

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	Cementor's FIELD TICKET #	334061-D
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Requested Operator Guidance:

Well Name & Number	Lease	Timbro	Well No.	0101 - 01H
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Well API Number	05-123-51084
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Job Date	12/8/21	Time on	2:00	24 hr time
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Job Type	New Well Surface
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Cementing Company	Cementor's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296
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Ambient conditions	clear	32	temp deg F
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Slurry Description	
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a) Purpose	Surface - 9 5/8" 36# CSG, 13 1/2" hole
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b) Cement Class	Type I / II
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c) Cement Yield	1.61	cuft / sk
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d) Cement Density	13.9	PPG
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e) Number of sks	806	sks (94# equiv)
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f) Mix Fluid Type	
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Water / Cement	8.5	Gal / sk
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g) Slurry mixed	231.1	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	316.8	BBLs H2O
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i) Displacement Fluid Vol	133.7	BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,768	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,729	feet (ft)
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n) Designed Top of Cement	n/a	to surface
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o) Centralizer depths	0	feet (ft)
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Charts - (pressure, density, pump rate)

Landed Plug @	1767	psi	Final Lift Pressure @	500	psi
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Cement Density (as weighed during job) @	13.9	PPG
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Job notes

a) Plug down	<input checked="" type="radio"/> Y / <input type="radio"/> N	Time	5:12	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N	12/8/21
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c) Full Returns	<input checked="" type="radio"/> Y / <input type="radio"/> N	Lost Circulation	<input checked="" type="radio"/> Y / <input type="radio"/> N
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d) Cement to surface	<input checked="" type="radio"/> Y / <input type="radio"/> N	18.0	BBLs to surface
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e) If no returns, top off	n/a	BBLs
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f) Top off detail	
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DATE: 12/8/21



Verdad Resources

Lease: Timbro
Well: 0101 - 01H
API# 05-123-51084

Date & Time On	12/8/21
	2:00

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	12/7/21	20:00						Verdad Resources Call out w/ 4 hr notice
	2 Leave Yard	12/8/21	1:15						Cementers leaves yard to travel to location
On Location: Pre-job	3 Arrive On Location	12/8/21	2:00						Arrive on location
	4 Spot Trucks	12/8/21	2:05						Spot trucks on location
	5 Rig Up	12/8/21	2:07						Rig up water & Cementer's Bulk Truck, prep pump and mixing operation
	6 Safety Meeting	12/8/21	2:12						Pre-job safety meeting with IKON12 rig crew, Verdad Company-person & Cementer's crew
	7 Rig Up	12/8/21	2:17						Rig up cement head w/plug
	8 Fill Lines	12/8/21	2:19	8.34	2.00				Fill lines with up to 5 bbls of fresh water
	9 Pressure Test	12/8/21	0:00	8.34	-			-	Pressure test pumps and lines
Initial Job Start	10 Pump Spacer	12/8/21	3:37	8.34	4.00	20	20	-	Pump dye fresh water @ 20 BBLs
Cementing	11 Pump Cement	12/8/21	3:42	13.90	4.00	231.06	251.06	45	Pump Cement @ 806 SKS
									Type I/II cement with 1.5% CaCl2 & 3.0% Bentonite @ 1.61 cuft/sk & 13.9 PPG 231.06 BBLs slurry
Displacement	12 Drop Plug	12/8/21	4:40			n/a			Shut down cementing operation & release top plug
	13 Initial Displacement	12/8/21	4:42	8.34	2.00	4.00	255.06	-	Send plug with 4.0 BBLs H2O @ 2.0 BPM
	14 Plug Drop Verification	12/8/21	4:42			n/a			Visual verification plug released from head
	15 Displacement	12/8/21	4:44	8.34	5.00	101.65	352.71	80-450	Continued Displacement with total fresh water @ 133.65 BBLs H2O
	16 Spacer To Surface	12/8/21	5:02	8.34	5.00	105.65	356.71	385	Identified Spacer, looking for Cement / green water
	17 Cement To Surface	12/8/21	5:05	8.34	5.00	115.65	366.71	390	Identify Cement to surface w/ 18 BBLs back
	18 Drop Rate	12/8/21	5:10	8.34	2.50	123.65	374.71	400	Drop rate to 2.5 BPM for last 10 BBLs of Displacement to land plug
Casing Test	19 Land Plug	12/8/21	5:12	8.34	2.50	133.65	384.71	1,767	Land Plug @ 1,767 PSI
									with final lift pressure @ 500 PSI
								1,767	Start 30 min casing test w/ pressure @ 1,767 PSI
								1,762	10 min into casing test, pressure @ 1,762 PSI
								1,751	20 min into casing test, pressure @ 1,751 PSI
Post Job & Testing	20 Check Floats	12/8/21	5:12	n/a	0	0	0	1,744	30 min into casing test, pressure @ 1,744 PSI
	21 End Job	12/8/21	5:45						BBLs back (.25-1BBL expected)
	22 Safety Meeting	12/8/21	5:47						Bleed off pressure, job complete
	27 Rig Down	12/8/21	5:50						Pre-rig down safety meeting, wash up equipment
									Rig down Cementer's Equipment, leave location

Cementer's Well Service, Inc.

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Verdad Resources

Surface Cement Job Graph

COMPANY DETAILS

Date	12/8/21	API #	05-123-51084	Well No.	0101 - 01H
County	Weld	State	CO	Lease	Timbro

Client Verdad Resources

Contact / email

JOB DETAILS

PRESSURE TEST

TIME ON	2:00	12/8/21	Depth	1,783	ft.	Plug Landed @	1,767	psi
START TIME	3:36	12/8/21	Bottom of Surface	1,768	ft.	10 min	1,762	psi
END TIME	5:47	12/8/21	Plug Landed @	1,729	ft.	20 min	1,751	psi
			Plug Landed @	5:12	24 hr	30 min	1,744	psi

SUMMARY GRAPH

