



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1167733  
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: \_\_\_\_\_



1167733

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> _____
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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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Milly 3020 1-19
Doc ID	1167733

All Electric Logs Run

Array Compenstaed True Resistivity
Porosity
Micro
Depiction
Mud

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Milly 3020 1-19
Doc ID	1167733

Tops

Name	Top	Datum
Base Anhydrite	2595	
Base Heebner	4265	
Lansing	4432	
Marmaton	4903	
Oswego	4949	
Pawnee	4982	
Cherokee	5014	
Morrow	5124	
Mississippi	5137	
Viola	5861	
Simpson	6007	
Oil Creek	6114	
Arbuckle	6128	

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 11, 2013

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

Re: ACO1  
API 15-097-21765-00-00  
Milly 3020 1-19  
SW/4 Sec.19-30S-20W  
Kiowa 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,  
Chelsey Green



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

# INVOICE

INVOICE NO.: 484  
 INVOICE DATE: 08/19/2013

SANDRIDGE ENERGY  
 123 ROBERT S KERR AVE  
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK  
 LEASE: Milly 3020  
 WELL#: 1-19  
 RIG #: LaMunyon 1  
 Co/St: KIOWA, KS

Tkt # WY-82-1 (10370) 07/27/2013-07/28/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
7/27-28/2013 DRILLED 30" CONDUCTOR HOLE				
7/27-28/2013 20" CONDUCTOR PIPE (.250 WALL)				
7/27-28/2013 DRILLED 20" RATHOLE (PER FOOT)				
7/27-28/2013 16" CONDUCTOR PIPE (.250 WALL)				
7/27-28/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
7/27-28/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
7/27-28/2013 WELDING SERVICES FOR PIPE & LIDS				
7/27-28/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
7/27-28/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
7/27-28/2013 10 SACK GROUT				
7/27-28/2013 TAXABLE ITEMS				4,250.00
7/27-28/2013 BID - TAXABLE ITEMS				16,250.00

Sub Total:	20,500.00
Tax KIOWA COUNTY (7.3 %):	310.25
PLEASE PAY THIS AMOUNT:	<u>\$ 20,810.25</u>



**Service Order for i-District Job 1018359**

<b>Customer Name:</b> SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O	<b>Person Taking Call:</b>	<b>Location:</b> El Reno, OK WS	<b>Order Date:</b> 30-Jul-13 12:53	<b>Job Number:</b> 1018359		
<b>Service Order Number:</b>	<b>Service Line:</b> Cementing El Reno	<b>Supervisor:</b>	<b>Legal Location:</b>			
<b>Well Name and Number:</b> MILLY -3020-, 1-19	<b>Pad/Platform:</b>	<b>Field:</b>	<b>County:</b> Kiowa	<b>State/Prov:</b> Kansas		
<b>Well Master Number:</b> 0631481922	<b>API/UWI:</b> 0631481922	<b>Rig Name:</b> LAMUNYON DRLG LLC #1	<b>Well Age:</b> New	<b>Sales Engineer:</b> Meshall Thomas		
<b>Job Type:</b> Cementing El Reno – Surface	<b>Time Well Ready:</b>	<b>Deviation:</b> 0 deg	<b>Hole Size:</b> 12.25 in	<b>Well MD:</b> 750 ft		
<b>Well TVD:</b> 750 ft	<b>BHP:</b> 500 psi	<b>BHST:</b> 89 °F	<b>BHCT:</b> 85 °F	<b>Treat Down:</b> Casing		
<b>Packer Type:</b>	<b>Packer Depth:</b>	<b>Min/Max Densities:</b> Lead: 11.9/12.9 ppg Tail: 14.3/15.3 ppg	<b>HHP on Location:</b>	<b>Max Allowed Pressure:</b> 5000 psi		
<b>Max Allowed Ann Pressure:</b>		<b>Job Stage Description:</b> 8 5/8" Surface	<b>FTL Ticket/Quote Number :</b> CDL7-00305			
<b>Casing/Tubing</b>			<b>Service Instructions:</b>			
<b>String Type</b>	<b>Depth</b>	<b>Size</b>	<b>Weight</b>	<b>Grade</b>	<b>Thread</b>	
Casing	750 ft	8.625 in	24 lb/ft	J-55	LTC	
			Provide equipment, materials, services and personnel to safely cement 8 5/8" surface casing per customer request.			
			Pump 10 bbl fresh water, 310 sks lead @ 12.40 ppg. 120 sks tail @ 14.80 ppg, drop top plug and displace per client specifications.			
<b>Client Contact</b>						
<b>Name</b>	<b>Voice</b>	<b>Fax</b>	<b>Email</b>	<b>Title</b>	<b>Company</b>	<b>Notes</b>
Bill/Paul	281-436-6503					
<b>Notes:</b>						
TOC: Surface -- volumes based on 12.25" OH + 150%XS						
Equipment: 8 5/8" HM and QC, top and bottom plugs, water hoses, air hoses, mud hoses (contingency), washup hoses (contingency), D110, D047, 1 Pump, 2 ABTs, 300ft topout iron						
GET FIELD TICKET STAMPED.						
<b>Directions:</b>						
From Buffalo Okla go north on Hwy 183 25.5 miles continue north on Hwy 34 18.5 miles turn east on RD "B" 4.5 miles turn south on First Ave 1.7 miles turn south 1.0 miles to location						

