

# Mid-Continent Conductor, LLC

## Invoice

Date	Invoice #
10/24/2013	2213

P.O. Box 1570  
Woodward, OK 73802  
Phone: (580)254-5400  
Fax: (580)254-3242

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
Parker Waldrige	Net 30	10/24/2013	Red Fern 3507 3-16H, Harper Cnty, KS	Unit 337

Item	Quantity	Description
Conductor Hole	102	Drilled 102 ft. conductor hole
20" Pipe	102	Furnished 102 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	13	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Fence Panels	1	Furnished safety netting around conductor holes
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished 6' X 6' steel cover plate
Permits	1	Permits

AFE Number: \_\_\_\_\_  
 Well Name: Red Fern 3507 3-16H  
 Code: 850-010  
 Amount: 21280.00  
 Co. Man: Steve N. Fisher  
 Co. Man Sig.: \_\_\_\_\_  
 Notes: \_\_\_\_\_

<b>Subtotal</b>	\$21,280.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	<b>\$21,280.00</b>



# Cementing Service Report

				Customer SANDRIDGE			Job Number 1875989								
Well RED FERN 3-16H 3-16H			Location (legal)			Schlumberger Location ELK CITY			Job Start Nov/12/2013						
Field			Formation Name/Type			Deviation deg		Bit Size 12.3 in		Well MD 764.0 ft		Well TVD ft			
County HARPER			State/Province Kansas			BHP psi		BHST 89 degF		BHCT 80 degF		Pore Press. Gradient lb/gal			
Well Master Q631506881			API/UWI 15Q7721978Q1												
Rig Name UNIT 337		Drilled For Oil & Gas		Service Via Land		Casing/Liner									
						Depth, ft		Size, in		Weight, lb/ft		Grade	Thread		
Offshore Zone N/A		Well Class New		Well Type Exploration		768.5		9.6		36.0		J55	8RD		
						0.0		0.0		0.0					
Drilling Fluid Type Bentonite			Max. Density 9.00 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe								
							T/D		Depth, ft		Size, in		Weight, lb/ft	Grade	Thread
Service Line Cementing			Job Type SURFACE							0.0		0.0			
										0.0		0.0			
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole									
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft	
						ft		ft						ft	
						ft		ft						in	
						Treat Down Casing		Displacement 56.0 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 59.0 bbl		Annular Vol. bbl		Openhole Vol. 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 250 psi			Shoe Type Guide			Shoe Depth 768.5 ft			Squeeze Type						
Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Stage Tool Type			Tool Type						
No. Centralizers			Top Plugs 1		Bottom Plugs 0		Stage Tool Depth ft			Tool Depth ft					
Cement Head Type Single			Collar Type Float			Collar Depth 726.4 ft			Tail Pipe Size in						
Job Scheduled For Nov/12/2013 23:00			Arrived on Location Nov/13/2013 23:00			Leave Location Nov/13/2013 07:00			Tail Pipe Depth ft			Sqz. Total Vol. bbl			
Date		Time 24-hr clock	Treating Pressure PSI	Flow Rate B/W	Density LB/G	Volume BBL	Message								
11/13/2013		02:52:12	0	0.0	8.33	0.0									
11/13/2013		02:52:13	0	0.0	8.33	0.0	Start Job								
11/13/2013		02:55:32	0	0.0	8.33	0.0									
11/13/2013		02:58:52	0	0.0	8.33	0.0									
11/13/2013		03:02:12	0	0.0	8.34	0.0									
11/13/2013		03:05:32	0	0.0	8.33	0.0									
11/13/2013		03:08:52	-2	0.0	8.34	0.1									
11/13/2013		03:12:12	-2	0.0	8.34	0.1									
11/13/2013		03:15:32	-1	0.0	8.34	0.1									
11/13/2013		03:18:52	-1	0.0	8.34	0.1									
11/13/2013		03:22:12	-0	0.0	8.33	0.1									
11/13/2013		03:25:32	56	0.0	8.33	3.8									
11/13/2013		03:28:45	2782	0.0	8.33	3.8	Pressure Test Lines								
11/13/2013		03:28:52	2778	0.0	8.33	3.8									
11/13/2013		03:31:14	5	0.0	8.33	3.8	Start Pumping Water								
11/13/2013		03:32:12	6	0.0	8.33	0.0									
11/13/2013		03:35:32	159	4.7	9.02	13.3									
11/13/2013		03:37:29	96	3.1	13.35	21.9	End Water								
11/13/2013		03:37:30	138	3.1	13.27	22.0	Reset Total, Vol = 10.73 bbl								
11/13/2013		03:37:31	135	3.3	13.17	22.0	Start Mixing Lead Slurry								
11/13/2013		03:38:52	222	4.6	13.63	27.6									

