
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	400.0	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)	180.0	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 (TBC)	FRESH WATER	117.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	117	Shut In: Instant	1268	Lost Returns	0	Cement Slurry	151/47	Pad	
Top Of Cement	SURFACE	5 Min	X	Cement Returns	67	Actual Displacement	117	Treatment	
Frac Gradient	NA	15 Min		Spacers	10	Load and Breakdown	NA	Total Job	

Rates

Circulating	5	Mixing	6	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 #:** 2947611	**Quote #:**	**Sales Order #:** 9789550
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Bence, Scott	
Well Name: Unruh 2629	**Well #:** 1-17H		**API/UWI #:**
Field:	**City (SAP):** INGALLS	**County/Parish:** Gray	**State:** Kansas
Legal Description: Section 17 Township 26S Range 29W			
Contractor: LARIAT	**Rig/Platform Name/Num:** 20		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	**Job Type:** Cement Intermediate Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** AGUILERA, FABIAN	**MBU ID Emp #:** 442123	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	10.5	442123	CARRILLO, EDUARDO Carrillo	2.0	371263	HEIDT, JAMES Nicholas	10.5	517102
LUNA, JOSE A	2.0	480456	NORTON, BRUCE Wayne	12.5	499926			

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
9/03/2012	10.5	1.5						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	5367. ft	**Job Depth TVD**	5367. ft
Water Depth		**Wk Ht Above Floor**	6. ft
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	03 - Sep - 2012	08:00	CST
On Location	03 - Sep - 2012	10:30	CST
Job Started	03 - Sep - 2012	17:20	CST
Job Completed	03 - Sep - 2012	18:36	CST
Departed Loc	03 - Sep - 2012	22:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1550.	5409.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5409.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1550.		

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			
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

HALLIBURTON

Cementing Job Summary

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
1	Gel Spacer (Provided by Rig)		30.00	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, 50 LB BAG (100064232)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.18	5.2		5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement		202.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	202 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	76 BBL	Pad	
Top Of Cement	2662 FT	5 Min		Cement Returns	0	Actual Displacement	202 BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	

Rates							
Circulating	3	Mixing	5	Displacement	6	Avg. Job	4

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 #:** 2947611	**Quote #:**	**Sales Order #:** 9807099
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Smith, Pat	
Well Name: Unruh 2629	**Well #:** 1-17H		**API/UWI #:**
Field:	**City (SAP):** INGALLS	**County/Parish:** Gray	**State:** Kansas
Legal Description: Section 17 Township 26S Range 29W			
Contractor: Lariat	**Rig/Platform Name/Num:** 20		
Job Purpose: Cement Production Liner			
Well Type: Development Well	**Job Type:** Cement Production Liner		
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 #
CLEMENS, ANTHONY Jason	4.5	198516	JOHNSON, PIERCE	4.5	525965	MARTINEZ, RUDY	4.5	512317
RODRIGUEZ, EDGAR Alejandro	4.5	442125	TORRES, CLEMENTE	4.5	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
9/10/2012	4	3	9/11/2012	0.5	0			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	9325. ft	**Job Depth TVD**	9320. ft
Water Depth		**Wk Ht Above Floor**	7. ft
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	10 - Sep - 2012	12:00	CST
On Location	10 - Sep - 2012	16:30	CST
Job Started	10 - Sep - 2012	21:52	CST
Job Completed	10 - Sep - 2012	22:59	CST
Departed Loc	11 - Sep - 2012	00:30	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
6.125" Open Hole				6.125				5364.	9321.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5409.	9320.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5364.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5008.		

