



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1224841  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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: \_\_\_\_\_

1224841

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kenneth 3306 1-11H
Doc ID	1224841

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8490-8811	1500 gals 15% HCL Acid, 5492 bbls Fresh Slickwater	
5	8145-8432	1500 gals 15% HCL Acid, 5407 bbls Fresh Slickwater	
5	7764-8064	1500 gals 15% HCL Acid, 5601 bbls Fresh Slickwater	
5	7372-7694	1500 gals 15% HCL Acid, 5475 bbls Fresh Slickwater	
5	7037-7328	1500 gals 15% HCL Acid, 5656 bbls Fresh Slickwater	
5	6618-6980	1500 gals 15% HCL Acid, 5839 bbls Fresh Slickwater	
5	6293-6568	1500 gals 15% HCL Acid, 5534 bbls Fresh Slickwater	
5	5872-6224	1500 gals 15% HCL Acid, 5386 bbls Fresh Slickwater	
5	5541-5810	1500 gals 15% HCL Acid, 4862 bbls Fresh Slickwater	
5	5192-5194	1500 gals 15% HCL Acid, 4987 bbls Fresh Slickwater	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kenneth 3306 1-11H
Doc ID	1224841

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	4738-5028	1500 gals 15% HCL Acid, 4046 bbls Fresh Slickwater	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Kenneth 3306 1-11H
Doc ID	1224841

### 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	30	20	75	120	Basin Services 10 Sack Grout	20	none
Surface	12.25	9.63	36	691	35:65 PozC; Class C	350	1100 Bentonite Extender, 74 CF LITEPOZ 3 Extender, 44 LB Polyester Flake
Intermedia te	8.75	7	26	5149	50:50 Poz:H; Class H	310	4% B020, 2 LB/SK D042, .6% D112; .4% C-12, .1% C-37
Production Liner	6.13	4.5	11.6	8950	50:50 Poz:H	430	.2% Anti Foam, .1% Disperant, .6% Fluid loss, 2.0 lb/sk LCM, .2% Retarder



**BASIN SERVICES, LLC**  
 P O BOX 4268  
 ABILENE, TX 79608-4268  
 Phone # (325)690-0053  
 Fax # (325)698-0055

# TICKET

TICKET NUMBER: WY-312-1  
 TICKET DATE: 06/11/2014

**ELECTRONIC**

SANDRIDGE ENERGY  
 \*\*\*\*\* BILL IN ADP!! \*\*\*\*\*  
 123 ROBERT S KERR AVE  
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK  
 LEASE: Kenneth 3306  
 WELL#: 1-11H  
 RIG #: Horizon 15  
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
6/10-11/2014 DRILLED 30" CONDUCTOR HOLE			
6/10-11/2014 20" CONDUCTOR PIPE (.250 WALL)			
6/10-11/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
6/10-11/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
6/10-11/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
6/10-11/2014 16" CONDUCTOR PIPE (.250 WALL)			
6/10-11/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
6/10-11/2014 WELDING SERVICES FOR PIPE & LIDS			
6/10-11/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
6/10-11/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
6/10-11/2014 20 YDS OF 10 SACK GROUT			
6/10-11/2014 TAXABLE ITEMS			6,000.00
6/10-11/2014 BID - TAXABLE ITEMS			10,900.00
Sub Total:			16,900.00
Tax HARPER COUNTY (6.15 %):			369.00
TICKET TOTAL:			<u>\$ 17,269.00</u>

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature \_\_\_\_\_

AFE Number: DC 13948  
 Well Name: Kenneth 3306 1-11H  
 Code: 850.010  
 Amount: \$17,269.00  
 Co. Man: Emil / Quincy / Tim Mills  
 Co. Man Sig.: Emil Mills  
 Notes: \_\_\_\_\_



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

*Original*

Service Contract Number  
**CXIR-00098**

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 14-Jun-2014	Time: 5:00 PM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 14-Jun-2014	Time: 8:00 PM
OKLAHOMA CITY		Start Job	Date: 14-Jun-2014	Time: 10:00 PM
73102-6406		Complete Job	Date: 15-Jun-2014	Time: 12:00 AM
OK		Leave Location	Date: 15-Jun-2014	Time: 1:00 AM
United States		Arrived District	Date: 15-Jun-2014	Time: 4:00 AM
Customer PO		Service Description Cementing Primary, Primary Surface		
Contract		Well Name & Number	Field	
APE		KENNETH 3306 1-11H	STOHRVILLE	
13948		County / Parish / Block / Borough	State / Province	
Customer or Authorized Representative		Harper	KS	
Cody Davis		Schlumberger Location	Legal Location	
API / UWI		EI Reno, OK		
15077220550100		Pricebook	Rig	
		B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Horizon 15	

**Service Instructions:**  
 Provide services, equipment, equipment and materials to safely cement 9.625" Surface casing per client specifications. Pump 10 bbl WATER, 210 sks 35:65 PozC + Adds @ 12.4 ppg, 140 sks Class C + Adds @ 14.8 ppg, drop top plug and displace per customer request.

