

# HALLIBURTON

iCem<sup>®</sup> Service

**NOBLE ENERGY INC**

United States of America

**For: Pete Burns**

Date: Wednesday, November 16, 2016

Noble Lindahl #1

Job Date: Wednesday, November 16, 2016

Sincerely, Nick Roles and Crew

pressure to 3500psi held for 5min. No leaks, pressure held good.

Event	9	Pump Spacer 1	Pump Spacer 1	11/16/2016	10:50:11	COM2	0.00	0.05	19.00	0.00	Pumped 10bbls Mud Flush III at 2bpm 90psi.
Event	10	Pump Cement	Pump Cement	11/16/2016	11:01:34	COM2	1.70	15.44	121.00	0.00	pumped 1000sk or 20bbls of 15.8ppg 1.15v 5g/s G Cement at 2bpm 100psi w/ 1% CC mix water.
Event	11	Pump Displacement	Pump Displacement	11/16/2016	11:11:32	COM2	2.30	15.60	15.00	0.60	Pumped 26bbls at 2bpm Opsl to balance plug. once pressure was established pumps were shut down.
Event	12	Shutdown	Shutdown	11/16/2016	11:21:55	USER	0.00	7.76	2.00	11.00	After displacement SD for rig to pull tubing to 4755'. Wash pump and lines in between cement stage.
Event	13	Pump Spacer 1	Pump Spacer 1	11/16/2016	11:43:28	COM2	0.00	-0.39	-22.00	11.00	Pumped 10bbls Mud Flush III ahead at 2bpm 300psi.
Event	14	Pump Cement	Pump Cement	11/16/2016	11:52:02	COM2	0.00	7.82	262.00	0.00	Pumped 1000sk or 20bbls of 15.8ppg 1.15v 5g/s G Cement at 2bpm 200psi w/ 1% CC mix water
Event	15	Pump Displacement	Pump Displacement	11/16/2016	12:00:51	COM2	2.10	16.05	-20.00	0.00	Pumped 26bbls of fresh water to balance plug at 2bpm Opsl. once pressure was established pump was shut down and pressure released.
Event	16	Shutdown	Shutdown	11/16/2016	12:09:38	USER	2.10	8.34	-35.00	3.50	once pressure was off we broke our line to tubing and hooked up to wash up to allow rig to pull tubing to 3176'.
Event	17	Pump Spacer 1	Pump Spacer 1	11/16/2016	12:49:51	COM2					Pumped 4bbls fresh water to break circulation at 2bpm

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(v. 4.3.44)

# HALLIBURTON

Customer: NOBLE ENERGY INC

Job: PTA 903661412

Case: Case 2

Event	18	Check Weight	Check Weight	11/16/2016	12:55:22	COM2	212psi.	verified by pressurized mud scales
Event	19	Pump Lead Cement	Pump Lead Cement	11/16/2016	12:56:26	COM2		Pumped 75skts or 15bbbls of 15.8ppg 1.15y 5g/s at 2bpm 150psi.
Event	20	Pump Displacement	Pump Displacement	11/16/2016	13:03:18	COM2		Pumped 14.5bbbls fresh water at 2bpm Opsl. shut down once we established pressure.
Event	21	Shutdown	Shutdown	11/16/2016	13:08:25	USER	2.60 8.84 3.00 0.00	Rig pulled tubing out to 1525'
Event	22	Pump Cement	Pump Cement	11/16/2016	13:56:51	COM2		Pumped 100skts or 15bbbls 15.8ppg 1.15y 5g/s G cement at 2bpm 200psi.
Event	23	Pump Displacement	Pump Displacement	11/16/2016	14:03:43	COM2		Pumped 6bbbls fresh water at 2bpm, shut down once pressure was established and balance plug.
Event	24	Shutdown	Shutdown	11/16/2016	14:07:25	USER	0.00 6.39 -11.00 2.10	Rig pulled tubing to 372'.
Event	25	Pump Cement	Pump Cement	11/16/2016	14:38:28	COM2		Pumped 200skts or 40bbbls 15.8ppg 1.15y 5g/s G cement to surface and shutdown.
Event	26	Shutdown	Shutdown	11/16/2016	14:57:00	USER	0.00 15.78 3.00 0.00	wait until rig rigs down BOP to top off cement
Event	27	End Job	End Job	11/16/2016	16:15:00	USER		End job with 4bbls to top off cement to surface.
Event	28	Safety Meeting	Safety Meeting	11/16/2016	16:30:00	USER		prior to rigging down all hse aware of hazards and all present
Event	29	Depart Location Safety Meeting	Depart Location Safety Meeting	11/17/2016	17:00:00	USER		pre journey management prior to departure all hse

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(v. 4.3.44)