Well		Field		Job Start		Customer		Job Number	
RED FERN 3-16H 3-16H				Nov/12/2013		SANDRIDGE		1875989	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/13/2013	03:45:32	89	3.7	11.96	53.3				
11/13/2013	03:48:52	118	4.0	12.46	65.9				
11/13/2013	03:52:12	114	4.0	12.38	79.3				
11/13/2013	03:55:32	116	4.0	12.65	92.7				
11/13/2013	03:56:59	131	4.0	13.52	98.5	End Lead Slurry			
11/13/2013	03:57:03	131	4.0	13.71	98.8	Reset Total, Vol = 89.02 bbl			
11/13/2013	03:57:05	131	4.0	13.78	98.9	Start Mixing Tail Slurry			
11/13/2013	03:58:52	180	4.0	14.75	106.0				
11/13/2013	04:02:12	95	3.0	14.81	118.4				
11/13/2013	04:05:32	91	2.9	15.11	128.4				
11/13/2013	04:08:52	4	1.3	14.96	136.7				
11/13/2013	04:09:06	10	0.0	2.55	136.8	End Tail Slurry			
11/13/2013	04:09:09	5	0.0	1.02	136.8	Reset Total, Vol = 38.05 bbl			
11/13/2013	04:09:11	4	0.0	0.55	136.8	Drop Top Plug			
11/13/2013	04:09:12	3	0.0	0.55	136.8	Start Displacement			
11/13/2013	04:12:12	68	2.3	9.93	138.3				
11/13/2013	04:15:32	79	4.1	8.83	148.3				
11/13/2013	04:18:52	137	3.8	8.33	161.2				
11/13/2013	04:22:12	105	1.8	8.33	169.1				
11/13/2013	04:25:32	198	3.3	8.33	176.0				
11/13/2013	04:28:52	225	2.3	8.33	186.6				
11/13/2013	04:32:12	261	2.3	8.33	194.2				
11/13/2013	04:32:48	1100	0.4	8.33	195.5	End Displacement			
11/13/2013	04:32:50	1097	0.1	8.33	195.5	Bump Top Plug			
11/13/2013	04:35:32	-5	0.0	8.33	195.5				
11/13/2013	04:35:45	-4	0.0	8.33	195.5	End Job			

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.7	0	0.0	5.1	127.0	0.0	10.0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2893	-5	189	1000	0		bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
0.0 %	128.0 bbl		56.0 bbl	60 degF	<input checked="" type="checkbox"/>	35.0 bbl	
					Washed Thru Perfs	To	
					<input type="checkbox"/>	0.0 ft	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed	
SCOTT BAKER			KENNETH NOBLITT		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
					-	-	