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
<b>Products</b>						
56702095	Plug, Cementing Top Plastic 9.625 in	1	EA	500.00	47.00%	265.00
3020	Bentonite Extender	1100	LB	0.50	47.00%	291.50
3035-CF	LITEPOZ 3 Extender	74	CF	9.20	47.00%	360.82
3130	Polyester Flake	44	LB	4.40	47.00%	102.64
3903	Cement, Class C	277	CF	22.95	47.00%	3,369.28
S001	Calcium Chloride 77pct concentration	365	LB	1.44	47.00%	278.57
<b>Products Subtotal:</b>						<b>8,807.15</b>
<b>Discount:</b>						<b>4,139.36</b>
<b>Products Total:</b>						<b>4,667.79</b>
<b>Services</b>						
48019000	Bulk Unit, Per Hr on location	16	HR	115.00	47.00%	975.20
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	377	CF	2.43	47.00%	485.54
49102000	Transportation, Cement Ton-mile	823	MI	2.16	47.00%	942.17
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102871020	Pump, Casing Cement 0-2000 ft	1	EA	2,396.80	47.00%	1,270.30
102946000	Fuel Surcharge (non-discounted)	3	EA	450.00		1,350.00
107138100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	3	EA	364.87		1,094.61
<b>Services Subtotal:</b>						<b>13,309.20</b>
<b>Discount:</b>						<b>4,776.80</b>
<b>Services Total:</b>						<b>8,532.40</b>

<b>Total (Before Discount):</b>	<b>22,116.35</b>		
<b>Discount:</b>	<b>8,916.16</b>	<b>Estimated Total (USD):</b>	<b>13,200.19</b>
<b>Special Discount:</b>	<b>0.00</b>		



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

Service Contract Number  
**CXIR-00098**

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 14-Jun-2014	Time: 5:00 PM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 14-Jun-2014	Time: 8:00 PM
OKLAHOMA CITY		Start Job	Date: 14-Jun-2014	Time: 10:00 PM
73102-6406		Complete Job	Date: 15-Jun-2014	Time: 12:00 AM
OK United States		Leave Location	Date: 15-Jun-2014	Time: 1:00 AM
Customer PO	Contract	Arrived District	Date: 15-Jun-2014	Time: 4:00 AM
AFE	Cust Ref	Service Description Cementing Primary, Primary Surface		
13948		Well Name & Number	Field	
Customer or Authorized Representative		County / Parish / Block / Borough	State / Province	
Cody Davis		Harper	KS	
API / UWI	Pricebook	Schlumberger Location	Legal Location	
15077220550100	BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	El Reno, OK		
		Rig	Horizon 15	

**Service Instructions:**  
 Provide services, equipment, equipment and materials to safely cement 9.625" Surface casing per client specifications. Pump 10 bbl WATER, 210 sks 35:65 PozC + Adds @ 12.4 ppg, 140 sks Class C + Adds @ 14.8 ppg, drop top plug and displace per customer request.

AFE Number: 13948  
 Well Name: Kenneth 3306 1-11H  
 Code: 830-360  
 Amount: \$13,200.19  
 Co. Man: Cody Davis  
 Co. Man Sig.: [Signature]  
 Notes: \_\_\_\_\_

Estimated Total (USD): **13,200.19**

**THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.**

**THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.**

Signature of Customer or Authorized Representative: \_\_\_\_\_ Signature of Schlumberger Representative: \_\_\_\_\_

Cody Davis \_\_\_\_\_ Date \_\_\_\_\_ Brian Dougherty \_\_\_\_\_ Date \_\_\_\_\_





**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

*Original*

Service Contract Number  
**CXIR-00099**

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 22-Jun-2014	Time: 12:00 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 22-Jun-2014	Time: 2:00 AM
OKLAHOMA CITY		Start Job	Date: 22-Jun-2014	Time: 5:30 AM
73102-6406		Complete Job	Date: 22-Jun-2014	Time: 7:00 AM
Customer PO		Leave Location	Date: 22-Jun-2014	Time: 8:00 AM
Contract		Arrived District	Date: 22-Jun-2014	Time: 4:00 AM
United States		Service Description		
Cust Ref		Cementing Primary, Primary Intermediate		
Customer or Authorized Representative		Well Name & Number	Field	
Tim Mills		KENNETH 3306 1-11H	STOHRVILLE	
API / UWI		County / Parish / Block / Borough	State / Province	
15077220550100		Harper	KS	
Pricebook		Schlumberger Location	Legal Location	
B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_		El Reno, OK		
Rig		Horizon 15		

