

Ranger Energy Services
3333 Center Drive
Milliken, CO, 80534
(970) 587-5813 or (970) 587-5824 (Fax)

Job Log

Date: 5/5/2017

Operator: Noble Energy

Well Name: Wells Ranch USX BB #5-16

Legals: SESE, Section 5, Township 5 North, Range 63 West

API: 05-123-26242

Location: Weld County, Colorado

5/2/2017: MIRU P&A equipment, circulate well, NDWH, NUBOP, TOH with tubing
RU wireline, TIH and set 4-1/2" CIBP at 6,464', CDB 2 sacks on top of CIBP (TOC: 6,438')
Load casing and pressure test CIBP to 1,000 psi, pressure held, TIH and perforate casing at 1,775'
TOH and RD wireline, establish injection rate into perforations, shut in well, SDFN

5/3/2017: PU 4-1/2" CICR, TIH and set CICR at 1,661', pressure tested annulus to 500 psi, pressure held
Pump 10 bbl. of mud flush, pump 210 sxs of cement, 200 sxs under and 10 sxs on top of CICR
(43 bbl. of slurry, annular cement from 1,776' – 1,270', cased cement from 1,776' – 1,532')
TOH, NDBOP, NDWH, RU wireline, TIH and cut casing at 723', TOH, RD wireline
Circulate wellbore, spear and unland casing, NUWH, NUBOP, TOH and LD 723' of 4-1/2" casing
RD casing equipment, shut in well, SDFN

5/4/2017: TIH to 770', pump 10 bbl. of mud flush, pump 254 sxs of cement from 770' to surface (52 bbl.)
TOH and LD tubing, NDBOP, NDWH, shut in well with night cap, SDFN

5/5/2017: TOC at 12', shut in well with night cap, RDMO, P&A complete

* * * All cement is 15.8 # Class "G" neat cement * * *

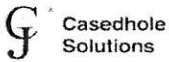
Cementing Contractor: Ranger Energy Services

Operator Supervisor: Tyson Hamacher

State Representative: Conor Pesicka

Wireline Contractor: Cased Hole Solutions

CASEDHOLE SOLUTIONS



Rev.121316 A

CUSTOMER P. O. NUMBER

SERVICE ORDER

F-3120

PAGE

1 of 1

* 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.

To CASEDHOLE SOLUTIONS, INC.

You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:

DATE

05/02/2017

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	Noble Energy Production, Inc.			
FURNISHED	LEASE	Wells Ranch USX	WELL NUMBER	BB 5-16	
LEASE/WELL	LEGAL & LOCATION	0			
INFORMATION	FIELD	0	PARISH/COUNTY	Weld	STATE Colorado

THE UNDERSIGNED, HEREINAFTER 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.

IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.

WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME Noble Energy Production, Inc.

INVOICE MAILING ADDRESS	CITY	STATE	ZIP CODE
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SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

X	Thank you for using Casedhole Solutions!!	Total runs, all pages	0
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER	OPERATION TYPE:	WELL TYPE:	ROUND TRIP MILEAGE
92-3376	TRIP:	HOISTING TYPE:	

WIRELINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE:	PSI
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Desc. 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					305.90	Plug			
			N - Flange Rental	each						Perf			
			N - Set & Supply 4 1/2 CIBP	each									
			N - Dump Bailer	per run									
			N - Squeeze Gun - 1st Gun	each									

Desc. NO.	NO. GUNS	SHOTS FIRED	TYPE	CHRG.	SIZE
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4 1/2 CIBP @ 6464'					
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2 sx cem on CIBP					
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6 Holes @ 1775'					
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WELLS RANCH USX BB 05-15
Well Name & No.

205479
Project/AFE No.

970.10 Task
0052 Acct Code

TYSON HAMACHER
Work Ordered By

May 03, 2017

APPROVED

Tyson Hamacher

HAMACHER FIRST APPROVER E. ZWAAGSTRA

STANDARD PRICING

Runs for this job made in May were 0	TOTAL OF BOOK PRICE	0.00
	TOTAL DISCOUNT	.00%
	TOTAL DISCOUNT PERCENTAGE	

NO. DESC.	NO. SHOTS FIRED	NO. SEL. SWITCHES	SEL. SW. FAILURES
0	0	0	0
RES. EQ. USE	% H2S/ACID	PHASE	SPF
10K	0	0	0

CASEHOLE SOLUTIONS																	
 Casedhole Solutions		Rev.121316 A CUSTOMER P.O. NUMBER _____						SERVICE ORDER F-3121				PAGE 1 of 1					
		* 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 05/03/2017				
		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 FURNISHED LEASE/WELL INFORMATION																	
		COMPANY Noble Energy Production, Inc.															
		LEASE Wells Ranch USX										WELL NUMBER BB 5-16					
		LEGAL & LOCATION 0															
		FIELD 0				PARISH/COUNTY Weld				STATE Colorado							
<small>THE UNDERSIGNED, HEREINAFTER 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 CASEHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.</small> <small>IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.</small> <small>WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.</small>																	
CUSTOMER NAME Noble Energy Production, Inc.																	
INVOICE MAILING ADDRESS _____ CITY _____ STATE _____ ZIP CODE _____																	
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE																	
<div style="display: flex; justify-content: space-between; align-items: center;"> X <div>Thank you for using Casedhole Solutions!!</div> <div>Total runs, all pages 0</div> </div>																	
<small>THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING</small>																	
UNIT NUMBER 92-3376		OPERATION TYPE: _____			WELL TYPE: _____			ROUND TRIP MILEAGE									
		TRIP: _____			HOISTING TYPE: _____												
WIRELINE DEPTH _____					MAX. WELLHEAD PRESSURE _____ PSI					BOTTOM HOLE PRESSURE _____ PSI							
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1			N - Packoff	each						Plug							
			N - Jet Cutters (all)	each						Perf							
	4 1/2 Cut @ 723'																
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> WELLS RANCH USX BB 05-16 Well Name & No. 205479 Project/AFE No. 970.10 0052 Task Acct Code TYSON HAMACHER Work Ordered By <p style="text-align: center;">May 04, 2017 APPROVED</p> HAMACHER FIRST APPROVER E. ZWAAGSTRA </div>														NO. DESC.	NO. SHOTS FIRED	NO. SEL SWITCHES	SEL. SW FAILURE
														n		0	0
														H2S/ACID	PRESS	SPF	
														10K	0	0	
STANDARD PRICING																	
TOTAL OF BOOK F																	
TOTAL DISCOUNT 0.00																	
TOTAL DISCOUNT PERCENTAGE																	
Runs for this job made in May were 0																	