



Date: 03/22/21 –03/25/21

Operator: Noble Energy Inc.

Well Name: Herbst 27-2

Legal Location: NWSE Sec. 27 5N 64W

API # 05-123-12651

Job Log

Weld County

03/22/21: move in, rig up, shut down.

03/23/21: check psi:1060/1250/0psi, pressure test pump lines and BOPs, RU flow back equipment to incinerate gas, controlled well with 180bbls of water, RD flow back equip, ND WH, NU BOPs, TOO, SWI.

03/24/21: check psi:0/0psi, RU WL to go in and set CIBP@6498' and to spot 2sks of CMT on plug, load well with 55bbls of water, pressure test plug to 500psi, held good, run in to shoot squeeze holes@2500', establish injection rate with 5bbls of water, shoot holes@2000' and set CICR@2400', RD WL, TIH with stinger to sting into retainer, RU CMT equip to condition well and to pump 190sks plug(2500'-2000'), RD CMT equip, TOO, RU WL to go in and cut CSG@503', circulate well with 50bbls of water, SWI.

03/25/21: check psi:0psi, load well with 3bbls of water, monitor well for bubbles, no bubbles, ND BOPs, RU CMT equip to pump 294sks of CMT from 503' up to surface, SWI, RD MO.

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

Cementing Contractor: SPN Well Services

Cementing Contractor Supervisor: Matt Bulinski

Operator Supervisor: Chris Hohnstein

State Representative: Abe Serna

Wireline Contractor: SPN Well Services – E - Line

DAILY WORK REPORT  
SPN WELL SERVICES, INC.  
P.O. BOX 329 • 13068 WCR 20  
FORT LUPTON, CO 80621

# J00650827

## Well Services

N96000051755  
NO. 66253  
66253

SPN

40.36843200  
-104.53351800

Date 03-25-2021

Customer Noble Energy

State CO

Well / Lease HERBST 27-02

County Weld ✓

Company Rep. Chris Hohnstein.

Time 6:00 AM To 12:00 PM

START FINISH

Area PNA

Rig No. 725

### DESCRIPTION

(6:00) RCTL, (6:30) HSM, start equip. inspect equip for ice Plug, check well B3, OPS, Full up well use 3 Bbls. Look for bubbles, no bubbles. (7:30) Rig down w/ floor, nipple down BOP, nipple up well Head, (8:00) HSM w/ cementers, Rig up cementers. Pump 10 Bbls of mud flash + 5 Bbls of fresh water + 294 lbs of cement from down CSG @ 503 to surface, Rig down cementers (9:30) wash cement on well Head + cement Tank secure well (10:00) Rig down Rig, Drain Hardline Rig down Hardline + Pump + Tanks, clean location, (12:00) Rig move to next location.

water. start w/ 250 Bbls. finish w/ 140 Bbls.

### TOOL BOX SAFETY MEETING

ATTENDEES OTHER THAN LISTED BELOW

TOPIC

Scenario 1-A

PEA Final

### CHARGE RECORD

422130003  
Project/AFE No.

247036  
Acct Code

CHRIS HOHNSTEIN  
Work Ordered By

Mar 29, 2021  
APPROVED

SIGNATURE

Chris Hohnstein

CHARGE RECORD			
Type Well Head	Anchor	No. & Size Rods	
Packer Settings	tubing	No. & Size Subs	
Type Packer	Pump Description	(out)	
No. Jts. Tubing	(in)		
		RIG	TRAVEL
OPERATOR	Luis Trujillo	5.5	0.5
DERRICKMAN	edgar Peña	5.5	0.5
FLOOR HAND	Hector H Guzman	5.5	0.5
FLOOR HAND	Mario Marquez	5.5	0.5
		TOTAL	6

SPN

J00650827  
Well Services

N96000051698

NO. 66252

66252

Customer Noble EnergyDate 03-24-2021Well / Lease HERBST 27-02State COCompany Rep. Chris Hohnstein