**Service Instructions:**  
 Provide services, equipment, equipment and materials to safely cement 7" Intermediate casing per client specifications. Pump 30 bbl Gel WATER, 210 sks 50:50 Poz:H + Adds @ 13.6 ppg, 100 sks Class H + Adds @ 15.6 ppg, drop top plug and displace per customer request.

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
<b>Products</b>						
56702070	Plug, Cementing Top Plastic 7 in	1	EA	302.00	47.00%	160.00
3306	PSG Polymer Slurry B306	6	GA	105.00	47.00%	333.90
0013	Retarder	46	LB	2.79	47.00%	68.02
0020	Bentonite Extender	705	LB	0.50	47.00%	186.82
0035-CF	LITEPOZ 3 Extender	105	CF	9.20	47.00%	511.98
0042	KOLITE Lost Circulation Additive	420	LB	0.99	47.00%	220.32
0065	TIC Dispersant	18	LB	7.86	47.00%	74.98
0079	Chemical Extender	36	LB	3.05	47.00%	58.18
0112	FLAC Fluid Loss Additive	106	LB	15.20	47.00%	853.92
0909	Cement, Class H	205	CF	24.13	47.00%	2,621.72

**Products Subtotal: 9,603.77**  
**Discount: 4,513.79**  
**Products Total: 5,089.98**

<b>Services</b>						
48019000	Bulk Unit, Per Hr on location	16	HR	115.00	47.00%	975.20
48020000	Pump, Cement Add Hr	6	HR	609.90	35.00%	2,378.64
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.88
49100000	Cement Blending Charge	330	CF	2.43	47.00%	425.01
49102000	Transportation, Cement Ton-mile	710	MI	2.16	47.00%	812.82
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102871055	Pump, Casing Cement 5001-5500 ft	1	EA	3,531.00	47.00%	1,871.43
102946000	Fuel Surcharge (non-discounted)	3	EA	450.00		1,350.00
107138100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	3	EA	364.87		1,094.61

**Services Subtotal: 17,744.51**  
**Discount: 6,422.26**  
**Services Total: 11,322.25**

<b>Total (Before Discount):</b>	<b>27,348.28</b>		
<b>Discount:</b>	<b>10,936.05</b>		
<b>Special Discount:</b>	<b>0.00</b>	<b>Estimated Total (USD):</b>	<b>16,412.23</b>



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

Service Contract Number  
**CXIR-00099**

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 22-Jun-2014	Time: 12:00 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 22-Jun-2014	Time: 2:00 AM
OKLAHOMA CITY		Start Job	Date: 22-Jun-2014	Time: 5:30 AM
73102-6406		Complete Job	Date: 22-Jun-2014	Time: 7:00 AM
OK		Leave Location	Date: 22-Jun-2014	Time: 8:00 AM
United States		Arrived District	Date: 22-Jun-2014	Time: 4:00 AM
Customer PO		Service Description		
Contract		Cementing Primary, Primary Intermediate		
Customer or Authorized Representative		Well Name & Number	Field	
Tim Mills		KENNETH 3306 1-11H	STOHRVILLE	
AFE	Cust Ref	County / Parish / Block / Borough	State / Province	
		Harper	KS	
Customer or Authorized Representative		Schlumberger Location	Legal Location	
Tim Mills		EI Reno, OK		
API / UWI	Pricebook	Rig		
15077220550100	BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Horizon 15		

**Service Instructions:**  
 Provide services, equipment, equipment and materials to safely cement 7" Intermediate casing per client specifications. Pump 30 bbl Gel WATER, 210 sks 50:50 Poz:H + Adds @ 13.6 ppg, 100 sks Class H + Adds @ 15.6 ppg, drop top plug and displace per customer request.

