

# CEMENT JOB REPORT



<b>CUSTOMER</b> NGL WATER SOLUTIONS DJ L			<b>DATE</b> 05-AUG-14		<b>F.R. #</b> 10011087569			<b>SERV. SUPV.</b> Zachary Fagg						
<b>LEASE &amp; WELL NAME</b> SWD #C11 - API 05123385330000			<b>LOCATION</b> 27-5N-61W			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado								
<b>DISTRICT</b> Brighton			<b>DRILLING CONTRACTOR RIG #</b>			<b>TYPE OF JOB</b> Intermediate								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>			<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
Cement Plug, Rubber, Top 7 in		Float Shoe 7 - 8rd												
		Float Collar, Pop Valve, 7 - 8rd												
		Centralizer, with Pins, 7 in												
		Cement Basket, Slip On, 7 in												
		Stage Cementing Tool 7 - 8rd												
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>								
						<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>		
Fresh Water						0	8.34	0	0	00:00	20			
UltraFlush Spacer						0	11.5	0	0	00:00	20			
(50:50:2) + Addds						160	14.4	1.45	6.33	05:02	41	23.93		
Fresh Water							8.34				296.15			
Fresh Water						0	8.34	0	0	00:00	10			
UltraFlush						0	11.5	0	0	00:00	20			
PLC + Addds						625	12.7	1.86	9.98	00:00	207	148.81		
(50:50:2) + Addds						50	14.4	1.45	6.33	00:00	0	0		
DRILLING MUD						0	9.3	0	0	00:00	242			
DRILLING MUD						0	0	0	0	00:00	294			
<b>Available Mix Water</b> 500 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 500 <b>Bbl.</b>				<b>TOTAL</b>		1150.15		172.74		
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>						<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
8.75	25	7749	6.276	7	26	CSG	7738	7738	P-110	7738	7691	6331		
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>				<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
8.9	9.63	36	CSG	737	737	NO PACKER		0	0	0	7	8 RND	WATER BASED	9.3
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>		<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
536	BBLS	Fresh Water DRILLING MUD		8.34 9.3	1432	0	0	0	0	7968	5455	RIG		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 10				Circulation Rate: 5 BPM						
Mud Density In: 9.3 LBS/GAL				Mud Density Out: 9.3 LBS/GAL				PV & YP Mud In: 10		PV & YP Mud Out: 10				
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"/>				
<b>Displacement And Mud Removal</b>														
Displaced By: Rig <input checked="" type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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: 40				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														
<b>Plugs</b>														
Number of Attempts by BJ: 0				Competition: 0				Wiper Balls Used: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES					Quantity: 0	
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						