Customer				Job Number			
Sandridge				1875991			
Well Red Fern 3-26H		Location (legal) Harper Co.		Schlumberger Location Elk City		Job Start Nov/22/2013	
Field		Formation Name/Type		Deviation 90 deg	Bit Size 8.8 in	Well MD 5893.0 ft	Well TVD 5116.0 ft
County Harper		State/Province Kansas		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master 0631506881		API/UWI 150772197801					
Rig Name Unit 337	Drilled For Oil	Service Via Land		Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
							Thread
Offshore Zone	Well Class New	Well Type Development		5893.0	7.0	26.0	
				0.0	0.0	0.0	
Drilling Fluid Type Bentonite		Max. Density 8.70 lb/gal	Plastic Viscosity 20.000 cP		Tubing/Drill Pipe		
				T/D	Depth, ft	Size, in	Weight, lb/ft
							Grade
							Thread
Service Line Cementing	Job Type 7" Intermediate						
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection 7" cement head		Perforations/Open Hole			
				Top, ft	Bottom, ft	shot/ft	No. of Shots
							Total Interval ft
							Diameter in
				Treat Down Casing	Displacement 223.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 223.0 bbl	Annular Vol. bbl	Openhole Vol. 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 450 psi		Shoe Type Guide		Shoe Depth 5893.0 ft		Squeeze Type	
Pipe Rotated <input checked="" type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Stage Tool Type		Tool Depth ft	
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Depth ft		Tail Pipe Size in	
Cement Head Type Single		Collar Type Float		Collar Depth 5813.0 ft		Tail Pipe Depth ft	
Job Scheduled For Nov/22/2013 09:00		Arrived on Location Nov/22/2013 11:00	Leave Location Nov/22/2013 15:00	Sgz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message
11/22/2013	12:00:52	3	0.1	8.47	0.0	0	Started Acquisition
11/22/2013	12:00:54	3	0.1	8.36	0.0	0	Start Job
11/22/2013	12:00:55	3	0.1	8.36	0.0	0	Start Pumping Spacer
11/22/2013	12:01:22	3	0.1	8.47	0.0	0	
11/22/2013	12:01:52	3	0.1	8.47	0.1	0	
11/22/2013	12:02:22	3	0.1	8.47	0.1	0	
11/22/2013	12:02:52	2	0.1	8.46	0.1	0	
11/22/2013	12:03:22	2	0.1	8.46	0.2	0	
11/22/2013	12:03:52	1	0.1	8.47	0.2	0	
11/22/2013	12:04:22	1	0.1	8.47	0.2	0	
11/22/2013	12:04:52	174	1.8	8.46	0.6	0	
11/22/2013	12:05:22	320	4.0	8.47	2.0	0	
11/22/2013	12:05:52	128	0.1	8.81	2.4	0	
11/22/2013	12:06:22	400	0.0	8.64	2.5	0	
11/22/2013	12:06:52	2716	0.1	8.55	2.5	0	
11/22/2013	12:07:22	4888	0.1	8.59	2.6	0	
11/22/2013	12:07:52	4251	0.1	8.52	2.6	0	
11/22/2013	12:07:58	4231	0.1	8.51	2.6	0	Pressure Test Lines
11/22/2013	12:08:22	4177	0.1	8.49	2.6	0	
11/22/2013	12:08:52	83	0.1	8.48	2.7	0	
11/22/2013	12:09:22	81	0.1	8.48	2.7	0	

Well			Field		Job Start	Customer		Job Number
Red Fern 3-26H					Nov/22/2013	Sandridge		1875991
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/22/2013	12:10:22	332	4.5	8.51	5.6	0		
11/22/2013	12:10:52	337	4.3	8.48	7.8	0		
11/22/2013	12:11:22	343	4.4	8.48	10.0	0		
11/22/2013	12:11:52	366	4.4	8.48	12.2	0		
11/22/2013	12:12:22	378	4.4	8.49	14.5	0		
11/22/2013	12:12:52	353	4.3	8.50	16.7	0		
11/22/2013	12:13:22	354	4.5	8.48	18.9	0		
11/22/2013	12:13:52	347	4.3	8.52	21.1	0		
11/22/2013	12:14:22	353	4.4	8.51	23.3	0		
11/22/2013	12:14:52	386	4.4	8.50	25.5	0		
11/22/2013	12:15:22	394	4.4	8.51	27.8	0		
11/22/2013	12:15:52	376	4.5	8.53	30.0	0		
11/22/2013	12:16:22	184	4.5	10.97	32.2	0		
11/22/2013	12:16:39	527	4.4	12.05	33.4	0	Reset Total, Vol = 33.44 bbl	
11/22/2013	12:16:42	335	4.5	12.15	0.2	0	End Spacer	
11/22/2013	12:16:43	262	4.4	12.16	0.3	0	Start Mixing Lead Slurry	
11/22/2013	12:16:52	530	5.1	12.38	1.0	0		
11/22/2013	12:17:22	390	5.1	12.44	3.5	0		
11/22/2013	12:17:52	580	5.1	13.34	6.1	0		
11/22/2013	12:18:22	585	5.1	13.43	8.6	0		
11/22/2013	12:18:52	471	5.0	13.26	11.2	0		
11/22/2013	12:19:22	438	5.0	12.98	13.7	0		
11/22/2013	12:19:52	466	5.1	13.44	16.2	0		
11/22/2013	12:20:22	477	5.1	13.81	18.8	0		
11/22/2013	12:20:52	116	0.0	14.23	20.7	0		
11/22/2013	12:21:22	96	0.0	13.86	20.7	0		
11/22/2013	12:21:52	95	0.0	10.97	20.7	0		
11/22/2013	12:22:22	92	0.0	10.39	20.7	0		
11/22/2013	12:22:52	90	0.0	10.61	20.7	0		
11/22/2013	12:23:22	88	0.0	10.90	20.7	0		
11/22/2013	12:23:52	87	0.0	10.85	20.7	0		
11/22/2013	12:24:22	82	2.0	10.90	21.0	0		
11/22/2013	12:24:52	313	4.4	11.28	22.4	0		
11/22/2013	12:25:22	213	2.7	11.43	24.6	0		
11/22/2013	12:25:52	385	2.0	11.77	25.1	0		
11/22/2013	12:26:22	72	2.0	11.60	26.1	0		
11/22/2013	12:26:52	44	0.3	11.58	26.6	0		
11/22/2013	12:27:22	41	0.0	11.49	26.6	0		
11/22/2013	12:27:52	303	4.3	11.49	28.0	0		
11/22/2013	12:28:22	67	0.2	11.55	28.7	0		
11/22/2013	12:28:52	59	0.3	11.54	28.8	0		
11/22/2013	12:29:22	57	0.0	11.54	28.9	0		
11/22/2013	12:29:52	56	0.3	11.53	28.9	0		
11/22/2013	12:30:22	94	2.8	12.33	29.3	0		
11/22/2013	12:30:52	94	3.2	12.71	30.9	0		
11/22/2013	12:31:22	257	3.3	12.07	32.5	0		
11/22/2013	12:31:52	258	3.3	11.72	34.1	0		
11/22/2013	12:32:22	181	3.2	11.59	35.8	0		
11/22/2013	12:32:52	242	3.2	11.51	37.4	0		
11/22/2013	12:33:22	250	3.2	11.41	39.0	0		
11/22/2013	12:33:52	31	1.6	11.20	40.6	0		
11/22/2013	12:34:22	54	0.2	11.25	40.7	0		
11/22/2013	12:34:52	47	0.0	11.27	40.7	0		
11/22/2013	12:35:22	93	2.2	11.20	40.8	0		