AFE Number: DC 13948  
 Well Name: Kenneth 3306 1-11H  
 Code: 830.370  
 Amount: \$16,412.23  
 Co. Man: Tim Mills  
 Co. Man Sig.: Tim Mills  
 Notes: \_\_\_\_\_

Estimated Total (USD): **16,412.23**

**THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.**

**THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.**

Signature of Customer or Authorized Representative: \_\_\_\_\_ Signature of Schlumberger Representative: \_\_\_\_\_

Tim Mills \_\_\_\_\_ Date \_\_\_\_\_ Brian Dougherty 6/20/14 \_\_\_\_\_ Date \_\_\_\_\_



## Service Contract Receipt

SCHLUMBERGER TECHNOLOGY CORPORATION

Original

Service Contract Number
<b>CQKW-00056</b>

<b>Invoice Mailing Address:</b> SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)  123 ROBERT S. KERR AVENUE  OKLAHOMA CITY OK 73102-6406 United States		<b>Left District</b>	Date: 27-Jun-2014	Time: 12:00 PM
		<b>Arrive Location</b>	Date: 27-Jun-2014	Time: 3:00 PM
		<b>Start Job</b>	Date: 27-Jun-2014	Time: 8:03 PM
		<b>Complete Job</b>	Date: 27-Jun-2014	Time: 11:00 PM
<b>Customer PO</b>  AFE <b>DC 13948</b>		<b>Leave Location</b>	Date: 28-Jun-2014	Time: 12:30 AM
		<b>Arrived District</b>	Date: 28-Jun-2014	Time: 7:00 AM
<b>Customer or Authorized Representative</b> Tim Mills		<b>Service Description</b> Cementing Primary, Primary Longstring		
<b>API / UWI</b> 16077220990100		<b>Well Name &amp; Number</b> KENNETH 3306 1-11H	<b>Field</b> STOHRVILLE	
<b>Pricebook</b> B0J6 / W6V_GEOREF_USL_2011_USD_Pressure_Pumping_US_		<b>County / Parish / Block / Borough</b> Harper	<b>State / Province</b> KS	
<b>Service Instructions:</b> Provide services, equipment, equipment and materials to safely cement 4.5" Liner casing per client specifications. Pump 30 bbl Gel WATER, 430 sks 50:50 Poz:H + Adds @ 13.6 ppg, drop top plug and displace per customer request.		<b>Schlumberger Location</b> El Reno, OK	<b>Legal Location</b>	
		<b>Rig</b> HORIZON #15		

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
<b>Products</b>						
B306	PSG Polymer Slurry B306	6	GA	105.00	47.00%	333.90
D013	Retarder	80	LB	2.79	47.00%	118.30
D020	Bentonite Extender	1441	LB	0.50	47.00%	381.86
D035-CF	LITEPOZ 3 Extender	215	CF	9.20	47.00%	1,048.34
D042	KOLITE Lost Circulation Additive	858	LB	0.99	47.00%	450.19
D046	Antifoam Agent, All Purpose	73	LB	5.90	47.00%	228.27
D065	TIC Dispersant	37	LB	7.86	47.00%	154.13
D079	Chemical Extender	73	LB	3.05	47.00%	118.00
D112	FLAC Fluid Loss Additive	217	LB	15.20	47.00%	1,748.15
D909	Cement, Class H	215	CF	24.13	47.00%	2,749.61
<b>Products Subtotal:</b>						<b>13,831.64</b>
<b>Discount:</b>						<b>6,500.89</b>
<b>Products Total:</b>						<b>7,330.75</b>
<b>Services</b>						
48019000	Bulk Unit, Per Hr on location	18	HR	115.00	47.00%	1,097.10
48020000	Pump, Cement Add Hr	6	HR	609.90	35.00%	2,378.61
49100000	Cement Blending Charge	676	CF	2.43	47.00%	870.62
49102000	Transportation, Cement Ton-mile	1960	MI	2.16	47.00%	2,243.81
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102872090	Pump, Liner/Sqz/Plug 8501-9000 ft	1	EA	6,206.00	47.00%	3,289.18
102946000	Fuel Surcharge (non-discounted)	3	EA	450.00		1,350.00
107138100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	3	EA	364.87		1,094.61
102476000	Service Supervisor/Field Engineer	1	HR	112.35	35.00%	73.03
102476001	Equipment Operator/Service Technician	4	HR	90.95	35.00%	236.47
<b>Services Subtotal:</b>						<b>24,110.04</b>
<b>Discount:</b>						<b>9,356.92</b>
<b>Services Total:</b>						<b>14,753.12</b>

<b>Total (Before Discount):</b>	37,941.68		
<b>Discount:</b>	15,857.81	<b>Estimated Total (USD):</b>	22,083.87
<b>Special Discount:</b>	0.00		



