

REGULATORY DEPT  
SANDRIDGE ENERGY

Well		Customer		Job Number	
CAROTHER BROTHERS A3306 2-16		SANDRIDGE		C1YQ-00278	
Field		Schlumberger Location		Job Start	
HORIZON 5		ROK		Jul/23/2013	
Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
		deg	in	ft	ft
County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
HARPER	KANSAS	psi	degF	degF	lb/gal
Well Master	API/UWI	Casing/Liner			
0631478548	15077219430000	Depth, ft	Size, in	Weight, lb/ft	Grade
Rig Name	Drilled For	Service Via	Thread		
HORIZON 5	Oil & Gas	Land	749.0	8.6	24.0
Offshore Zone	Well Class	Well Type	0.0	0.0	0.0
	New	Exploration	Tubing/Drill Pipe		
Drilling Fluid Type	Max. Density	Plastic Viscosity	T/D	Depth, ft	Size, in
	9.00 lb/gal	34.000 cP			Weight, lb/ft
Service Line	Job Type	Grade			
Cementing	8 .625" SURFACE	Thread			
Max. Allowed Tub. Press	Max. Allowed Ann. Press	Perforations/Open Hole			
psi	psi	Top, ft	Bottom, ft	shot/ft	No. of Shots
Service Instructions		Total Interval			
To provide equipment, materials, services and personnel to safely cement 8 5/8" surface casing per customer approval.		ft			
Pump 240 sks 35:65 Poz:C @ 12.40 ppg, 115 sks Class C @ 14.80 ppg, drop top plug and displace per customer specifications.		Diameter			
		in			
		Treat Down	Displacement	Packer Type	Packer Depth
			bbl		ft
		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
		bbl	bbl	bbl	bbl
Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement	Casing Tools		Squeeze Job	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shoe Type	Guide	Squeeze Type	
Lift Pressure	250 psi	Shoe Depth	749.0 ft	Tool Type	
Pipe Rotated	<input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>	Stage Tool Type		Tool Depth	
No. Centralizers	Top Plugs	Bottom Plugs	ft	Tail Pipe Size	
6	1	0		in	
Cement Head Type	Single	Stage Tool Depth	ft	Tail Pipe Depth	
Job Scheduled For	Arrived on Location	Leave Location	Collar Type	Tail Pipe Depth	
Jul/23/2013	Jul/23/2013	Jul/23/2013	Float	ft	
		Collar Depth	702.0 ft	Sqz. Total Vol.	
		bbl			
Date	Time 24-hr clock	Message			
07/24/2013	00:08:52	Started Acquisition			
07/24/2013	00:08:57	Start Job			
07/24/2013	00:08:59	Start Pumping Spacer			
07/24/2013	00:11:42				
07/24/2013	00:13:47	Pressure Test Lines			
07/24/2013	00:14:32				
07/24/2013	00:17:22				
07/24/2013	00:20:12				
07/24/2013	00:22:54	End Spacer			
07/24/2013	00:22:57	Reset Total, Vol = 11.10 bbl			
07/24/2013	00:23:02				
07/24/2013	00:23:03	Start Mixing Lead Slurry			
07/24/2013	00:25:52				
07/24/2013	00:28:42				
07/24/2013	00:31:32				
07/24/2013	00:34:22				
07/24/2013	00:37:12				
07/24/2013	00:38:39	End Lead Slurry			
07/24/2013	00:38:44	Reset Total, Vol = 80.26 bbl			
07/24/2013	00:38:52	Start Mixing Tail Slurry			
07/24/2013	00:40:02				

Well CAROTHER BROTHERS A3306 2-16		Field	Job Start Jul/23/2013	Customer SANDRIDGE	Job Number C1YQ-00278
Date	Time 24-hr clock	Message			
07/24/2013	00:45:02	End Tail Slurry			
07/24/2013	00:45:06	Reset Total, Vol = 26.15 bbl			
07/24/2013	00:45:10	Drop Top Plug			
07/24/2013	00:45:11	Start Displacement			
07/24/2013	00:45:42				
07/24/2013	00:48:32				
07/24/2013	00:51:22				
07/24/2013	00:54:12				
07/24/2013	00:57:02				
07/24/2013	00:59:52				
07/24/2013	01:00:27	Bump Top Plug			
07/24/2013	01:02:42				
07/24/2013	01:04:27	End Displacement			