<b>Materials</b>			
<b>Name</b>	<b>Description</b>	<b>Quantity</b>	<b>Density</b>
Lead Slurry	310 sks 35:65 Poz:C + adds	623.10 ft3	12.40 lb/gal
Tail Slurry	120 sks Class C + adds	159.60 ft3	14.80 lb/gal

**Fluid Systems:**

<b>Lead Slurry</b>				
<b>310 sks 35:65 Poz:C + adds</b>				
<i>Sacks Of:</i>	Blend		<i>Total Blend/Cem:</i>	26,970.00 lb
<i>Sack Weight:</i>	87.00 lb		<i>Sacks Blend/Cem:</i>	310.00 sks
<i>Yield:</i>	2.01 ft <sup>3</sup> /sk		<i>Final Fluid Density:</i>	12.40 lb/gal
<i>Mix Water:</i>	11.12 gal/sk		<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D903	61.100 lb/sk	WTSK	18,941.00 lb	18,941.00 lb
D035	25.900 lb/sk	WTSK	8,029.00 lb	8,029.00 lb
D020	6.000 %	BWOB	1,618.20 lb	1,618.20 lb
S001	2.000 %	BWOB	539.40 lb	539.40 lb
D130	0.130 lb/sk	WTSK	40.30 lb	40.30 lb

<b>Tail Slurry</b>				
<b>120 sks Class C + adds</b>				
<i>Sacks Of:</i>	Cement		<i>Total Blend/Cem:</i>	11,280.00 lb
<i>Sack Weight:</i>	94.00 lb		<i>Sacks Blend/Cem:</i>	120.00 sks
<i>Yield:</i>	1.33 ft <sup>3</sup> /sk		<i>Final Fluid Density:</i>	14.80 lb/gal
<i>Mix Water:</i>	6.35 gal/sk		<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D903	94.000 lb/sk	WTSK	11,280.00 lb	11,280.00 lb
D130	0.125 lb/sk	WTSK	15.00 lb	15.00 lb