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Gel Spacer (Provided by Rig)		30.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement (TBC)		112.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	112	Shut In: Instant		Lost Returns		Cement Slurry	123	Pad	
Top Of Cement	2393	5 Min		Cement Returns		Actual Displacement	112	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	265

Rates							
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5

Cement Left In Pipe	Amount	84.88 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

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
Unruh 2629 1-17H	1.45						9/12/12
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
0	0	0		0.00	0.00	0.00	0.00			
1621	2	350	1621	1,620.81	20.81	20.91	-3.61	0.09	0.09	21.60
1908	2	18	287	1,907.71	28.34	28.42	-3.01	0.26	0.03	-115.75
2386	1	9	478	2,385.61	38.04	38.06	-0.41	0.17	-0.17	-1.80
2864	1	8	478	2,863.56	44.24	44.25	0.53	0.02	-0.02	-0.36
3340	1	354	476	3,339.52	50.84	50.85	0.55	0.06	0.04	72.82
3529	1	351	189	3,528.50	53.61	53.62	0.18	0.06	-0.05	-2.01
3622	1	339	93	3,621.49	54.85	54.87	-0.16	0.18	0.00	-12.69
3716	1	348	94	3,715.48	56.17	56.20	-0.55	0.18	0.11	9.89
3810	1	351	94	3,809.47	57.61	57.65	-0.82	0.05	0.00	2.87
3905	1	347	95	3,904.45	59.15	59.20	-1.13	0.12	0.11	-3.47
4000	1	336	95	3,999.44	60.86	60.92	-1.70	0.31	0.21	-11.58
4063	2	331	63	4,062.42	62.21	62.29	-2.40	0.67	0.63	-9.21
4095	3	349	32	4,094.39	63.44	63.53	-2.78	5.19	4.69	57.50
4127	6	357	32	4,126.30	65.81	65.91	-3.04	7.70	7.50	24.06
4158	8	359	31	4,157.09	69.34	69.44	-3.16	6.83	6.77	7.74
4189	10	359	31	4,187.74	74.00	74.10	-3.22	6.77	6.77	0.32
4221	12	359	32	4,219.18	79.94	80.05	-3.32	6.25	6.25	-0.62
4253	14	1	32	4,250.40	86.94	87.05	-3.32	6.08	5.94	#######
4284	16	3	31	4,280.39	94.78	94.89	-3.08	6.90	6.77	5.16
4315	18	3	31	4,310.08	103.71	103.81	-2.61	6.83	6.77	2.90
4347	19	2	32	4,340.41	113.89	113.98	-2.16	4.98	4.69	-5.31
4378	21	0	31	4,369.52	124.54	124.63	-2.00	5.46	5.16	-5.16
4411	23	360	33	4,400.14	136.84	136.94	-2.03	6.08	6.06	1,089.70
4443	24	1	32	4,429.48	149.62	149.72	-1.93	4.42	4.06	#######
4475	26	1	32	4,458.44	163.22	163.32	-1.73	5.97	5.94	-1.56
4508	29	1	33	4,487.74	178.41	178.50	-1.51	7.91	7.88	1.52
4539	31	2	31	4,514.68	193.74	193.83	-1.11	6.23	6.13	2.26
4571	33	3	32	4,541.89	210.58	210.65	-0.43	7.37	7.19	3.13
4603	35	2	32	4,568.40	228.49	228.56	0.30	7.36	7.19	-2.81
4634	38	2	31	4,593.35	246.88	246.94	0.84	7.78	7.74	-1.29
4666	40	0	32	4,618.36	266.85	266.90	1.11	6.82	6.25	-4.38
4699	42	2	33	4,643.30	288.45	288.50	1.48	8.57	7.88	5.15
4730	44	3	31	4,665.86	309.70	309.75	2.28	7.26	7.10	2.26
4762	46	3	32	4,688.39	332.42	332.45	3.33	5.35	5.31	0.94
4794	46	3	32	4,710.59	355.46	355.46	4.50	0.55	-0.31	0.63
4826	46	3	32	4,732.88	378.41	378.38	5.72	0.96	-0.94	0.31
4858	45	3	32	4,755.31	401.22	401.17	6.93	1.27	-1.25	-0.31
4890	45	2	32	4,777.86	423.92	423.86	7.98	1.67	-0.62	-2.19
4921	45	3	31	4,799.69	445.94	445.85	8.92	1.19	0.97	0.97
4953	47	3	32	4,821.77	469.08	468.98	9.95	5.94	5.94	-0.31
4984	51	3	31	4,842.13	492.45	492.33	10.99	10.65	10.65	0.32
5016	53	2	32	4,861.85	517.65	517.51	11.94	8.72	8.44	-2.81
5047	56	1	31	4,879.72	542.98	542.83	12.62	9.71	9.68	-0.97
5080	59	1	33	4,897.28	570.91	570.76	13.18	9.48	9.39	-1.52
5112	62	0	32	4,912.86	598.85	598.71	13.47	9.21	9.06	-1.88
5144	66	0	32	4,926.89	627.61	627.46	13.59	10.63	10.63	-0.31
5175	69	1	31	4,938.72	656.25	656.10	13.97	12.38	11.94	3.55
5207	72	1	32	4,949.30	686.45	686.30	14.61	8.15	8.12	-0.63
5239	74	2	32	4,958.65	717.05	716.89	15.33	6.43	6.25	1.56
5271	78	1	32	4,966.50	748.06	747.90	16.11	11.29	11.25	-0.94
5303	81	2	32	4,972.39	779.51	779.33	17.02	11.45	11.25	2.19
5335	83	2	32	4,976.68	811.22	811.02	18.04	6.94	6.88	-0.94
5358	85	2	23	4,979.10	834.09	833.88	18.86	5.66	4.78	3.04
5389	87	2	31	4,981.34	865.00	864.77	20.13	8.72	8.71	-0.32
5421	90	3	32	4,982.12	896.98	896.72	21.61	9.02	8.75	2.19
5517	92	4	96	4,980.62	992.92	992.55	27.05	1.95	1.88	0.52

