

CASEDHOLE SOLUTIONS



Rev.032718 A  
 \* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.  
 DATE 07/05/2018

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER: NOBLE ENERGY  
 COMPANY: NOBLE ENERGY  
 LEASE: DARYL L. ARNOLD  
 WELL NUMBER: 1  
 LEGAL & LOCATION: 0  
 FIELD: 0  
 PARISH/COUNTY: Weld  
 STATE: Colorado

THE UNDERSIGNED, HERINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF CASEDHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.

CUSTOMER NAME: NOBLE ENERGY  
 INVOICE MAILING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X**  
 Thank you for using Casedhole Solutions!! Total runs, all pages: 0

UNIT NUMBER: 923376  
 OPERATION TYPE: \_\_\_\_\_ WELL TYPE: \_\_\_\_\_  
 TRIP: \_\_\_\_\_ HOISTING TYPE: \_\_\_\_\_  
 ROUND TRIP MILEAGE: \_\_\_\_\_  
 WIRELINE DEPTH: \_\_\_\_\_ MAX. WELLHEAD PRESSURE: \_\_\_\_\_ PSI  
 BOTTOM HOLE PRESSURE: \_\_\_\_\_ PSI

Disc NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			N - Packoff	each	1	460	0.150	391	391.00	Plug			
			N - Flange Rental	each	1	230	0.150	195.5	195.50	Perf			
			N - Individual Gas Monitors	each	1	45	0.150	38.25	38.25				
			N - Set & Supply 4 1/2 CIBP	each	1	2645	0.150	2248	2248.25				
			N - Cement Bond Log TD	each	1	2645	0.150	2248	2248.25				
			4 1/2 CIBP @ 7413'										
			CBL (7413' - Sur.)										


STANDARD PRICING		TOTAL OF BOOK PRICE	6025.00	NO. DESC.	0	NO. SHOTS FIRED	0	NO. SEL SWITCHES/FAILURES	0	SEL SW	0
Runs for this job - 2	AFE# - 206047	TOTAL DISCOUNT	903.75	RES. EQ. USE	10K	% TDS/ACID		PHASE		SPP	0
	Task# - 330.70	TOTAL DISCOUNT PERCENTAGE	15.00%	Was catering provided by Casedhole Solutions?							
	Acct# - 0052	ESTIMATED TOTAL CHARGE PAGE 1	\$5,121.25	NO							

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** Chris Hohnstein  
 LOGS RECEIVED AT WELL: \_\_\_\_\_  
 CUST. INITIALS: \_\_\_\_\_  
 SIGNATURE OF CASEDHOLE SOLUTIONS ENGINEER: Frank, Adam Sage

SIZE	WEIGHT	TYPE	FROM	TO	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
		Casing 1						
		Casing 2						
		Tubing						
		Liner						
		Drill Pipe						

Fluid Type	Fluid Weight	Fluid Level	REMARKS
	lbs/gal	feet	District doing job: Fort Lupton, CO
Bottom Hole Temperature			Line of Business: Completions
Degrees F			Type of Job: Vertical Perf. and Logging
WORK WITNESSED BY NAME: Chris Hohnstein			Class: Vert. Domestic
CASEDHOLE ENGINEER NAMES: Frank, Adam Sage			District job is in: Fort Lupton, CO
Crew 1			AFE#
Crew 2			Engineer: Frank, Adam Sage
Crew 3			MSA#
Crew 4			
Crew 5			
Crew 6			

<b>CASED HOLE SOLUTIONS</b>																																																																																																											
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CASEHOLE SOLUTIONS													
<b>C&amp;J ENERGY SERVICES</b>		CUSTOMER P. O. NUMBER <b>Rev.032710A</b>				SERV. # <b>F-3532</b>		PAGE <b>1 of 1</b>					
		* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.								DATE <b>07/09/2018</b>			
TO CASEHOLE SOLUTIONS, INC You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment.													
SERVICE(S) AND/OR EQUIPMENT REQUESTED													
CUSTOMER		COMPANY <b>NOBLE ENERGY</b>											
FURNISHED		LEASE <b>DARYL L ARNOLD</b>							WELL NUMBER <b>1</b>				
LEASE/WELL		LEGAL & LOCATION <b>0</b>											
INFORMATION		FIELD <b>0</b>			PARISH/COUNTY <b>Weld</b>			STATE <b>Colorado</b>					
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				PSI				PSI					
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<b>SQZ GUNS:</b> <b>4 Holes @ 6740'</b> <b>4 Holes @ 6500'</b>													
STANDARD PRICING													
TOTAL OF BOOK PRICE									3501.90				
TOTAL DISCOUNT									525.29				
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		Drill Pipe			Bottom Hole Temperature			Degrees F					
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Line of Business: Completions													
Type of Job: Vertical Perf. and Logging													
Class: Vert. Domestic													
District job is in: Fort Lupton, CO													

