

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS			DATE 27-SEP-12		F.R. # 1001937407		SERV. SUPV. CHRISTOPHER M MCKEON							
LEASE & WELL NAME JONES 18-14-10-59 - API 05123353130000			LOCATION 18-10N-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			
9-5/8" Top Cem Plug, Nitrile cvr, Phe		Cement Basket, Slip On, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
		Float Collar, Auto Fill, 9-5/8 - 8rd												
		Guide Shoe, Cement Nose, 9-5/8 in												
PHYSICAL SLURRY PROPERTIES														
MATERIALS FURNISHED BY BJ			LAB REPORT NO.			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	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 Cement + adds						138	14.5	1.40	6.81		34.45	22.37		
Premium Lite Cement + adds						417	13	1.77	9.20		131.26	91.34		
Fresh Water						0	8.34	0	0	00:00	108.23			
Available Mix Water 300 Bbl.			Available Displ. Fluid 300 Bbl.			TOTAL					288.95	113.71		
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	100	1455	8.921	9.625	36	CSG	1442	1442	K-55	1442	1396			
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 packer			0	0	9.625	8RD	WATER BASED	8.5
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		
108	BBLs	Fresh Water		8.34	372	0		0	0	0	2816	2000	Rig Tank	
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM						
Mud Density In: 8.5 LBS/GAL				Mud Density Out: 8.5 LBS/GAL				PV & YP Mud In: 0				PV & YP Mud Out: 0		
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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 10				Type: <input checked="" 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: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA														

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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)
 NA

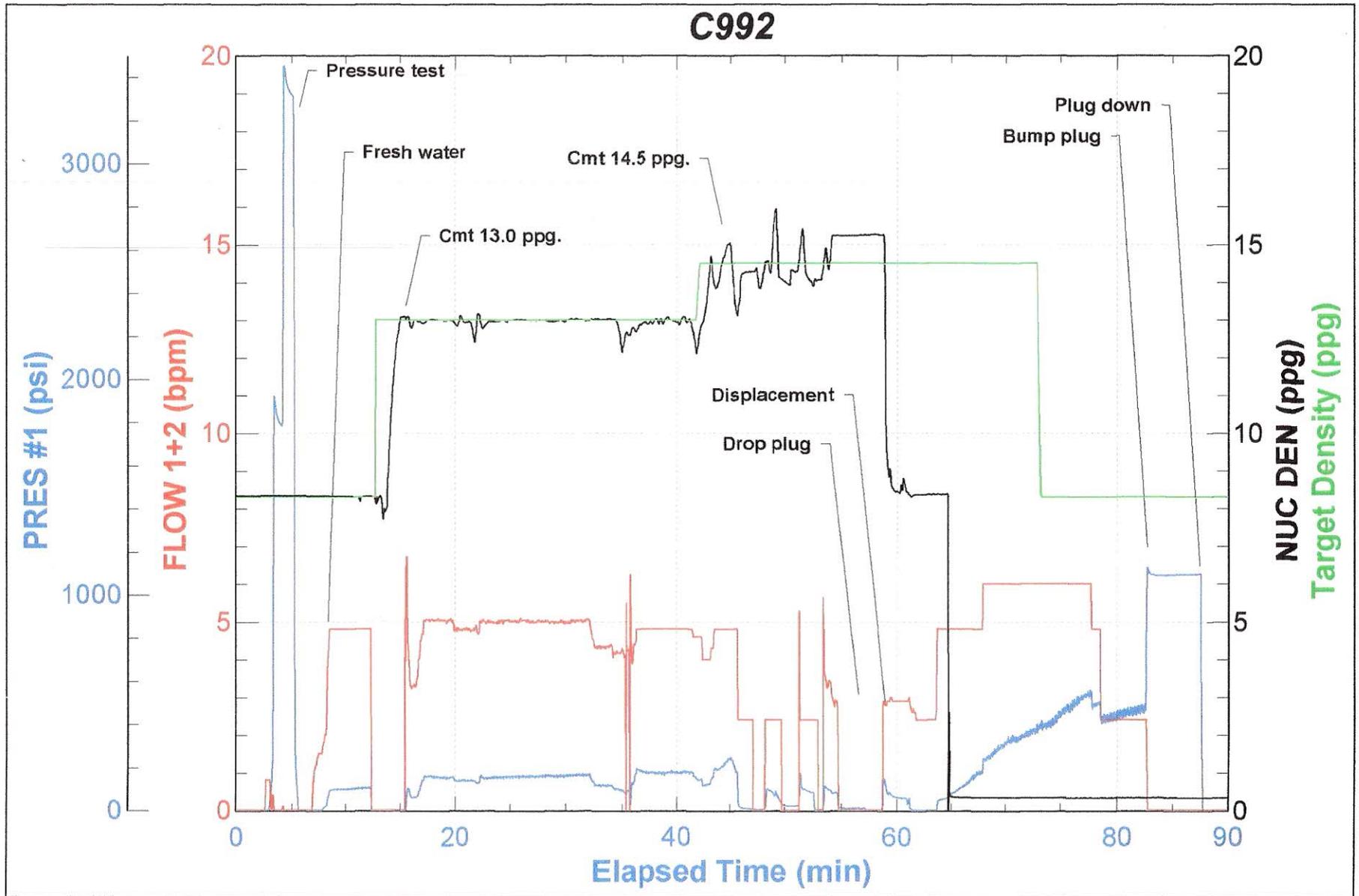
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NA