Time

6:00am to

5:00pm

Area

PNA

County weld ✓Rig No. 725

## DESCRIPTION

(6:00) RCTL, (6:30) HSM, warm up equip, start equip, inspect equip for ice plug, check well Ps. 0 Ps. unlock well, (8:00) HSM w/wL, Rig up wL, set a CIBP @ 6498 + 2sxs of cmt on TOP, full up well, use 55 Bbls Pressure test Plug and csg @ 500 Ps. for 15 min. good Test, shoot Perf @ 2500'. inject circulation, use 5 Bbls, shoot Perf @ 2000'. set a CICK @ 2400'. Rig down wL, (11:00) T1H w/stinger + 39 stands + 1 Joint, sting in cick, (12:00) HSM w/cementers, Rig up cementers, Pump 10 Bbls of Mud Flash + 5 Bbls of Fresh water + 190 sxs of cmt from Perf @ 2500' to Perf @ 2000', sting out of cick, TOC on csg and annulus @ 2000'. Rig down cementers, (2:00) LD 79 Joints (3:00) Hs TOOL BOX SAFETY MEETING w/wL, Rig up wL, ~~CU~~ + 4 1/2 csg @ 503' Rig down wL, (3:30) circula ATTENDEES OTHER THAN LISTED BELOW well clean use 50 Bbls. (4:00) secure well, Drain Pump + Hardline. (4:30) Rig crew draw

## TOPIC

Secure Rig + Tanks, cover equip, clean Location. (4:30) Rig crew draw

## CHARGE RECORD

725	Rig Time	Hrs. @	Per Hr.	\$
5062	Crew Travel x			\$
8311	Mud Pump x Tank			\$
40-6-9	Base Beam			\$
	Power Swivel x			\$
2994	Washington Head			\$
	Blow-out Preventer x			\$
	Flanges x			\$
	Tool Pusher			\$
8344	Mud Tank x			\$
	Power Rod Tongs x			\$
	Fuel	Gals. @	Per Gal	\$
✓	Pipe Dope @ \$		Per Trip	\$
	Washington/Stripper Rubber	# @ \$		\$

water. start w/ 430 Bbls. Finish w/ 250 Bbls.	
Fishing Tools x	\$
Light Plant x	\$
Swab Cups	# @ \$
Swab Cups	# @ \$
Oil Svr. Rbr.	# @ \$
TBG Wiper Rubber	# @ \$
Rod Wiper Rubber	# @ \$
Sub Pay (# ) @ \$	\$
4th Hand	\$
5th Hand	\$
Other	\$
Other	\$
Other	\$
Sales Tax x	%

Total Charges

## CHARGE RECORD

Type Well Head	Mud Anchor	No. & Size Rods
Packer Settings	Size Tubing	No. & Size Subs
Type Packer	Subs	Pump Description (out)
No. Jts. Tubing	Perf. Nppl.	(in)

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

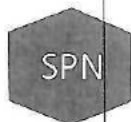
	RIG	TRAVEL	TOTAL
OPERATOR Luis Trujillo	10	1	11
DERRICKMAN Edgar Peña	10	1	11
FLOOR HAND Hector H Guzman	10	1	11
FLOOR HAND Maria Marquez	10	1	11

# J00650827

## Well Services

NO. 66251  
06251

40.36843200  
-104.53351800



Customer Noble Energy

Date 02-23-2021

Well / Lease HERBST 27-02

State CO

Company Rep. Chris Hohnstein Time 6:00am To 6:00pm Area PNA

County weld

Rig No. 725

### DESCRIPTION

(6:00) RCTL, (6:30) HSM, start equip, check well Psi, Tubing 1660 Psi, CSG 1250 Psi, surface 0,  
(7:00) Pressure test BOP + Hardline, nipple down well tree, (8:00) HSM w/ Burners, Rig up  
Burners, Burn Gas, (12:30) start Pumping to kill well, circulate well clean, use  
180 Bbls, Rig down Burners. (2:00) nipple down well Head, nipple up BOP, Rig up w/f.  
Pressure test Ring on well, unland Tubing (3:00) TOH w/ 39 stands, LD 144 Joint  
(5:00) Secure well, Drain Pump + Hardline, secure Rig + Tanks, cover equip, clean.  
Location. (5:30) Rig crew drove back to yard.

### TOOL BOX SAFETY MEETING

water start w/ 470 Bbls. finish w/ 290 Bbls.

