



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number
DYWB-00015

Invoice Mailing Address: NOBLE ENERGY INC. - FOR EDI ONLY		Left District	Date: 13-Feb-2018	Time: 6:00 AM
1001 NOBLE ENERGY WAY		Arrive Location	Date: 13-Feb-2018	Time: 8:00 AM
HOUSTON TX		Start Job	Date: 13-Feb-2018	Time: 8:00 AM
77070 UNITED STATES		Complete Job	Date: 13-Feb-2018	Time: 12:00 PM
Customer PO		Leave Location	Date: 13-Feb-2018	Time: 12:00 PM
Contract		Arrived District	Date: 13-Feb-2018	Time: 2:00 PM
AFE 422132259		Cust Ref	Service Description Cementing Remedial, Remedial Plug to Abandon	
Customer or Authorized Representative Tony Mathias		Well Name & Number Thrall USX AA 19-25	Field DJ	
API / UWI 05123265160000		Pricebook BUMQ / WSV_GEOREF_USR_2017_USD_Noble Remedial	Rig	
County / Parish / Block / Borough Weld		State / Province Colorado		Legal Location Cheyenne, WY
Service Instructions:				

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
D122A	D122A, Chemical Wash concentrate	5	GA			
D047	Antifoam Agent	5	GA			
D907	Cement, Class G	400	CF			
Products Subtotal:						4,246.20
Discount:						0.00
Products Total:						4,246.20
Services						
102872025	Services, Sqz/Plug 1 Hr	1	EA			
102872030	Additional Service Hours	3	EA			
49100000	Cement Blending Charge	495	CF			
49102000	Transportation, Cement Ton-mile	2218	MI			
Services Subtotal:						
Discount:						
Services Total:						

Total (Before Discount):	
Discount:	
Special Discount:	
Estimated Total (USD):	8 895.12

Estimated Total (USD):

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS COVERED BY THIS FIELD TICKET HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE AND PROVIDED AT THE PRICES SHOWN HEREIN PURSUANT TO THE MASTER SERVICE AGREEMENT ("MSA") BETWEEN CUSTOMER AND SCHLUMBERGER AND, IN THE ABSENCE OF AN ACTIVE MSA, PURSUANT TO THE SCHLUMBERGER GENERAL TERMS AND CONDITIONS.

Signature of Customer or Authorized Representative:

Signature of Schlumberger Representative:

Tony Mathias

Date

Richard Thornton

Date

				Customer		Job Number			
				NOBLE		DYWB-00013			
Well		Location (legal)		Schlumberger Location		Job Start			
THRALL USX 19-25		217304		Cheyenne		Feb/09/2018			
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
DJ				deg	in	2460.0 ft	2460.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado		psi	210 degF	200 degF	lb/gal		
Well Master		API/UWI							
		0512326516							
Rig Name	Drilled For	Service Via	Casing/Liner						
	Oil & Gas	Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type	2460.0	4.5	11.6	N/A	N/A		
	Old	Other	782.0	8.6	24.0	N/A	N/A		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type	T	2460.0	2.4	4.7	N/A	N/A		
Cementing	Balanced Plug	0.0	0.0	0.0					
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole						
psi	psi	2 3/8" 4.7# T/S	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
			ft	ft			ft		
			ft	ft			Diameter		
			ft	ft			in		
Service Instructions		Treat Down	Displacement	Packer Type	Packer Depth				
Balanced Plug = 25 sks 1.17 ft ³ /sk 5.068 gps = 5.2 bbls		Tubing	7.5 bbl		ft				
Est Toc = 2,125 ft from 2460		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.				
Spacer 10 bbls CMT 5.2 bbls Displace 7.5 bbls		9.5 bbl	bbl	bbl	bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools		Squeeze Job				
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		Shoe Type	Squeeze Type						
psi									
Pipe Rotated		Shoe Depth	Tool Type						
<input type="checkbox"/>		ft							
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth			
						ft			
Cement Head Type		Stage Tool Depth		Tail Pipe Size					
		ft		in					
Job Scheduled For	Arrived on Location	Leave Location	Collar Type		Tail Pipe Depth				
Feb/09/2018	Feb/09/2018	Feb/09/2018			ft				
			Collar Depth		Sqz. Total Vol.				
			ft		bbl				
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message			
02/09/2018	13:57:13	0.0	8.35	0.0	114	Started Acquisition			
02/09/2018	14:02:14	0.0	8.29	0.0	114				
02/09/2018	14:07:15	0.0	8.23	0.0	114				
02/09/2018	14:08:30	1.0	8.38	0.2	159	Water Test Complete			
02/09/2018	14:08:31	1.0	8.38	0.2	159	Start Job			
02/09/2018	14:08:32	1.0	8.38	0.2	159	Start Pumping Spacer			
02/09/2018	14:12:16	2.4	8.33	10.2	420				
02/09/2018	14:12:46	0.0	8.33	11.1	146	End Spacer			
02/09/2018	14:12:48	0.0	8.33	11.1	146	Reset Total, Vol = 10.05 bbl			
02/09/2018	14:13:22	0.0	8.33	11.1	2526	Pressure Test Lines			
02/09/2018	14:17:17	0.0	16.36	11.1	45				
02/09/2018	14:20:03	0.8	15.94	11.1	68	Start Cement Slurry			
02/09/2018	14:20:07	0.8	15.89	11.2	77	Wet Dry Samples Taken			
02/09/2018	14:21:59	2.4	15.89	15.1	255	End Cement Slurry			
02/09/2018	14:22:18	2.4	7.28	15.8	114				
02/09/2018	14:22:22	2.4	10.16	16.0	141	Start Displacement			
02/09/2018	14:26:03	0.0	8.44	23.7	49	End Displacement			
02/09/2018	14:26:09	0.0	8.43	23.7	49	Reset Total, Vol = 7.56 bbl			
02/09/2018	14:27:19	0.0	8.37	23.7	40				
02/09/2018	14:30:04	0.0	8.40	23.7	49	End Job			