



Date: 3/15/17 –3/17/17

Operator: Noble Energy Inc.

Well Name: Wells Ranch USX AA 33-08

Legal Location: SENE Sec. 33 T6N R63W

API # 05-123-26416-00

Job Log

Weld County



3/15/17: MI RU, check psi: 1200/1200/0 psi, pressure test pump's lines, function test BOPs, blow pressure down, roll the well to get gas out, ND WH, NU BOPs, RU work floor, TOO H, tally and stand back 52 JTS and lay down the rest on float, SWI.

3/16/17: Check psi: 0/0 psi, RU WL to go in and set CIBP @6480' and spot 2sxs of CMT on top of plug, load well with fresh water, pressure test to 1000 psi, held good, WL go in and shoot squeeze holes @1740', RD WL, TIH with CICR and 53 JTS to set CICR @1639', RU CMT equip to condition well for CMT and pump 200sxs through retainer and 10sxs on top of retainer (1639'-1507'), TOO H, stand back 26 JTS and lay down the rest on float, RU WL to go in and cut CSG @763', RD WL, roll the hole, ND WH, NU BOPs and RU work floor, SWI.

3/17/17: Check psi: 0/0 psi, TOO H, lay down 18-4 ½ JTS on float, change equip to 2 3/8, TIH with 26 JTS (EOT@815'), condition well for CMT, RU CMT equip to pump CMT to surface, lay down TBG, ND BOPs, top off well with CMT (302sxs), 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: Conor Pesicka

Wireline Contractor: Integrated Production Services

LEED CEMENT REPORT

operator: <u>NOBAC</u>	Date: <u>3-16-17</u>	API # <u>05-121-26416</u>
Lease Name: <u>WELLS RANCH USA AA</u> 33-08	Rig #: <u>718</u>	County: <u>WELD</u>

	Plug# 1	Plug# 2	Plug# 3	Plug# 4	Plug# 5
Cement Date:	<u>3-16-17</u>	<u>3-17-17</u>			
Size of Hole or Pipe in which Plug Placed:	<u>4 1/2" - 10"</u>	<u>8 5/8" - 10"</u>			
Depth to Bottom of Tubing or Drill Pipe:	<u>2639'</u>	<u>815'</u>			
Sacks of Cement Used (each plug):	<u>210</u>	<u>302</u>			
Slurry Volume Pumped:	<u>43</u>	<u>62</u>			
Measured Top of Plug:	<u>1507'</u>	<u>SURFACE</u>			
Slurry Wt. #/Gal.	<u>15.8</u>	<u>15.8</u>			
Type Cement:	<u>G</u>	<u>G</u>			

10 BBL'S
MUD FLUSH

Sergio Gutierrez
Signature of Cementer or Authorized Representative

Leed
Name of Cementing Company



Integrated Production Services. JOB DATA SHEET

Company LEED Energy Services Well Name and No. WELLS RANCH USX AA 33-08 Engineer 0
County Weld Date 3/16/2017 Ticket No. 4310-0900 Unit No. 4310
District Greeley CO 0928-200 Line Size 0.282 Line Length 0
Job Time: 7:00 AM Shop Time: 5:30 AM Leave Shop: 5:50 AM Arrive Location: 6:30 AM
Field Hrs. 2:30:00 Standby Hours: 0:00:00 Total Hours 3:50:00 Travel Time Hrs. 1:20:00
Trip Miles 60 Leave Location: 2:20 PM Arrive Shop: 3:00 PM

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 8:20 AM RIH with CIBP, set@6480', POOH
From SURFACE To 6480
Service CIBP(set@6480')
2 Time in 8:35 AM Out 8:55 AM RIH with Dump Bailer, Dump Cement@6480', POOH
From SURFACE To 6480
Service Dump Bailer(Cement@6480')
3 Time in 9:25 AM Out 9:35 AM RIH with Squeeze Gun, shot holes@1740', POOH
From SURFACE To 1740
Service Squeeze Gun(holes@1740')
4 Time in 1:35 PM Out 1:50 PM RIH with Jet Cutter, cut casing@763', POOH
From SURFACE To 763
Service Jet Cutter(cut Casing@763')
5 Time in 12:00 AM Out 12:00 AM
From 0 To 0
Service 0
6 Time in 12:00 AM Out 12:00 AM
From 0 To 0
Service 0
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