### ATTENDEES OTHER THAN LISTED BELOW

TOPIC 4.5 oos Burning Gas

P&A Day 1

### CHARGE RECORD

<u>725</u>	Rig Time	Hrs. @	Per Hr.	\$	Fishing Tools x	\$
<u>5082</u>	Crew Travel x			\$	Light Plant x	\$
<u>8311</u>	Mud Pump x Tank			\$	Swab Cups # @ \$	\$
<u>406-9</u>	Base Beam			\$	Swab Cups # @ \$	\$
	Power Swivel x			\$	Oil Svr. Rbr.	# @ \$
	Washington Head			\$	TBG Wiper Rubber	# @ \$
<u>2994</u>	Blow-out Preventer x			\$	Rod Wiper Rubber	# @ \$
	Flanges x			\$	Sub Pay (#) @ \$	\$
	Tool Pusher			\$	4th Hand	\$
<u>8344</u>	Mud Tank x			\$	5th Hand	\$
	Power Rod Tongs x			\$	Other	\$
	Fuel Gals. @	Per Gal	\$		Other	\$
<input checked="" type="checkbox"/>	Pipe Dope @ \$	Per Trip	\$		Other	\$
	Washington/Stripper Rubber	# @ \$	\$		Sales Tax x	%
				Total Charges		\$

### CHARGE RECORD

Type Well Head	Mud Anchor	No. & Size Rods
Packer Settings	Size Tubing	No. & Size Subs
Type Packer	Subs	Pump Description (out)
No. Jts. Tubing	Perf. Nppl.	(in)

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR <u>Luis Trujillo</u>	11	1	12
DERRICKMAN <u>Edgar Peña</u>	11	1	12
FLOOR HAND <u>Hector H Guzman</u>	11	1	12
FLOOR HAND <u>Mario Marquez</u>	11	1	12



# Job 650827

## Well Services

N96000051494

NO. 66250

66250

40.36843200  
-104.53351800

Customer Noble Energy

Date 03-22-2021

Well / Lease HERBST 27-02

State CO

Company Rep. Chris Hohnstein

Time 2:00PM To 6:30PM Area PNA

County weld

Rig No. 725

### DESCRIPTION

(2:30) Location set up, spott Base Beam + Rig, Rig up Rig, check well Psi, Tubing 1060Ps  
Csg 1250 Psi, surface OPs. (3:30) wait on All The equip. (4:30) spott All equip, Rig up  
Hardline + Pump + Tanks, (5:30) secure well + Rig and Tanks, cover equipment, clean  
Location (6:00) Rig crew drove back To Yard.

### TOOL BOX SAFETY MEETING

ATTENDEES OTHER THAN LISTED BELOW

TOPIC

P&A

### CHARGE RECORD

<u>725</u>	Rig Time _____ Hrs. @ _____ Per Hr. .... \$	Fishing Tools x _____ \$
<u>5062</u>	Crew Travel x _____ \$	Light Plant x _____ \$
<u>8311</u>	Mud Pump x Tank _____ \$	Swab Cups _____ # @ \$ _____ \$
<u>40-8-9</u>	Base Beam _____ \$	Swab Cups _____ # @ \$ _____ \$
	Power Swivel x _____ \$	Oil Svr. Rbr. _____ # @ \$ _____ \$
	Washington Head _____ \$	TBG Wiper Rubber _____ # @ \$ _____ \$
<u>2994</u>	Blow-out Preventer x _____ \$	Rod Wiper Rubber _____ # @ \$ _____ \$
	Flanges x _____ \$	Sub Pay (# _____ ) @ \$ _____ \$
	Tool Pusher _____ \$	4th Hand _____ \$
<u>8344</u>	Mud Tank x _____ \$	5th Hand _____ \$
	Power Rod Tongs x _____ \$	Other _____ \$
	Fuel _____ Gals. @ _____ Per Gal. .... \$	Other _____ \$
<u>✓</u>	Pipe Dope @ \$ _____ Per Trip .... \$	Other _____ \$
	Washington/Stripper Rubber _____ # @ \$ _____ \$	Sales Tax x _____ % _____ \$
		Total Charges _____ \$

### CHARGE RECORD

Type Well Head _____	Mud Anchor _____	No. & Size Rods _____
Packer Settings _____	Size Tubing _____	No. & Size Subs _____
Type Packer _____	Subs _____	Pump Description (out) _____
No. Jts. Tubing _____	Perf. Nppl. _____	(in) _____

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR <u>Luis Trujillo</u>	4	.5	4.5
DERRICKMAN <u>Edgar Peña</u>	4	.5	4.5
FLOOR HAND <u>Hector H Guzman</u>	4	.5	4.5
FLOOR HAND <u>Marin Marañez</u>	4	.5	4.5

