



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:	Weid
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 ³ /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 ^{1,2}	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).

