



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number E0E0-00004
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Invoice Mailing Address: NOBLE ENERGY INC. - FOR EDI ONLY 1001 NOBLE ENERGY WAY HOUSTON TX 77070 UNITED STATES		Left District	Date: 16-Feb-2018	Time: 10:00 AM
Customer PO		Contract	Well Name & Number	Field
Contract		Starman USX A 17-23		DJ
Cust Ref		County / Parish / Block / Borough	State / Province	
Customer or Authorized Representative Tony Mathias		Weld	CO	
API / UWI 0512324630		Pricebook	Schlumberger Location	Legal Location
Pricebook		BUMQ / WSV_GEOREF_USR_2017_USD_Noble Remedial	Cheyenne, WY	
Service Instructions:		Service Description	Cementing Remedial, Remedial Plug to Abandon	

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

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
D907	Cement, Class G	165.5	CF			
D047	Antifoam Agent	5	GA			
D122A	D122A, Chemical Wash concentrate	10	GA			
Products Subtotal:						
Discount:						
Products Total:						
Services						
49100000	Cement Blending Charge	166	CF			
49102000	Transportation, Cement Ton-mile	622	MI			
102872025	Services, Sqz/Plug 1 Hr	1	EA			
102872030	Additional Service Hours	1	EA			
Services Subtotal:						
Discount:						
Services Total:						
Total (Before Discount):		5,210.86				
Discount:		0.00				
Special Discount:		0.00		Estimated Total (USD):		

Estimated Total (USD): 36

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 Noble			Job Number e0eo-0004				
Well Starman USX A 17-23			Location (legal)			Schlumberger Location			Job Start Feb/16/2018		
Field		Formation Name/Type			Deviation deg		Bit Size in		Well MD ft		Well TVD ft
County		State/Province			BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal
Well Master		API/UWI									
Rig Name		Drilled For N/A		Service Via Land		Casing/Liner					
						Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class Old		Well Type Workover							
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line Cementing		Job Type Sqz			T	2400.0	2.4	4.7			
						0.0	0.0	0.0			
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole					
						Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft	
Service Instructions Pump 10 bbl chem wash Pressure Test 2500 Pump 34.4 bbl cement @ 15.8 ppg (165 sks @ 1.17 yield) Displace 7.2 bbl, leaving 2 bbl cmt on top of retainer est toc inside casing: 2270 annular: 1978		ft	ft						Diameter in		
		ft	ft								
		ft	ft								
						Treat Down Tubing		Displacement bbl		Packer Type ft	
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools				Squeeze Job			
Lift Pressure psi		Shoe Type		Shoe Depth ft				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type				Tool Type			
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Depth ft				Tool Depth ft	
Cement Head Type		Stage Tool Depth ft				Tail Pipe Size in					
Job Scheduled For Feb/16/2018 13:00		Arrived on Location Feb/16/2018 13:00		Leave Location Feb/16/2018		Collar Type		Tail Pipe Depth ft			
						Collar Depth ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
02/16/2018	13:55:12	17	0.2	3.00	0.0	Started Acquisition					
02/16/2018	13:59:22	837	1.7	8.31	5.4						
02/16/2018	14:03:32	439	1.1	8.30	10.0						
02/16/2018	14:05:00	2448	0.0	8.30	10.2	Pressure Test Lines					
02/16/2018	14:07:42	150	0.1	8.42	10.4						
02/16/2018	14:09:00	448	0.9	15.68	10.7	Start Cement Slurry					
02/16/2018	14:11:52	200	1.5	15.75	14.7						
02/16/2018	14:16:02	132	2.3	15.64	22.9						
02/16/2018	14:20:12	530	1.8	15.91	32.2						
02/16/2018	14:24:22	132	2.0	15.65	39.9						
02/16/2018	14:26:00	109	2.2	9.15	43.2	End Cement Slurry					
02/16/2018	14:27:00	91	0.0	24.99	45.0	Start Displacement					
02/16/2018	14:28:32	493	1.8	8.32	47.5						

