

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 30-MAR-15		F.R. # 10011147088		SERV. SUPV. FELIPE LANDA							
LEASE & WELL NAME BRINGELSON RANCH #17-20-9-58 - API 051234115			LOCATION 20-9N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme Coil #19			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		Cement Basket, Slip On, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
		Float Collar, Auto Fill, 9-5/8 - 8rd												
		Float Shoe 9-5/8 - 8rd												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES								
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh Water + 2 lbs Red Dye							8.34				20			
Type III Cmt + adds						146	14.5	1.41	6.82	02:37	36.58	23.70		
Premium Lite Cmt + adds						291	13	1.81	9.46	00:49	94.02	65.54		
Fresh Water							8.34				107.8			
Available Mix Water 300 Bbl.				Available Displ. Fluid 300 Bbl.				TOTAL		258.40 89.24				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	40	1460	8.921	9.625	36	CSG	1439	1450		1439	1395	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		70	70	NO PACKER		0	0	0	9.625	8RD	WATER BASED	8.8
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				
107.8	BBLS	Fresh Water	8.34	380	0	0	0	0	3520	2816	TANK			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 3 BPM					
Mud Density In: 8.8 LBS/GAL Mud Density Out: 8.8 LBS/GAL						PV & YP Mud In:			PV & YP Mud Out:					
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation:			NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: VISUAL								
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 14		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 0						Competition:		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:				
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: 0 FT		Bottom of Plug: 0 FT						
Squeezes (Update Original Treatment Report for Primary Job)														
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>						
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL								
Casing Test (Update Original Treatment Report for Primary Job)														
Casing Test Pressure: 0 PSI						With 0 LBS/GAL Mud		Time Held: 00 Hours 00 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT	Target EMW: 0 LBS/GAL	Actual EMW: 0 LBS/GAL
Number of Times Tests Conducted: 0	Mud Weight When Test was Conducted: 0 LBS/GAL	

