

Cementer's Well Service, Inc.

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



CLIENT

Verdad Resources

FIELD TICKET # 334014-D

API# 05-123-48990

Date	7/31/21	Well Owner	Verdad Resources	Well No.	13H
County	Weld	State	CO	Lease	Sonic Star 1101

Client	Verdad Resources				
Address	5950 Cedar Springs			IKON 12	
City	Dallas	TX	Zip	75235	

Type of Job		Depth	1,937 ft.	Time On	10:15	7/31/21
Surface: 9 5/8" csg 36#; 13 1/2" hole		Bottom of Surface	1,927 ft.	Plug Down	12:38	7/31/21
		Plug Landed @	1,885 ft.	Other:		
		Pipe Landed @	1,927 ft.			

Description	Quantity	Meas.	Unit Price	Amount
Set Up Charge	1	each	\$ 2,200.00	\$ 2,200.00
Data Acquisition System	1	each	\$ 150.00	\$ 150.00
Cement Neat	880	SKS	\$ 14.90	\$ 13,107.98
Calcium Chloride	1.5	%		
Gel	3.0	%		
Mileage Heavy Vehicle	306	Miles	\$ 3.70	\$ 1,132.20
Mileage Pick-Up	102	Miles	\$ 2.00	\$ 204.00
Pressure Test	1	each	\$ 400.00	\$ 400.00
Standby Time	0	hr	\$ 375.00	\$ -
Mixing Rate	4.0	BPM		
Disp. Rate	5.0	BPM		
Slurry Vol.	1.61	cu ft ³ / SK		
Slurry Wt.	13.9	PPG		
Water/Cement	8.5	Gals / SK		
Total Water Used on Job	343.8	BBLs H ² O		Water Temp
Total Slurry Vol.	252.3	BBLs Cement		
Landed Plug @	1,575	PSI w/ Final Lift @	450 PSI	Subtotal \$ 17,194.18
Pre-Flush W/	20	BBLs fresh water		Tax (CO 2.9%) \$ 498.63
Displace W/	145.71	BBLs H ² O		
Circulate	11	BBLs Cement		Total \$ 17,692.81

Truck No.	Code	State Mileage	Nebraska	CO	Wyoming	Other	Total Mileage
1204		Pump Truck		102			
1217, 1216, 1234		Bulk Truck		306			

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By: Tony/Elvis/AJ/Ryan/Clint/Nate

Received By _____
Customer or His Agent

Additional Job Detail:

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



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

CLIENT: Great Western Operating	Cementer's FIELD TICKET #	334014-D
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Requested Operator Guidance:

Well Name & Number	Lease	Sonic Star 1101	Well No.	13H
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Well API Number	05-123-48990
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Job Date	7/31/21	Time on	10:15	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 / rain / snow / other	71	temp deg F
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Slurry Description	
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a) Purpose	Surface - 9 5/8" 40# 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	880	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	252.3	BBLs slurry
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h) Additives used	1.50% CaCl2	3.00% Bentonite
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Total Water Used	343.8	BBLs H2O
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i) Displacement Fluid Vol	145.7	BBLs H2O
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j) Method of Placement	
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k) Set Depth	1,927	feet (ft)
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l) Stage tool depth	n/a
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m) Float Collar Depth	1,885	feet (ft)
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n) Designed Top of Cement	n/a	to surface	feet (ft)
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o) Centralizer depths	0
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Charts - (pressure, density, pump rate)

Landed Plug @	1575	psi	Final Lift Pressure @	450	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	12:38	24 hr time
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b) Floats held	<input checked="" type="radio"/> Y / <input type="radio"/> N		7/31/21
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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	11.0	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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Surface Cement Job Report - Cementer's Well Service, Inc.

