Date: 1/24/17 –1/27/17

Operator: Noble Energy Inc.

Well Name: Kerbs 12-15

Legal Location: SWNW Sec. 15 T6N R64W

API # 05-123-23537-00

Job Log

Weld County

1/24/17: MI RU, check psi: 1250/1300/0 psi, pressure test pumps lines, function test BOPs, blow pressure down, controlled well with 62 BBLs of fresh water, ND WH, NU BOPs, RU work floor, SWI.

1/25/17: Check psi: 100/250/0 psi, controlled well with 36 BBLs of fresh water, TOOH, tally and stand back 214 JTS and lay down the rest, RU WL to go in and set CIBP @6955', load well with water, WL RI to shoot squeeze holes @2500' and 1059', RD WL, TIH with 213 JTS (EOT@6955'), roll the hole, RU CMT equip, pumped 30sxs balance plug (6955'-6559'), RD CMT equip, stand back 74 JTS, SWI.

1/26/17: Check psi: 0/0/20 psi, blow pressure down, finish laying down pipe, TIH with CICR and 74 JTS to set retainer @2412', pumped 55sxs through retainer and 10sxs on top (2412'-2280'), RD CMT equip, TOOH, stand back 30 JTS and lay down the rest, TIH with CICR and 30 JTS to set retainer @978',RU CMT equip to pump 327sxs to get CMT to surface, sting out, reverse circulate the well, TOOH, SWI.

1/27/17: Check psi: 0 psi, RU WL to go in and log well from 972' to surface, TIH with 30 JTS, RU CMT equip to pump CMT to surface, lay down TBG, ND BOPs, top off well (80sxs total), 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: Jason Gomez

Wireline Contractor: Integrated Production Services

LEED CEMENT REPORT

operator: Noble	Date: 1-25-17	API # 05-123-23537
Lease Name: Kerbs 12-15	Rig #: 718	County: Weld

	Plug# 1	Plug# 2	Plug# 3	Plug# 4	Plug#5
Cement Date:	1-25-17	1-26-17	1-26-17	1-27-17	
Size of Hole or Pipe in which Plug Placed:	4½	4½-10"	4½-8⅝	4½	
Depth to Bottom of Tubing or Drill Pipe:	6955'	2472'	978'	978'	
Sacks of Cement Used (each plug):	30	65	32.7	80	
Slurry Volume Pumped:	6.1	13.3	67	16.5	
Measured Top of Plug:	6559'	2280'	Surface	Surface	
Slurry Wt. #/Gal.	15.8	15.8	15.8	15.8	
Type Cement:	G	G	G	G	

Signature of Cementer or Autherized Representative

Name of Cementing Company

LEED CEMENT REPORT

operator: Noble	Date: 1-25-17	API # 05-123-23537
Lease Name: Kerbs 12-15	Rig #: 708	County: Weld

	Plug# 1	Plug# 2	Plug# 3	Plug# 4	Plug#5
Cement Date:	1-25-17	1-26-17	1-26-17	1-27-17	
Size of Hole or Pipe in which Plug Placed:	4 1/2	4 1/2 - 10"	4 1/2 - 8 5/8	4 1/2	
Depth to Bottom of Tubing or Drill Pipe:	6955'	2412'	978'	978'	
Sacks of Cement Used (each plug):	30	65	327	80	
Slurry Volume Pumped:	6.1	13.3	67	16.5	
Measured Top of Plug:	6559'	2280'	Surface	Surface	
Slurry Wt. #/Gal.	15.8	15.8	15.8	15.8	
Type Cement:	G	G	G	G	

Signature of Cementer or Autherized Representative

Name of Cementing Company

IPS

Integrated Production Services. JOB DATA SHEET

Company	LEED Energy Services	Well Name and No.	KERBS [illegible] 12-15		Engineer	Adam Steerman	
County	Weld	Date	1/25/2017	Ticket No.	7770-1009	Unit No.	7770
District	Greeley CO 0928-200	Line Size	9/32"	Line Length	24,000'		
Job Time:	10:00 AM	Shop Time:	7:00 AM	Leave Shop:	9:15 AM	Arrive Location:	9:30 AM
Field Hrs.	0:50:00	Standby Hours:	0:00:00	Total Hours	1:45:00	Travel Time Hrs.	0:55:00
Trip Miles	30	Leave Location:	9:20 AM	Arrive Shop:	10:00 AM		

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 ____	**If yes explain on Quality Control Analysis Form**
Were there any hot shots required?	Yes ____	No ____	**If yes explain on Quality Control Analysis Form**
Were there any personnel problems?	Yes ____	No ____	**If yes explain on Quality Control Analysis Form**
Were there any accidents?	Yes ____	No ____	**If yes explain on Quality Control Analysis Form**
Were there any near misses?	Yes ____	No ____	**If yes explain on Quality Control Analysis Form**

Well Information

Casing Size	4.5"	Liner Size		Tubing Size		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	10:40 AM Out 11:15 AM	RIH with CIBP, Set @ 6955', POOH
From	SURFACE To 6955'	
Service	CIBP (set @ 6955')	25-Jan
2 Time in	11:20 AM Out 10:35 AM	RIH with Squeeze gun, Holes @ 2500', POOH
From	SURFACE To 2500'	1/25/2017
Service	Squeeze Gun (holes @ 250	
3 Time in	10:40 AM Out 10:45 AM	RIH with Squeeze Gun, Holes @ 1059', POH
From	SURFACE To 1059'	
Service	Squeeze Gun (holes @ 105	25-Jan
4 Time in	8:15 AM Out 8:40 AM	RIH WITH LOGGING TOOLS
From	SURFACE To 972'	LOG FROM 972' TO SURFACE 1-27-17
Service	CBL (log@972'to surface)	POOH
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	Out	
From	To	
Service		
8 Time in	Out	
From	To	
Service		