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
Unruh 2629 1-17H	1.45						9/12/12
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
5549	92	4	32	4,979.44	1,024.87	1,024.46	29.11	2.25	1.88	1.25
5580	91	3	31	4,978.42	1,055.83	1,055.38	31.08	3.61	-3.23	-1.61
5613	91	3	33	4,977.73	1,088.81	1,088.33	32.90	1.94	-1.21	-1.52
5644	91	2	31	4,977.10	1,119.80	1,119.29	34.33	1.88	0.97	-1.61
5676	90	3	32	4,976.85	1,151.79	1,151.25	35.89	5.87	-5.31	2.50
5708	90	3	32	4,977.08	1,183.77	1,183.20	37.68	0.00	0.00	0.00
5739	90	4	31	4,977.26	1,214.75	1,214.14	39.52	1.33	0.32	1.29
5770	90	4	31	4,977.45	1,245.73	1,245.08	41.49	0.46	-0.32	0.32
5802	90	4	32	4,977.71	1,277.70	1,277.01	43.53	0.44	-0.31	-0.31
5834	89	4	32	4,978.04	1,309.68	1,308.95	45.57	0.70	-0.63	0.31
5866	89	3	32	4,978.60	1,341.65	1,340.88	47.52	2.25	-1.87	-1.25
5898	89	2	32	4,979.32	1,373.63	1,372.83	49.11	2.81	0.00	-2.81
5931	89	2	33	4,980.07	1,406.62	1,405.80	50.26	2.42	0.00	-2.42
5963	89	2	32	4,980.83	1,438.61	1,437.78	51.13	0.44	-0.31	-0.31
5995	89	1	32	4,981.39	1,470.61	1,469.77	51.91	2.58	2.50	-0.63
6027	90	1	32	4,981.69	1,502.61	1,501.76	52.47	1.90	0.31	-1.88
6058	90	0	31	4,981.88	1,533.60	1,532.76	52.76	1.37	0.97	-0.97
6089	90	1	31	4,981.88	1,564.60	1,563.76	53.14	2.33	1.29	1.94
6121	91	1	32	4,981.69	1,596.60	1,595.75	53.78	1.33	0.94	0.94
6152	91	1	31	4,981.31	1,627.60	1,626.74	54.49	1.29	1.29	0.00
6183	91	2	31	4,980.69	1,658.59	1,657.72	55.43	3.32	1.61	2.90
6215	91	1	32	4,979.93	1,690.58	1,689.69	56.41	2.83	-0.31	-2.81
6247	90	0	32	4,979.71	1,722.58	1,721.69	56.86	6.43	-5.62	-3.13
6278	90	360	31	4,979.98	1,753.56	1,752.69	56.88	1.61	0.00	1,159.68
6309	90	360	31	4,980.20	1,784.55	1,783.69	56.80	0.72	0.65	0.32
6341	89	360	32	4,980.45	1,816.54	1,815.69	56.78	0.99	-0.94	0.31
6373	89	360	32	4,980.84	1,848.53	1,847.68	56.78	0.62	-0.63	0.00
6404	89	0	31	4,981.27	1,879.52	1,878.68	56.86	0.97	0.00	########
6436	89	360	32	4,981.80	1,911.50	1,910.68	56.91	1.56	-0.94	1,123.75
6468	89	360	32	4,982.47	1,943.48	1,942.67	56.86	0.62	-0.63	0.00
6500	88	360	32	4,983.31	1,975.46	1,974.66	56.77	1.29	-1.25	-0.31
6531	89	359	31	4,984.09	2,006.43	2,005.65	56.53	2.28	1.61	-1.61
6563	89	360	32	4,984.76	2,038.41	2,037.64	56.25	1.25	0.00	1.25
6594	89	360	31	4,985.47	2,069.39	2,068.63	56.12	0.72	-0.65	0.32
6626	89	360	32	4,986.19	2,101.37	2,100.62	56.00	0.62	0.63	0.00
6658	89	0	32	4,986.84	2,133.35	2,132.61	56.03	1.59	0.31	########
6690	90	1	32	4,987.25	2,165.34	2,164.61	56.34	2.69	2.19	1.56
6721	92	3	31	4,986.93	2,196.34	2,195.59	57.26	8.68	6.45	5.81
6753	92	3	32	4,985.92	2,228.31	2,227.54	58.79	1.56	1.25	0.94
6785	91	3	32	4,985.00	2,260.29	2,259.48	60.49	2.38	-2.19	0.94
6817	91	3	32	4,984.36	2,292.27	2,291.43	62.20	1.33	-0.94	-0.94
6850	90	3	33	4,983.96	2,325.26	2,324.38	63.84	1.84	-1.82	-0.30
6881	90	4	31	4,983.85	2,356.24	2,355.33	65.62	3.47	-1.29	3.23
6913	90	5	32	4,983.91	2,388.20	2,387.25	67.97	2.58	-0.63	2.50
6944	90	4	31	4,983.96	2,419.16	2,418.15	70.37	1.16	0.65	-0.97
6976	90	3	32	4,984.04	2,451.13	2,450.09	72.41	4.17	-0.94	-4.06
7007	90	2	31	4,984.23	2,482.13	2,481.06	73.68	4.21	-0.32	-4.19
7039	91	2	32	4,984.06	2,514.13	2,513.05	74.60	4.39	4.38	-0.31
7070	90	2	31	4,983.69	2,545.12	2,544.03	75.49	1.96	-1.94	0.32
7103	90	2	33	4,983.57	2,578.12	2,577.02	76.41	1.36	-1.21	-0.61
7134	90	2	31	4,983.63	2,609.12	2,608.01	77.25	0.72	-0.65	0.32
7166	90	0	32	4,983.63	2,641.12	2,640.00	77.81	3.95	1.25	-3.75
7198	90	0	32	4,983.46	2,673.12	2,672.00	78.03	0.62	0.63	0.00
7230	91	0	32	4,983.21	2,705.11	2,704.00	78.20	0.70	0.31	-0.63
7261	91	1	31	4,982.94	2,736.10	2,735.00	78.45	1.61	0.00	1.61
7293	90	0	32	4,982.71	2,768.10	2,766.99	78.73	1.40	-0.63	-1.25
7325	90	1	32	4,982.57	2,800.09	2,798.99	78.98	0.99	-0.31	0.94

