



Well Services

E - LINE

Company LEED Energy Services Well Name and No. WasteManagement D35-09 Engineer Tony Serrano
 County Weld Date 9/6/2018 Ticket No. 7770-1223 Unit No. WL 7770
 District Greeley CO 0928-200 Line Size 932 Line Length 25600
 Job Time: 8:00 AM Shop Time: 5:30 AM Leave Shop: 7:00 AM Arrive Location: 7:30 AM
 Field Hrs. 1:20:00 Standby Hours: 0:00:00 Total Hours 2:20:00 Travel Time Hrs. 1:00:00
 Trip Miles 58 Leave Location: 2:30 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 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 2.375 Drill Pipe Size
 Drill Collar Minimum I.D. Fluid Level FULL Deviation
 Max. Temp. Max. Pressure

Run Data

RUN INFORMATION

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

1	Time in	<u>9:00 AM</u>	Out	<u>9:15 AM</u>	RIH WITH 4SPF PERF GUN, SHOT @ ' POOH		
	From	<u>SURFACE</u>	To	<u>2,500'</u>			
	Service	<u>PERF HOLES @ 2,500'</u>					<u>6-Sep</u>
2	Time in	<u>1:50 PM</u>	Out	<u>2:05 PM</u>	RIH WITH CASING CUTTER, CUT CASING @ 1,040', POOH		
	From	<u>SURFACE</u>	To	<u>1,040'</u>			
	Service	<u>CUT CASING @ 1,040'</u>					<u>6-Sep</u>
3	Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>			
	From	<u>0</u>	To	<u>0</u>			
	Service	<u>0</u>					
4	Time in	<u> </u>	Out	<u> </u>			
	From	<u> </u>	To	<u> </u>			
	Service	<u> </u>					
5	Time in	<u> </u>	Out	<u> </u>			
	From	<u> </u>	To	<u> </u>			
	Service	<u> </u>					
6	Time in	<u> </u>	Out	<u> </u>			
	From	<u> </u>	To	<u> </u>			
	Service	<u> </u>					
7	Time in	<u> </u>	Out	<u> </u>			
	From	<u> </u>	To	<u> </u>			
	Service	<u> </u>					
8	Time in	<u> </u>	Out	<u> </u>			
	From	<u> </u>	To	<u> </u>			
	Service	<u> </u>					



JOB DATA SHEET

Company LEED ENERGY SERVICES Well Name and No. WASTE MANAGEMENT D35-09 Engineer CODY FORNENGO
 County WELD Date 9/5/2018 Ticket No. 3812-1054 Unit No. WL 3812
 District Greeley CO 0928-200 Line Size 9/32" Line Length 22,000'
 Job Time: 11:00 AM Shop Time: 7:00 AM Leave Shop: 10:00 AM Arrive Location: 10:30 AM
 Field Hrs. 1:05:00 Standby Hours: 0:00:00 Total Hours 2:10:00 Travel Time Hrs. 1:05:00
 Trip Miles 60 Leave Location: 12:40 PM Arrive Shop: 1:15 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" 11.8# Liner Size N/A Tubing Size N/A Drill Pipe Size N/A
 Drill Collar N/A Minimum I.D. N/A Fluid Level FULL Deviation 0
 Max. Temp. 220 DEG. F. Max. Pressure 0

Run Data

RUN INFORMATION

REMARKS SECTION DESCRIBE RUN DETAILS IN FULL

1 Time in	<u>11:40 AM</u>	Out	<u>12:15 PM</u>	RIH WITH CIBP FOR 4.5" CASING
From	<u>SURFACE</u>	To	<u>6,658'</u>	<u>SET @ 6,658'</u>
Service	<u>CIBP (set @ 6,658')</u>			<u>POOH</u>
2 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
3 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
4 Time in		Out		
From	<u>0</u>	To		
Service	<u>0</u>			
5 Time in		Out		
From		To		
Service				
6 Time in		Out		
From		To		
Service				
7 Time in		Out		
From		To		
Service				
8 Time in		Out		
From		To		
Service				



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