

Date: 2/7/17 -2/10/17

Operator: Noble Energy Inc.

Well Name: Wilmoth C 14-19

Legal Location: SENW Sec. 14 T4N R64W

API # 05-123-24526-00

Job Log

Weld County



2/7/17: MI RU, check psi: 750/750/10 psi, pressure test pump's lines, function test bops, blow pressure down, circulate the well with 130 BBLs of fresh water, ND WH, NU BOPs, RU work floor, TOO H, tally and stand back 56 JTS and lay down the rest of TBG on float, RU WL to go in and set CIBP @6529' and to spot 2sxs of CMT on plug, load well with water, pressure test to 1100 for 15 min, held good, WL go in to shoot squeeze holes @1850', RD WL, TIH with retainer and 56 JTS to set retainer @1750', est. injection rate, SWI.

2/8/17: Check psi: 10/0/5 psi, blow pressure down, RU Halliburton CMT equip to pump 180sxs through retainer and 10sxs on top (1750'-1611'), TOO H, stand back 22 JTS, lay down the rest on float, RU WL to go in and cut CSG @672', RD WL, ND BOPs and WH, unland CSG, NU BOPs on surface head, TOO H, lay down 17-4 ½ JTS, change equip over to 2 3/8, SWI.

2/9/17: Check psi: 0 psi, TIH with 22 JTS (EOT@687'), RU Halliburton CMT equip to pump 125sxs (687'-292'), RD CMT equip, TOO H, SWI.

2/10/16: Check psi: 0 psi, TIH to tag CMT @292' with 9 JTS in hole, RU CMT equip, pumped CMT to surface, lay down TBG, ND BOPs, top off well with CMT (97sxs top plug), SWI, RD MO.

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

Cementing Contractor: LEED Energy Services

Cementing Contractor Supervisor: Sergio Gutierrez

Operator Supervisor: Kevin Monaghan

State Representative: Tom Peterson

Wireline Contractor: Integrated Production Services

## DAILY WORK REPORT

LEED ENERGY SERVICES, INC.  
303-654-9202  
P.O. BOX 329 • 1352 FACTORY DRIVE  
FORT LUPKIN, CO. 80621

1365



NO. 55458  
55458

1001273

Date 2-7-17

Customer Noble energy

State Colorado

Well / Lease Wilmoth C14-19

County Weld ✓

Company Rep. Kevin Monaghan Time 6:00 To 5:00 Area Gas

Rig No. 716

## DESCRIPTION

DRIVE crew TO location have Safety meeting  
Check Well Pressure = 750/750/1000 Blow down Well  
Pumped down 130 bbis TO rock the hole clean, NIPPLE UP  
bops and R19 floor TRIP OUT TO Derrick 28 STANDS TALLY OUT  
and Lay down the rest on TRL R19 UP Wire Line TO SET  
CIBP @ 6929' dump ball 2 sacks of Cement Pressured up on casing  
TO TEST for 1100 for 15 minutes TEST good Perforate holes on casing  
R19 down Wire Line TRIP in hole with retainer SET @ 1750 with

## TOOL BOX SAFETY MEETING

56 Joints Pumped 15bbis TO inject, Secure well in  
draw up cement and shut down drive crew to the Yard

TOPIC

## CHARGE RECORD

P&amp;A Day 1

## 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 Felipe Hernandez	10	1	11
DERRICKMAN Jose Cabral	1	1	1
FLOOR HAND JUAN Castorena	1	1	1
FLOOR HAND Jose Morales	1	1	1

