



Water Quality Field Data Sheet

Sample Date

12/16/2021

Sampler(s)

JB

Operator Occidental Petroleum Corporation (OXY) O&G Well / Project Name GWA - Beierle 26-3HZ

Sample Reason Voluntary Post Drill

Sample Name Knodel 68206 Permit 68206 Receipt 9065126 Facility ID 757471

QQ SESE Sec 26 Twn 1N Rng 66W County Weld State CO Use Household use only

DWR Permitted UTMS: UTM E 522423.2 UTM N 4429589 Z13 Field Measured Elevation (ft) 5093

Field Verified Location: UTM E 522601.8 UTM N 4429537.9 Z13 Lat 40.01574094 Long -104.7351563 NAD 83

Approximate Distance to the Oil & Gas well pad 0.9 mi O&G API Number 05-123-40856

Owner Information

Landowner: Mailing Address: Physical Address: Individuals Present During Sampling
Ronald and Rhonda Knodel 16911 County Road 4 16911 County Road 4 Mrs. Knodel
Phone: 303-659-0978 Brighton, CO 80603-9738 Brighton, CO 80603
Cell: Alt Contact:

Well Information

Well Depth (ft) 140 Water Level (ft) 60 Surface Casing Diameter (in) 6.625 Drop Pipe Diameter (in) Unk
Pump Type Submersible Pump Manufacturer Berkeley HP 0.75 Phase Unk Pump Intake (ft) 125
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 No Storage Tank Volume (gal) - Pressure Tank Yes Pressure Tank Volume (gal) Unk
Ground Slope Near Well? No Area Desc/Proximity North of white barn ~50ft under blue tub
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 No Used for drinking? Yes

Sample Information

Clock Time	Elapsed Time	Flow 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

9:16	0:00	4.00	1	15	10.1	8.63	679	151.0	2.51	0.02	Clear	None	Few detritus	Effervescence	0
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Post-Purge Readings

10:05	0:49	0.30	1	200	13.10	8.37	671.30	110.0	0.28	0.02	Clear	None	None	None	0
10:08	0:52	0.30	1	200	12.88	8.39	671.47	107.8	0.26	0.02	Clear	None	None	None	0
10:11	0:55	0.30	1	200	12.89	8.41	672.93	98.9	0.21	0.02	Clear	None	None	None	0
10:14	0:58	0.30	1	200	12.92	8.42	672.56	101.8	0.20	0.02	Clear	None	None	None	0
10:17	1:01	0.30	1	200	12.91	8.43	672.31	103.7	0.18	0.02	Clear	None	None	None	0

Sample Location Red spigot west side of white barn Tanks Bypassed? No Flow Cell Used? Yes Avg Flow Cell Rate (gpm) 0.30

Initial Purge Volume (g) 120 Purged with Flow Cell (g) 3 Total Volume Purged (g) 123 Sampling Flow Rate (gpm) 0.5

Sample/Visit Time 10:17 Weather 36°F Sunny Field Conditions Dry

Calibration Log

Multi-meter - Select Meter Used ☒ In-Situ Smartroll ☐ YSI Pro Plus

Time	Cal	Post	pH (std units)				SC (µmhos/cm2 @ 25°C)			D.O. 100%	Temp (°C)	ORP Cal Value	ORP reading mV	Comments
			4.00	7.00	9.00	10.00	447	1413	8974					
7:52	X		3.97	7.06	-	10.08	446.48	1413.4	8677.6	90.95	13.51	227	227	
11:30		X	3.95	7.03	8.99	10	444.37	1411.8	9205.6	93.86	11.26	-	230	

Turbidimeter - Geotech Portable Turbidity Meter

Time	Cal	Post	Turbidity (NTU)				Comments
			<1	20.0	100	800	
7:52	X		0.02	17.7	99.3	784	
11:30		X	0.02	18.9	100	789	