

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 #	334059-D
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Requested Operator Guidance:

Well Name & Number	Lease	Timbro	Well No.	0101 - 05H
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Well API Number	05-123-51087			
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Job Date	12/6/21	Time on	9:00	24 hr time
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Job Type	New Well Surface
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Cementing Company	Cementer's Well Service, Inc	Contact	Nate Kvamme - 303-324-4296
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Ambient conditions	overcast	28	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	774	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	221.8	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	304.5	BBLs H2O
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i) Displacement Fluid Vol	127.9	BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,693	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,654	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 @	1703	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	14:15	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N		12/6/21
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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	28.0	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: 12/6/21



Verdad Resources

Lease: Timbro
Well: 0101 - 05H
API# 05-123-51087

Date & Time On	12/6/21 9:00
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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	12/6/21	4:45						Verdad Resources Call out w/ 4 hr notice
	2 Leave Yard	12/6/21	8:15						Cementer's leaves yard to travel to location
On Location: Pre-job	3 Arrive On Location	12/6/21	9:00						Arrive on location
	4 Spot Trucks	12/6/21	9:05						Spot trucks on location
	5 Rig Up	12/6/21	9:07						Rig up water & Cementer's Bulk Truck, prep pump and mixing operation
	6 Safety Meeting	12/6/21	9:12						Pre-job safety meeting with IKON12 rig crew, Verdad Company-person & Cementer's crew
	7 Rig Up	12/6/21	9:17						Rig up cement head w/plug
	8 Fill Lines	12/6/21	9:19	8.34	2.00				Fill lines with up to 5 bbls of fresh water
Initial Job Start	9 Pressure Test	12/6/21	0:00	8.34	-			-	Pressure test pumps and lines
	10 Pump Spacer	12/6/21	12:48	8.34	4.00	20	20	-	Pump dye fresh water @ 20 BBLs
Cementing	11 Pump Cement	12/6/21	12:53	13.90	4.00	221.77	241.77	45	Pump Cement @ 774 SKS
									Type I/II cement with 1.5% CaCl ₂ & 3.0% Bentonite @ 1.61 cuft/sk & 13.9 PPG
Displacement	12 Drop Plug	12/6/21	13:45			n/a			Shut down cementing operation & release top plug
	13 Initial Displacement	12/6/21	13:47	8.34	2.00	4.00	245.77	-	Send plug with 4.0 BBLs H ₂ O @ 2.0 BPM
	14 Plug Drop Verification	12/6/21	13:47			n/a			Visual verification plug released from head
	15 Displacement	12/6/21	13:49	8.34	5.00	85.85	327.63	80-450	Continued Displacement with total fresh water @ 127.85 BBLs H ₂ O
	16 Spacer To Surface	12/6/21	14:05	8.34	5.00	89.85	331.63	385	Identified Spacer, looking for Cement / green water
	17 Cement To Surface	12/6/21	14:08	8.34	5.00	99.85	341.63	390	Identify Cement to surface w/ 28 BBLs back
	18 Drop Rate	12/6/21	14:13	8.34	2.50	117.85	359.63	400	Drop rate to 2.5 BPM for last 10 BBLs of Displacement to land plug
19 Land Plug	12/6/21	14:15	8.34	2.50	127.85	369.63	1,703	Land Plug @ 1,703 PSI	
								with final lift pressure @ 500 PSI	
Casing Test	Casing Test	12/6/21	14:15	n/a	0	0	0	1,703	Start 30 min casing test w/ pressure @ 1,703 PSI
		12/6/21	14:25	n/a	0	0	0	1,717	10 min into casing test, pressure @ 1,717 PSI
		12/6/21	14:35	n/a	0	0	0	1,701	20 min into casing test, pressure @ 1,701 PSI
		12/6/21	14:45	n/a	0	0	0	1,699	30 min into casing test, pressure @ 1,699 PSI
Post Job & Testing	24 Check Floats	12/6/21	14:46	n/a	0	0	0	1	BBLs back (.25-1BBL expected)
	25 End Job	12/6/21	14:48						Bleed off pressure, job complete
	26 Safety Meeting	12/6/21	14:50						Pre-rig down safety meeting, wash up equipment
	27 Rig Down	12/6/21	14:53						Rig down Cementer's Equipment, leave location

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Verdad Resources

Surface Cement Job Graph

COMPANY DETAILS

Date	12/6/21	API #	05-123-51087	Well No.	0101 - 05H
County	Weld	State	CO	Lease	Timbro

Client Verdad Resources

Contact / email

JOB DETAILS

PRESSURE TEST

TIME ON	9:00	12/6/21	Depth	1,707	ft.	Plug Landed @	1,703	psi
START TIME	12:37	12/6/21	Bottom of Surface	1,693	ft.	10 min	1,717	psi
END TIME	14:52	12/6/21	Plug Landed @	1,654	ft.	20 min	1,701	psi
			Plug Landed @	14:15	24 hr	30 min	1,699	psi

SUMMARY GRAPH

