

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 * * *

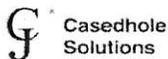
Cementing Contractor: Ranger Energy Services

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.			DATE 05/02/2017
To CASEDHOLE 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	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 _____

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

X Thank you for using Casedhole Solutions!! Total runs, all pages **0**

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING

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

TRIP: _____ HOISTING TYPE: _____

WIRELINE DEPTH		MAX. WELLHEAD PRESSURE		PSI		BOTTOM HOLE PRESSURE:		PSI					
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	eac.					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.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
	4 1/2 CIBP @ 6464'												
	2 sx cem on CIBP												
	6 Holes @ 1775'												

WELLS RANCH USX BB 05-15
Well Name & No.

205479
Project/AFE No.

970.10 0052
Task Acct Code

TYSON HAMACHER
Work Ordered By

May 03, 2017

APPROVED

HAMACHER FIRST APPROVER E. ZWAAGSTRA

Runs for this job made in May were 0	STANDARD PRICING		NO. DESC.	NO. SHOTS FIRED	NO. SEL SWITCHES	SEL SW FAILURES
	TOTAL OF BOOK PRICE		0	0	0	0
	TOTAL DISCOUNT	0.00	RES. EQ. USE	% H2S/ACID	PHASE	SPF
	TOTAL DISCOUNT PERCENTAGE	.00%	10K	0	0	