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NA

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	3473 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:55	0	0	0	0	NA	Arrive location/ Casing crew broke down	
19:30	0	0	0	0	NA	Spot trucks	
19:35	0	0	0	0	NA	Rig up safety meeting	
23:50	0	0	0	0	NA	Casing crew begins rig down/ rig circulates	
00:50	0	0	0	0	NA	Pre job safety meeting	
01:12	1928	0	0	0	H2O	Low Pressure test	
01:13	3473	0	0	0	H2O	High pressure test	
01:15	100	0	4.8	10	H2O	Fresh water	
01:19	103	0	4.8	10	H2O	Dyed water	
01:24	157	0	5	127	CMT	Batch up, weigh and pump 417 sx. PLC @ 13.0 ppg.	
01:50	123	0	4	28	CMT	Batch up, weigh and pump 138 sx. Type III Cement @ 14.5 ppg.	
02:06	0	0	0	0	NA	Drop plug	
02:08	528	0	6	95	H2O	Start displacement	
02:27	501	0	4.8	5	H2O	Rate change	
02:28	408	0	2.4	8	H2O	Rate change	
02:32	521	0	2.4	108	H2O	Bump plug	
02:37	1031	0	0	0	NA	Plug down/ Check floats	
02:45	0	0	0	0	NA	Rig down safety meeting	

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 type="checkbox"/> Y <input type="checkbox"/> N	521	<input type="checkbox"/> Y <input type="checkbox"/> N	50	283	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

X





FIELD RECEIPT NO. 1001937407

CUSTOMER CARRIZO OIL & GAS		CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20015134 - 00250300	INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER 1000 LOUISIANA ST, STE 1699		CITY Houston		STATE Texas	ZIP CODE 77002	
DATE WORK COMPLETED	MO. 09	DAY 27	YEAR 2012	BHI REPRESENTATIVE CHRISTOPHER M MCKEON	WELL API NO: 05123353130000	WELL TYPE : New Well
DISTRICT BJS, BRIGHTON		JOB DEPTH (ft) 1,442		WELL CLASS : Oil		
WELL NAME AND NUMBER JONES 18-14-10-59		TD WELL DEPTH (ft) 1,455		GAS USED ON JOB : No Gas		
WELL LOCATION :	LEGAL DESCRIPTION 18-10N-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	1219	1.290	1,572.51	65%	550.38
100120	Bentonite	lbs	2177	0.530	1,153.81	65%	403.83
100295	Cello Flake	lbs	140	5.100	714.00	65%	249.90
398224	Premium Lite Cement	sacks	417	27.650	11,530.05	65%	4,035.52
488019	FP-6L	gals	5	104.250	521.25	65%	182.44
499632	Granulated Sugar	lbs	100	3.840	384.00	65%	134.40
499680	Static Free	lbs	41	40.700	1,668.70	65%	584.05
499703	Type III Cement	sacks	138	31.700	4,374.60	65%	1,531.11
86720-1	9-5/8" Top Cem Plug, Nitrile cvr, Phen	ea	1	404.000	404.00	65%	141.40
SUB-TOTAL FOR Product Material					22,322.92	65.00%	7,813.03
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	626	5.450	3,411.70	65%	1,194.10
R798	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50
SUB-TOTAL FOR Service Charges					5,611.70	62.57%	2,100.60

ARRIVE LOCATION :	MO. 09	DAY 27	YEAR 2012	TIME 18:55	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 Myers	SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/>
					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	65%	1,706.25
F088	Cement Pumping, Additional hrs	hrs	4	900.000	3,600.00	65%	1,260.00
F090	Fuel per pump charge - cement	pump/hr	4	70.250	281.00	0%	281.00
J050	Cement Head	job	1	830.000	830.00	65%	290.50
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	65%	745.50
J390	Mileage, Heavy Vehicle	miles	194	11.850	2,298.90	65%	804.62
J391	Mileage, Auto, Pick-Up or Treating Van	miles	194	6.700	1,299.80	65%	454.93
	SUB-TOTAL FOR Equipment				15,314.70	63.81%	5,542.80
J401	Bulk Delivery, Dry Products	ton-mi	2562	3.940	10,094.28	65%	3,533.00
	SUB-TOTAL FOR Freight/Delivery Charges				10,094.28	65.00%	3,533.00
	FIELD ESTIMATE				53,343.60	64.40%	18,989.43

Well: JONES 18-14-10-59
 AFE: 312-184
 Code: 160-110
 Description: SURFACE CEMENT
 Amount Approved: 18,989.43
 Approved By: [Signature]

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CUSTOMER REP. Jeff Myers					X	CUSTOMER AUTHORIZED AGENT
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					X	BHI APPROVED
					X	CUSTOMER AUTHORIZED AGENT