BAKER HUGHES

FIELD RECEIPT NO. **10011057555**

CUSTOMER	CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
NOBLE ENERGY INC - XML			20077336 - 00212896	

MAIL INVOICE TO	STREET OR BOX NUMBER	CITY	STATE	ZIP CODE
	100 GLENBOROUGH DR, STE 100	Houston	Texas	77067

DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :
	04	05	2014	JASON L SJOBERG	05123117490000	Old Well

DISTRICT	JOB DEPTH(ft)	WELL CLASS :
BJS, BRIGHTON	5,264	Gas

WELL NAME AND NUMBER	TD WELL DEPTH(ft)	GAS USED ON JOB :
GRUEN #22-1	5,264	No Gas

WELL LOCATION :	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :
	22-6N-64W	Weld	Colorado	Squeeze-Top

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement	sacks	50	31.800			
100112	Calcium Chloride	lbs	150	1.290			
100120	Bentonite	lbs	1740	0.530			
100275	Sodium Metasilicate	lbs	87	4.100			
100404	Sodium Chloride	lbs	50	0.520			
398224	Premium Lite Cement	sacks	200	27.650			
488019	FP-6L	gals	3	104.250			
488353	CSE-2	lbs	600	1.700			
499632	Granulated Sugar	lbs	100	3.840			
	SUB-TOTAL FOR Product Material						
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000			
M100	Bulk Materials Blending Charge	cu ft	309	5.450			
	SUB-TOTAL FOR Service Charges						

ARRIVE LOCATION :	MO.	DAY	YEAR	TIME
	04	05	2014	11:03

CUSTOMER REP.
Pete Burns

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

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.

CUSTOMER AUTHORIZED AGENT

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT
X

BHI APPROVED
X

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
NOBLE ENERGY INC - XML	05-APR-14	10011057555	JASON L SJOBERG

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
GRUEN #22-1 - API 05123117490000	22-6N-64W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	WORKOVER	Squeeze-Top

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	NA-Squeeze						
	No Shoe						

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		0	8.34	0	0	03:30	6	
Fresh Water		0	8.3	0	0		10	
Cement Slurry		50	15.8	1.15	5.00		10.22	5.95
PLC + adds		200	10.5	3.98	25.63		141.89	122.04
						TOTAL	168.11	127.99

Available Mix Water 200 Bbl. Available Displ. Fluid 200 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
13	0	5264	4.052	4.5	10.5	CSG	5264	5264	P-110	0	0	0
			1.278	1.66	3.02	TBG	5264	5264	N-80			

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.1	8.63	24	CSG	306	306	No Packer	0	0	0	1.66	8 RND	WATER BASED	8.34

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
3	BBLS	Fresh Water	8.34	0	0	0	9440	3000	0	0	Truck

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] Circulation Time: 7 Circulation Rate: 1.5 BPM

Mud Density In: 8.34 LBS/G Mud Density Out: 8.34 LBS/GAL PV & YP Mud In: 0 PV & YP Mud Out: 0

Gas Present: NO [X] YES [ ] Units: Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] Amount Bled Back After Job: 0 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL Method Used to Verify Returns: Visual

Cement Returns at Surface: [ ] YES [X] NO Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [X] NO [ ] YES Quantity: Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES Bond Log: [X] NO [ ] 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

BAKER HUGHES

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)

Wrong directions on rec and dispatch sheet, showed up at wrong location at 9:20, Called back to yard to get Pete Burns' phone number to let him know and get directions from him.

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)