Well			Field		Job Start	Customer		Job Number
Red Fern 3-26H					Nov/22/2013	Sandridge		1875991
Date	Time 24-hr clock	Treating Pressure PST	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/22/2013	13:00:22	4	0.0	11.55	0.5	0		
11/22/2013	13:00:52	4	0.0	10.53	0.5	0		
11/22/2013	13:01:22	64	2.0	8.86	1.1	0		
11/22/2013	13:01:52	64	2.0	9.14	2.1	0		
11/22/2013	13:02:22	60	2.0	8.86	3.1	0		
11/22/2013	13:02:52	58	2.0	8.73	4.1	0		
11/22/2013	13:03:22	58	3.3	8.72	5.6	0		
11/22/2013	13:03:52	57	3.3	8.56	7.2	0		
11/22/2013	13:04:22	55	3.2	8.55	8.8	0		
11/22/2013	13:04:52	55	3.3	8.52	10.4	0		
11/22/2013	13:05:22	57	3.2	8.50	12.1	0		
11/22/2013	13:05:52	59	3.3	9.79	13.7	0		
11/22/2013	13:06:22	62	4.4	8.48	15.7	0		
11/22/2013	13:06:52	62	4.3	8.48	17.9	0		
11/22/2013	13:07:22	62	4.3	8.47	20.1	0		
11/22/2013	13:07:52	61	4.3	8.47	22.3	0		
11/22/2013	13:08:22	61	4.5	8.47	24.5	0		
11/22/2013	13:08:52	61	4.4	8.47	26.8	0		
11/22/2013	13:09:22	62	4.5	8.47	29.0	0		
11/22/2013	13:09:52	64	4.3	8.47	31.2	0		
11/22/2013	13:10:22	66	4.3	8.47	33.4	0		
11/22/2013	13:10:52	72	4.4	8.47	35.6	0		
11/22/2013	13:11:22	70	4.4	8.47	37.9	0		
11/22/2013	13:11:52	67	4.3	8.47	40.1	0		
11/22/2013	13:12:22	72	4.5	8.47	42.3	0		
11/22/2013	13:12:52	73	4.5	8.47	44.5	0		
11/22/2013	13:13:22	71	4.5	8.47	46.7	0		
11/22/2013	13:13:52	14	0.7	8.47	48.1	0		
11/22/2013	13:14:22	74	4.5	8.47	49.9	0		
11/22/2013	13:14:52	72	4.5	8.47	52.1	0		
11/22/2013	13:15:22	69	4.4	8.47	54.3	0		
11/22/2013	13:15:52	72	4.5	8.47	56.5	0		
11/22/2013	13:16:22	71	4.3	8.47	58.8	0		
11/22/2013	13:16:52	71	4.4	8.47	61.0	0		
11/22/2013	13:17:22	69	4.5	8.47	63.2	0		
11/22/2013	13:17:52	69	4.3	8.47	65.4	0		
11/22/2013	13:18:22	68	4.3	8.47	67.6	0		
11/22/2013	13:18:52	67	4.4	8.47	69.8	0		
11/22/2013	13:19:22	69	4.4	8.47	72.0	0		
11/22/2013	13:19:52	72	4.5	8.47	74.2	0		
11/22/2013	13:20:22	72	4.3	8.47	76.4	0		
11/22/2013	13:20:52	68	4.3	8.47	78.6	0		
11/22/2013	13:21:22	68	4.4	8.47	80.8	0		
11/22/2013	13:21:52	69	4.3	8.47	83.0	0		
11/22/2013	13:22:22	68	4.3	8.47	85.2	0		
11/22/2013	13:22:52	71	4.4	8.47	87.5	0		
11/22/2013	13:23:22	70	4.3	8.47	89.7	0		
11/22/2013	13:23:52	69	4.5	8.47	91.9	0		
11/22/2013	13:24:22	69	4.5	8.47	94.1	0		
11/22/2013	13:24:52	69	4.3	8.47	96.3	0		
11/22/2013	13:25:22	70	4.5	8.47	98.5	0		
11/22/2013	13:25:52	66	4.4	8.47	100.7	0		
11/22/2013	13:26:22	69	4.3	8.47	102.9	0		
11/22/2013	13:26:52	69	4.3	8.47	105.1	0		

