



## Post Job Report

4/6/2022

# Bison Oil and Gas III

518 17th St Suite 1800

Denver , Colorado

### Well Name and Information:

Zimith #1

SWNW Sec 14 T:9N R:58W

Weld , CO

API: 05-123-05659

Ticket # : 3605

## P&A

Prepared For:

Gary Chandler/ Mike Griffin

Prepared by:

Nate Lambson

Supervisor

Phone: 307-436-7118

RockHardCementing.com

## Post Job Log



Service Date:	4/6/2022	Well Name:	Zimith
Customer:	Bison Oil and Gas III	Well Number:	#1
Address:	518 17th St Suite 1800	County:	Weld
City:	Denver	State:	CO
State:	Colorado	API Number:	05-123-05659
Customer Rep:	Gary Chandler/ Mike Griffin	Legals:	SWNW Sec 14 T:9N R:58W
Supervisor:	Nate Lambson	Ticket Number:	3605
Job Type:	P&A		

### Casing Data

Description:	Size (in)	Weight (lb/ft)	Grade	Max PSI	TVD (ft)	MD (ft)	Tools:	MD (ft)
Casing Data	5.5"	15.5#			350			
Tubing	2 7/8	6.5						
Casing Data	10 3/4	32.75			313			
Perfs for the surface plug								

### 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)
G Neat	225	46	15.8	1.15	5	0	5543
G w 2%CC	115	23.5	15.8	1.15	5	0	1715
G w 2%CC	293	60	15.8	1.15	5	10	517

### 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	Top Perf-Bottom Perf	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	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	500	1500 mg/L	Will greatly decrease the strength of cement
Alkalinity	0	1000 ppm	Qualitative Measure of Carbonate & Bicarbonate
Water Temp	70	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).

[illegible]

[illegible]

Time	Rate (BPM)	Pressure (PSI)	Volume Pumped (BBLS)	Fluid Type	Additional Comments	
					4/7/2022	
2:50					Rig up to tubing	
3:12					start Job	
3:15					prime lines and pressure test to	
3:21	3	120	20	Fresh Water	Pump 20 bbl water spacer	
3:29	3	450	55	15.8 Cmt	Pump 55 bbbs cmt got back 10 bbbs cmt to surface	
3:49	2.5	200	0.5	Fresh Water	Pump 1/2 bbl of fresh to clear lines	
3:50					shut down	
3:52					end job	
					leaving 115 sks for top out job after they rig down	
					wait on rig to nipple down BOP	
					to do top out JOB	
					TOP OUT JOB	
6:02					Start Job	
6:05					Pump 3 bbbs of cement to top off	
					used 25 sks have 90 sks left in trailer	
6:18					shut down end Job	
Bumped Plug	Final Lift PSI	Floats Held	Lost Circulation	Wait on Cement	RHC Supervisor	