

HALLIBURTON

Field Ticket

Field Ticket Number: 900685273		Field Ticket Date: Friday, August 23, 2013	
Bill To: NOBLE ENERGY INC E-BUSINESS DONOTMAIL-1001 NOBLE ENERGY WAY HOUSTON, TX 77070		Job Name: Trebor Order Type: Streamline Order (ZOH) Well Name: Trebor B11-12 Company Code: 1100 Customer PO No.: NA Shipping Point: Fort Lupton, CO, USA Sales Office: Rocky Mountains BD Well Type: Oil Well Category: Development	
Ship To: TREBOR #B11-12,WELD TREBOR #B11-12 3096207 S11-T5N-R64W KERSEY, CO 80644			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	0.00				
76400	ZI MILEAGE,CMT MTLN DEL/RET MIN NUMBER OF TONS	40 18.82	MI	0.00				
3965	HANDLE&DUMP SVC CHR, CMT&ADDITIVES,ZI NUMBER OF EACH Unit of Measurement	401 1	CF EA	0.00				
452986	HALCEM (TM) SYSTEM	400	SK					
100008028	SUGAR, GRANULATED, IMPERIAL	50	LB	0.00				

Halliburton Rep: LARRY LAVALLEY **Totals**
Customer Agent: Pete Burns
Halliburton Approval:

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED HEREIN AND ON THE ATTACHED DOCUMENTS.

X _____ FIELD TICKET TOTAL USD 14,104.70
 Customer Signature
 Was our HSE performance satisfactory? Y or N Were you satisfied with our Equipment? Y or N
 (Health, Safety, Environment)
 Comments

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3096207	Quote #:	Sales Order #: 900685273
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Burns, Pete	
Well Name: Trebor	Well #: B11-12	API/UWI #: 05-123-13520	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.412 deg. OR N 40 deg. 24 min. 42.858 secs.		Long: W 104.53 deg. OR W -105 deg. 28 min. 12.706 secs.	
Contractor: Noble	Rig/Platform Name/Num: Workover 302		
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	3	524682	DA COSTA, CHARLES Angelo	3	551308	LAVALLEY, LARRY P	3	419296
PETERSON, ERIC Eugene	3	213272	WILEY, JAMES A	3	440080			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866497C	40 mile	11488570C	40 mile	11518549	40 mile	11764737	40 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/23/13	3.5							

TOTAL	<i>Total is the sum of each column separately</i>							
--------------	---	--	--	--	--	--	--	--

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	23 - Aug - 2013	08:45	MST
Job depth MD	1515. ft	Job Depth TVD	Job Started	23 - Aug - 2013	09:30	MST
Water Depth	Wk Ht Above Floor		Job Completed	23 - Aug - 2013	11:20	MST
Perforation Depth (MD) From	To		Departed Loc	23 - Aug - 2013	12:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
4 1/2" Production Casing	Unknown		4.5	3.826	15.1	BTC	J-55	.	2500.		
1 1/4" CSI Tubing Drill Pipe	Unknown		1.25	.671	3.02	8 RD	P-110	.	1515.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