Well Starman USX A 17-23	Job Start Feb/16/2018	Customer Noble	Job Number e000-0004
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Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 1.5	N2	Mud	Maximum Rate 8.7	Total Slurry 34.4	Mud 0.0	Spacer 10.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 2485	Final 17	Average 442	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 7.2 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	To ft	
Customer or Authorized Representative Tony Mathias		Schlumberger Supervisor Scot Thornton		Washed Thru Perfs <input type="checkbox"/>	Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
				-		-	



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number
DYWB-00016

Invoice Mailing Address: NOBLE ENERGY INC. - FOR EDI ONLY 1001 NOBLE ENERGY WAY HOUSTON TX 77070 UNITED STATES		Left District Arrive Location Start Job Complete Job Leave Location Arrived District	Date: 20-Feb-2018 Date: 20-Feb-2018 Date: 20-Feb-2018 Date: 20-Feb-2018 Date: 20-Feb-2018 Date: 20-Feb-2018	Time: 9:00 AM Time: 12:00 PM Time: 12:00 PM Time: 5:00 PM Time: 5:00 PM Time: 6:00 PM
Customer PO AFE 422132259	Contract Cust Ref	Well Name & Number Starman USX A17-23	Field DJ	
Customer or Authorized Representative Tony Mathias		County / Parish / Block / Borough Weld	State / Province Colorado	
API / UWI 5123246300000	Pricebook BUMQ / WSV_GEOREF_USR_2017_USD_Noble Remedial	Schlumberger Location Cheyenne, WY	Legal Location	
Service Instructions:		Service Description Cementing Remedial, Remedial Plug to Abandon	Rig	

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

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
D907	Cement, Class G	321	CF			
D122A	D122A, Chemical Wash concentrate	5	GA			
D047	Antifoam Agent	5	GA			
Products Subtotal:						
Discount:						
Products Total:						
Services						
49100000	Cement Blending Charge	499	CF			
49102000	Transportation, Cement Ton-mile	2549	MI			
102872025	Services, Sqz/Plug 1 Hr	1	EA			
102872030	Additional Service Hours	4	EA			
Services Subtotal:						
Discount:						
Services Total:						
Total (Before Discount):				8,676.01		
Discount:				0.00		
Special Discount:				0.00		
				Estimated Total (USD):		

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

William Silvester

Date

				Customer NOBLE			Job Number DYWB-00016										
Well STARMAN USX A 17 -23			Location (legal) 217304			Schlumberger Location Cheyenne			Job Start Feb/20/2018								
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 1005.0 ft		Well TVD 1005.0 ft						
County WELD		State/Province Colorado			BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal						
Well Master		API/UWI 5123246300000															
Rig Name		Drilled For Oil & Gas		Service Via Land		Casing/Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class Old		Well Type Other		1005.0		4.5		11.6		N/A		N/A			
						754.0		8.6		24.0		N/A		N/A			
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type Shallow plug				T		1005.0		2.4		4.7		N/A		N/A	
						0.0		0.0		0.0							
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
Service Instructions Shallow plug = 321 sks 1.17 ft3/sk 5.058 gps = 67 bbls Est Toc = Surface from 1005 ft to surface CW7 10 bbls Spacer 5 bbls CMT 67 bbls @ 15.8 ppg						ft		ft						Diameter in			
						ft		ft									
						Treat Down Tubing		Displacement 0.0 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		Openhole Vol. bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools						Squeeze Job							
Lift Pressure psi				Shoe Type				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft				Tool Type									
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth ft							
Cement Head Type				Stage Tool Depth ft				Tail Pipe Size in									
Job Scheduled For Feb/20/2018		Arrived on Location Feb/20/2018		Leave Location Feb/20/2018		Collar Type				Tail Pipe Depth ft							
						Collar Depth ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message											
02/20/2018	13:40:34	0.0	8.25	0.0	95	Started Acquisition											
02/20/2018	13:40:39	0.0	8.25	0.0	95	Water Test Complete											
02/20/2018	13:40:40	0.0	8.25	0.0	91	JSA Complete											
02/20/2018	13:42:08	0.0	8.25	0.0	91	Start Job											
02/20/2018	13:45:35	0.0	8.26	0.0	77												
02/20/2018	13:50:36	0.0	8.28	0.0	68												
02/20/2018	13:54:07	1.2	8.27	0.7	104	Start Pumping Wash											
02/20/2018	13:55:37	2.0	8.28	3.4	297												
02/20/2018	13:58:57	2.7	8.26	11.6	352	End Wash											
02/20/2018	13:59:00	2.6	8.26	11.7	347	Start Pumping Spacer											
02/20/2018	14:00:38	0.0	8.26	15.4	123												
02/20/2018	14:00:45	0.0	8.26	15.4	114	End Spacer											
02/20/2018	14:00:50	0.0	8.26	15.4	1661	Reset Total, Vol = 15.39 bbl											
02/20/2018	14:01:06	0.0	8.26	15.4	2952	Pressure Test Lines											
02/20/2018	14:05:39	0.0	15.78	15.4	63												
02/20/2018	14:05:42	1.1	15.80	15.4	95	Start Cement Slurry											
02/20/2018	14:09:52	0.5	16.42	21.2	8	Wet Dry Samples Taken											
02/20/2018	14:10:40	0.5	16.41	21.6	4												
02/20/2018	14:15:41	1.1	14.44	26.3	63												
02/20/2018	14:20:42	0.5	15.56	30.4	68												
02/20/2018	14:25:43	3.8	15.88	39.5	571												