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 4.3	N2	Mud	Maximum Rate 6.7	Total Slurry 104.0	Mud 0.0	Spacer 11.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 5174	Final 4	Average 473	Bump Plug to 1225	Breakdown	Type FreshWater	Volume bbl	Density 8.34 lb/gal
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 45.0 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 15.0 bbl	Washed Thru Perfs <input type="checkbox"/>	To ft
Customer or Authorized Representative TIM MILLS			Schlumberger Supervisor John Beseda II		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	



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Cementing Service Report

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REGULATORY DEPT  
SANDRIDGE ENERGY

Customer Sandridge				Job Number CDL7-00288							
Well other Brothers A 3306 # 2-1 Carother Brothers A 3306 # 2-1				Location (legal) Horizon #5		Schlumberger Location EL RENO		Job Start Jul/29/2013			
Field Stohrville		Formation Name/Type Shale		Deviation		Bit Size		Well MD 4940.0 ft	Well TVD 4940.0 ft		
County Harper		State/Province Kansas		BHP		BHST 141 degF		BHCT 128 degF		Pore Press. Gradient	
Well Master 0631478548		API/UWI 15077219430000									
Rig Name Horizon #5		Drilled For Oil & Gas		Service Via Land		Casing/Liner					
						Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class New		Well Type Development		4936.1	5.500	17.0	P110	8RD	
						0.0	0.000	0.0			
Drilling Fluid Type Bentonite		Max. Density 9.40 lb/gal		Plastic Viscosity 60.000 cP		Tubing/Drill Pipe					
						Depth,	Size,	Weight,	Grade	Thread	
Service Line Cementing		Job Type 5.5 production									
Max. Allowed Tub. Press 5000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole					
						Top,	Bottom,		No. of Shots	Total Interval	
Service Instructions										Diameter	
						Treat Down Casing	Displacement 112.4 bbl		Packer Type	Packer Depth	
						Tubing Vol.	Casing Vol. 114.4 bbl		Annular Vol.	Openhole Vol.	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools				Squeeze Job			
Lift Pressure 465 psi				Shoe Type Guide		Shoe Depth 4936.1 ft		Squeeze Type		Tool Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type		Stage Tool Depth		Tail Pipe Size		Tail Pipe Depth	
No. Centralizers 15		Top Plugs 1		Bottom Plugs		Collar Type Guide		Collar Depth 4845.5 ft		Sqz. Total Vol.	
Cement Head Type Single		Job Scheduled For Jul/29/2013		Arrived on Location Jul/29/2013		Leave Location Jul/29/2013					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
01/01/1970	01:02:42					Started Acquisition					
07/29/2013	11:57:34	0	0.0	0.00	0.0						
07/29/2013	11:57:42	0	0.0	0.00	0.0						
07/29/2013	11:58:12	0	0.0	0.00	0.0						
07/29/2013	11:58:42	0	0.0	0.00	0.0						
07/29/2013	11:59:12	0	0.0	0.00	0.0						
07/29/2013	11:59:42	0	0.0	0.00	0.0						
07/29/2013	12:00:12	0	0.0	0.00	0.0						
07/29/2013	12:00:42	0	0.0	0.00	0.0						
07/29/2013	12:01:12	0	0.0	0.00	0.0						
07/29/2013	12:01:42	0	0.0	0.00	0.0						
07/29/2013	12:02:12	0	0.0	0.00	0.0						
07/29/2013	12:02:42	0	0.0	0.00	0.0						
07/29/2013	12:03:12	0	0.0	0.00	0.0						
07/29/2013	12:03:42	0	0.0	0.00	0.0						
07/29/2013	12:04:42	0	0.0	0.00	0.0						
07/29/2013	12:05:12	0	0.0	0.00	0.0						
07/29/2013	12:05:42	0	0.0	0.00	0.0						
07/29/2013	12:06:12	0	0.0	0.00	0.0						
07/29/2013	12:06:42	0	0.0	0.00	0.0						
07/29/2013	14:26:08					Saftey Meetng					