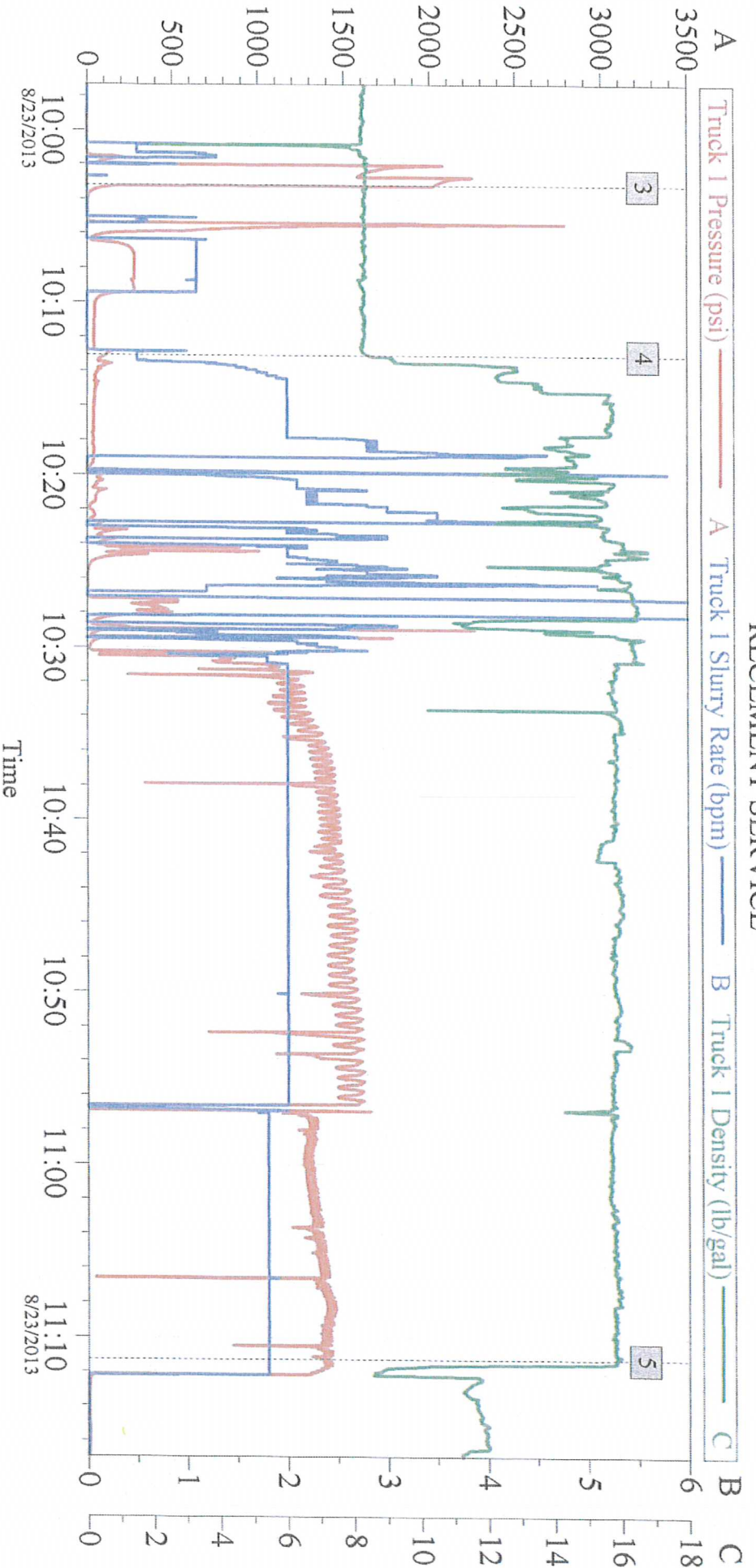
1	15.8# Cement w/HR-5	HALCEM (TM) SYSTEM (452986)	400.0	sacks	15.8	1.15	5.0		5.0
5 Gal		FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	1.5	Shut In: Instant		Lost Returns		Cement Slurry	82	Pad	
Top Of Cement	515	5 Min		Cement Returns	0	Actual Displacement	1.5	Treatment	
Frac Gradient		15 Min		Spacers	4	Load and Breakdown		Total Job	87.5
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job			2
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3096207	Quote #:	Sales Order #: 900685273
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Burns, Pete	
Well Name: Trebor	Well #: B11-12	API/UWI #: 05-123-13520	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Legal Description:			
Lat: N 40.412 deg. OR N 40 deg. 24 min. 42.858 secs.		Long: W 104.53 deg. OR W -105 deg. 28 min. 12.706 secs.	
Contractor: Noble		Rig/Platform Name/Num: Workover 302	
Job Purpose: Recement Service			Ticket Amount:
Well Type: Development Well		Job Type: Recement Service	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	08/23/2013 09:33							
Test Lines	08/23/2013 10:03						2030.0	FRESH WATER WITH NO ADDITIVES
Pump Spacer 1	08/23/2013 10:05		2	4	4		112.0	FRESH WATER TO ESTABLISH RATE AND CIRCULATION
Pump Lead Cement	08/23/2013 10:13		2	82	86		1430.0	STARTED CEMENT AND TUB WOULD NOT GO DOWN AND LOST CIRCULATION ,POSSIBLE BRIDGE OFF.GOT FLUID MOVING AND REST OF JOB WENT FINE. 400 SKS CLASS G W/HR-5 MIXED @ 15.8 PPG YIELD 1.15 FT3/FT AND 5.0 GAL/SK
Pump Displacement	08/23/2013 11:11		2	1.5	87.5		1412.0	FRESH WATER WITH NO ADDITIVES
End Job	08/23/2013 11:20							

NOBLE ENERGY TREBOR B11-12 RECEMENT SERVICE



Global Event Log

Intersection	TIP	TISR	TID	Intersection	TIP	TISR	TID
1 Starting Job	09:21:54	118.0	0.000	2 Start Job	09:33:55	40.74	0.000
3 Test Lines	10:03:10	2030	0.000	4 Pump Lead Cement	10:13:04	112.7	0.500
5 Pump Displacement	11:11:18	1412	1.800	6 End Job	11:20:28	-6.000	0.000
7 Ending Job	11:20:34	-6.000	0.000	9.430			9.469

Customer: NOBLE ENERGY INC	Job Date: 23-Aug-2013	Sales Order #: 900685273
Well Description: RECEMENT	THANKS LARRY LAVALLEY AND CREW	