Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1092714

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 # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Tammy Alcorn
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 #:

8/6/2012	9/3/2012	9/5/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21869-01-00
Spot Description:
N2 - N2 - NW - NW Sec. 28 Twp. 34 S. R. 6 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
660 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: Harper
Lease Name: Shrack Well #: 1-28H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1301 Kelly Bushing: 1321
Total Vertical Depth: 8984 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 700 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: 25000 ppm Fluid volume: 1600 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Gray Mud Disposal
Lease Name: Unnamed License #: 99999
Quarter SW Sec. 15 Twp. 24 S. R. 7 ☐ East ☑ West
County: Garfield, OK Permit #: 323003

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: 12/03/2012
☑ **Confidential Release Date:** 12/03/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 12/04/2012

1092714

Operator Name: SandRidge Exploration and Production LLC Lease Name: Shrack Well #: 1-28H

Sec. 28 Twp. 34 S. R. 6 ☐ East ☑ West County: Harper

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:

Attached

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

Name	Top	Datum
Base Heebner	3292	
Tonkawa	3652	
Cottage Grove	3938	
Oswego Limestone	4274	
Cherokee Group	4400	
Verdigris LImestone	4430	
Mississippi Lime	4622	

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. 10/30/2012

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	Shrack 1-28H
Doc ID	1092714

All Electric Logs Run

Boresight
mudlog
Spectral Density Dual Spaced Neutron Gamma Ray Memory Log
Array Induction Gamma Ray Memory Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Shrack 1-28H
Doc ID	1092714

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8554-8870	4241 bbls water, 36 bbls acid, 75M lbs sd, 4279 TLTR	
5	8162-8478	4228 bbls water, 36 bbls acid, 75M lbs sd, 8543 TLTR	
5	7770-8086	4040 bbls water, 36 bbls acid, 75M lbs sd, 12619 TLTR	
5	7378-7694	4503 bbls water, 36 bbls acid, 75M lbs sd, 17524 TLTR	
5	6986-7231	4204 bbls water, 36 bbls acid, 75M lbs sd, 21841 TLTR	
5	6594-6892	4223 bbls water, 36 bbls acid, 75M lbs sd, 26165 TLTR	
5	6201-6502	4376 bbls water, 36 bbls acid, 77M lbs sd, 30659 TLTR	
5	5809-6125	4314 bbls water, 36 bbls acid, 75M lbssd, 35023 TLTR	
5	5440-5811	4223 bbls water, 36 bbls acid, 76M lbs sd, 39284 TLTR	
5	5015-5341	4355 bbls water, 36 bbls acid, 76M lbs sd, 43685 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Shrack 1-28H
Doc ID	1092714

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Condcutor	30	20	75	90	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	9.63	36	700	Halliburton Extendacem and Swiftcem Systems	390	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	9.63	7	26	4985	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	8984	Halliburton Econocem System	290	.4% Halad(R)-9, 2lbm 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/

November 12, 2012

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

Re: ACO1
API 15-077-21869-01-00
Shrack 1-28H
NW/4 Sec.28-34S-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,
Tiffany Golay

Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

Date	Invoice #
8/6/2012	1435

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
Bobby Jopling	Net 45	8/6/2012	Shrack 1-28H, Harper Cnty, OK	Unit 310

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 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Grout & Trucking	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits

AFE Number: DC11854
Well Name: Shrack 1-28H
Code: 830.010
Amount: $17,800.00
Co. Man: Antonio Leija JR
Co. Man Sig.:
Notes:

Subtotal	$17,800.00
Sales Tax (0.0%)	$0.00
Total	$17,800.00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2946904	**Quote #:**	**Sales Order #:** 9760608
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Edwards, Tripp	
Well Name: Shrack	**Well #:** 1-28H		**API/UWI #:** 15-077-21869
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 28 Township 34S Range 6W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: NGUYEN, VINH	**Srvc 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 #
APPLEBEE, SCOTT J	9.5	521237	OSBORN, JAMES David	9.5	518950	STOOPS, LEVI Keith	9.5	523378
WALTON, SCOTTY Dwayne	9.5	478229						

Equipment

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

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8-21-12	2	0	8-22-12	7.5	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	720. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	21 - Aug - 2012	18:00	CST
On Location	21 - Aug - 2012	22:00	CST
Job Started	22 - Aug - 2012	05:09	CST
Job Completed	22 - Aug - 2012	06:04	CST
Departed Loc	22 - Aug - 2012	07:30	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
12.25" Open Hole				12.25				.	440.		
12.25" Open Hole- Lower				12.25				440.	720.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	720.		