**Service Contract Receipt**  
**SCHLUMBERGER TECHNOLOGY CORPORATION**

*Original*

Service Contract Number  
**CQKW-00056**

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)  123 ROBERT S. KERR AVENUE  OKLAHOMA CITY OK 73102-6406 United States		Left District	Date: 27-Jun-2014	Time: 12:00 PM
		Arrive Location	Date: 27-Jun-2014	Time: 3:00 PM
		Start Job	Date: 27-Jun-2014	Time: 8:03 PM
		Complete Job	Date: 27-Jun-2014	Time: 11:00 PM
		Leave Location	Date: 28-Jun-2014	Time: 12:30 AM
		Arrived District	Date: 28-Jun-2014	Time: 7:00 AM
		Service Description		Cementing Primary, Primary Longstring
Customer PO	Contract	Well Name & Number	Field	
AFE	Cust Ref	KENNETH 3306 1-11H	STOHRVILLE	
Customer or Authorized Representative		County / Parish / Block / Borough	State / Province	
Tim Mills		Harper	KS	
API / UWI		Schlumberger Location	Legal Location	
15077220550100		El Reno, OK		
Pricebook		Rig		
BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_		HORIZON #15		
Service Instructions: Provide services, equipment, equipment and materials to safely cement 4.5" Liner casing per client specifications. Pump 30 bbl Gel WATER, 430 sks 50:50 Poz:H + Adds @ 13.6 ppg, drop top plug and displace per customer request.				

AFE Number: DC 13948  
 Well Name: Kenneth 3306 1-11H  
 Code: 840.380  
 Amount: \$22,083.87  
 Co. Man: Tim Mills  
 Co. Man Sig.: [Signature]  
 Notes: \_\_\_\_\_

Estimated Total (USD): **22,083.87**

**THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.**

**THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.**

Signature of Customer or Authorized Representative:  Validity unknown Signed by Tim Mills 10/22/14 23.44.54 <u>[Signature]</u> Tim Mills	Signature of Schlumberger Representative:  Validity unknown Signed by Charles Jacobs 6/27/2014 23.44.54 <u>[Signature]</u> Charles Jacobs
_____	_____
Date	Date

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
	SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	401	4893	1380
BHL	8950	91.90	175.90	4425.66	-4534.55	853.59	4614.17	0.00	4952	344	2144	3072
Miss Entry	4724	77.00	172.57	4385.73	-320.55	784.00	462.13	9.88	736	4559	2158	3097
Top Perf	4738	78.37	172.89	4388.86	-334.07	785.74	475.74	10.14	750	4545	2159	3096
Bottom Perf	8811	90.95	175.16	4429.36	-4396.02	842.85	4476.09	1.11	4813	482	2136	3081

Survey Points	X	Y	Surface XY	X	Y	North Line slope	m
NW Corner XY Coord	2160814	193339		2162201.3	192965.6	0.0195817	
SW Corner XY Coord	2160918	188049				East Line slope	-0.010568
NE Corner XY Coord	2166074	193442				South Line slope	0.0180353
SE Corner XY Coord	2166130	188143				West Line slope	-0.0196597

