

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 16-NOV-14		F.R. # 10011116653		SERV. SUPV. Zachary Fagg								
LEASE & WELL NAME TIMBRO RANCH #2-34-10-59 - API 0512340525000		LOCATION 3-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme 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	NONE				Casing	1400 1400							
	Centralizer, with Fins, 9-5/8 in													
	Float Collar, AI Flap, 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		0	8.34	0	0	00:00	15							
Type III Cmt + adds		146	14.5	1.41	6.82	01:54	36.7 23.77							
Premium Lite Cmt + adds		403	13	1.81	9.46	04:04	129.9 90.56							
Fresh Water		0	8.34	0	0	00:00	132.20							
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL		313.80 114.33								
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	100	1750	8.921	9.625	36	CSG	1750	1750	J-55	1445	1400.55	1		
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	9.625	8 RND	FRESH WATER	8.34
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				
108.3	BBLS	Fresh Water	8.34	1252	0	0	0	0	2816	1531	RIG			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2				Circulation Rate: 4 BPM				
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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: 5 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 checked="" 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: 0		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: 1506 PSI						With 8.34 LBS/GAL Mud		Time Held: 00 Hours 15 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														

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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	

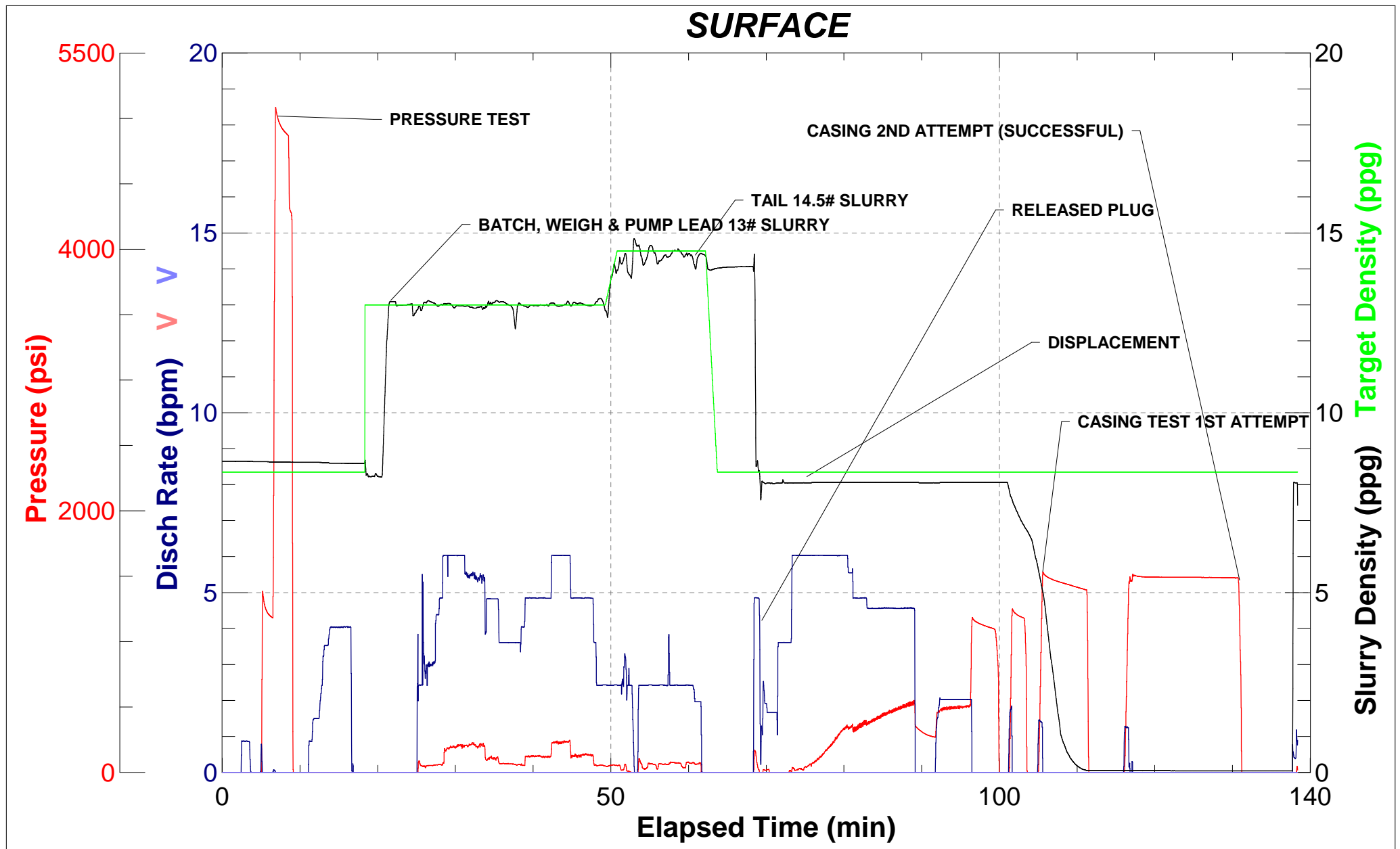
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