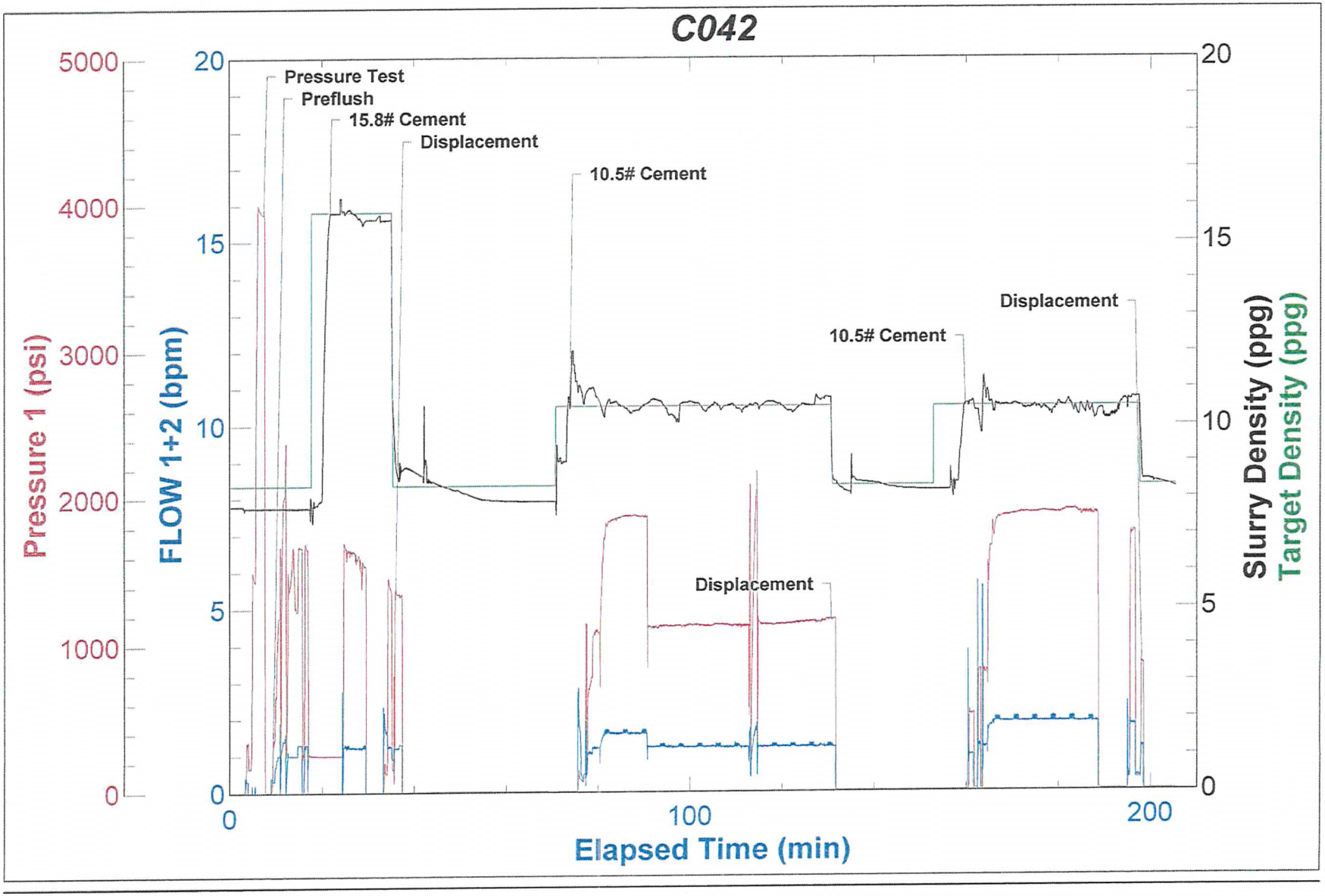
None

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 4007 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
05:00	0	0	0	0	N/A	Yard Call
08:20	0	0	0	0	N/A	Leave Yard
11:03	0	0	0	0	N/A	Arrive on location (Wrong directions on rec and dispatch sheet)
11:07	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting
11:47	0	0	0	0	N/A	Safety Meeting
11:55	4007	0	0	0	H2O	Pressure Test Pump and Lines
12:00	1677	0	1.3	6	H2O	Preflush Fresh Water
12:11	1638	0	1.3	8.5	CMT	Batch, Weigh, Pump 15.8# G Cement
12:25	1379	0	1.2	3	H2O	Displacement
12:32	0	0	0	0	N/A	Rig Pull Tubing
13:01	1237	0	1.2	70	CMT	Batch, Weigh, Pump 10.5# PLC + 10% Bentonite + .5% SMS + 3 lbs/sack CSE-2
14:01	1157	0	1.2	1.5	H2O	Displacement
14:03	0	0	0	0	N/A	Rig Pull Tubing
14:26	1850	0	2	52	CMT	Batch and Pump 10.5# PLC + 10% Bentonite + .5% SMS + 3 lbs/sack CSE-2
15:08	887	0	1.2	1	H2O	Displacement
15:30	0	0	0	0	N/A	Post Job 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:
Y [N]	0	Y [N]	0	143	0	Y [N]	

Baker Hughes JobMaster Program Version 3.60

Job Number: 10011057555
Customer: Noble
Well Name: Gruen 22-1



Job Start: Saturday, April 05, 2014