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	*Target Direction*	*Slot Coordinate*	*N / S*	*E / W*	*Hole Size*	*Calculation by*	*Date*
Unruh 2629 1-17H	1.45						9/12/12
Job Number	*Type of Survey*	*Tie-in Point*				*Directional Co.*	
0							

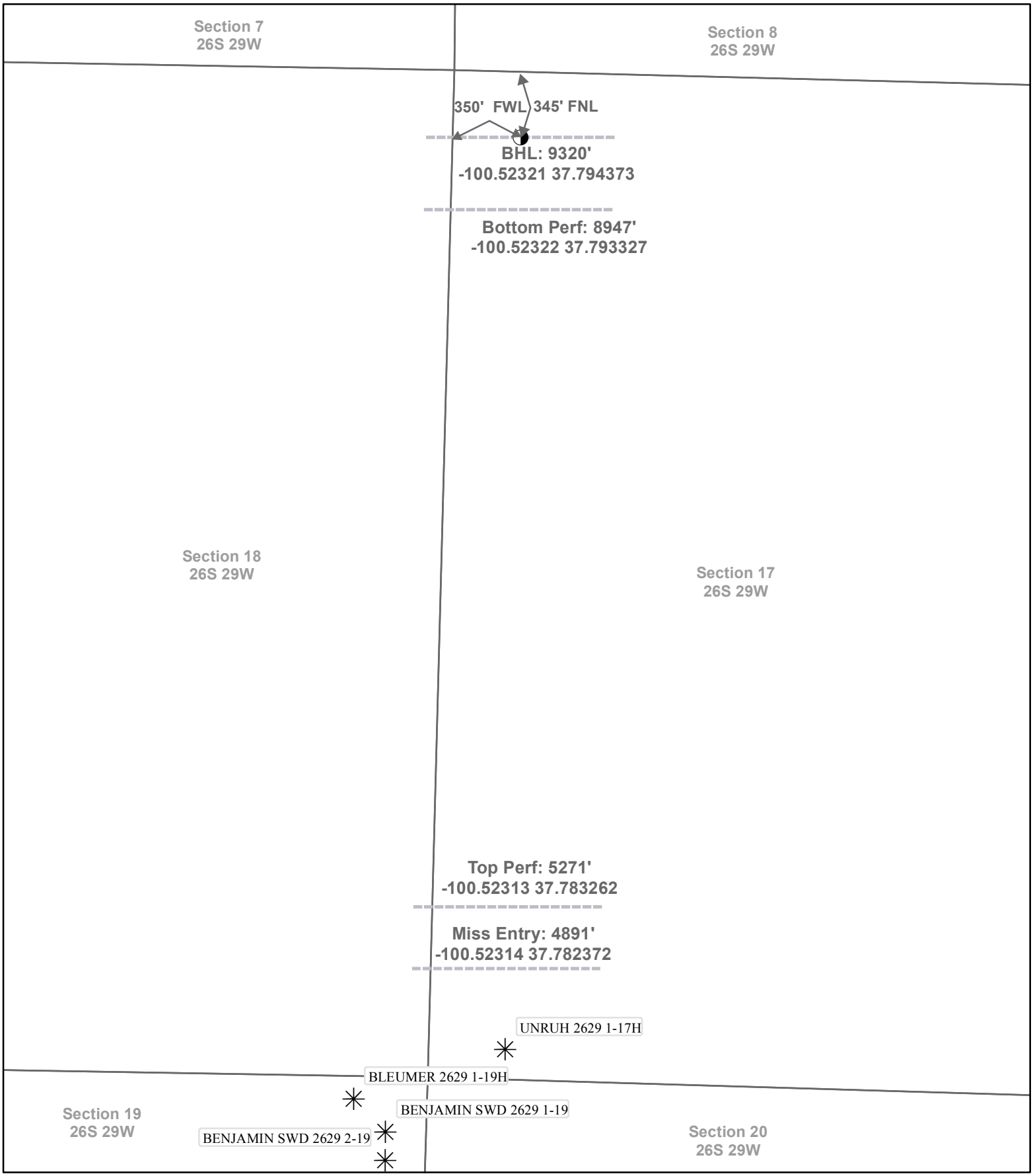
Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
7357	90	0	32	4,982.49	2,832.09	2,830.99	79.23	0.99	-0.31	-0.94
7389	90	0	32	4,982.38	2,864.08	2,862.99	79.37	0.70	0.63	-0.31
7420	91	360	31	4,982.16	2,895.07	2,893.99	79.31	2.04	0.65	1,159.35
7451	90	360	31	4,982.00	2,926.06	2,924.99	79.20	1.82	-1.29	1.29
7483	90	0	32	4,981.89	2,958.05	2,956.99	79.29	1.13	0.63	########
7515	91	1	32	4,981.66	2,990.04	2,988.99	79.57	1.40	0.63	1.25
7546	90	1	31	4,981.50	3,021.04	3,019.98	80.05	1.82	-1.29	1.29
7578	90	1	32	4,981.50	3,053.04	3,051.98	80.56	1.40	-0.62	-1.25
7610	90	1	32	4,981.53	3,085.04	3,083.97	80.98	0.44	0.31	0.31
7641	90	1	31	4,981.50	3,116.04	3,114.97	81.52	1.33	0.32	1.29
7673	91	2	32	4,981.33	3,148.03	3,146.96	82.47	3.37	1.25	3.13
7705	91	2	32	4,981.03	3,180.03	3,178.93	83.64	0.70	0.31	-0.63
7736	91	2	31	4,980.51	3,211.02	3,209.91	84.67	2.35	2.26	-0.65
7768	91	2	32	4,979.87	3,243.02	3,241.89	85.70	0.99	-0.94	0.31
7800	91	2	32	4,979.31	3,275.01	3,273.86	86.87	1.25	0.00	1.25
7863	89	1	63	4,979.48	3,338.00	3,336.83	88.80	4.05	-3.65	-1.75