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DATE: DATE: 7/31/21



Verdad Resources

Lease: Sonic Star 1101

Well: 13H

API# 05-123-48990

Date & Time On 7/31/21 10:15

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	7/31/21	6:30						Verdad Resources call out w/ 4 hr notice
	2 Leave Yard	7/30/21	9:15						Cementer's leaves yard to travel to location
On Location: Pre-job	3 Arrive On Location	7/30/21	10:15						Arrive on location
	4 Spot Trucks	7/30/21	10:20						Spot trucks on location
	5 Rig Up	7/30/21	10:22						Rig up water & Cementer's Bulk Truck, prep pump and mixing operation
	6 Safety Meeting	7/30/21	10:27						Pre-job safety meeting with IKON12 rig crew, Verdad company man & Cementer's crew
	7 Rig Up	7/30/21	10:32						Rig up cement head w/plug
	8 Fill Lines	7/30/21	10:34	8.34	2.00				Fill lines with up to 5 bbls of fresh water
Initial Job Start	9 Pressure Test	7/30/21	0:00	8.34	-			-	Pressure test pumps and lines
	10 Pump Spacer	7/30/21	11:05	8.34	4.00	20	20	-	Pump dye fresh water @ 20 BBLs
Cementing	11 Pump Cement	7/30/21	11:10	13.90	4.00	252.25	272.25	45	Pump Cement @ 880 SKS
									Type I/II cement with 1.5% CaCl ₂ & 3.0% Bentonite @ 1.61 cuft/sk & 13.9 PPG
Displacement	12 Drop Plug	7/30/21	12:07			n/a			Shut down cementing operation & release top plug
	13 Initial Displacement	7/30/21	12:09	8.34	2.00	4.00	276.25	-	Send plug with 4.0 BBLs H ₂ O @ 2.0 BPM
	14 Plug Drop Verification	7/30/21	12:13			n/a			Visual verification plug released from head
	15 Displacement	7/30/21	12:15	8.34	5.00	120.71	392.97	80-450	Continued Displacement with total fresh water @ 145.7 BBLs H ₂ O
	16 Spacer To Surface	7/30/21	12:28	8.34	5.00	124.71	396.97	385	Identified Spacer, looking for Cement / green water
	17 Cement To Surface	7/30/21	12:31	8.34	5.00	134.71	406.97	390	Identify Cement to surface w/ 11 BBLs back
	18 Drop Rate	7/30/21	12:36	8.34	2.50	135.71	407.97	400	Drop rate to 2.5 BPM for last 10 BBLs of Displacement to land plug
Casing Test	19 Land Plug	7/30/21	12:38	8.34	2.50	145.71	417.97	1,575	Land Plug @ 1,575 PSI
									with final lift pressure @ 450 PSI
Casing Test	20 Casing Test	7/30/21	12:38	n/a	0	0	0	1,575	Start 30 min casing test w/ pressure @ 1,575 PSI
			12:48	n/a	0	0	0	1,575	10 min into casing test, pressure @ 1,575 PSI
			12:58	n/a	0	0	0	1,561	20 min into casing test, pressure @ 1,561 PSI
			13:08	n/a	0	0	0	1,550	30 min into casing test, pressure @ 1,550 PSI
Post Job & Testing	24 Check Floats	7/30/21	13:09	n/a	0	0	0	0.50	BBLs back (.25-1BBL expected)
	25 End Job	7/30/21	13:11						Bleed off pressure, job complete
	26 Safety Meeting	7/30/21	13:13						Pre-rig down safety meeting, wash up equipment
	27 Rig Down	7/30/21	13:16						Rig down Cementer's Equipment, leave location

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Verdad Resources

Surface Cement Job Graph

COMPANY DETAILS

Date	7/31/21	API #	05-123-48990	Well No.	13H
County	Weld	State	CO	Lease	Sonic Star 1101

Client Verdad Resources

Contact / email

JOB DETAILS

TIME ON	10:15	24 hr	Depth	1,937	ft.	Pressure Test @	1,575	psi
START TIME	11:04	7/31/21	Bottom of Surface	1,927	ft.	10 min	1,575	psi
END TIME	13:13	7/31/21	Plug Landed @	1,885	ft.	20 min	1,561	psi
			Plug Landed @	12:38	24 hr	30 min	1,550	psi

SUMMARY GRAPH