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

HALLIBURTON

Cementing Job Summary

1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	190.0	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	Standard	SWIFTCEM (TM) SYSTEM (452990)	200.0	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		52.00	bbl	8.33	.0	.0	.0	
5	Standard Top Out Cement **With CC on the side**	CMT - STANDARD CEMENT (100003684)	0	sacks	15.6	1.2	5.28		5.28
94 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
5.278 Gal		FRESH WATER							

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	65	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates							
Circulating		Mixing		Displacement		Avg. Job	

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 #:** 2946904	**Quote #:**	**Sales Order #:** 9770482
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Edwards, Tripp	
Well Name: Shrack	**Well #:** 1-28H		**API/UWI #:** 15-077-21869
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 28 Township 34S Range 6W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** Unit 310		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	**Job Type:** Cement Intermediate Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** JOHNSON, ROBERT	**MBU ID Emp #:** 418417	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOHNSON, ROBERT David	30	418417	PROVINES, TYLER Wesley	30	523867	SLAUGHTER, MICHAEL Eugene	30	492805

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
08/26/2012	10	0	08/27/2012	12.5	4			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	4985. ft	**Job Depth TVD**	4985. ft
Water Depth		**Wk Ht Above Floor**	8. ft
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	26 - Aug - 2012	07:45	CST
On Location	26 - Aug - 2012	13:00	CST
Job Started	27 - Aug - 2012	08:31	CST
Job Completed	27 - Aug - 2012	10:05	CST
Departed Loc	27 - Aug - 2012	12:15	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				720.	5154.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5154.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	720.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	5W
Float Shoe	7	1	WF	4856	Bridge Plug					Bottom Plug			
Float Collar	7	1	WF	4942	Retainer					SSR plug set			
Insert Float										Plug Container	7	1	QL
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

Stage/Plug #: 1

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	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	50/50 Poz - Standard	ECONOCEM (TM) SYSTEM (452992)	120.0	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	Premium	HALCEM (TM) SYSTEM (452986)	180.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement			bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	185	Shut In: Instant		Lost Returns	YES	Cement Slurry	71	Pad	
Top Of Cement	3136	5 Min		Cement Returns	0	Actual Displacement	185	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	

Rates							
Circulating	4	Mixing	4	Displacement	4	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 #:** 2946904	**Quote #:**	**Sales Order #:** 9792484
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Edwards, Tripp	
Well Name: Shrack	**Well #:** 1-28H		**API/UWI #:** 15-077-21869
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 28 Township 34S Range 6W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Production Liner			
Well Type: Development Well	**Job Type:** Cement Production Liner		
Sales Person: NGUYEN, VINH	**Srvc 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 #
BROWNING, JOHN Brent	3	515883	OSBORN, JAMES David	8	518950	VAN DER HORST, DANIEL Scott	8	515877
WALTON, SCOTTY Dwayne	8	478229						

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
9-4-12	7	2	9-5-12	1	0			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	9047. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	04 - Sep - 2012	14:00	CST
On Location	04 - Sep - 2012	17:00	CST
Job Started	04 - Sep - 2012	22:05	CST
Job Completed	04 - Sep - 2012	23:21	CST
Departed Loc	05 - Sep - 2012	01:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5154.	9047.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4753.	9047.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5154.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4753.		