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (deg)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL	
0	0.0	0	0	0	0	0	0	401	4893	1380	3878	
250	0.20	311.40	250.00	0	0	-0.34	0.08	400	4894	1380	3878	
500	0.50	311.40	499.99	1	-1	-1.55	0.12	399	4895	1379	3879	
660	0.50	311.40	659.99	2	-3	-2.66	0.00	398	4896	1377	3880	
720	0.20	311.40	719.99	2	-3	-2.95	0.50	398	4896	1377	3881	
781	0.40	54.90	780.99	3	-3	-3.12	0.80	398	4896	1377	3880	
872	1.50	62.40	871.97	3	-1	-3.59	1.21	397	4897	1379	3879	
963	3.10	68.90	962.90	5	2	-4.37	1.78	396	4898	1382	3876	
1054	6.00	66.60	1053.60	8	9	-5.85	3.19	393	4901	1389	3869	
1147	8.70	74.60	1145.83	11	20	-7.47	3.10	390	4905	1400	3858	
1239	11.00	76.10	1236.47	15	35	-8.49	2.52	386	4908	1415	3842	
1331	12.00	74.20	1326.62	20	53	-9.79	1.16	382	4913	1433	3825	
1422	13.40	69.60	1415.39	26	72	-12.36	1.90	376	4918	1452	3806	
1517	14.40	67.70	1507.61	35	93	-16.54	1.16	368	4926	1474	3784	
1612	14.40	67.90	1599.63	44	115	-21.20	0.05	359	4935	1496	3762	
1707	12.60	67.40	1692.00	52	135	-25.63	1.90	351	4943	1516	3742	
1801	12.50	67.40	1783.75	60	154	-29.79	0.11	344	4951	1535	3723	
1896	12.60	70.50	1876.48	67	174	-33.45	0.72	337	4958	1555	3703	
1990	11.10	68.50	1968.48	74	192	-36.67	1.65	330	4964	1573	3685	
2085	11.20	73.60	2061.69	80	209	-39.26	1.04	325	4970	1591	3668	
2180	9.70	74.50	2155.11	85	226	-40.81	1.59	320	4974	1607	3651	
2275	9.30	70.40	2248.81	89	241	-42.63	0.83	316	4979	1622	3636	
2370	9.90	71.30	2342.48	95	255	-44.92	0.65	311	4983	1637	3621	
2465	11.80	72.70	2435.77	100	272	-47.14	2.02	306	4989	1654	3604	
2559	12.50	67.30	2527.67	107	291	-50.31	1.42	299	4995	1673	3586	
2654	12.40	67.00	2620.44	115	310	-54.58	0.13	292	5003	1692	3567	
2749	12.80	70.90	2713.15	122	329	-58.24	0.99	285	5010	1712	3547	
2843	13.20	72.00	2804.74	129	349	-61.08	0.50	278	5016	1732	3527	
2939	13.00	69.90	2898.24	136	370	-64.19	0.54	272	5023	1753	3506	
3033	14.30	69.80	2989.59	144	391	-67.78	1.38	264	5030	1773	3486	
3128	14.50	70.20	3081.60	152	413	-71.55	0.24	257	5038	1796	3463	
3223	14.70	67.70	3173.53	160	435	-75.80	0.70	249	5046	1818	3441	
3318	15.50	70.40	3265.25	169	458	-80.13	1.12	240	5054	1842	3418	
Top of Tangent @ 4917'	3412	14.90	72.90	3355.97	177	482	-83.37	0.95	233	5062	1865	3394
	3507	15.30	72.00	3447.69	184	505	-86.27	0.49	226	5069	1889	3370
	3601	15.90	70.60	3538.22	193	529	-89.73	0.75	218	5077	1913	3346
	3696	16.70	77.80	3629.41	200	555	-92.00	2.29	212	5083	1939	3321
	3728	17.50	83.20	3660.00	201	564	-91.77	5.55	210	5085	1948	3311
Btm of Tangent @ 5117'	3759	17.70	87.90	3689.55	202	574	-90.73	4.63	210	5085	1957	3302
	3791	18.20	91.80	3720.00	202	583	-88.90	4.07	210	5085	1967	3292
	3823	18.50	100.30	3750.37	201	593	-85.98	8.41	211	5084	1977	3282
	3854	19.00	107.40	3779.73	199	603	-81.82	7.53	214	5081	1987	3273
	3886	20.00	114.10	3809.90	195	613	-76.22	7.65	218	5077	1997	3263
	3917	21.40	120.80	3838.90	190	623	-69.42	8.87	223	5072	2006	3253
	3949	23.10	127.40	3868.52	183	633	-60.86	9.44	230	5065	2016	3243
	3980	23.80	134.00	3896.97	175	642	-51.21	8.76	238	5057	2025	3234
	4011	23.20	142.30	3925.40	166	650	-40.65	10.84	248	5047	2033	3226
	4043	24.00	148.20	3954.73	155	658	-28.95	7.79	258	5037	2041	3219
	4074	25.40	151.80	3982.90	144	664	-16.71	6.63	270	5026	2047	3212
	4106	26.90	154.90	4011.62	131	670	-3.15	6.34	282	5013	2053	3206
	4137	29.10	157.70	4038.99	118	676	11.04	8.27	296	4999	2058	3200
	4169	31.40	159.10	4066.63	103	682	26.87	7.52	311	4984	2064	3195
	4200	33.90	160.60	4092.73	87	688	43.38	8.48	327	4968	2070	3189
	4231	36.70	161.30	4118.03	70	694	61.10	9.13	344	4951	2075	3183
	4263	38.60	161.90	4143.37	52	700	80.48	6.05	362	4933	2081	3177
	4294	41.80	162.20	4167.04	33	706	100.33	10.34	382	4914	2087	3171
	4326	44.20	162.70	4190.44	12	713	122.01	7.58	402	4893	2093	3165
	4357	46.50	163.50	4212.23	-9	719	143.93	7.64	424	4871	2099	3159
	4389	49.10	164.60	4233.72	-32	725	167.54	8.51	447	4849	2105	3153
	4420	51.40	165.00	4253.54	-55	732	191.31	7.49	470	4825	2111	3147
	4452	54.20	166.00	4272.89	-79	738	216.74	9.10	495	4801	2117	3140
	4484	56.80	166.50	4291.01	-105	744	243.08	8.23	520	4775	2122	3134
	4515	59.70	166.20	4307.32	-131	751	269.40	9.39	546	4749	2128	3129
	4547	61.80	167.60	4322.96	-158	757	297.30	7.59	573	4722	2134	3122
	4578	64.50	168.90	4336.96	-185	763	324.95	9.48	600	4695	2139	3117