7895	89	360	32	4,980.23	3,369.99	3,368.82	89.10	4.07	-0.31	1,120.94
7926	91	1	31	4,980.37	3,400.98	3,399.81	89.27	7.86	7.42	########
7959	92	360	33	4,979.45	3,433.96	3,432.80	89.44	4.89	4.24	1,088.48
7990	92	358	31	4,978.31	3,464.91	3,463.77	88.95	5.32	-1.29	-5.16
8022	92	358	32	4,977.28	3,496.85	3,495.74	88.03	0.44	-0.31	0.31
8053	92	359	31	4,976.25	3,527.79	3,526.71	87.19	0.72	0.65	0.32
8085	92	358	32	4,975.16	3,559.72	3,558.68	86.24	1.29	-0.31	-1.25
8116	92	358	31	4,974.19	3,590.66	3,589.65	85.30	1.16	-0.65	0.97
8148	92	359	32	4,973.24	3,622.61	3,621.63	84.54	1.56	0.00	1.56
8179	92	359	31	4,972.21	3,653.56	3,652.61	83.98	1.33	1.29	0.32
8211	92	359	32	4,970.95	3,685.51	3,684.58	83.36	1.13	0.94	-0.62
8243	93	358	32	4,969.58	3,717.43	3,716.53	82.53	1.90	0.31	-1.88
8275	91	358	32	4,968.52	3,749.36	3,748.50	81.44	3.87	-3.75	-0.94
8306	91	358	31	4,967.87	3,780.29	3,779.47	80.22	1.16	-0.65	-0.97
8338	91	358	32	4,967.29	3,812.21	3,811.43	78.91	0.44	-0.31	0.31
8370	90	358	32	4,967.04	3,844.15	3,843.41	77.74	3.66	-3.44	1.25
8402	90	358	32	4,967.12	3,876.10	3,875.40	76.70	0.44	-0.31	0.31
8433	90	358	31	4,967.26	3,907.04	3,906.38	75.68	0.72	-0.32	-0.65
8465	90	358	32	4,967.34	3,938.99	3,938.36	74.59	0.99	0.94	0.31
8496	90	359	31	4,967.37	3,969.95	3,969.35	73.80	2.92	-0.32	2.90
