Cement Verification Report - *Cementer's Well Service, Inc.*

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

COGCC Operator Guidance RULE #308.A.B(2)A.ii

CLIENT: PDC Energy	Cementer's FIELD TICKET #	300281-D

Requested Operator Guidance:

Well Name & Number	Lease	Everest	Well No.	03N

Well API Number	05-123-51670			
Job Date	3/23/22	**Time on**	22:15	24 hr time
Job Type	New Well Surface			
Cementing Company	Cementer's Well Service, Inc	**Contact**	Nate Kvamme - 303-324-4296	
Ambient conditions	clear	31	temp deg F	
Slurry Description				
a) Purpose	Surface - 9 5/8" 36# CSG, 12 1/4" hole			
b) Cement Class	Type I / II			
c) Cement Yield	1.61 cuft / sk			
d) Cement Density	13.9 PPG			
e) Number of sks	820 sks (94# equiv)			
f) Mix Fluid Type				
Water / Cement	8.5 Gal / sk			
g) Slurry mixed	235.0 BBLs slurry			
h) Additives used	1.50% CaCl2	3.00%	Bentonite	
Total Water Used	309.5 BBLs H20			
i) Displacement Fluid Vol	123.5 BBLs H20			
j) Method of Placement				
k) Set Depth	1,654 feet (ft)			
l) Stage tool depth	n/a			
m) Float Collar Depth	1,598 feet (ft)			
n) Designed Top of Cement	n/a to surface			
o) Centralizer depths	0			feet (ft)

Charts - (pressure, density, pump rate)

Landed Plug @ did not land psi **Final Lift Pressure @** 475 psi

Cement Density (as weighed during job) @ 13.9 PPG

Job notes

a) Plug down	Y / N	**Time**	1:50	24 hr time
b) Floats held	Y / N		*3/23/22*	
c) Full Returns	Y / N	**Lost Circulation**	Y / N	
d) Cement to surface	Y / N	5.0	BBLs to surface	
e) If no returns, top off	n/a	BBLs		
f) Top off detail				
g) Additional Detail	Confirmed plug left plug container (cement head), but did not land. Pumped 4 BBLs over calculated			
	0			

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PDC Energy

Surface Casing Pressure Test - Cement Job Graph

COMPANY DETAILS					
Date	3/23/22	API #	05-123-51670	Well No.	03N
County	Weld	State	CO	Lease	Everest

Client PDC Energy

Contact / email

JOB DETAILS								
TIME ON	22:15	24 hr	Depth	1,654	ft.	Pressure Test @	did not land	psi
START TIME	0:08	3/23/22	Bottom of Surface	1,654	ft.	10 min	-	psi
END TIME	2:17	3/23/22	Plug Landed @	1,598	ft.	20 min	-	psi
			Plug Landed @	1:50	24 hr	30 min	-	psi

SUMMARY GRAPH

Did not perform pressure test because the plug did not land and we did not overdisplace in order to land the plug.

Centralizer Depths

Well Name: Everest 03N **Surface, Set Depth: 1,654.3ftKB**

API	Surface Legal Location	Field Name	State	Well Configuration Type
05123516700000	NWNE 34 6N 66W	Wattenberg	CO	Horizontal

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date	On Production Date	Abandon Date
4,697.00	4,725.00	28.00	6/23/2022 08:30	6/27/2022 11:45		

Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
2		Casing Joints	9 5/8	36.00	J-55	Yes	41.56	Yes		LT&C	1,610.9	43.41
6		Casing Joints	9 5/8	36.00	J-55	Yes	41.50	Yes		LT&C	1,444.9	209.36
10		Casing Joints	9 5/8	36.00	J-55	Yes	41.47	Yes		LT&C	1,279.0	375.30
14		Casing Joints	9 5/8	36.00	J-55	Yes	41.46	Yes		LT&C	1,113.1	541.20
18		Casing Joints	9 5/8	36.00	J-55	Yes	41.49	Yes		LT&C	947.2	707.15
22		Casing Joints	9 5/8	36.00	J-55	Yes	41.52	Yes		LT&C	781.2	873.15
26		Casing Joints	9 5/8	36.00	J-55	Yes	41.50	Yes		LT&C	615.6	1,038.72
30		Casing Joints	9 5/8	36.00	J-55	Yes	41.49	Yes		LT&C	450.0	1,204.28
34		Casing Joints	9 5/8	36.00	J-55	Yes	41.46	Yes		LT&C	284.1	1,370.18
38		Casing Joints	9 5/8	36.00	J-55	Yes	41.48	Yes		LT&C	118.2	1,536.11
39		Casing Joints	9 5/8	36.00	J-55	Yes	41.18	Yes		LT&C	77.0	1,577.29