



**BASIN SERVICES, LLC**  
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# 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>
Casing	750 ft	8.625 in	24 lb/ft	J-55
				<b>Thread</b> 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>
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>	
<b>Code</b>	<b>Conc</b>	<b>Design</b>	<b>Total</b>	<b>Load out with excess</b>
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>	
<b>Code</b>	<b>Conc</b>	<b>Design</b>	<b>Total</b>	<b>Load out with excess</b>
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 deg		Bit Size		Well HD		Well TVD							
				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			
Service Instructions						ft		ft						Diameter			
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				Tool Type							
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth							
										ft							
Cement Head Type						Stage Tool Depth				Tool Pipe Size							
										in							
Job Scheduled For		Arrived on Location		Leave Location		Collar Type				Tail Pipe Depth							
Aug/16/2013 22:00		Aug/16/2013 23:00		Aug/17/2013 07:30						ft							
Collar Depth						ft				Seq. 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	ft
Juan sopp jr					<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
					Circulation Lost		
					<input 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