# Cementing Service Report

Well				Customer				Job Number									
Milly 1-19				Sandridge				1022427									
Location (Legal)				Schlumberger Location				Job Start									
								Aug/16/2013									
Field		Formation Name/Type		Deviation		Bit Size		Well HD		Well TVD							
				deg		7.9 in		6156.0 ft		6156.0 ft							
County		State/Province		BHP		BHST		BHCT		Pore Press. Gradient							
kiowa		kansas		psi		153 degF		130 degF		lb/gal							
Well Master		API/UWI															
0631481922		15097217650000															
Rig Name		Drilled For		Service Via		Casing/Liner											
Iamunyon drig llc 1		Oil & Gas		Land		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class		Well Type													
		new		Development													
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe											
		9.40 lb/gal		cP		Y/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line		Job Type				D		6156.0		4.5		16.6					
Cementing		plug				0.0		0.0		0.0							
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Perforations / Open Hole											
psi		psi		drill prin		Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval		ft	
						ft		ft						ft			
Service Instructions						ft		ft						ft			
cement 2 plugs						ft		ft						in			
						Treat Down		Displacement		Packer Type		Packer Depth					
						drill pipe		bbl				ft					
						Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.					
						bbl		bbl		bbl		bbl					
Casing/Tubing Secured		<input checked="" type="checkbox"/> 1 Hole Vol. Circulated prior to Cement		<input checked="" type="checkbox"/>		Casing Tools				Squeeze Job							
Lift Pressure		200 psi				Shoe Type				Squeeze Type							
Pipe Rotated		<input type="checkbox"/> Pipe Reciprocated		<input type="checkbox"/>		Shoe Depth				ft							
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth							
										ft							
Cement Head Type						Stage Tool Depth				ft							
Job Scheduled For		Arrived on Location		Leave Location		Collar Type				Tall Pipe Size							
Aug/16/2013 22:00		Aug/16/2013 23:00		Aug/17/2013 07:30		Collar Depth				ft							
										Sqz. Total Vol.							
										bbl							
Date		Time 24-hr clock		Treating Pressure PSL		Flow Rate B/M		Density LB/G		Volume BBL		Message					
08/17/2013		02:23:09		1		0.0		8.45		0.0		Started Acquisition					
08/17/2013		02:23:12		2		0.0		8.45		0.0		Start Job					
08/17/2013		02:23:15		2		0.0		8.45		0.0		Start Pumping Spacer					
08/17/2013		02:23:21		1		0.0		8.45		0.0		Pressure Test Lines					
08/17/2013		02:24:29		1		0.0		8.45		0.0							
08/17/2013		02:25:49		-3		0.0		8.45		0.0							
08/17/2013		02:27:09		8		0.0		8.33		1.3							
08/17/2013		02:28:29		1		0.0		8.33		1.3							
08/17/2013		02:29:49		79		0.0		8.33		1.4							
08/17/2013		02:31:09		4587		0.1		8.33		1.5							
08/17/2013		02:32:29		6		0.0		8.33		1.5							
08/17/2013		02:33:49		2		0.0		8.33		1.5							
08/17/2013		02:35:09		5		0.0		8.33		1.5							
08/17/2013		02:36:29		5		0.0		8.33		1.5							
08/17/2013		02:37:28		4		0.0		8.33		1.5		Reset Total, Vol = 1.51 bbl					
08/17/2013		02:37:49		4		0.0		8.33		1.5							
08/17/2013		02:39:09		4		0.0		8.33		1.5							
08/17/2013		02:40:29		3		0.0		8.33		1.5							
08/17/2013		02:41:49		341		2.3		8.35		2.9							
08/17/2013		02:43:09		526		4.4		8.33		7.9							
08/17/2013		02:44:05		478		4.5		8.32		12.0		Reset Total, Vol = 10.51 bbl					