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	4000 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
19:45	0	0	0	0	N/A	LEFT DISTRICT	
22:30	0	0	0	0	N/A	ARRIVE ON LOCATION	
01:15	0	0	0	0	N/A	SPOT TRUCKS	
01:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING & RIG UP	
02:20	0	0	0	0	N/A	SAFETY MEETING	
04:05	0	0	.8	1	H2O	LOAD LINES	
04:07	1482	0	0	0	H2O	LOW PRESSURE TEST	
04:09	5095	0	0	0	H2O	HIGH PRESSURE TEST	
04:13	0	0	4	15	H2O	PRE FLUSH W/ DYE	
04:20	247	0	6	129	CMNT	BATCH, WEIGH & PUMP 13# LEAD SLURRY	
04:52	104	0	2.4	37	CMNT	PUMP 14.5 TAIL SLURRY	
05:10	0	0	0	0	N/A	DROP PLUG	
05:11	476	0	6	100	H2O	WASH UP AND DISPLACE	
05:30	491	0	2.4	8	H2O	SLOW RATE	
05:39	1175	0	0	0	H2O	BUMP PLUG	
05:42	0	0	0	0	H2O	CHECK FLOATS	
05:44	1252	0	0	0	H2O	BUMP PLUG	
05:46	0	0	0	0	H2O	CHECK FLOATS 2ND ATTEMPT (SUCCESSFUL)	
05:47	1531	0	0	0	H2O	CASING TEST 1ST ATTEMPT	
05:58	1506	0	0	0	H2O	CASING TEST 2ND ATTEMPT (SUCCESSFUL)	
05:15	0	0	0	0	N/A	SHUT DOWN	
	0	0	0	0	N/A	RIG DOWN SAFETY MEETING & RIG DOWN	
	0	0	0	0	N/A	LEAVE 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	1252	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	37	289	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	





CEMENTING LABORATORY REPORT

Lab Report #C11-047-14

COMPANY :	Carrizo Oil & Gas Inc.	DATE:	November 13, 2014
WELL NAME:	Timbro Ranch #2-34-10-59	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-40525-0000	TOC(md):	
DEPTH MD(ft):	1,450 ft	BHST(°F):	109 °F
CASING SIZE("):	9 5/8 in	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 : Premium Lite Cement + 6% Bentonite + 3% Calcium Chloride + 3% Sodium Chloride + 0.25 pps Cello Flake + 0.04% Static Free + 0.5 gps FP-6L
#2	Tail Slurry : Type III Cement + 1.5% Calcium Chloride + 0.25 pps Cello Flake + 0.04 pps Static Free + 0.5 gps 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 :			84 °F	83 °F	
Thickening Time: hrs:mins.			4:04	1:54	
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.			

REMARKS :	
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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.



FIELD RECEIPT NO. 10011116653

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. 11	DAY 16	YEAR 2014	BHI REPRESENTATIVE Zachary Fagg		WELL API NO: 05123405250000		WELL TYPE : New Well			
DISTRICT PP, BRIGHTON					JOB DEPTH (ft) 1,400			WELL CLASS : Oil				
WELL NAME AND NUMBER TIMBRO RANCH #2-34-10-59					TD WELL DEPTH (ft) 1,465			GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 3-9N-59W				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	1258	1.290	1,622.82	70%	486.85	
100295		Cello Flake				lbs	138	5.100	703.80	70%	211.14	
100404		Sodium Chloride				lbs	954	0.520	496.08	70%	148.82	
398224		Premium Lite Cement				sacks	403	27.650	11,142.95	70%	3,342.89	
488019		FP-6L				gals	4	104.250	417.00	70%	125.10	
488449		Bentonite II				lbs	2104	0.440	925.76	70%	277.73	
499632		Granulated Sugar				lbs	100	3.840	384.00	70%	115.20	
499680		Static Free				lbs	20	40.700	814.00	70%	244.20	
499703		Type III Cement				sacks	146	31.700	4,628.20	70%	1,388.46	
		SUB-TOTAL FOR Product Material							21,134.61	70.00%	6,340.39	
A152		Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00	
M100		Bulk Materials Blending Charge				cu ft	745	5.450	4,060.25	70%	1,218.08	
R798		Automatic Density System				job	1	1,990.000	1,990.00	70%	597.00	
		SUB-TOTAL FOR Service Charges							6,260.25	67.65%	2,025.08	
ARRIVE LOCATION :		MO. 11	DAY 15	YEAR 2014	TIME 22:30	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. BOB MCNEESE					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	70%	1,462.50	
F090	Fuel per pump charge - cement					pump/hr	6	70.250	421.50	0%	421.50	
J050	Cement Head					job	1	830.000	830.00	70%	249.00	
J225	Data Acquisition, Cement, Standard					job	1	2,130.000	2,130.00	70%	639.00	
J390	Mileage, Heavy Vehicle					miles	192	11.850	2,275.20	70%	682.56	
J391	Mileage, Auto, Pick-Up or Treating Van					miles	192	6.700	1,286.40	70%	385.92	
K289	Misc Cement Pumping, Non-Pump Time					hrs	14	575.000	8,050.00	70%	2,415.00	
	SUB-TOTAL FOR Equipment								19,868.10	68.51%	6,255.48	
J401	Bulk Delivery, Dry Products					ton-mi	3032	3.940	11,946.08	70%	3,583.82	
J402	Bulk Delivery, Standby Charge					hrs	2	226.500	453.00	70%	135.90	
	SUB-TOTAL FOR Freight/Delivery Charges								12,399.08	70.00%	3,719.72	
	FIELD ESTIMATE								59,662.04	69.26%	18,340.67	
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