Field Supervisor: Robert Johanson  
010382

Taxable: No

Job Date: 7/11/2018

Reference #:

Job Complete: Yes



Job Description:

Re-Entry

Yard Location:

Fort Morgan, CO

Field Report

903-759-0082

Field: Daryl L Arnold

Lease: Daryl L Arnold

Well #: 1

Well County: Weld County

Well API #:

Company: NOBLE ENERGY, INC.

Contract #: 1-303-945-5489

Address: 1001 NOBLE ENERGY WAY

Mileage:

HOUSTON, TEXAS 77070

Rig #: 32

Description	SP	Qty	Units	Unit Price	Net Unit Price	Amount
Well Servicing Rig with Crew		10	HR	\$260.00	\$260.00	\$2,600.00
Well Servicing Rig Crew Travel Time		2	HR	\$200.00	\$200.00	\$400.00
Double BOP / 5,000# Hydraulic		1	DAY	\$300.00	\$300.00	\$300.00
Power Swivel w/kelly hose XK-90		0	DAY	\$1,200.00	\$1,200.00	\$0.00
Triplex Pump - 5K		1	DAY	\$550.00	\$550.00	\$550.00
Pipe Dope		0.25	CAN	\$135.00	\$135.00	\$33.75
Washington Head Rubber 2-3/8" or 2-7/8"		0	EA	\$550.00	\$550.00	\$0.00
Pipe Wiper Rubber		1	EA	\$18.00	\$18.00	\$18.00
<b>Total:</b>						\$3,901.75

Travel Time To	Rig Time Begin	Rig Time End	Travel Time From	Down Time
6:00 AM - 7:00 AM	7:00 AM	5:00 PM	5:00 PM - 6:00 PM	

Rods:		Tubing:	
5/8" Out	5/8" In	2 3/8"	2 3/8"
3/4" Out	3/4" In	2 7/8"	2 7/8"
7/8" Out	7/8" In	Tubing Notes:	
1" Out	1" In		
1-1/4" Out	1-1/4" In		
Subs Out		Pump Out	
Subs In		Pump In	

Description	Employee Name	Hours	Description	Employee Name	Hours
Derrick	OMAR QUINTANA 010282	12	Floor	MIGUEL JUAREZ 010329	12
Floor	ANTHONY SINKE 010566	12	Field Supervisor	ROBERT JOHANSON 010382	12
Floor	DANIEL HINRICHS 010158	12	Operator	JIMMY MONROY 010116	12

**Remarks:**  
Crew travel and change out. Tripped out 38 stands. Rigged up wire line. Wire line shot perforations between 2000 ft and 2500 ft. Rigged down wire line. Made up packer, ran in 34 stands and set packer at 2100 ft. Caught circulation between perforations. Unset packer, tripped out of hole. Picked up retainer, ran retainer to 2100 ft. Spotted in Halliburton, r/u Halliburton. Pumped cement between perforations. Laid down 34 joints, pumped cement to surface. laid down rest of string, 34 joints. cleaned up equipment, topped off cement, R/D Tongs, rig floor, BOPs. Secured well with collar and bull plug. Secured location. Crew change out, crew travel.

THE ABOVE WORK WAS PERFORMED AND THE NUMBER OF HOURS IS CORRECT

Field Supervisor: \_\_\_\_\_

er Rep.: \_\_\_\_\_

DARYL L. ARNOLD 1	
Project / Lease Name	
206047	
AFE / RC Number	
330.70	0050
Task	Acct Code
<b>ERICH ZWAAGSTRA</b>	
Oracle 1st Approver	
<b>RickSheets</b>	
Approved By	
07/12/2018	
Date	