



Water Quality Field Data Sheet

Sample Date 4/21/2025

Sampler(s) AI

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

Sample Reason Voluntary Baseline

Sample Name Brugger_203928 Permit 203928 Receipt 0413853B Facility ID 705753

QQ SENW Sec 12 Twn 2N Rng 67W County Weld State CO Use Domestic

DWR Permitted UTMS: UTM E 513328.3 UTM N 4444689.5 Z13 Field Measured Elevation (ft) 4860

Field Verified Location: UTM E 513315 UTM N 4444714 Z13 Lat 40.1527 Long -104.84373 NAD 83

Approximate Distance to the Oil & Gas well pad 2.1 mi ECMC Location ID 490250

Owner Information

Landowner:	Mailing Address:	Physical Address:	Individuals Present During Sampling
Charles Brugger	11223 County Road 22 1/2	11223 County Road 22 1/2	None
Phone: 303-818-5434	Fort Lupton, CO 80621-9640	Fort Lupton, CO 80621	
Cell:	Alt Contact:		

Well Information

Well Depth (ft) 460 Water Level (ft) 110 Surface Casing Diameter (in) 4 Drop Pipe Diameter (in) 1.25

Pump Type Submersible Pump Manufacturer Goulds HP 3 Phase 0 Pump Intake (ft) 340

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

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

Storage Tank No Storage Tank Volume (gal) - Pressure Tank Yes Pressure Tank Volume (gal) 125

Ground Slope Near Well? No Area Desc/Proximity 30 ft E of house, behind fence

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 Charcoal/Sand 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 (%)
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Pre-Purge Reading															
8:30	0:00	4.00	1	15	19.9	9.00	1105	86.2	1.83	3.61	Clear	None	None	Bubbles / Effervescence	0

Post-Purge Readings															
10:19	1:49	0.34	1	176	16.0	8.95	1076	-145.6	1.02	3.58	Clear	None	None	Bubbles / Effervescence	0
10:22	1:52	0.34	1	176	16.5	8.97	1077	-170.9	0.23	1.04	Clear	None	None	Bubbles / Effervescence	0
10:25	1:55	0.34	1	176	16.5	8.96	1078	-185.9	0.13	0.02	Clear	None	None	Bubbles / Effervescence	0
10:28	1:58	0.34	1	176	16.5	8.96	1079	-196.9	0.12	0.02	Clear	None	None	Bubbles / Effervescence	0
10:31	2:01	0.34	1	176	16.5	8.97	1079	-203.1	0.11	0.02	Clear	None	None	Bubbles / Effervescence	0

Sample Location Spigot off pumphouse Tanks Bypassed? Yes Flow Cell Used? Yes Avg Flow Cell Rate (gpm) 0.34

Initial Purge Volume (g) 235 Purged with Flow Cell (g) 10 Total Volume Purged (g) 245 Sampling Flow Rate (gpm) 0.5

Sample/Visit Time 10:31 Weather Sunny 55°F Field Conditions Dry