Well Brothers A 3306 # 2-1 Carother Brothers A 3306 # 2-1			Field Stohrville	Job Start Jul/29/2013	Customer Sandridge	Job Number CDL7-00288
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/29/2013	14:26:08	33	0.0	8.47	0.0	
07/29/2013	14:26:10					Flush lines
07/29/2013	14:26:10	33	0.0	8.47	0.0	
07/29/2013	14:26:12	31	0.0	8.47	0.0	
07/29/2013	14:26:42	32	0.0	8.47	0.0	
07/29/2013	14:27:12	31	0.0	8.47	0.0	
07/29/2013	14:27:42	192	3.2	8.46	0.9	
07/29/2013	14:28:12	38	0.1	8.48	2.5	
07/29/2013	14:28:42	41	0.0	8.48	2.6	
07/29/2013	14:29:12	42	0.0	8.48	2.6	
07/29/2013	14:29:42	88	0.0	8.47	2.6	
07/29/2013	14:30:12	2651	0.0	8.47	2.6	
07/29/2013	14:30:42	4753	0.0	8.47	2.6	
07/29/2013	14:31:12	4552	0.0	8.47	2.6	
07/29/2013	14:31:42	4528	0.0	8.47	2.7	
07/29/2013	14:31:53					psi test
07/29/2013	14:31:53	4523	0.0	8.47	2.7	
07/29/2013	14:32:12	4395	0.0	8.47	2.7	
07/29/2013	14:32:32					Reset Total, Vol = 2.67 bbl
07/29/2013	14:32:32	31	0.0	8.47	2.7	
07/29/2013	14:32:42	33	0.0	8.47	0.0	
07/29/2013	14:33:12	43	0.0	8.47	0.0	
07/29/2013	14:33:38					Start gelled water spacer
07/29/2013	14:33:38	58	0.1	8.47	0.0	
07/29/2013	14:33:42	64	0.7	8.47	0.1	
07/29/2013	14:33:56					Well has returns
07/29/2013	14:33:56	244	3.3	8.47	0.5	
07/29/2013	14:34:12	204	4.2	8.47	1.5	
07/29/2013	14:34:42	266	4.8	8.47	3.2	
07/29/2013	14:35:12	222	4.5	8.47	5.5	
07/29/2013	14:35:42	213	4.5	8.47	7.8	
07/29/2013	14:36:12	222	4.5	8.47	10.0	
07/29/2013	14:36:42	220	4.5	8.47	12.3	
07/29/2013	14:37:12	235	4.5	8.47	14.5	
07/29/2013	14:37:42	244	4.5	8.47	16.8	
07/29/2013	14:38:12	229	4.5	8.47	19.0	
07/29/2013	14:38:42	255	4.5	8.47	21.3	
07/29/2013	14:39:12	249	4.5	8.47	23.5	
07/29/2013	14:39:42	272	4.5	8.47	25.8	
07/29/2013	14:40:12	243	4.0	8.47	28.0	
07/29/2013	14:40:42	279	3.9	9.36	30.0	
07/29/2013	14:40:46					Reset Total, Vol = 30.27 bbl
07/29/2013	14:40:46	266	3.9	9.88	30.3	
07/29/2013	14:40:47					Start lead slurry
07/29/2013	14:40:47	249	3.8	10.04	0.1	
07/29/2013	14:41:12	314	3.8	12.49	1.5	
07/29/2013	14:41:42	338	3.1	12.92	3.2	
07/29/2013	14:42:12	462	5.9	12.66	5.2	
07/29/2013	14:42:42	81	1.9	13.41	8.1	
07/29/2013	14:43:12	392	3.6	13.14	8.6	
07/29/2013	14:43:42	381	6.2	13.29	11.5	
07/29/2013	14:44:12	475	6.0	13.67	14.6	
07/29/2013	14:44:42	411	6.0	13.43	17.6	
07/29/2013	14:45:12	458	5.9	13.63	20.5	