8528	90	360	32	4,967.45	4,001.93	4,001.35	73.52	3.14	-0.31	3.13
8560	90	360	32	4,967.53	4,033.92	4,033.35	73.47	0.70	0.31	-0.62
8591	90	360	31	4,967.59	4,064.91	4,064.35	73.41	0.65	0.00	0.65
8623	90	360	32	4,967.64	4,096.89	4,096.35	73.33	0.94	0.00	-0.94
8654	90	360	31	4,967.72	4,127.88	4,127.35	73.11	0.72	-0.32	-0.65
8686	90	359	32	4,967.89	4,159.85	4,159.34	72.72	1.40	-0.63	-1.25
8718	90	359	32	4,968.14	4,191.82	4,191.34	72.14	0.99	-0.31	-0.94
8749	91	359	31	4,968.14	4,222.79	4,222.33	71.62	3.61	3.23	1.61
8781	91	360	32	4,967.64	4,254.77	4,254.33	71.37	2.95	2.50	1.56
8812	91	0	31	4,966.96	4,285.76	4,285.32	71.37	1.33	-0.32	########
8845	91	360	33	4,966.30	4,318.74	4,318.31	71.37	1.25	-0.30	1,089.70
8876	91	360	31	4,965.79	4,349.72	4,349.31	71.23	1.02	-0.97	-0.32
8908	91	0	32	4,965.31	4,381.71	4,381.30	71.21	1.59	0.31	########
8939	91	1	31	4,964.94	4,412.70	4,412.30	71.61	3.78	-1.29	3.55
8971	91	2	32	4,964.66	4,444.70	4,444.28	72.53	2.19	0.00	2.19
9003	90	2	32	4,964.40	4,476.70	4,476.26	73.71	0.70	-0.31	0.63
9034	91	2	31	4,964.13	4,507.69	4,507.24	74.90	0.65	0.65	0.00
9066	91	2	32	4,963.80	4,539.69	4,539.21	76.10	0.31	0.00	-0.31
9097	91	2	31	4,963.45	4,570.68	4,570.19	77.29	0.72	0.32	0.65
9130	91	2	33	4,962.99	4,603.68	4,603.16	78.44	1.92	0.61	-1.82
9161	91	2	31	4,962.47	4,634.67	4,634.15	79.36	0.32	0.32	0.00