C014504/CR7933 EPS

## DAILY WORK REPORT

LEED ENERGY SERVICES, INC.  
303-654-9202  
P.O. BOX 329 • 1352 FACTORY DRIVE  
FORT Lupton, CO 80621

1365



NO. 55456  
55456

1001273

Long. 104.5225.W  
LAT 40.3161. N

Date 2-8-17

Customer Noble energy

State Colorado

Well / Lease Wilmoth C14-19

County Weld ✓

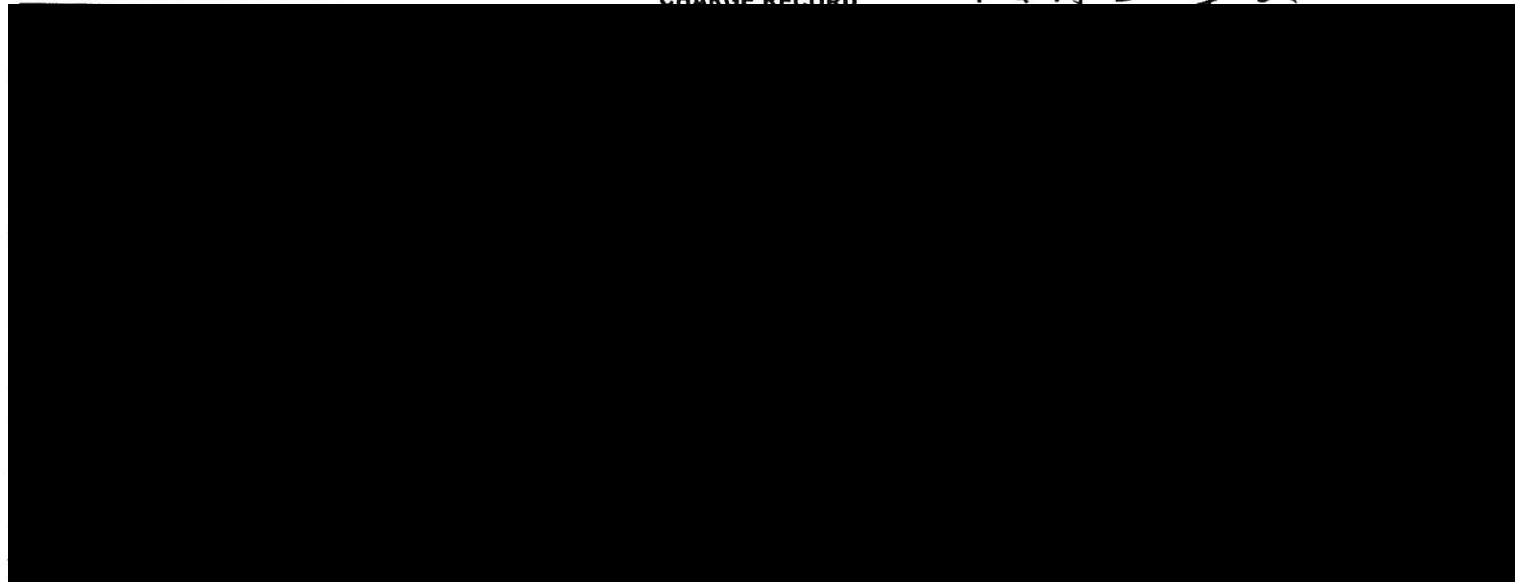
Company Rep. Kevin Monaghan Time 6:00 To 4:30 Area Gas

Rig No. 716

## DESCRIPTION

DRIVE Crew TO location have Safety meeting  
Check well PSI = 10 / 0 / 5 bleed down PSI, Rig up  
Halliburton Cementer CICR with 56 Joints @ 1750. Pump  
Cement Through the Retainer 180 SX and 10 SX on top of  
Retainer, TRIP OUT 11 STANDS to derrick lay down 34 JOINTS ON  
TRC load hoist with 8 bbls Rig up wire line to jet cut casing @  
672, R/d wire line. Run the hoist with 100 bbls, nipple down spear up on  
Casing flange up Nipple up box come out laying down 4 1/2 casing total of  
TOOL BOX SAFETY MEETING 17 JTS, change over equipment to 2 3/8 Secure well in  
ATTENDEES OTHER THAN LISTED BELOW drain up equipment shut down drive crew back to the rig  
TOPIC P&A Day 2

## 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 Felipe Hernandez	9 1/2	1	10 1/2
DERRICKMAN Jose Cabral	1	1	1
FLOOR HAND JUAN CASTORENA	1	1	1
FLOOR HAND Jose Morales	1	1	1

CO14504/CR7933 EPS

## DAILY WORK REPORT

LEED ENERGY SERVICES, INC.  
303-654-9202  
P.O. BOX 329 • 1352 FACTORY DRIVE  
FORT Lupton, CO. 80621

1365



NO. 55457

55457

1001273

Date 2-9-17

Customer Noble energy

State Colorado

Well / Lease WILMOTH C14-19

County Weld ✓

Company Rep. Kevin Monaghan Time 6:00 To 2:00 Area gas

Rig No. 716

## DESCRIPTION

DRIVE Crew TO location have Safety Meeting  
Check Well Pressure = 0 TRIP IN The hole from derrick  
With 22 JOINTS @ 687 RIG UP Halliburton Cementer  
Pump from 687 with 22 JOINTS 125 SX TOP OF CEMENT 356  
Lay down Pipe ON TRL Wash down equipment, Secure  
Well in drain UP equipment. Shut down drive crew back  
TO The yard

## TOOL BOX SAFETY MEETING

ATTENDEES OTHER THAN LISTED BELOW

PEA Day 3

TOPIC

## 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 Felipe Hernandez	7	1	8
DERRICKMAN Jose Cabral	1	1	1
FLOOR HAND Jose Morales	1	1	1
FLOOR HAND Jose Rivera	1	1	1