Well			Field	Job Start	Customer	Job Number
Brothers A 3306 # 2-1 Carother Brothers A 3306 # 2-1			Stohrville	Jul/29/2013	Sandridge	CDL7-00288
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/29/2013	14:46:12		395	6.0	13.70	26.5
07/29/2013	14:46:42		369	6.0	13.66	29.4
07/29/2013	14:47:12		344	5.6	13.67	32.3
07/29/2013	14:47:42		137	3.2	13.69	34.3
07/29/2013	14:48:12		294	5.0	13.55	36.7
07/29/2013	14:48:42		237	5.0	13.66	39.2
07/29/2013	14:49:12		164	3.5	13.69	41.2
07/29/2013	14:49:42		254	3.6	13.66	43.0
07/29/2013	14:50:12		287	3.8	13.30	44.8
07/29/2013	14:50:42		190	4.0	13.48	46.7
07/29/2013	14:51:12		174	4.0	13.03	48.7
07/29/2013	14:51:13					Reset Total, Vol = 53.72 bbl
07/29/2013	14:51:13		158	4.0	13.03	48.7
07/29/2013	14:51:15					Start tail slurry
07/29/2013	14:51:15		188	3.8	13.07	0.1
07/29/2013	14:51:42		189	4.2	13.48	2.0
07/29/2013	14:52:12		214	4.3	14.34	4.1
07/29/2013	14:52:42		209	4.4	15.05	6.3
07/29/2013	14:53:12		219	4.3	15.28	8.5
07/29/2013	14:53:42		202	4.5	15.47	10.7
07/29/2013	14:54:12		225	4.4	15.69	12.9
07/29/2013	14:54:42		229	4.5	15.82	15.2
07/29/2013	14:55:12		185	3.8	15.76	17.3
07/29/2013	14:55:42		175	3.8	15.84	19.2
07/29/2013	14:56:12		177	3.9	15.49	21.1
07/29/2013	14:56:42		151	3.8	15.80	23.1
07/29/2013	14:57:12		149	3.8	15.81	25.0
07/29/2013	14:57:42		35	0.0	16.25	25.5
07/29/2013	14:57:55					Reset Total, Vol = 21.49 bbl
07/29/2013	14:57:55		34	0.0	16.85	25.5
07/29/2013	14:58:12					Wash pump lines
07/29/2013	14:58:12		35	0.1	16.33	0.0
07/29/2013	14:58:42		55	0.0	15.85	0.0
07/29/2013	14:59:12		99	1.7	10.37	0.1
07/29/2013	14:59:42		198	3.7	9.67	1.3
07/29/2013	15:00:12		187	3.7	9.20	3.1
07/29/2013	15:00:42		203	4.1	8.85	5.0
07/29/2013	15:01:12		151	4.2	8.86	7.1
07/29/2013	15:01:42		152	4.2	8.69	9.2
07/29/2013	15:02:12		146	4.2	8.59	11.3
07/29/2013	15:02:42		135	4.2	8.54	13.4
07/29/2013	15:03:12		37	1.5	8.47	15.4
07/29/2013	15:03:42		118	3.8	8.47	16.8
07/29/2013	15:04:12		164	1.3	8.55	19.1
07/29/2013	15:04:42		27	0.0	8.47	19.1
07/29/2013	15:05:20					Reset Total, Vol = 19.10 bbl
07/29/2013	15:05:20		48	0.0	8.47	19.1
07/29/2013	15:05:21					Start displacement
07/29/2013	15:05:21					Top plug launched
07/29/2013	15:05:21		48	0.0	8.47	0.0
07/29/2013	15:05:42		33	0.0	8.47	0.0
07/29/2013	15:06:12		31	0.0	8.47	0.0
07/29/2013	15:06:42		30	0.0	8.47	0.0
07/29/2013	15:07:12		30	0.0	8.47	0.0