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

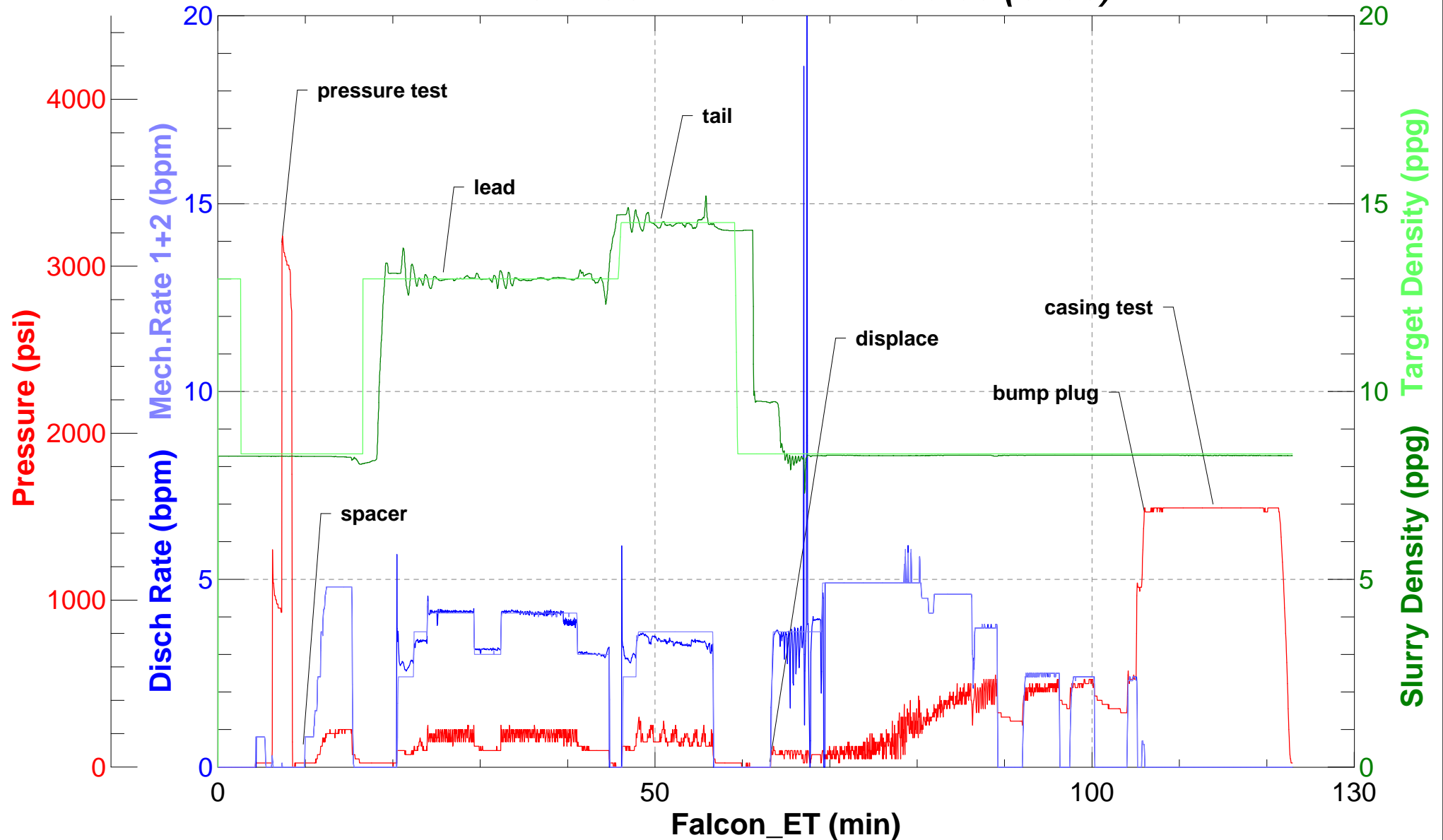
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
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 3182 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
23:15	0	0	0	0	NA	ARRIVE ON LOCATION 3/29/15 (rig starting to run casing)
00:00	0	0	0	0	NA	BHI STANDING BY
02:30	0	0	0	0	NA	CASING CREW RIGGING DOWN
03:00	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
03:40	0	0	0	0	NA	PRE JOB SAFETY MEETING
04:15	24	0	.8	1	H2O	LOAD LINES
04:16	3182	0	0	0	H2O	PRESSURE TEST
04:20	200	0	4.8	10	H2O	FRESH WATER
04:24	225	0	4.8	10	H2O	FRESH WATER + DYE
04:30	225	0	4.1	92	LEAD	291 SACKS OF PREMIUM LITE CEMENT + 0.04% STATIC FREE + 3% CALCIUM CHLORIDE + 3% SODIUM CHLORIDE + 0.25 lbs/sack CELLO FLAKE + 0.5 gals/100 sack FP-6L + 6% BENTONITE II @ 13 PPG
04:56	250	0	3.6	33	TAIL	146 TYPE III CEMENT + 0.04 lbs/sack STATIC FREE + 1.5% CALCIUM CHLORIDE + 0.25 lbs/sack CELLO FLAKE + 0.5 gals/100 sack FP-6L @ 14.5 PPG
05:13	0	0	0	0	NA	DROP PLUG
05:14	450	0	4.6	90	H2O	DISPLACE
05:37	525	0	3.6	10	H2O	RATE CHANGE
05:43	550	0	2.4	7	H2O	RATE CHANGE
05:56	1077	0	2.4	0	H2O	BUMP PLUG @ 107 BBLS (30 bbls cement to surface)
05:57	1528	0	1.8	0	H2O	CASING TEST
06:12	1528	0	0	0	H2O	END CASING TEST
06:25	0	0	0	0	H2O	POST JOB RIG DOWN SAFETY MEETING

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1077	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 30	TOTAL BBL. PUMPED 252	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
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BRINGELSON RANCH 17-20-9-58 (C956)