2.0 Attachments

2.1 Noble Lindahl #1 workover PTA 903661402.png



The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 3766777		Quote #:		Sales Order #: 0903661402				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Pete Burns						
Well Name: Lindahl		Well #: 1		API/UWI #: 05-123-05621						
Field: WILDCAT		City (SAP): RAYMER		County/Parish: WELD		State: COLORADO				
Legal Description:										
Contractor: UNKNOWN				Rig/Platform Name/Num: WORKOVER RIG						
Job BOM: 7528										
Well Type: OIL										
Sales Person: HALAMERICA\HB61755				Srvc Supervisor: Nicholas Roles						
Job										
Formation Name										
Form Type				BHST						
Job depth MD		5455ft		Job Depth TVD		5455				
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Tubing		2.875	2.441	6.5			0	372		
Tubing		2.875	2.441	6.5			0	1525		
Tubing		2.875	2.441	6.5			0	3176		
Tubing		2.875	2.441	6.5			0	4755		
Tubing		2.875	2.441	6.5			0	5455		
Tools and Accessories										
Fluid Data										
Stage/Plug #: 1 @ 5455'										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4			2		
42 gal/bbl		FRESH WATER								
Fluid Data										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Halcem	HALCEM (TM) SYSTEM	100	sack	15.8	1.16		2	5.08	
5.08 Gal		FRESH WATER								
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
Fluid Data										
Stage/Plug #: 2 @ 4755'										

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III	10	bbl	8.4			2	
42 gal/bbl		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Halcem	HALCEM (TM) SYSTEM	100	sack	15.8	1.16		2	5.08
5.08 Gal		FRESH WATER							
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
Fluid Data									
Stage/Plug #: 3 @ 3176'									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Halcem	HALCEM (TM) SYSTEM	75	sack	15.8	1.15		2	4.98
4.98 Gal		FRESH WATER							
Cement Left In Pipe		Amount	ft	Reason				Shoe Joint	
Fluid Data									
Stage/Plug #: 4 @ 1525'									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Halcem	HALCEM (TM) SYSTEM	100	sack	15.8	1.15		2	5
5 Gal		FRESH WATER							
Fluid Data									
Stage/Plug #: 5 @ 372'									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Halcem	HALCEM (TM) SYSTEM	200	sack	15.8	1.15		2	5
5 Gal		FRESH WATER							
Comment									

33293

PLEASE REMIT TO:  
**NABORS COMPLETION & PRODUCTION SERVICES CO.**  
P.O. BOX 975682  
DALLAS, TX 75397-5682  
435-725-5344

DELIVERED FROM \_\_\_\_\_

DATE 11-15-16

INVOICE NO.		P.O. NO. <i>ADI# 05-123-05021</i>	AFE NO.
CUSTOMER NO.		LEASE <i>Lindahl #1</i>	WELL NO.
CUSTOMER <i>Noble</i>	FIELD <i>Waffenberg</i>	STATE <i>Colo</i>	COUNTY <i>Weld</i>
ADDRESS		LOCATION <i>1274102</i>	
CITY	CASING SIZE & WT. <i>2 7/8</i>	TBG. SIZE	
STATE	ZIP	TYPE OF JOB <i>Pipe Recovery</i>	

ORDERED BY Pete Burns TITLE \_\_\_\_\_ SERVICE SUPV. K.G.

[illegible]

CALLED OUT	ON LOCATION	COMPLETED	TOTAL SERVICE & MATERIALS
_____ Time	<u>1:00</u> Time	<u>4:00</u> Time	DISCOUNT
_____ Date	<u>11-15</u> Date	<u>11-15</u> Date	TAX

**\*ACCIDENT REPORT MUST BE ATTACHED WHEN NOT SIGNED**

TOTAL CHARGES | 4 .

WITH MY INITIALS, I CONFIRM THAT THE TIME SHOWN IN THE  
"HOURS" COLUMN, ACCURATELY REFLECTS MY COMPENSABLE TIME.

Employee Name (Print)	Hours	Initials	Employee Number		

CUSTOMER AGREES to pay Nabors Completion & Production Services Co. (the "Company") on a net 30 day basis from date of invoice. If Customer disputes any item invoiced, Customer shall, within 20 days after receipt of invoice, notify the Company of the item(s) disputed, specifying the reason(s) therefor; payment of the disputed item(s) may be withheld until settlement of dispute, but payment of undisputed portion of invoice shall be made without delay. All payments shall be made at the address shown on the reverse side of this document. In the absence of a separate written contract, CUSTOMER REPRESENTATIVE REPRESENTS AND WARRANTS THAT HE/SHE IS AUTHORIZED TO ENTER INTO THIS AGREEMENT ON BEHALF OF CUSTOMER AND ACCEPTS ALL TERMS AND CONDITIONS AS PRINTED ON THE REVERSE SIDE OF THIS DOCUMENT (WHICH INCLUDES INDEMNITY LANGUAGE THAT ALLOCATES RISKS RELATED TO THE ABOVE DESCRIBED SERVICES). Pricing and extensions, if shown above, are subject to verification and correction at time of invoicing.

X  
NABORS COMPLETION & PRODUCTION SERVICES CO.

X \_\_\_\_\_  
CUSTOMER REPRESENTATIVE