Well			Field	Job Start	Customer	Job Number
Brothers A 3306 # 2-1 Carother Brothers A 3306 # 2-1			Stohrville	Jul/29/2013	Sandridge	CDL7-00288
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/29/2013	15:08:12	48	1.8	8.43	0.2	
07/29/2013	15:08:42	78	3.8	8.47	1.8	
07/29/2013	15:09:12	108	4.7	8.47	4.0	
07/29/2013	15:09:42	109	4.9	8.47	6.4	
07/29/2013	15:10:12	109	5.2	8.47	9.1	
07/29/2013	15:10:42	108	5.2	8.47	11.7	
07/29/2013	15:11:12	108	5.4	8.47	14.3	
07/29/2013	15:11:42	96	5.1	8.47	16.9	
07/29/2013	15:12:12	96	5.1	8.47	19.4	
07/29/2013	15:12:42	100	5.1	8.47	22.0	
07/29/2013	15:13:12	100	4.8	8.47	24.4	
07/29/2013	15:13:42	98	4.8	8.47	26.8	
07/29/2013	15:14:12	101	4.8	8.47	29.2	
07/29/2013	15:14:42	101	4.8	8.47	31.6	
07/29/2013	15:15:12	101	4.8	8.47	34.0	
07/29/2013	15:15:42	101	4.8	8.47	36.4	
07/29/2013	15:16:12	98	4.8	8.47	38.9	
07/29/2013	15:16:42	101	4.8	8.47	41.3	
07/29/2013	15:17:12	102	4.8	8.47	43.7	
07/29/2013	15:17:42	99	4.8	8.47	46.1	
07/29/2013	15:18:12	101	4.8	8.47	48.5	
07/29/2013	15:18:42	100	4.8	8.47	50.9	
07/29/2013	15:19:12	101	4.8	8.47	53.3	
07/29/2013	15:19:42	98	4.8	8.47	55.7	
07/29/2013	15:20:12	100	4.8	8.47	58.1	
07/29/2013	15:20:42	98	4.8	8.47	60.5	
07/29/2013	15:21:12	102	4.8	8.47	62.9	
07/29/2013	15:21:42	102	4.8	8.47	65.3	
07/29/2013	15:22:12	95	4.8	8.47	67.7	
07/29/2013	15:22:42	101	4.8	8.47	70.1	
07/29/2013	15:23:12	157	4.2	8.47	72.3	
07/29/2013	15:23:42	254	4.2	8.47	74.3	
07/29/2013	15:24:12	270	4.1	8.47	76.4	
07/29/2013	15:24:42	102	4.7	8.47	78.5	
07/29/2013	15:25:12	101	4.8	8.47	80.9	
07/29/2013	15:25:16					Lost returns 80 bbls into displacement
07/29/2013	15:25:16	100	4.8	8.47	81.2	
07/29/2013	15:25:42	99	4.8	8.47	83.3	
07/29/2013	15:26:12	99	4.8	8.47	85.7	
07/29/2013	15:26:42	92	4.5	8.47	88.0	
07/29/2013	15:27:12	92	4.5	8.47	90.3	
07/29/2013	15:27:42	96	4.6	8.47	92.6	
07/29/2013	15:28:12	103	4.0	8.47	94.7	
07/29/2013	15:28:42	166	3.2	8.47	96.7	
07/29/2013	15:29:12	140	1.8	8.47	97.8	
07/29/2013	15:29:42	165	1.8	8.47	98.8	
07/29/2013	15:30:12	131	1.9	8.47	99.7	
07/29/2013	15:30:42	199	1.9	8.47	100.7	
07/29/2013	15:31:12	155	1.9	8.47	101.6	
07/29/2013	15:31:42	205	1.9	8.47	102.6	
07/29/2013	15:32:12	197	1.9	8.47	103.5	
07/29/2013	15:32:42	210	1.9	8.47	104.5	
07/29/2013	15:33:12	200	1.9	8.47	105.5	
07/29/2013	15:33:42	190	1.9	8.47	106.4	

Well		Field		Job Start		Customer		Job Number	
Brothers A 3306 # 2-1 Carother Brothers A 3306 # 2-1		Stohrville		Jul/29/2013		Sandridge		CDL7-00288	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/29/2013	15:34:42	88	0.0	8.47	107.6				
07/29/2013	15:35:12	66	0.0	8.47	107.6				
07/29/2013	15:35:42	151	0.8	8.47	107.7				
07/29/2013	15:36:12	226	1.2	8.47	108.3				
07/29/2013	15:36:42	292	2.1	8.47	108.9				
07/29/2013	15:37:12	347	2.7	8.47	110.2				
07/29/2013	15:37:42	380	2.7	8.47	111.6				
07/29/2013	15:38:12	378	2.7	8.47	112.9				
07/29/2013	15:38:42	1055	2.2	8.47	114.2				
07/29/2013	15:39:06					Bump plug			
07/29/2013	15:39:06	1079	0.0	8.47	114.3				
07/29/2013	15:39:12	1036	0.0	8.47	114.3				
07/29/2013	15:39:42	1018	0.0	8.47	114.4				
07/29/2013	15:40:12	1019	0.0	8.47	114.4				
07/29/2013	15:40:18					Check floats, Floats holding .25 bbl back			
07/29/2013	15:40:18	1031	0.0	8.47	114.4				
07/29/2013	15:40:42	191	0.0	8.47	114.4				
07/29/2013	15:41:08					End job			
07/29/2013	15:41:08	33	0.0	8.47	114.4				

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 3.3	N2	Mud 0.0	Maximum Rate 7.0	Total Slurry 75.0	Mud 0.0	Spacer 30.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 4989	Final 1041	Average 324	Bump Plug to 1079	Breakdown	Type FreshWater	Volume 3.0 bbl	Density 8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume 75.0 bbl		Displacement 112.4 bbl	Mix Water Temp 78 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume	
					Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative Sandridge repersanitive			Schlumberger Supervisor Anthony Cucci		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-	-	