



## Post Job Report

4/4/2022

### Bison Oil & Gas III

518 17th Street Suit 1800  
Denver , Colorado

Well Name and Information:

Zimith 1

SWNW Sec 14 T:9N R:58W

Weld , Colorado

API: 05-123-05659

Ticket # : 3612

### Casing in Casing

Prepared For: Garry Chandler

Prepared by:

August Bagner

Supervisor

Phone: 307-436-7118

RockHardCementing.com

# Post Job Log



Service Date:	4/4/2022	Well Name:	Zimith
Customer:	Bison Oil & Gas III	Well Number:	1
Address:	518 17th Street Suit 1800	County:	Weld
City:	Denver	State:	Colorado
State:	Colorado	API Number:	05-123-05659
Customer Rep:	Garry Chandler	Legals:	SWNW Sec 14 T:9N R:58W
Supervisor:	August Bagner	Ticket Number:	3612
Job Type:	Casing in Casing		

## Casing Data

Description:	Size (in)	Weight (lb/ft)	Grade	Max PSI	TVD (ft)	MD (ft)	Tools:	MD (ft)
Casing Data	5 1/2	15.5	J-55	1000		339.35		
Tubing								
Casing Data	10 3/4	32.75	J-55		44			
Perfs for the surface plug								
Drill Pipe								

## Fluid & Cement Data

Description With/Without Additives	Sacks	Volume (bbls)	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water (gal/sk)	Returned to Surface (bbl)	Depth (ft)
Class G with 3% Cacl	210	43	15.8	1.15	5	7	339.35

## Plug Data

Type of Cement	Tools in Hole	Tool Depth in Hole	Height of Plug	Bottom of Plug	Top of Plug

## Squeeze Data

Type of Cement	Tools in Hole	Tool Depth in Hole	Sacks in Formation	Sacks Below Tool	Sacks on top of tool

# CEMENT MIX WATER REQUIREMENTS

Item	Test Value	Max Acceptable Limit	Potential Problems in Exceeding Limit
pH	7.5	6 to 8	Chemicals in water can cause severe retardation
Chlorides <sup>1,2</sup>	1000	3000 mg/L	Can accelerate the set time on cement
Sulfates	200	1500 mg/L	Will greatly decrease the strength of cement
Alkalinity	50	1000 ppm	Qualitative Measure of Carbonate & Bicarbonate
Water Temp	60	50F to 80F	High temps will accelerate; Low temps may risk freezing in cold weather

**NOTES:**

1. High concentrations of Carbonates and Bicarbonates may also cause slurry gelation in some situations.
2. If the water's pH is greater than or equal to 8, avoid using it since Magnesium may be present (there are no field test strips for Magnesium).