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	*Target Direction*	*Slot Coordinate*	*N / S*	*E / W*	*Hole Size*	*Calculation by*	*Date*
Unruh 2629 1-17H	1.45						9/12/12
Job Number	*Type of Survey*	*Tie-in Point*				*Directional Co.*	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
9194	91	2	33	4,961.84	4,667.67	4,667.13	80.34	0.61	0.61	0.00
9226	90	2	32	4,961.48	4,699.66	4,699.11	81.23	3.49	-3.44	-0.63
9267	90	1	41	4,961.51	4,740.66	4,740.10	82.05	1.86	-0.73	-1.71
9320	90	1	53	4,961.70	4,793.66	4,793.10	82.79	0.00	0.00	0.00
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			
0	0	0		4,961.70	4,793.66	4,793.10	82.79			



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Unruh 2629 1-17H
Comanche County, Gray
T&R: 26S 29W
Section: 17, 350' FWL & 345' FNL
Long/Lat:-100.52321 37.794373

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 12/13/2012
Drawing Name/Number: Addendum_Unruh_1-17H .mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Logo

Back to Well Completion

Unruh 2629 1-17H (1093201)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

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

Add Attachment

Remarks

Remarks to KCC	

Add Remar

Remarks

Tiffany Golay 12/13/012 11:11 am	Conductor weight= 106.35
Tiffany Golay 12/07/012 09:54 am	Additional Fluid Mgmt Info: 120 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43 Lipscomb, TX, 10-0992