Well			Field		Job Start		Customer		Job Number	
Red Fern 3-26H					Nov/22/2013		Sandridge		1875991	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
11/22/2013	14:20:22	1085	0.0	8.56	1.3	0				
11/22/2013	14:20:52	1087	0.0	8.56	1.3	0				
11/22/2013	14:21:22	1090	0.0	8.56	1.3	0				
11/22/2013	14:21:52	1093	0.0	8.56	1.3	0				
11/22/2013	14:22:22	1095	0.0	8.56	1.3	0				
11/22/2013	14:22:52	1098	0.0	8.56	1.3	0				
11/22/2013	14:23:22	1100	0.0	8.56	1.3	0				
11/22/2013	14:23:52	1103	0.0	8.57	1.3	0				
11/22/2013	14:24:22	1106	0.0	8.57	1.3	0				
11/22/2013	14:24:52	1108	0.0	8.56	1.3	0				
11/22/2013	14:25:22	1111	0.0	8.57	1.3	0				
11/22/2013	14:25:52	1113	0.0	8.57	1.3	0				
11/22/2013	14:26:22	1116	0.0	8.57	1.3	0				
11/22/2013	14:26:52	1118	0.0	8.57	1.3	0				
11/22/2013	14:27:22	1121	0.0	8.57	1.3	0				
11/22/2013	14:27:52	1123	0.0	8.57	1.3	0				
11/22/2013	14:28:22	1126	0.0	8.57	1.3	0				
11/22/2013	14:28:52	1129	0.0	8.57	1.3	0				
11/22/2013	14:29:22	1131	0.0	8.57	1.3	0				
11/22/2013	14:29:52	1133	0.0	8.56	1.3	0				
11/22/2013	14:30:22	1136	0.0	8.57	1.3	0				
11/22/2013	14:30:52	1138	0.0	8.57	1.3	0				
11/22/2013	14:31:22	1141	0.0	8.57	1.3	0				
11/22/2013	14:31:52	1035	0.0	8.57	1.3	0				
11/22/2013	14:32:22	5	0.1	8.57	1.3	0				
11/22/2013	14:32:52	7	0.1	8.57	1.4	0				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
3.2			5.1	108.0	0.0	30.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4951	8	400	900			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input type="checkbox"/>	Volume	bbl	
%	91.0 bbl	220.0 bbl	40 degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input checked="" type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>	
Steve	Rachel Hart			-		-		