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (deg)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100'				
								FNL	FSL	FWL	FEL
4610	66.80	169.40	4350.15	-214	768	354.10	7.33	629	4666	2144	3112
4642	69.40	171.20	4362.09	-243	773	383.78	9.66	659	4637	2148	3107
4673	72.10	171.90	4372.31	-272	777	413.02	8.97	688	4608	2152	3103
4705	75.10	172.20	4381.34	-302	782	443.67	9.42	718	4577	2156	3099
4736	78.20	172.80	4388.50	-332	786	473.78	10.18	748	4547	2159	3096
4768	80.90	174.30	4394.30	-363	789	505.16	9.61	779	4516	2162	3093
4800	82.20	175.90	4399.00	-395	792	536.64	6.40	811	4484	2164	3090
4831	84.10	177.00	4402.70	-426	794	567.17	7.07	842	4454	2165	3089
4863	85.50	177.90	4405.60	-457	795	598.70	5.19	874	4422	2166	3087
4894	86.00	178.40	4407.90	-488	796	629.24	2.28	905	4391	2166	3087
4926	86.60	178.00	4409.96	-520	797	660.77	2.25	936	4359	2167	3086
4957	86.90	177.70	4411.72	-551	798	691.37	1.37	967	4328	2167	3085
4989	87.30	178.00	4413.34	-583	799	722.96	1.56	999	4296	2168	3084
5021	88.00	177.80	4414.65	-615	801	754.56	2.27	1031	4264	2168	3084
5052	88.40	177.80	4415.63	-646	802	785.20	1.29	1062	4233	2169	3083
5084	88.40	177.90	4416.52	-678	803	816.82	0.31	1094	4201	2170	3082
5115	89.40	177.60	4417.11	-709	804	847.47	3.37	1125	4170	2170	3081
5132	89.90	177.60	4417.22	-726	805	864.28	2.94	1142	4153	2171	3080
5212	91.00	177.30	4416.59	-806	808	943.45	1.43	1222	4073	2173	3078
5312	90.40	178.00	4415.37	-906	813	1042.34	0.92	1322	3973	2175	3075
5407	89.50	179.00	4415.45	-1001	815	1136.09	1.42	1417	3878	2175	3073
5502	89.50	180.90	4416.28	-1096	815	1229.40	2.00	1512	3783	2174	3074
5596	89.40	182.50	4417.18	-1190	812	1321.16	1.71	1606	3689	2169	3078
5691	89.60	182.90	4418.01	-1285	808	1413.52	0.47	1701	3594	2163	3083
5787	89.70	182.90	4418.60	-1380	803	1506.77	0.10	1797	3498	2156	3089
5881	89.70	183.30	4419.09	-1474	798	1598.01	0.43	1891	3405	2149	3095
5976	89.20	185.20	4420.00	-1569	791	1689.73	2.07	1985	3310	2140	3103
6070	89.60	185.40	4420.99	-1663	782	1780.02	0.48	2079	3217	2130	3113
6165	90.20	184.20	4421.15	-1757	774	1871.51	1.41	2173	3122	2120	3122
6260	88.00	185.40	4422.64	-1852	766	1962.98	2.64	2268	3028	2110	3131
6355	88.40	185.40	4425.63	-1947	757	2054.15	0.42	2362	2933	2099	3141
6449	90.00	186.00	4426.94	-2040	748	2144.25	1.82	2455	2840	2088	3151
6544	90.60	186.00	4426.44	-2135	738	2235.18	0.63	2550	2746	2076	3162
6639	90.20	183.90	4425.78	-2229	730	2326.59	2.25	2644	2651	2066	3171
6733	90.40	183.60	4425.29	-2323	724	2417.57	0.38	2738	2557	2058	3178
6827	91.20	181.30	4423.98	-2417	720	2509.04	2.59	2832	2464	2052	3184
6922	88.90	180.30	4423.89	-2512	718	2602.08	2.64	2926	2369	2049	3186
7017	89.40	179.30	4425.30	-2607	719	2695.44	1.18	3021	2274	2047	3187
7112	87.50	177.90	4427.87	-2702	721	2789.11	2.48	3116	2179	2048	3185
7206	88.10	177.60	4431.48	-2796	725	2881.99	0.71	3210	2085	2050	3182
7301	89.70	177.00	4433.30	-2890	729	2976.02	1.80	3305	1990	2052	3179
7395	89.90	176.30	4433.63	-2984	735	3069.22	0.77	3399	1896	2056	3175
7490	90.40	175.80	4433.38	-3079	741	3163.53	0.74	3494	1801	2061	3169
7610	91.30	175.80	4431.60	-3199	750	3262.72	0.75	3614	1681	2067	3161
7705	90.50	175.20	4430.11	-3293	758	3377.12	1.05	3709	1586	2073	3155
7800	90.50	175.10	4429.28	-3388	766	3471.60	0.11	3804	1492	2079	3148
7894	90.80	175.40	4428.22	-3482	773	3565.07	0.45	3897	1398	2085	3141
7989	92.10	175.70	4425.81	-3576	781	3659.45	1.40	3992	1303	2090	3135
8083	90.70	175.70	4423.52	-3670	788	3752.81	1.49	4086	1209	2096	3129
8177	88.90	175.60	4423.84	-3764	795	3846.20	1.92	4180	1115	2101	3123
8271	88.80	175.80	4425.73	-3858	802	3939.58	0.24	4274	1021	2106	3117
8366	89.50	175.80	4427.14	-3952	809	4033.93	0.74	4369	927	2111	3111
8461	89.30	175.70	4428.13	-4047	816	4128.30	0.24	4464	832	2116	3105
8556	89.50	175.80	4429.13	-4142	823	4222.67	0.24	4558	737	2122	3099
8651	89.50	175.60	4429.96	-4237	830	4317.05	0.21	4653	642	2127	3092
8746	90.20	175.50	4430.21	-4331	837	4411.46	0.74	4748	547	2132	3086
8841	91.30	175.00	4428.96	-4426	845	4505.92	1.27	4843	452	2138	3079
8900	91.90	175.90	4427.32	-4485	850	4564.54	1.83	4902	393	2142	3075
8950	91.90	175.90	4425.66	-4535	854	4614.17	0.00	4952	344	2144	3072