Well		Field	Job Start	Customer	Job Number	
Milly 1-19			Aug/16/2013	Sandridge	1022427	
Date	Time 24-hr clock	Trailing Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/17/2013	02:44:29	678	4.5	16.59	13.8	
08/17/2013	02:45:49	217	1.3	16.00	17.3	
08/17/2013	02:47:09	-2	0.0	15.99	17.9	
08/17/2013	02:48:29	8	1.6	8.96	19.8	
08/17/2013	02:49:34	253	1.7	8.54	20.2	Reset Total, Vol = 8.21 bbl
08/17/2013	02:49:37	450	1.9	8.54	20.3	End Tail Slurry
08/17/2013	02:49:40	445	3.3	8.70	20.4	End Spacer
08/17/2013	02:49:49	378	3.9	8.48	21.0	
08/17/2013	02:50:36	349	3.9	8.36	24.0	Start Pumping Spacer
08/17/2013	02:50:38	389	4.0	8.36	24.2	Reset Total, Vol = 3.95 bbl
08/17/2013	02:50:42	327	4.0	8.39	24.4	Start Pumping Mud
08/17/2013	02:51:09	409	4.0	8.42	26.2	
08/17/2013	02:52:29	369	4.0	9.56	31.5	
08/17/2013	02:53:49	383	4.0	9.62	36.8	
08/17/2013	02:55:09	410	4.0	9.62	42.1	
08/17/2013	02:56:29	365	4.0	9.62	47.4	
08/17/2013	02:57:49	361	4.0	9.63	52.7	
08/17/2013	02:59:09	354	4.0	9.64	58.0	
08/17/2013	03:00:29	307	4.0	9.63	63.3	
08/17/2013	03:01:49	330	4.0	9.63	68.6	
08/17/2013	03:03:09	361	4.0	9.63	73.9	
08/17/2013	03:04:29	318	4.0	9.63	79.2	
08/17/2013	03:05:49	330	4.0	9.63	84.5	
08/17/2013	03:07:09	317	4.0	9.63	89.8	
08/17/2013	03:08:29	51	0.1	10.08	93.1	
08/17/2013	03:09:49	49	0.0	10.84	93.1	
08/17/2013	03:11:09	33	0.0	14.10	93.1	
08/17/2013	03:12:29	1	0.0	14.09	93.1	
08/17/2013	03:12:31	1	0.0	14.08	93.1	end mud 69 bbls
08/17/2013	05:41:49	-2	0.4	8.47	0.0	
08/17/2013	05:42:12	7	1.1	9.26	0.2	Start Pumping Spacer
08/17/2013	05:43:09	48	3.2	8.35	2.9	
08/17/2013	05:44:29	91	2.3	8.34	5.7	
08/17/2013	05:45:49	132	2.3	8.33	8.8	
08/17/2013	05:47:09	187	2.3	8.32	11.8	
08/17/2013	05:48:29	209	2.3	8.32	14.8	
08/17/2013	05:49:49	239	2.3	8.32	17.9	
08/17/2013	05:50:39	237	2.2	8.32	19.8	End Spacer
08/17/2013	05:50:42	247	2.4	9.15	19.9	Reset Total, Vol = 19.91 bbl
08/17/2013	05:50:48	246	2.3	16.72	20.1	Start Mixing Tail Slurry
08/17/2013	05:51:09	293	2.3	17.41	20.9	
08/17/2013	05:52:29	221	2.3	17.44	24.0	
08/17/2013	05:53:49	133	2.3	17.49	27.0	
08/17/2013	05:55:09	97	2.7	17.48	30.3	
08/17/2013	05:56:29	100	2.4	17.50	33.5	
08/17/2013	05:57:49	98	2.4	17.51	36.7	
08/17/2013	05:59:09	97	2.3	17.62	39.9	
08/17/2013	06:00:29	96	2.3	17.59	43.0	
08/17/2013	06:01:49	100	2.4	17.56	46.2	
08/17/2013	06:03:09	118	2.7	17.48	49.7	
08/17/2013	06:04:29	114	2.6	17.50	53.2	
08/17/2013	06:05:00	75	2.2	15.75	54.6	End Tail Slurry
08/17/2013	06:05:02	69	2.1	14.48	54.6	Reset Total, Vol = 34.74 bbl
08/17/2013	06:05:04	69	2.0	13.03	54.7	Start Pumping Spacer

Well		Field		Job Start		Customer		Job Number	
Milly 1-19				Aug/16/2013		Sandridge		1022427	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/17/2013	06:07:09	58	4.0	8.49	62.1				
08/17/2013	06:07:10	58	4.0	8.59	62.1	Start Mixing Tail Slurry			
08/17/2013	06:07:11	58	4.0	8.71	62.2	End Spacer			
08/17/2013	06:07:14	58	4.1	8.96	62.4	Reset Total, Vol = 7.77 bbl			
08/17/2013	06:07:17	58	4.0	9.24	62.6	Start Pumping Mud			
08/17/2013	06:08:29	57	3.5	9.37	66.9				
08/17/2013	06:09:49	92	4.2	9.37	72.2				
08/17/2013	06:11:09	110	4.2	9.29	77.8				
08/17/2013	06:12:29	118	4.2	9.65	83.5				
08/17/2013	06:13:49	128	4.5	9.65	89.3				
08/17/2013	06:15:09	91	4.4	9.65	95.3				
08/17/2013	06:16:29	68	3.6	9.65	100.2				
08/17/2013	06:17:49	71	1.1	9.63	103.1				
08/17/2013	06:19:06	1	0.0	9.61	103.7	End Mud			
08/17/2013	06:19:09	3	0.0	9.61	103.7				

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	PSI	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.8		3.5	4.5	50.0	41.1	27.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
302	1	115				bbl	lb/gal
Aug. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
%	50.0 bbl		0.0 bbl	70 degF	<input type="checkbox"/>		bbl
Customer or Authorized Representative			Schlumberger Supervisor		Washed Thru Perfs		To
Juan sopp jr					<input type="checkbox"/>		ft
					Circulation Lost		Job Completed
					<input type="checkbox"/>		<input checked="" type="checkbox"/>

<b>Well</b>	Milly	<b>Client</b>	Sandridge
<b>Field</b>		<b>SIR No.</b>	1022427
<b>Engineer</b>	juan sapp jr	<b>Job Type</b>	plug
<b>Country</b>	United States	<b>Job Date</b>	08-17-2013