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	Rig Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	290.0	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		117.00	bbl	8.33	.0	.0	.0	

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

Wellbores - Step #2

Actual Deviation Survey: <des>, Proposed? No | Wellbore Name: Original Hole

Deviation Surveys - Step #1

Des: | Date: 2012/08/21 | VS Dir (°):

Tie-in Data

Azm North Typ: | Convergence (°): | Decl (°):

Survey Data

MD (ftKB)	Incl (°)	Azm (°)
15	0	0
912	0.4	170.97
1,370	0.4	176.98
1,742	0.6	150.08
1,837	0.7	129.46
1,932	0.8	132.33
2,027	0.9	126.25
2,122	1.1	121.38
2,217	0.9	112.73
2,312	0.3	60.17
2,407	0.9	142.33
2,597	1.4	127.38
2,692	2	134.36
2,787	3.5	128.28
2,882	2.3	119.77
2,977	0.3	99.41
3,072	0.3	144.75
3,168	0.4	341.05
3,263	0.2	8.18
3,358	0.1	20.01
3,452	0.6	126.81
3,546	0.9	127.74
3,735	0.4	187.19
3,767	0.3	145.53
3,830	4.1	171.72
3,861	6.8	178.18
3,893	8.4	181.21
3,924	9	186.48
3,956	10.4	186.23
3,987	13.1	181.81
4,019	17.2	177.23
4,050	20.1	174.85
4,081	23.4	173.91
4,113	26.6	173.53
4,144	26.6	171.59
4,176	26.1	171.17
4,207	27.3	173.04
4,239	27.7	175.85
4,270	28.8	178.71

4,302	31	179.74
4,333	33.4	179.8
4,365	36.3	179.94
4,397	38.9	179.79
4,428	41	180.13
4,459	43.4	180.2
4,491	45.4	179.91
4,901	65.8	181.24
4,933	68.1	181.24
5,024	76.9	180.88
5,056	80.7	181.39
5,088	82.3	0
5,120	83.2	183.11
5,151	85.9	181.26
5,215	90.3	181.7
5,310	90.4	181.65
5,405	181.6	92.04
5,500	86.7	179.5
5,595	89.9	181.13
5,627	90.8	181.11
5,658	91.2	180.42
5,690	91.5	179.93
5,722	91.9	180.29
5,785	92.3	180.04
5,848	92.5	179.62
5,912	91.2	179.58
5,975	90.9	179.6
6,039	90.3	179.29
6,102	89.7	178.84
6,165	89.9	178.8
6,229	90.3	178.02
6,292	90.7	177.54
6,355	90.2	177.09
6,450	85.9	177.17
6,514	87.2	177.79
6,577	88.1	178.01
6,640	89.5	176.87
6,704	90.6	179.11
6,799	91.6	178.18
6,862	92.7	179.25
6,925	94	179.22
6,988	92	179.17
7,052	91.8	179.24
7,141	91.3	178.97
7,236	91.2	179.74
7,330	90.4	180.73
7,425	90.3	181.9

7,520	90.8	182.69
7,615	91	181.47
7,710	91.3	181.11
7,806	90.2	181.01
7,901	88.5	180.63
7,996	89.3	180.76
8,091	89.9	181.07
8,186	90.6	181.16
8,281	91.2	180.54
8,376	91.1	181.03
8,471	91.9	180
8,566	91.8	178.99
8,661	92.4	179.14
8,756	91.4	178.3
8,850	90.15	177.82
8,894	89.72	178.08

Com:

MD Tie In (ftKB):	Azimuth Tie In (°):	Inclination Tie In (°):	TVDTie In (ftKB):	NSTie In (ft):

Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)
Baker Hughes INTEQ	MWD	15	0	0
Baker Hughes INTEQ	MWD	912	3	-3.09
Baker Hughes INTEQ	MWD	1,370	6	-6.07
Baker Hughes INTEQ	MWD	1,742	9	-8.83
Baker Hughes INTEQ	MWD	1,837	10	-9.62
Baker Hughes INTEQ	MWD	1,932	10	-10.43
Baker Hughes INTEQ	MWD	2,027	11	-11.29
Baker Hughes INTEQ	MWD	2,122	12	-12.17
Baker Hughes INTEQ	MWD	2,217	13	-12.93
Baker Hughes INTEQ	MWD	2,312	13	-13.08
Baker Hughes INTEQ	MWD	2,407	14	-13.51
Baker Hughes INTEQ	MWD	2,597	16	-16.06
Baker Hughes INTEQ	MWD	2,692	18	-17.9
Baker Hughes INTEQ	MWD	2,787	21	-20.82
Baker Hughes INTEQ	MWD	2,882	24	-23.56
Baker Hughes INTEQ	MWD	2,977	25	-24.55
Baker Hughes INTEQ	MWD	3,072	25	-24.78
Baker Hughes INTEQ	MWD	3,168	25	-24.7
Baker Hughes INTEQ	MWD	3,263	24	-24.3
Baker Hughes INTEQ	MWD	3,358	24	-24.12
Baker Hughes INTEQ	MWD	3,452	25	-24.37
Baker Hughes INTEQ	MWD	3,546	25	-25.14
Baker Hughes INTEQ	MWD	3,735	27	-26.68
Baker Hughes INTEQ	MWD	3,767	27	-26.85
Baker Hughes INTEQ	MWD	3,829	29	-29.23
Baker Hughes INTEQ	MWD	3,860	32	-32.17
Baker Hughes INTEQ	MWD	3,892	37	-36.39
Baker Hughes INTEQ	MWD	3,923	41	-41.06
Baker Hughes INTEQ	MWD	3,954	47	-46.43
Baker Hughes INTEQ	MWD	3,985	53	-52.74
Baker Hughes INTEQ	MWD	4,015	61	-61.09
Baker Hughes INTEQ	MWD	4,045	71	-70.97
Baker Hughes INTEQ	MWD	4,074	83	-82.39
Baker Hughes INTEQ	MWD	4,103	96	-95.82
Baker Hughes INTEQ	MWD	4,130	110	-109.57
Baker Hughes INTEQ	MWD	4,159	124	-123.61
Baker Hughes INTEQ	MWD	4,187	138	-137.41
Baker Hughes INTEQ	MWD	4,215	152	-152.11
Baker Hughes INTEQ	MWD	4,242	167	-166.76

Baker Hughes INTEQ	MWD	4,270	183	-182.72
Baker Hughes INTEQ	MWD	4,296	199	-199.26
Baker Hughes INTEQ	MWD	4,323	218	-217.54
Baker Hughes INTEQ	MWD	4,348	237	-237.05
Baker Hughes INTEQ	MWD	4,372	257	-256.94
Baker Hughes INTEQ	MWD	4,395	278	-277.75
Baker Hughes INTEQ	MWD	4,418	300	-300.14
Baker Hughes INTEQ	MWD	4,648	637	-636.61
Baker Hughes INTEQ	MWD	4,661	666	-666.05
Baker Hughes INTEQ	MWD	4,688	753	-752.74
Baker Hughes INTEQ	MWD	4,694	784	-784.11
Baker Hughes INTEQ	MWD	4,716	784	-783.78
Baker Hughes INTEQ	MWD	4,738	784	-783.82
Baker Hughes INTEQ	MWD	4,741	815	-814.66
Baker Hughes INTEQ	MWD	4,743	879	-878.59
Baker Hughes INTEQ	MWD	4,742	974	-973.54
Baker Hughes INTEQ	MWD	4,682	1,034	-1,033.77
Baker Hughes INTEQ	MWD	4,623	1,096	-1,095.44
Baker Hughes INTEQ	MWD	4,626	1,190	-1,190.38
Baker Hughes INTEQ	MWD	4,626	1,222	-1,222.37
Baker Hughes INTEQ	MWD	4,625	1,253	-1,253.37
Baker Hughes INTEQ	MWD	4,625	1,285	-1,285.36
Baker Hughes INTEQ	MWD	4,624	1,317	-1,317.34
Baker Hughes INTEQ	MWD	4,621	1,380	-1,380.30
Baker Hughes INTEQ	MWD	4,619	1,443	-1,443.25
Baker Hughes INTEQ	MWD	4,617	1,507	-1,507.21
Baker Hughes INTEQ	MWD	4,616	1,570	-1,570.20
Baker Hughes INTEQ	MWD	4,615	1,634	-1,634.19
Baker Hughes INTEQ	MWD	4,615	1,697	-1,697.18
Baker Hughes INTEQ	MWD	4,615	1,760	-1,760.17
Baker Hughes INTEQ	MWD	4,615	1,824	-1,824.14
Baker Hughes INTEQ	MWD	4,614	1,887	-1,887.09
Baker Hughes INTEQ	MWD	4,614	1,950	-1,950.02
Baker Hughes INTEQ	MWD	4,617	2,045	-2,044.83
Baker Hughes INTEQ	MWD	4,621	2,109	-2,108.65
Baker Hughes INTEQ	MWD	4,624	2,172	-2,171.55
Baker Hughes INTEQ	MWD	4,625	2,235	-2,234.47
Baker Hughes INTEQ	MWD	4,625	2,299	-2,298.42
Baker Hughes INTEQ	MWD	4,623	2,394	-2,393.38
Baker Hughes INTEQ	MWD	4,621	2,457	-2,456.32
Baker Hughes INTEQ	MWD	4,617	2,519	-2,519.20
Baker Hughes INTEQ	MWD	4,614	2,582	-2,582.10
Baker Hughes INTEQ	MWD	4,612	2,646	-2,646.06
Baker Hughes INTEQ	MWD	4,609	2,735	-2,735.02
Baker Hughes INTEQ	MWD	4,607	2,830	-2,829.99
Baker Hughes INTEQ	MWD	4,606	2,924	-2,923.98
Baker Hughes INTEQ	MWD	4,605	3,019	-3,018.95

