

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: Verdad Resources	Cementer's FIELD TICKET #	334077-D
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Requested Operator Guidance:

Well Name & Number	Lease	Timbro Fed 1931	Well No.	07H
Well API Number	05-123-51204			
Job Date	1/25/22	Time on	18:00	24 hr time
Job Type	New Well Surface			
Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296	
Ambient conditions	clear	24	temp deg F	
Slurry Description				
a) Purpose	Surface - 9 5/8" 36# CSG, 13 1/2" hole			
b) Cement Class	Type I / II			
c) Cement Yield	1.61	cuft / sk		
d) Cement Density	13.9	PPG		
e) Number of sks	725	sks (94# equiv)		
f) Mix Fluid Type				
Water / Cement	8.5	Gal / sk		
g) Slurry mixed	207.7	BBLs slurry		
h) Additives used	1.50%	CaCl2	3.00%	Bentonite
Total Water Used	285.5	BBLs H2O		
i) Displacement Fluid Vol	118.7	BBLs H2O		
j) Method of Placement				
k) Set Depth	1,578	feet (ft)		
l) Stage tool depth	n/a			
m) Float Collar Depth	1,536	feet (ft)		
n) Designed Top of Cement	n/a	to surface		
o) Centralizer depths	0	feet (ft)		

Charts - (pressure, density, pump rate)

Landed Plug @ 1620 psi Final Lift Pressure @ 425 psi

Cement Density (as weighed during job) @ 13.9 PPG

Job notes

a) Plug down	<input checked="" type="radio"/> Y / <input type="radio"/> N	Time	20:26	24 hr time
b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N		1/25/22	
c) Full Returns	<input checked="" type="radio"/> Y / <input type="radio"/> N	Lost Circulation	<input checked="" type="radio"/> Y / <input type="radio"/> N	
d) Cement to surface	<input checked="" type="radio"/> Y / <input type="radio"/> N	13.0	BBLs to surface	
e) If no returns, top off	n/a	BBLs		
f) Top off detail				
g) Additional Detail	0			
	0			

Surface Cement Job Report - Cementer's Well Service, Inc.

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DATE: 1/25/22



Verdad Resources

Lease: Timbro Fed 1931

Well: 07H

API# 05-123-51204

Date & Time On	1/25/22 18:00
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Item	Event	Date	Time (24 hr)	Density (PPG)	Pump Rate (BPM)	Incremental (Line Item) Volume (BBLs)	Cumulative Volume (BBLs)	Pressure (PSI)	Comment
Pre-job	1 Call Out	1/25/22	13:00						Verdad Resources call out w/ 4 hr notice
	2 Leave Yard	1/25/22	16:30						Cementer's leaves yard to travel to location
On Location: Pre-job	3 Arrive On Location	1/25/22	18:00						Arrive on location
	4 Spot Trucks	1/25/22	18:05						Spot trucks on location
	5 Rig Up	1/25/22	18:07						Rig up water & Cementer's Bulk Truck, prep pump and mixing operation
	6 Safety Meeting	1/25/22	18:12						Pre-job safety meeting with Ikon12 rig crew, Verdad company man & Cementer's crew
	7 Rig Up	1/25/22	18:17						Rig up cement head w/plug
	8 Fill Lines	1/25/22	18:19	8.34	2.00				Fill lines with up to 5 bbls of fresh water
Initial Job Start	9 Pressure Test	1/25/22	0:00	8.34	-			-	Pressure test pumps and lines
	10 Pump Spacer	1/25/22	18:53	8.34	4.00	20	20	-	Pump dye fresh water @ 20 BBLs
Cementing	11 Pump Cement	1/25/22	18:58	13.90	4.00	207.74	227.74	45	Pump Cement @ 725 SKS
									Type I/II cement with 1.5% CaCl ₂ & 3.0% Bentonite @ 1.61 cuft/sk & 13.9 PPG
Displacement	12 Drop Plug	1/25/22	19:52			n/a			Shut down cementing operation & release top plug
	13 Initial Displacement	1/25/22	19:54	8.34	2.00	4.00	231.74	-	Send plug with 4.0 BBLs H ₂ O @ 2.0 BPM
	14 Plug Drop Verification	1/25/22	19:58			n/a			Visual verification plug released from head
	15 Displacement	1/25/22	20:00	8.34	5.00	91.73	319.47	80-450	Continued Displacement with total fresh water @ 118.73 BBLs H ₂ O
	16 Spacer To Surface	1/25/22	20:16	8.34	5.00	95.73	323.47	385	Identified Spacer, looking for Cement / green water
	17 Cement To Surface	1/25/22	20:19	8.34	5.00	105.73	333.47	390	Identify Cement to surface w/ 13 BBLs back
	18 Drop Rate	1/25/22	20:24	8.34	2.50	108.73	336.47	400	Drop rate to 2.5 BPM for last 10 BBLs of Displacement to land plug
Casing Test	21 Casing Test	1/25/22	20:26	n/a	0	0	0	1,620	Land Plug @ 1,620 PSI
									with final lift pressure @ 425 PSI
Casing Test	22 Casing Test	1/25/22	20:36	n/a	0	0	0	1,595	Start 30 min casing test w/ pressure @ 1,620 PSI
									10 min into casing test, pressure @ 1,595 PSI
									20 min into casing test, pressure @ 1,580 PSI
Casing Test	23 Casing Test	1/25/22	20:56	n/a	0	0	0	1,555	30 min into casing test, pressure @ 1,555 PSI
Post Job & Testing	24 Check Floats	1/25/22	20:57	n/a	0	0	0	1	BBLs back (.25-1BBL expected)
	25 End Job	1/25/22	20:59						Bleed off pressure, job complete
	26 Safety Meeting	1/25/22	21:01						Pre-rig down safety meeting, wash up equipment
	27 Rig Down	1/25/22	21:04						Rig down Cementer's Equipment, leave location

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Verdad Resources

Surface Casing Pressure Test - Cement Job Graph

COMPANY DETAILS

Date	1/25/22	API #	05-123-51204	Well No.	07H
County	Weld	State	CO	Lease	Timbro Fed 1931

Client Verdad Resources

Contact / email _____

JOB DETAILS

TIME ON	18:00	24 hr	Depth	1,592	ft.	Pressure Test @	1,620	psi
START TIME	18:52	1/25/22	Bottom of Surface	1,578	ft.	10 min	1,595	psi
END TIME	21:05	1/25/22	Plug Landed @	1,536	ft.	20 min	1,580	psi
			Plug Landed @	20:26	24 hr	30 min	1,555	psi

SUMMARY GRAPH