C014504/CR7933 EPS

## DAILY WORK REPORT

LEED ENERGY SERVICES, INC.  
303-654-9202  
P.O. BOX 329 • 1352 FACTORY DRIVE  
FORT Lupton, CO 80621



NO. 55460  
55460

1001273

Date 2-10-17

Customer Noble energy

State Colorado

Well / Lease Wilmoth C114-19

County Weld ✓

Company Rep. Kevin Monaghan Time 6:00 To 12:00 Area

Rig No. 716

## DESCRIPTION

DRIVE Crew TO location have Safety meeting  
Check Well Pressure = 0 Pick UP Pipe TO Tag Cement  
Tagged With 9 JOINTS @ 292, Rig UP Cementers Pumped  
a Total of 97 sacks TO Surface Lay down pipe, WASH  
down equipment, Brake all hard lines. Pick UP Pump and  
Tank Rig down Rig, Move over rig TO Next location

Total Man hours 177.5

## TOOL BOX SAFETY MEETING

F# A Final

ATTENDEES OTHER THAN LISTED BELOW

TOPIC

970.10 Task 0050 Acct Code

K. MONAGHAN  
Work Ordered By

Feb 14, 2017

APPROVED

*K. Monaghan*

Monaghan (1st approver E. Zwaagstra)

Mud Anchor

Size Tubing

Subs

Perf Nppl

No. & Size Rods

No. & Size Subs

Pump Description (out)

(in)

CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

	RIG	TRAVEL	TOTAL
OPERATOR Felipe Hernandez	5 1/2	1/2	6
DERRICKMAN Jose Cabral	1	1	1
FLOOR HAND Jose Rivera	1	1	1
FLOOR HAND Jose Morales	1	1	1

CO14504/CR7933 EPS

# LEED CEMENT REPORT

operator: <u>Noble</u>	Date: <u>1-10-17</u>	API #
Lease Name: <u>644 math ch-19</u>	Rig #: <u>716</u>	County: <u>Weld</u>

	Plug# 1	Plug# 2	Plug# 3	Plug# 4	Plug# 5
Cement Date:	<u>1-10-17</u>				
Size of Hole or Pipe in which Plug Placed:	<u>8 5/8</u>				
Depth to Bottom of Tubing or Drill Pipe:	<u>292'</u>				
Sacks of Cement Used ( each plug ):	<u>97.6</u>				
Slurry Volume Pumped:	<u>20</u>				
Measured Top of Plug:	<u>surface</u>				
Slurry Wt. #/Gal.	<u>15.8</u>				
Type Cement:	<u>9</u>				

*Supri Gupta*  
Signature of Cementer or Authorized Representative

*Leed*  
Name of Cementing Company



## The Road to Excellence Starts with Safety

The Road to Excellence Starts With Safety			
Sold To #: 345242	Ship To #: 2612447	Quote #:	Sales Order #: 0903831595
Customer: NOBLE ENERGY INC - EBUS		Customer Rep: Kevin Monaghan	
Well Name: Wilmoth C		Well #: 14-19	API/UWI #: 05-123-24526
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: WELD	State: COLORADO
Legal Description:			
Contractor: Kevin Monaghan		Rig/Platform Name/Num: Workover	
Job BOM: 7526			
Well Type: GAS			
Sales Person: HALAMERICA\HB61755		Srv Supervisor: Bradley Hinkle	

## Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	687ft	Job Depth TVD	687ft
Water Depth		Wk Ht Above Floor	
Perforation Depth (MD)	From	To	

## 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
Casing		8.625	8.097	24			0	472		
Tubing		2.375	1.995	4.7			0	687		
Casing		4.5	4	11.6			672	1850		

## Tools and Accessories

Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	2.375			687		Top Plug	2.375		HES
Float Shoe	2.375					Bottom Plug	2.375		HES
Float Collar	2.375					SSR plug set	2.375		HES
Insert Float	2.375					Plug Container	2.375		HES
Stage Tool	2.375					Centralizers	2.375		HES



Fluid Data										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	Spacer	Mud Flush III	10	bbl	8.4			2		
4	Primary Cement	HALCEM (TM) SYSTEM	125	sack	15.8	1.21	5.27	2	659	
Mix Water:		pH 6.5	Mix Water Chloride:		00 ppm	Mix Water Temperature:		52 °F °C		
Cement Temperature:		75 °F °C	Plug Displaced by:			## lb/gal kg/m <sup>3</sup> XXXX	Disp. Temperature:			## °F °C
Plug Bumped?		Yes/No	Bump Pressure:			#### psi MPa	Floats Held?			Yes/No
Cement Returns:		## bbl m <sup>3</sup>	Returns Density:			## lb/gal kg/m <sup>3</sup>	Returns Temperature:			## °F °C
Comment Estimated top of plug at 356 feet.										