



Water Quality Field Data Sheet

Sample Date 7/16/2024
 Sampler(s) EF

Operator Occidental Petroleum Corporation (OXY) **O&G Well / Project Name** GWA_Buffalo_Ridge_Water_Well

Sample Reason Voluntary Post-Drill

Sample Name Martin 47218-F **Permit** 47218-F **Receipt** 0404761C **Facility ID** 753954

QQ NWSW **Sec** 12 **TwN** 1N **Rng** 66W **County** Weld **State** CO **Use** Commercial, Municipal

DWR Permitted UTMS: **UTM E** 522800.9 **UTM N** 4434738.6 **Z13** **Field Measured Elevation (ft)** 5094

Field Verified Location: **UTM E** 522797.94 **UTM N** 4434713.84 **Z13 Lat** 40.062369 **Long** -104.7326761 **NAD 83**

Approximate Distance to the Oil & Gas well pad 0.79 mi **ECMC Location ID** 440557

Owner Information

Landowner: Buffalo Ridge Homeowners Association PO Box 558
Mailing Address: Fort Lupton, CO 80621-0558
Physical Address: Buffalo Ridge Estates
Individuals Present During Sampling: Mike Desanti

Phone:
Cell:

Well Information

Well Depth (ft) 1086 **Water Level (ft)** 571 **Surface Casing Diameter (in)** 16 **Drop Pipe Diameter (in)** 2.375

Pump Type Submersible **Pump Manufacturer** Goulds **HP** 25 **Phase** Unk **Pump Intake (ft)** 970

Well House No **Vault** No **Pitless** Yes **Surf. Discharge Pipe** No **Confined Space** No **Access for WL** Yes

Well Seal Yes **Type/Manufacturer** Monitor **Vented** Yes **Gas Flow from Vent** No

Storage Tank Yes **Storage Tank Volume (gal)** 60000 **Pressure Tank** No **Pressure Tank Volume (gal)** -

Ground Slope Near Well? No **Area Desc/Proximity** North of the pumphouse

Condition of well Good

Initial LEL% 0 **x0.05= CH4** 0 **Post-Sample LEL%** 0 **x0.05= CH4** 0 **Gas Reading Location** Wellhead

Water Use Daily Domestic **Treatment** Chlorine **Used for drinking?** Yes

Sample Information

Clock Time	Elapsed Time	Rate (calc)	Flow (gal/sec)	Temp (°C)	pH	Sp. Con. (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity	Color	Odor	Sediment	Bubbles / Effervescence	LEL (%)	
Pre-Purge Reading															
9:20	0:00	-	1	18.5	7.86	1168	-68.2	0.89	0.02	Yellow	None	Magnetic black flakes, sand	Bubbles / Effervescence	0	
Post-Purge Readings															
9:30	0:10	0.34	1	176	24.5	8.76	1016	-54.4	0.23	0.02	Clear	None	Magnetic black flakes, sand	Bubbles / Effervescence	0
9:33	0:13	0.34	1	176	24.5	8.68	1047	-63.2	0.17	0.02	Clear	None	Magnetic black flakes, sand	Bubbles / Effervescence	0
9:36	0:16	0.34	1	176	24.6	8.66	1058	-82.3	0.10	0.02	Clear	None	Magnetic black flakes, sand	Bubbles / Effervescence	0
9:39	0:19	0.34	1	176	24.6	8.68	1073	-84.6	0.08	0.02	Clear	None	Magnetic black flakes, sand	Bubbles / Effervescence	0
9:42	0:22	0.34	1	176	24.7	8.66	1084	-40.3	0.18	0.02	Clear	None	Magnetic black flakes, sand	Bubbles / Effervescence	0

Sample Location Spigot in pumphouse **Tanks Bypassed?** Yes **Flow Cell Used?** No **Avg Flow Cell Rate (gpm)** 0.34

Initial Purge Volume (g) 890 **Purged with Flow Cell (g)** 5 **Total Volume Purged (g)** 895 **Sampling Flow Rate (gpm)** 60

Sample/Visit Time 9:42 **Weather** 75°F, Sunny **Field Conditions** Dry

