

# LEED CEMENT REPORT

OPERATOR:	DATE: 9-5-18	API# 05-123-24179
LEASE NAME: WASTE MANAGEMENT D35-09	RIG# SPN 715	COUNTY: WELD

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5
CEMENT DATE:	9-5-18	9-5-18	9-6-18	9-7-18	
SIZE OF HOLE OR PIPE IN WHICH PLUG PLACED:	4 1/2" #11.6	4 1/2" #11.6	4 1/2" #9"	8 5/8" #9"	
DEPTH TO BOTTOM OF TUBING OR DRILL PIPE:	6658'	4565'	2400'	1092'	
SACKS OF CEMENT USED (EACH PLUG):	20sx	55sx	165sx	401sx	
SLURRY VOLUME PUMPED:	5.4661	11.3661	33.7661	81.5sx	
MEASURED TOP OF PLUG:	6309'	3838'	1987/2268	SURFACE	
SLURRY WT. #/GAL. :	15.8ppg	15.8ppg	15.8ppg	15.8ppg	
TYPE CEMENT:	G+SILICA	G	G	G	
MUD FLUSH USED BBLS:	0	0	10	10	
CALCIUM CHLORIDE USED LBS:	0	0	0	0	
SUGAR USED LBS:	0	50	50	100	

  
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 SIGNATURE OF CEMENTER OR AUTHORIZED REPRESENTATIVE

SPN  
 \_\_\_\_\_  
 NAME OF CEMENTING CO.



# Well Services

Date: 9/4/18 –9/7/18

Operator: Noble Energy Inc.

Well Name: Waste Management D35-09

Legal Location: NESE Sec. 35 T3N R64W

API # 05-123-24179-00

Job Log

Weld County

9/4/18: MI RU, check psi: 100/1600/0 psi, pressure test lines and BOP's, blow pressure down, controlled well with 140 BBLs of water, ND WH, NU BOP's, SWI.

9/5/18: Check psi: 0/0/0 psi, TOOH, tally and stand back 204 JTS and lay down the rest on float, RU WL to go in and set CIBP @6658', RD WL, TIH to tag plug @6658' with 205 JTS in the hole, circulate well with water, pressure test plug to 1000 psi, held good, RU CMT equipment to pump 20sxs balance plug (6658'-6309'), RD CMT equipment, lay down 65 JTS (EOT@4565'), RU CMT equipment to pump 55sxs balance plug (4565'-3838'), RD CMT equipment, stand back 74 JTS, SWI.

9/6/18: Check psi: 0/0/0 psi, continue to lay down TBG on float, load well with 6 BBLs of water, RU WL to go in and shoot squeeze holes @2500', RD WL, establish injection rate with 10 BBLs of water, TIH with CICR and 74 JTS to set retainer @2400', pressure test back side to 500 psi, held good, RU CMT equipment to condition well and to pump 155sxs through retainer and 10sxs on top of retainer (2400'-2268'), RD CMT equipment, TOOH, stand back 36 JTS and lay down the rest on float, load well with 9 BBLs of water, RU WL to go in and cut CSG @1040', condition well with water, RD WL, SWI.

9/7/18: Check psi: 0/0 psi, ND BOP's and WH, UNLAND CSG, NU BOP's, TOOH, lay down 24-4 ½ JTS on float, change equipment to 2 3/8, TIH with 37 JTS (EOT@1092'), RU CMT equipment to condition well and to pump CMT up to surface, lay down TBG, ND BOP's, top off well with CMT (401sxs top plug), SWI, RD MO.

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

**Cementing Contractor: SPN Well Services**

**Cementing Contractor Supervisor: Matt Bulinski**

**Operator Supervisor: Dallas Russell**

**State Representative: Jim Precup**

**Wireline Contractor: SPN Well Services – E - Line**