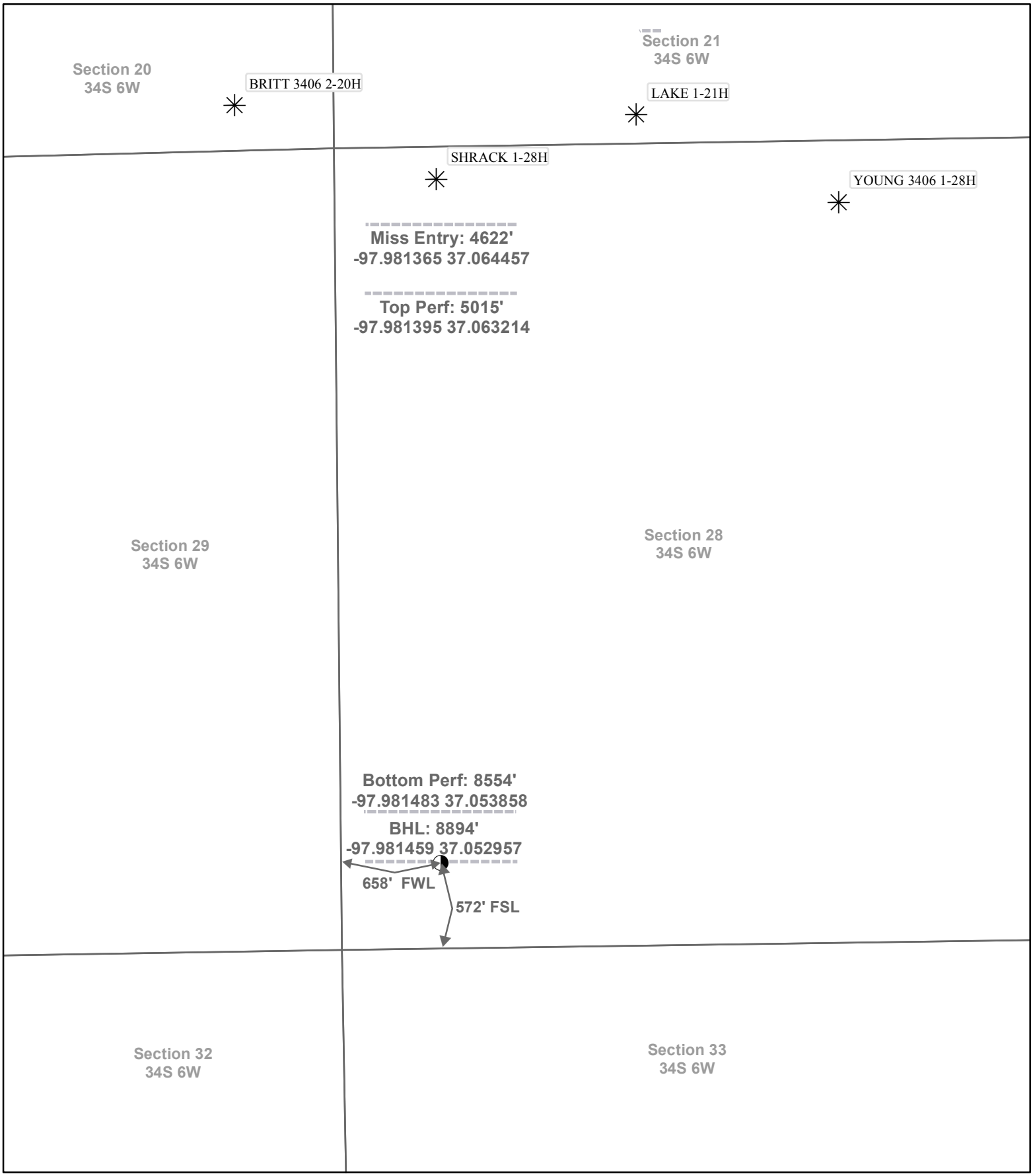
Baker Hughes INTEQ	MWD	4,604	3,114	-3,113.87
Baker Hughes INTEQ	MWD	4,603	3,209	-3,208.79
Baker Hughes INTEQ	MWD	4,601	3,304	-3,303.75
Baker Hughes INTEQ	MWD	4,600	3,400	-3,399.72
Baker Hughes INTEQ	MWD	4,601	3,495	-3,494.70
Baker Hughes INTEQ	MWD	4,603	3,590	-3,589.68
Baker Hughes INTEQ	MWD	4,603	3,685	-3,684.66
Baker Hughes INTEQ	MWD	4,603	3,780	-3,779.64
Baker Hughes INTEQ	MWD	4,602	3,875	-3,874.62
Baker Hughes INTEQ	MWD	4,600	3,970	-3,969.59
Baker Hughes INTEQ	MWD	4,597	4,065	-4,064.56
Baker Hughes INTEQ	MWD	4,594	4,160	-4,159.50
Baker Hughes INTEQ	MWD	4,591	4,255	-4,254.43
Baker Hughes INTEQ	MWD	4,588	4,349	-4,349.35