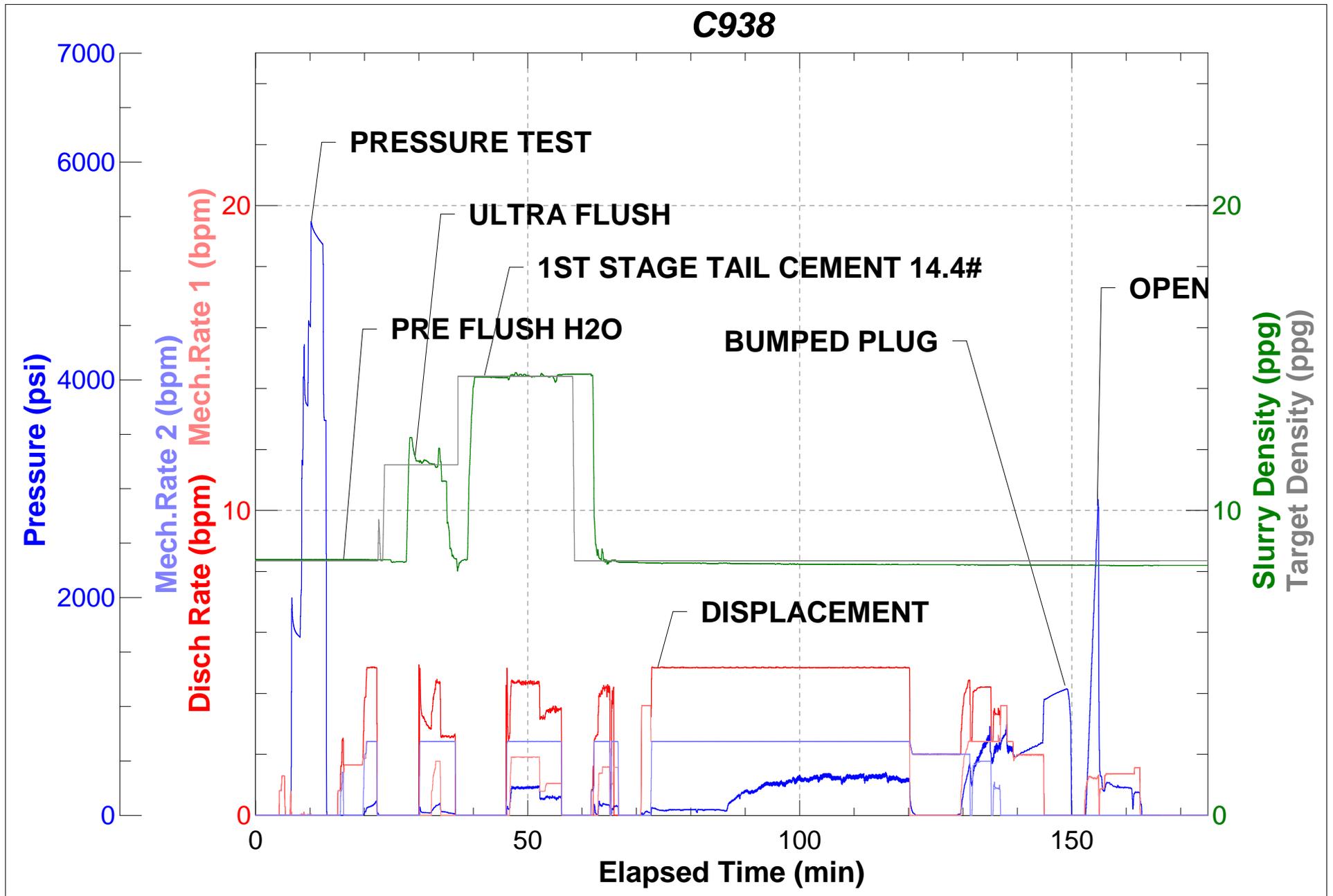


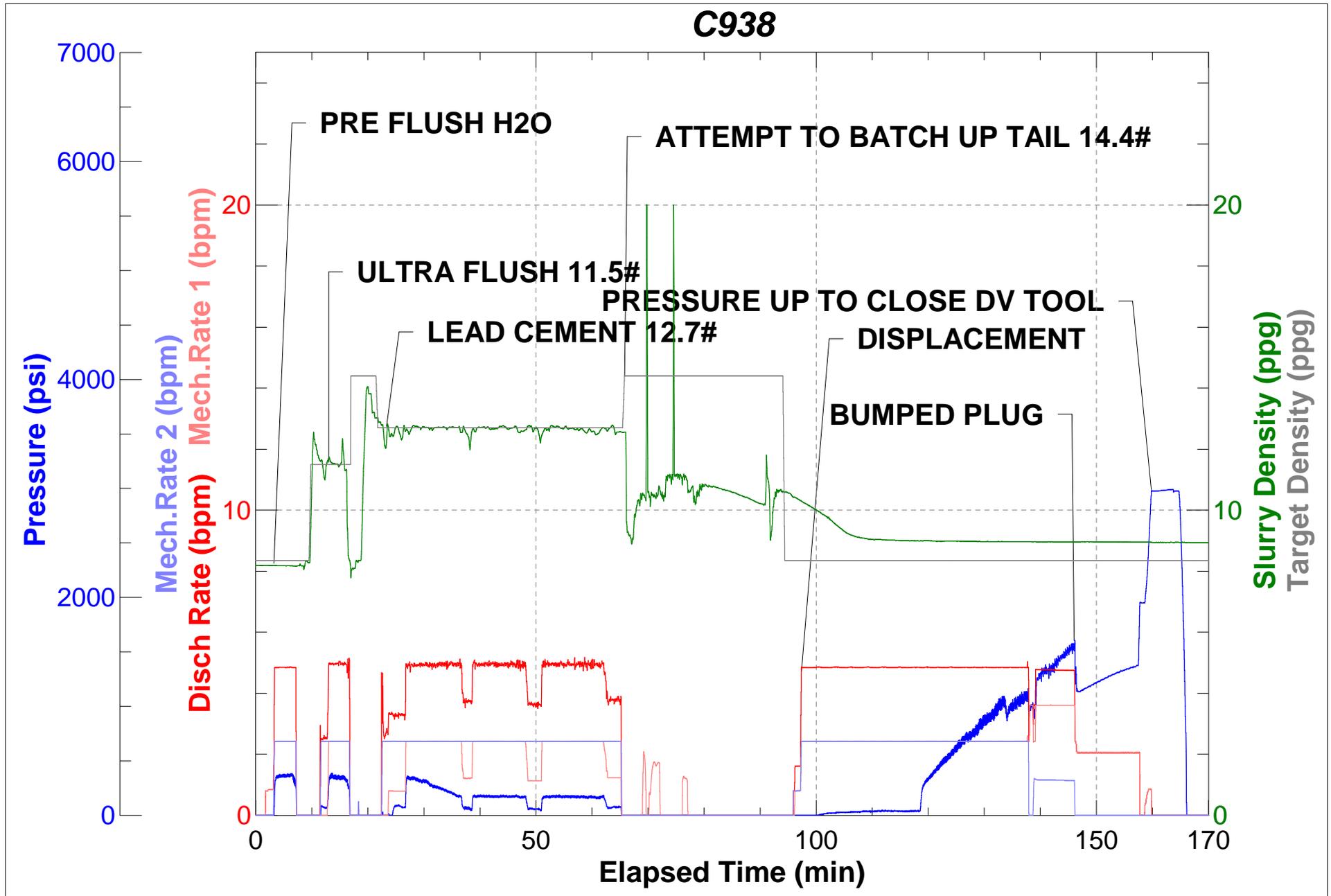
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PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5455 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
17:31	251	0	4.8	20	WATER	PRE FLUSH	
17:41	333	0	4.9	20	WATER	ULTRA FLUSH	
17:47	300	0	4.9	202	CMNT	LEAD CEMENT 12.7 PPG	
18:36	0	0	0	0	CMNT	ATTEMPTED TO BATCH UP AND SEND TAIL SLURRY	
18:40	0	0	0	0	N/A	BLEW HYDRAULIC HOSE ON SLURRY PUMP	
18:55	0	0	0	0	N/A	COMPANY REP DECIDED AFTER EXHAUSTING ALL OF OUR OPTIONS TO GO AHEAD AND SKIP TAIL SLURRY AND DISPLACE	
19:01	0	0	0	0	N/A	LOAD PLUG	
19:05	0	0	0	0	N/A	DROP PLUG	
19:06	937	0	4.8	242	MUD	DISPLACEMENT	
20:07	1948	0	0	242	MUD	BUMPED PLUG (APPROX 4 BBLS OF UF TO SURFACE)	
20:09	2987	0	0	0	MUD	PRESSURE UP TO CLOSE DV TOOL (HOLD FOR FIVE MINUTES)	
20:18	0	0	0	0	N/A	RIG DOWN SAFETY MEETING	
20:20	0	0	0	0	N/A	RIG DOWN	
20:41	0	0	0	0	N/A	CREW CLEANS UP SPILL	
22:30	0	0	0	0	N/A	LEAVE LOCATION	

