

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 03-JUN-13		F.R. # 1001992055		SERV. SUPV. BARLEN M JOYNER	
LEASE & WELL NAME CASTOR 3-36-11-9-59 - API 05123370730000		LOCATION 36-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme Coil #17		TYPE OF JOB Surface			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 9-5/8 in	Float Collar, AI Flap, 9-5/8 - 8rd	NONE	0	0	NONE	0	0
	Centralizer, with Pins, 9-5/8 in						
	Cement Basket, Slip On, 9-5/8 in						
	Float Shoe 9-5/8 - 8rd						

MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water + 2 lbs Red Dye		0	0	8.34	0	0	00:00	10	
Type III Cmt + adds		0	145	14.5	1.42	6.69	02:00	36.62	23.10
Premium Lite Cement + adds		0	398	13	1.82	9.26	03:00	129.18	87.73
Fresh Water		0	0	8.34	0	0	00:00	106	
Type III Neat		0	30	14.8	1.33	6.33	00:00	7	4.47
Fresh Water		0	0	8.34	0	0	00:00	20	

Available Mix Water		500	Bbl.	Available Displ. Fluid		300	Bbl.	TOTAL		308.79	115.30
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HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	0	1436	8.921	9.625	36	CSG	1421	1421	J-55	1421	1371	0

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
15.	16	65	CSG	70	70	NO LINER	0	0	0	9.625	8RD	WATER BASED MU	9.5

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
106	BBLS	Fresh Water	8.34	395	0	0	0	0	2650	2000	RIG TANK

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2014 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:00	0	0	0	0	N/A	YARD CALL	
15:49	0	0	0	0	N/A	ARRIVE ON LOCATION (94 MILES) PUTTING DOWN LANDING JOINT	
15:55	0	0	0	0	N/A	RIG STARTED CIRCULATING WELL, WAITING ON BHI BULK TRUCKS	
15:58	0	0	0	0	N/A	SPOT TRUCKS	
15:59	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
16:45	0	0	0	0	N/A	TOLD THE BULK TRUCKS WERE HEADING TO LOCATION	
18:45	0	0	0	0	N/A	BULK TRUCKS ARRIVED	
19:00	0	0	0	0	N/A	SAFETY MEETING	
19:25	2014	0	0	0	WATER	PRESSURE TEST	
19:27	267	0	6	20	WATER	FRESH WATER SPACER	
19:31	274	0	6	10	WATER	FRESH WATER + DYE	
19:35	390	0	5.3	128	CMT	BATCH UP, WEIGH AND PUMP 398 SX OF PLC + 0.08% STATIC FREE + 3% CACL2 + 3% NACL + 0.5 LBS/SACK CELLO FLAKE + 2 LBS/SACK KOL-SEAL 50 LB/BAG + 6% BENTONITE @ 13 PPG	

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PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2014 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
20:20	356	0	4.6	34	CMT	BATCH UP, WEIGH AND PUMP 145 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1.5% CACL2 + 0.5 LBS/SACK CELLO FLAKE + 2 LBS/SACK KOL-SEAL 50 LB BAG @ 14.8 PPG	
20:31	0	0	0	0	N/A	RELEASE PLUG	
20:34	357	0	7.2	96	WATER	START DISPLACEMENT	
20:45	457	0	2.4	10	WATER	DROP RATE	
21:01	581	0	2.4	106	WATER	BUMP PLUG	
21:01	734	0	0	0	N/A	PLUG DOWN @ 106 BBLs	
21:01	0	0	0	0	N/A	WAITING FOR CEMENT TO FALL	
21:46	88	0	2	7	CMT	BATCH UP, WEIGH AND PUMP 30 SX OF TYPE III @ 14.8 PPG	
21:53	0	0	0	0	N/A	JOB DONE	
21:54	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
22:30	0	0	0	0	N/A	TIME OFF LOCATION	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	581	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	50	305	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT

Lab Report #C0605613

COMPANY :	Carrizo Oil & Gas Inc	DATE:	June 15, 2013
WELL NAME:	Shull 4-25-9-60	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface Casing Cement
API #	05-123-37243-0000	TOC(md):	
DEPTH MD(ft):	1,440 ft	BHST(°F):	109 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	85 °F
TUBING SIZE("):	9 5/8 in	BHSqT(°F):	94 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry #1: Premium Lite Cement + 6% Bentonite , 3% Calcium Chloride, 0.25 pps Cello Flake , 3% Sodium Chloride , 0.08% Static Free
#2	Slurry #2: Type III Cement + 1.5% Calcium Chloride + 0.25 pps Cello Flake + 0.08 pps Static Free
#3	Top Out Slurry: Type III Cement

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	14.80
Yield :cu.ft./sk.		1.82	1.42	1.33
Mixing Water: gal/sk.		9.26	6.69	6.33
Water Type:		Fresh	Fresh	Fresh
Testing Temperature :		86 °F	86 °F	91 °F
Thickening Time: hrs:mins.		5:38	2:44	2:33
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
Rheologies	RPM			
	300			
	200			
	100			
	6			
	3			
	600			
	PV			
	YP			
Gel Strength : #/100sq.ft.	10 sec.			
	10 min.	97		

REMARKS :

COMMENTS : The above data is supplied solely for informational purposes and BHI makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



Baker Hughes JobMaster Program Version 3.60

Job Number: 1001992055

Customer: Carrizo

Well Name: Castor 3-36-11-9-59