EWTie In (ft):

EW (ft)	DLS (°/100ft)
0	0
0.49	0.04
0.82	0.01
1.82	0.08
2.5	0.27
3.44	0.1
4.49	0.11
5.83	0.27
7.28	0.26
8.2	0.78
8.87	0.92
11.6	0.33
13.69	0.62
17.11	1.63
21.04	1.31
22.96	2.13
23.34	0.24
23.38	0.65
23.31	0.24
23.34	0.09
23.76	0.67
24.77	0.34
25.9	0.43
25.94	0.77
26.36	6.13
26.58	8.76
26.59	5.15
26.27	3.3
25.67	4.38
25.25	9.21
25.37	13.19
26.07	9.7
27.2	10.61
28.68	10.17
30.47	2.81
32.6	1.46
34.51	4.62
35.94	4.27
36.63	5.63

36.84	7.15
36.9	7.71
36.94	8.88
36.99	8.1
37	6.87
36.94	7.71
36.92	6.38
33.07	4.98
32.43	7.22
30.83	9.63
30.21	12.07
28.41	509.26
23.8	516.35
22.62	10.46
20.97	6.83
18.19	0.19
14.74	94.3
13.52	98.3
13	3.77
12.37	3
11.96	2.51
11.86	1.83
11.8	1.59
11.62	0.75
11.81	0.73
12.25	2.03
12.7	0.43
13.32	1
14.35	1.25
15.65	0.35
17.43	1.39
19.87	0.96
22.82	1.06
27.57	4.58
30.38	2.32
32.68	1.36
35.5	2.93
37.74	3.87
39.99	1.49
41.4	2.41
42.24	2.03
43.12	3.11
44.01	0.35
45.4	0.7
46.47	0.81
46.08	1.36
43.9	1.24

40.1	1
36.65	1.31
34.51	0.47
32.74	1.12
31.38	1.83
30.23	0.85
28.71	0.65
26.86	0.74
25.45	0.95
24.15	0.54
23.3	1.39
24.13	1.06
25.68	0.65
27.8	1.39



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Shrack 1-28H
Harper County, Kansas
T&R: 34S 06W
Section: 28, 658' FWL & 572' FSL
Long/Lat: -97.981459 37.052957

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 12/3/2012
Drawing Name/Number: Addendum_Shrack_1-28H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	