Well		Field		Job Start		Customer		Job Number	
STARMAN USX A 17 -23		DJ		Feb/20/2018		NOBLE		DYWB-00016	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message			
02/20/2018	14:35:45	2.7	15.61	64.3	411				
02/20/2018	14:39:23	0.0	16.22	67.2	-5	End Cement Slurry			
02/20/2018	14:39:28	0.0	16.23	67.2	-5	Reset Total, Vol = 51.00 bbl			
02/20/2018	14:40:46	0.0	16.36	67.2	-10				
02/20/2018	14:45:47	0.0	15.69	67.2	-15				
02/20/2018	14:50:48	0.0	16.70	67.2	-15				
02/20/2018	14:55:49	0.0	15.70	67.2	-10				
02/20/2018	15:00:50	0.0	15.64	67.2	-10				
02/20/2018	15:05:51	0.0	15.63	67.2	-5				
02/20/2018	15:10:52	0.0	15.80	67.2	-5				
02/20/2018	15:15:53	0.0	15.69	67.2	-5				
02/20/2018	15:20:54	0.0	13.08	69.2	-1				
02/20/2018	15:25:55	0.0	17.76	69.2	-1				
02/20/2018	15:30:56	0.0	17.16	70.1	4				
02/20/2018	15:35:57	0.0	17.19	70.1	4				
02/20/2018	15:40:58	2.6	8.41	80.7	127				
02/20/2018	15:41:52	2.6	8.38	83.1	118	Top Out			
02/20/2018	15:45:59	2.6	8.26	93.9	104				
02/20/2018	15:51:00	0.0	8.26	97.7	4				
02/20/2018	15:56:01	0.0	8.27	97.7	-5				
02/20/2018	16:01:02	0.0	8.28	97.7	-10				
02/20/2018	16:06:03	0.0	16.28	97.7	-19				
02/20/2018	16:11:04	1.1	16.29	98.7	59				
02/20/2018	16:11:42	2.7	15.45	99.8	150	End Top out			
02/20/2018	16:16:05	3.8	8.31	114.8	132				
02/20/2018	16:21:06	3.8	8.25	133.6	40				
02/20/2018	16:26:07	0.0	8.27	141.7	-10				
02/20/2018	16:31:08	0.0	0.08	141.7	-15				
02/20/2018	16:36:09	0.0	0.01	141.7	-24				
02/20/2018	16:41:10	0.0	-0.00	141.7	-15				
02/20/2018	16:46:04	0.0	0.01	141.7	-10	Reset Total, Vol = 16.09 bbl			
02/20/2018	16:46:11	0.0	0.01	141.7	-15				
02/20/2018	16:46:55	0.0	-0.00	141.7	-10	End Job			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.2			3.8	67.0	0.0	15.4	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2975	-10	136				bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Washed Thru Perfs	Volume	
%	67.0 bbl	0.0 bbl	80 degF	<input type="checkbox"/>	<input type="checkbox"/>	bbl	ft
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed	
Tony			Wayne Silvester		<input type="checkbox"/>		<input checked="" type="checkbox"/>