<b>BUMPED PLUG</b>	<b>PSI TO BUMP PLUG</b>	<b>TEST FLOAT EQUIP.</b>	<b>BBL.CMT RETURNS/ REVERSED</b>	<b>TOTAL BBL. PUMPED</b>	<b>PSI LEFT ON CSG</b>	<b>SPOT TOP OUT CEMENT</b>	<b>Service Supervisor Signature:</b>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1055	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	866	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	







FIELD RECEIPT NO. 10011087569

CUSTOMER NGL WATER SOLUTIONS DJ LLC					CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 0040152619 - 0040152619	INVOICE NUMBER		
MAIL INVOICE TO :		STREET OR BOX NUMBER 8207 W 20TH ST			CITY Greeley	STATE Colorado	ZIP CODE 80634			
DATE WORK COMPLETED	MO. 08	DAY 05	YEAR 2014	BHI REPRESENTATIVE Zachary Fagg	WELL API NO: 05123385330000	WELL TYPE : New Well				
DISTRICT BJS, BRIGHTON					JOB DEPTH(ft) 7,738	WELL CLASS : Injection				
WELL NAME AND NUMBER SWD #C11					TD WELL DEPTH(ft) 7,749	GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 27-5N-61W			COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Intermediate			
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement				sacks	80	31.800	2,544.00	55%	1,144.80
100121	Silica Flour				lbs	2688	0.590	1,585.92	55%	713.66
100275	Sodium Metasilicate				lbs	41	4.100	168.10	55%	75.65
100283	R-3				lbs	34	3.840	130.56		130.56
100316	Barite, Bulk				lbs	7000	0.630	4,410.00	55%	1,984.50
100317	Poz (Fly Ash)				sacks	80	14.200	1,136.00	55%	511.20
398117	Ultra Flush II System				bbbls	40	213.500	8,540.00	55%	3,843.00
398224	Premium Lite Cement				sacks	625	27.650	17,281.25	55%	7,776.56
488013	CD-32				lbs	27	13.300	359.10	55%	161.60
488015	FL-52				lbs	449	26.900	12,078.10	55%	5,435.15
488019	FP-6L				gals	8	104.250	834.00	55%	375.30
488449	Bentonite II				lbs	3532	0.440	1,554.08	55%	699.34
499705	ASA-301				lbs	109	20.250	2,207.25	55%	993.26
SUB-TOTAL FOR Product Material								52,828.36	54.86%	23,844.58
ARRIVE LOCATION :	MO. 08	DAY 04	YEAR 2014	TIME 17:45	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. CHRIS MONTOYA					CUSTOMER AUTHORIZED AGENT			X		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								BHI APPROVED		
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PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge				cu ft	1243	5.450	6,774.35	55%	3,048.46
	SUB-TOTAL FOR Service Charges							6,984.35	53.35%	3,258.46
F067A	Cement Pumping, 7001 - 8000 ft				6hrs	1	9,525.000	9,525.00	55%	4,286.25
F090	Fuel per pump charge - cement				pump/hr	2	70.250	140.50	0%	140.50
J050	Cement Head				job	1	830.000	830.00	55%	373.50
J225	Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	55%	958.50
J390	Mileage, Heavy Vehicle				miles	126	11.850	1,493.10	55%	671.90
J391	Mileage, Auto, Pick-Up or Treating Van				miles	126	6.700	844.20	55%	379.89
K230	Multiple Stage Cementing				stage	1	4,875.000	4,875.00	55%	2,193.75
	SUB-TOTAL FOR Equipment							19,837.80	54.61%	9,004.29
J401	Bulk Delivery, Dry Products				ton-mi	3233	3.940	12,738.02	55%	5,732.11
	SUB-TOTAL FOR Freight/Delivery Charges							12,738.02	55.00%	5,732.11
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PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
	FIELD ESTIMATE						92,388.53	54.71%	41,839.44
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