CEMENTING LABORATORY REPORT

Lab Report # C03-138-15

Proposal #1001177862A

COMPANY : Carrizo Oil & Gas Inc		DATE: March 19, 2015	
WELL NAME: Bringelson Ranch #17-20-9-58		LOCATION: Sec.20, 9N-58W	
DISTRICT: Brighton		TYPE JOB: Surface (Field Blend)	
API #: 05-123-41153-0000	RIG #: Xtreme Coil #19	TOC(md):	
DEPTH MD/TVD(ft): 1450	1450. #	BHST(°F): 109 °F	
CASING SIZE("/#): 9 5/8 in	36. #	BHCT(°F): 85 °F	
TUBING SIZE("/#):		BHSqT(°F): 94 °F	
HOLE SIZE("): 12 1/4 in		TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry FB: Premium Lite Cement + 6% Bentonite II +3% CaCl ₂ + 3% NaCl ₂ + 0.25 pps Cello Flake + 0.04% Static Free + 0.05 gal/100 sack FP-6L
#2	Tail Slurry FB: Type III Cement + 1.5% CaCl ₂ + 0.25 pps Cello Flake + 0.04 pps Static Free + 0.5 gal/100sack FP-6L
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	
Yield :cu.ft./sk.		1.81	1.41	
Mixing Water: gal/sk.		9.46	6.82	
Water Type:		Fresh	Fresh	
Testing Temperature :		82 °F	85 °F	
Thickening Time: hrs:mins.		2:48	1:52	
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
Rheologies		RPM		
		300		
		200		
		100		
		60		
		30		
		6		
		3		
		600		
		PV		
		YP		
Gel Strength : #/100sq.ft.		10 sec.		
		10 min.		

REMARKS :	
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COMMENTS : The above data is supplied solely for informational purposes and Baker Hughes 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.



FIELD RECEIPT NO. 10011147088

CUSTOMER CARRIZO OIL & GAS INC XML				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040003338 - 0040139823-1		INVOICE NUMBER	
MAIL INVOICE TO		STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499				CITY Houston		STATE Texas		ZIP CODE 77063	
DATE WORK COMPLETED		MO. 03	DAY 30	YEAR 2015	BHI REPRESENTATIVE FELIPE LANDA		WELL API NO: 05123411530000		WELL TYPE : New Well		
DISTRICT PP, BRIGHTON					JOB DEPTH (ft) 1,439			WELL CLASS : Oil			
WELL NAME AND NUMBER BRINGELSON RANCH #17-20-9-58					TD WELL DEPTH (ft) 1,460			GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 20-9N-58W				COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface	
PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112		Calcium Chloride				lbs	966	1.290	1,246.14	73%	336.46
100295		Cello Flake				lbs	110	5.100	561.00	73%	151.47
100404		Sodium Chloride				lbs	689	0.520	358.28	73%	96.74
398224		Premium Lite Cement				sacks	291	27.650	8,046.15	73%	2,172.46
488019		FP-6L				gals	3	104.250	312.75	73%	84.44
488449		Bentonite II				lbs	1520	0.440	668.80	73%	180.58
499632		Granulated Sugar				lbs	100	3.840	384.00	73%	103.68
499680		Static Free				lbs	16	40.700	651.20	73%	175.82
499703		Type III Cement				sacks	146	31.700	4,628.20	73%	1,249.61
		SUB-TOTAL FOR Product Material							16,856.52	73.00%	4,551.26
A152		Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00
M100		Bulk Materials Blending Charge				cu ft	603	5.450	3,286.35	73%	887.31
R798		Automatic Density System				job	1	1,990.000	1,990.00	73%	537.30
		SUB-TOTAL FOR Service Charges							5,486.35	70.21%	1,634.61
ARRIVE LOCATION :		MO. 03	DAY 29	YEAR 2015	TIME 23:15	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP. JEFF					CUSTOMER AUTHORIZED AGENT X						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X						
						CUSTOMER AUTHORIZED AGENT					



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PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
F055A		Cement Pumping, 1001 - 2000 ft				4hrs	1	4,875.000	4,875.00	73%	1,316.25	
F088		Cement Pumping, Additional hrs				hrs	2	900.000	1,800.00	28%	1,296.00	
F090		Fuel per pump charge - cement				pump/hr	5	70.250	351.25	0%	351.25	
J050		Cement Head				job	1	830.000	830.00	73%	224.10	
J225		Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	73%	575.10	
J390		Mileage, Heavy Vehicle				miles	94	11.850	1,113.90	73%	300.75	
J391		Mileage, Auto, Pick-Up or Treating Van				miles	94	6.700	629.80	73%	170.05	
		SUB-TOTAL FOR Equipment							11,729.95	63.91%	4,233.50	
J401		Bulk Delivery, Dry Products				ton-mi	2437	3.940	9,601.78	73%	2,592.48	
J402		Bulk Delivery, Standby Charge				hrs	2	226.500	453.00	28%	326.16	
		SUB-TOTAL FOR Freight/Delivery Charges							10,054.78	70.97%	2,918.64	
		FIELD ESTIMATE							44,127.60	69.77%	13,338.01	
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CUSTOMER REP. JEFF					CUSTOMER AUTHORIZED AGENT X							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X							
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