# J00651689

N96000051699



**Well Services**

## Field Ticket

P.O. BOX 201934  
DALLAS, TX. 75320-1934  
24 Hour Phone (970) 353-5118

Date  
**March 24, 2021**

Company Name <b>NOBLE Energy</b>		Well Name and Number <b>HERBST 27-02</b>		Field Ticket Number <b>3813-0864</b>
Address <b>2115 117th Ave</b>		Well API # <b>05-123-12651</b>	District <b>Greeley CO 0928-120</b>	Engineer <b>J. KERR</b>
City/State/Zip Code <b>Greeley, CO 80634</b>		Latitude <b>40.368420</b>	Wireline Unit Number <b>WL 3813</b>	Supervisor/Engineer
County/Parish <b>WELD</b>	Field <b>WATTENBERG</b>	Longitude <b>-104.533500</b>	Rig Name & Number or Crane Unit Number <b>SPN RIG 725</b>	Equipment Operator <b>J. CROWLEY</b>
Field Engineer / Supervisor Signature <b>Joshua Kerr</b>		Equipment Operator # <b>1015-20210322-J00651689</b>		Equipment Operator

RUN DATA	NS	SI	S	O	T	L	UNITS	CODE	DATE	DEPTHS AND DESCRIPTION
Job Time: 7:30 Shop Time: 6:00							1.0	1000-100		Service Charge Cased Hole Unit
Leave Shop: 6:30 Arrive Location: 7:00							1.0	1120-010		Packoff Operation Charge 08-1000#
Begin Rig Up: 7:20 Finish Rig Up: 7:35										
1 Time in 7:45 Time Out 8:15										
From SURFACE To 6498'							6,000.0	1230-001		Bridge Plug Depth Charge
Service in CIBP							1.0	1240-001		Bridge Plug Operation Charge
2 Time in 8:20 Time Out 8:45							1.0	1230-023		Standard Set Power Charge
From SURFACE To 6498'							1.0	1250-005		Cast Iron Bridge Plug for 4 1/2" Pipe
Service CEMENT										
3 Time in 9:15 Time Out 9:30							6,000.0	1230-007		Dump Bailer Depth Charge
From SURFACE To 2500'							1.0	1240-007		Dump Bailer Operation Charge
Service PERI-										
4 Time in 9:35 Time Out 9:45							6,000.0	1190-010		Hollow Carrier Depth Charge (Expendable or Ported)
From SURFACE To 2000'							20.0	1190-020		HSC Per Shot (Expendable or Ported) 0-6,000
Service PERI-										
5 Time in 9:50 Time Out 10:00							6,000.0	1190-010		Hollow Carrier Depth Charge (Expendable or Ported)
From SURFACE To 2400'							20.0	1190-020		HSC Per Shot (Expendable or Ported) 0-6,000
Service CIBP										
6 Time in 13:10 Time Out 13:15							6,000.0	1230-004		Cement Retainer Depth Charge
From SURFACE To 503'							1.0	1240-004		Cement Retainer Operation Charge
Service JET CUT							1.0	1230-023		Standard Set Power Charge
7 Time in Time Out							1.0	1250-004		Cast Iron Cement Retainer for Casing or Tubing
From Time To										
Service							6,000.0	1050-001		Jet Cutter Depth Charge
8 Time in Time Out							1.0	1050-004		Jet Cutter Operation Charge for Casing
From Time To										
Service										
9 Time in Time Out										
From Time To										
Service										
10 Time in Time Out										
From Time To										
Service										
11 Time in Time Out										
From Time To										
Service										
12 Time in Time Out										
From Time To										
Service										
13 Time in Time Out										
From Time To										
Service										
14 Time in Time Out										
From Time To										
Service										
Begin Rig Down: 13:15 Finish Rig Down: 13:30										
Leave Location: 13:35 Arrive Shop: 14:10										
Operating Hrs: 2:05 Standby Hours: 0:00										
Total Field Hrs: 3:10 Travel Time Hrs: 1:05										
Total Trip Miles: 5 Lost Time Hrs: 0:00										
Line Size: 9/32" Line Length: 15,000										
Wellhead Valve: 0 Rig Valve: 0										
<b>WELL DATA</b>										
Casing Size: 4.5" Liner Size:										
Tubing Size:										
Drill Collar Size:										
Fluid Level:										
Max. Temp:										
Field Prints:										
Comments:										
							<b>SUB TOTAL</b>			
							<b>LESS DISCOUNT</b>			
							<b>NON DISCOUNTED ITEMS</b>			
							<b>SUB TOTAL</b>			
							<b>TOTAL</b>			
							P.O. Number		AFE Num	

All Invoices Payable in Box 201934 Dallas, Dallas CO, TX 75320-1934.  
TERMS: NET 30 DAYS.