HENRY 3306 3-2H

KENNETH 3306 1-11H  
KENNETH 3306 2-11H

MARSHA 3306 2-11H

HENRY 3306 2-2H

MARSHA 3306 1-11H

Miss Entry: 4724'  
-97.940765 37.194511

Top Perf: 4738'  
-97.940758 37.194474

Section 11  
33S 6W

Harper County

FLINN A 3306 1-11

Bottom Perf: 8811'  
-97.940273 37.183431

BHL: 8950'  
-97.940226 37.183055

2144' FWL

344' FSL

Section 14  
33S 6W



Actual Bottom-Hole Location of Kenneth 3306 1-11H  
T&R: 33S 6W  
Section: 11, 2144' FWL & 344' FSL  
-97.940226 37.183055

1 in = 667 ft

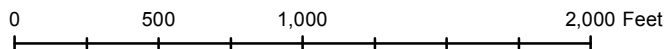


● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Dory Deines

Draft Date: 9/26/2014

Drawing Name/Number:

Addendum\_Kenneth 3306 1-11H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/2/2014
Job End Date:	8/4/2014
State:	Kansas
County:	Harper
API Number:	15-077-22055-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Kenneth 3306 1-11H
Longitude:	-97.94316800
Latitude:	37.19531800
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,426
Total Base Water Volume (gal):	2,424,030
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Archer	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	95.56037	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	3.59424	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.10649	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00439	None
			Methyl Alcohol	67-56-1	80.00000	0.00086	None
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00016	None
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00193	None
			Citric Acid	77-92-9	30.00000	0.00116	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Chemicals					
			Water	7732-18-5		0.04614	
			WATER	7732-18-5		0.02634	
			Aliphatic Hydrocarbon	64742-47-8		0.02307	
			Anionic Polymer	N/A		0.02307	



			TRADE SECRET	N/A		0.01756	
			Water	7732-18-5		0.00875	
			METHANOL	67-56-1		0.00439	
			ISOPROPANOL	67-63-0		0.00439	
			Polyol Ester	N/A		0.00385	
			Oxyalkylated Alcohol	68002-97-1		0.00385	
			Acrylic Polymer	28205-96-1		0.00146	
			Sodium Salt of Phosphate Ester	68131-72-6		0.00146	
			Water	7732-18-5		0.00135	
			Polyglycol Ester	N/A		0.00077	
			Alcohol Ethoxylate Surfactants	N/A		0.00016	
			n-olefins	N/A		0.00009	
			Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00008	
			Propargyl Alcohol	107-19-7		0.00006	
			Buffer	N/A			
			Acetic Acid	64-19-7			
			Cinnamic Aldehyde	104-55-2			
			Surfactant	N/A			
			Water	7732-18-5			

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)