

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 #	334182-D
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Requested Operator Guidance:

Well Name & Number	Lease	Fawn 2833	Well No.	04H
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Well API Number	05-123-51848
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Job Date	12/10/22	Time on	15:30	12/10/22	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	clear	42	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	1,036	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	296.9	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	407.3	BBLs H2O
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i) Displacement Fluid Vol	177.6	BBLs H2O
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j) Method of Placement	
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k) Set Depth	2,340	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	2,298	feet (ft)
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n) Designed Top of Cement	n/a	to surface
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o) Centralizer depths	#REF!	feet (ft)
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Charts - (pressure, density, pump rate)

Landed Plug @	1,720	psi	Final Lift Pressure @	490	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	19:10	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N		12/10/22
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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	35.0	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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g) Additional Detail	0
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Surface Cement Job Report - Cementer's Well Service, Inc.

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DATE: 12/10/22



Verdad Resources

Lease: Fawn 2833

Well: 04H

API# 05-123-51848

Date & Time On	12/10/22 15:30
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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	12/10/22	12:00						Verdad Resources call out w/ 4 hr notice
	2 Leave Yard	12/10/22	14:30						Cementer's leaves yard to travel to location
On Location: Pre-job	3 Arrive On Location	12/10/22	15:30						Arrive on location
	4 Spot Trucks	12/10/22	15:35						Spot trucks on location
	5 Rig Up	12/10/22	15:37						Rig up water & Cementer's Bulk Truck, prep pump and mixing operation
	6 Safety Meeting	12/10/22	15:42						Pre-job safety meeting with lkon12 rig crew, Verdad company man & Cementer's crew
	7 Rig Up	12/10/22	15:47						Rig up cement head w/plug
	8 Fill Lines	12/10/22	15:49	8.34	2.00				Fill lines with up to 5 bbls of fresh water
Initial Job Start	9 Pressure Test	12/10/22	15:49	8.34	-			2,000	Pressure test pumps and lines
	10 Pump Spacer	12/10/22	17:06	8.34	4.00	20	20	-	Pump dye fresh water @ 20 BBLs
Cementing	11 Pump Cement	12/10/22	17:11	13.90	4.00	296.94	316.94	45	Pump Cement @ 1,036 SKS
									Type I/II cement with 1.5% CaCl2 & 3.0% Bentonite @ 1.61 cuft/sk & 13.9 PPG
Displacement	12 Drop Plug	12/10/22	18:26			n/a			Shut down cementing operation & release top plug
	13 Initial Displacement	12/10/22	18:28	8.34	2.00	4.00	320.94	-	Send plug with 4.0 BBLs H2O @ 2.0 BPM
	14 Plug Drop Verification	12/10/22	18:32			n/a			Visual verification plug released from head
	15 Displacement	12/10/22	18:34	8.34	5.00	128.64	445.58	80-450	Continued Displacement with total fresh water @ 177.64 BBLs H2O
	16 Spacer To Surface	12/10/22	18:56	8.34	5.00	132.64	449.58	450	Identified Spacer, looking for Cement / green water
	17 Cement To Surface	12/10/22	19:05	8.34	5.00	142.64	459.58	470	Identify Cement to surface w/ 35 BBLs back
	18 Drop Rate	12/10/22	19:07	8.34	2.50	167.64	484.58	490	Drop rate to 2.5 BPM for last 10 BBLs of Displacement to land plug
19 Land Plug	12/10/22	19:10	8.34	2.50	177.64	494.58	1,720	Land Plug @ 1,720 PSI	
								with final lift pressure @ 490 PSI	
Casing Test	20	12/10/22	19:10	n/a				1,720	Start 30 min casing test w/ pressure @ 1,720 PSI
	21							1,736	10 min into casing test, pressure @ 1,736 PSI
	22							1,729	20 min into casing test, pressure @ 1,729 PSI
	23							1,725	30 min into casing test, pressure @ 1,725 PSI
Post Job & Testing	24 Check Floats	12/10/22	19:41	n/a				1	BBLs back (.25-1BBL expected)
	25 End Job	12/10/22	19:43						Bleed off pressure, job complete
	26 Safety Meeting	12/10/22	19:45						Pre-rig down safety meeting, wash up equipment
	27 Rig Down	12/10/22	19:48						Rig down Cementer's Equipment, leave location

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Verdad Resources

Surface Casing Pressure Test - Cement Job Graph

COMPANY DETAILS

Date	12/10/22	API #	05-123-51848	Well No.	04H
County	Weld	State	CO	Lease	Fawn 2833

Client Verdad Resources

Contact / email _____

JOB DETAILS

TIME ON	15:30	#####	Depth	2,354	ft.	Pressure Test @	1,720	psi
START TIME	17:05	#####	Bottom of Surface	2,340	ft.	10 min	1,736	psi
END TIME	19:45	#####	Plug Landed @	2,298	ft.	20 min	1,729	psi
			Plug Landed @	19:10	24 hr	30 min	1,725	psi

SUMMARY GRAPH