Concerning irretrievable loss of sealed sources, both SPN Well Services E-Line and customer agree to abide by 25 TAC § 289.253 and NRC Part 39.77.

The Services (as defined in the Terms) related to this Field Invoice Ticket shall be governed exclusively by the SPN Well Services Customer Agreement General Terms and Conditions (the "Terms"), which are expressly incorporated herein by reference. The Terms are available upon request and at Superior's website (<http://www.superiorenergy.com>). Acceptance of the Terms shall be by the earlier of the date of signing above or by acknowledgment as described in Section 1 of the Terms, including without limitation by beginning performance.

Customer Signature \_\_\_\_\_ Customer Printed Name \_\_\_\_\_



Well Services

## JOB DATA SHEET

Company	NOBLE Energy	Well Name and No.	HERBST 27-02	Engineer	J. KERR
County	WELD	Date	3/24/2021	Ticket No.	3813-0864
District	Greeley CO 0928-120	Line Size	9/32"	Line Length	15000
Job Time:	7:30 AM	Shop Time:	6:00 AM	Leave Shop:	6:30 AM
Field Hrs.	2:05:00	Standby Hours:	0:00:00	Total Hours	3:10:00
Trip Miles	5	Leave Location:	1:35 PM	Arrive Shop:	2:10 PM
				Arrive Location:	7:00 AM
				Travel Time Hrs.	1:05:00

**Notice: Engineer to monitor for stray voltage prior to rig up:** Wellhead volts: 0 Rig volts: 0

Were there any equipment or down hole failures?	Yes	No	X	If yes explain on Quality Control Analysis Form
Were there any hot shots required?	Yes	No	X	If yes explain on Quality Control Analysis Form
Were there any personnel problems?	Yes	No	X	If yes explain on Quality Control Analysis Form
Were there any accidents?	Yes	No	X	If yes explain on Quality Control Analysis Form
Were there any near misses?	Yes	No	X	If yes explain on Quality Control Analysis Form

\*\*\*\*\* Well Information \*\*\*\*\*

Casing Size	4.5"	Liner Size		Tubing Size	0	Drill Pipe Size	
Drill Collar		Minimum I.D.		Fluid Level	0	Deviation	
Max. Temp.		Max. Pressure					

\*\*\*\*\* Run Data \*\*\*\*\*

**RUN INFORMATION**

**\*\*\*\*\*REMARKS SECTION\*\*\*\*\*DESCRIBE RUN DETAILS IN FULL \*\*\*\*\***

1 Time in 7:45 AM Out 8:15 AM  
From SURFACE To 6498'  
Service CIBP

RIH WITH CIBP FOR 4.5" CASING, SET @ 6498', POOH

2 Time in 8:20 AM Out 8:45 AM  
From SURFACE To 6498'  
Service CEMENT

RIH WITH CEMENT DUMP BAILER, DUMP CEMENT @ 6498', POOH

3 Time in 9:15 AM Out 9:30 AM  
From SURFACE To 2500'  
Service PERF

RIH WITH 6SPF SQUEEZE GUN, PERF @ 2500', POOH

4 Time in 9:35 AM Out 9:45 AM  
From SURFACE To 2000'  
Service PERF

RIH WITH 6SPF SQUEEZE GUN, PERF @ 2000', POOH

5 Time in 9:50 AM Out 10:00 AM  
From SURFACE To 2400'  
Service CICR

RIH WITH CICR FOR 4.5" CASING, SET @ 2400', POOH

6 Time in 1:10 PM Out 1:15 PM  
From SURFACE To 503'  
Service JET CUT

RIH WITH JET CUTTER FOR 4.5" CASING, CUT CASING @ 503', POOH

7 Time in 12:00 AM Out 12:00 AM  
From 0 To 0  
Service 0

8 Time in 12:00 AM Out 12:00 AM  
From 0 To 0  
Service 0