



Wellhead Closure Checklist 2

Project	Occidental Petroleum
ID	399960
Survey Date	10/25/2023
User	Chris Bodie
Additional Attachments (Optional)	Flowline Closure
Site Name	Freauff 33-4A
Remediation Project #	25138

Wellhead Information

Weather	50°F cloudy
Client	Oxy
Location	
Latitude	40.25304
Longitude	-104.89292
General Condition of Site	Good
USCS Soil Type	<i>Sandy Clay Loam / Sndy Clay Lm</i>
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	None observed
Salt Crusted Soils or Impacted Vegetation	None observed

Soil Samples

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Direction	Equipment Name	Other Equipment Type
R1	10/25/2023	02:30 PM	FL-B01@4'	0.6	N.S		N.O			Flowline at Separator	
R2	10/25/2023	02:32 PM	FL-B02@4'	0.3	N.S		N.O			Flowline	
R3	10/25/2023	02:34 PM	FL-B03@4'	0.2	N.S		N.O			Flowline Directional Change	
R4	10/25/2023	02:36 PM	FL-B04@4'	0.5	N.S		N.O			Flowline	
R5	10/25/2023	02:38 PM	FL-B05@4'	0.3	N.S		N.O			Flowline	
R6	10/25/2023	02:40 PM	FL-B06@4'	0.6	N.S		N.O			Flowline	
R7	10/25/2023	02:42 PM	FL-B07@4'	0.2	N.S		N.O			Flowline	
R8	10/25/2023	02:44 PM	FL-B08@4'	0.2	N.S		N.O			Flowline	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Direction	Equipment Name	Other Equipment Type
R9	10/25/2023	02:46 PM	FL-B09@4'	0.3	N.S		N.O			Flowline	
R10	10/25/2023	02:48 PM	FL-B10@4'	0.4	N.S		N.O			Flowline	
R11	10/26/2023	01:53 PM	FL-B11@4'	0.2	N.S		N.O			Flowline	
R12	10/26/2023	01:55 PM	FL-B12@4'	0.1	N.S		N.O			Flowline	
R13	10/26/2023	01:57 PM	FL-B13@4'	0.8	N.S		N.O			Flowline	
R14	12/15/2023	09:35 AM	FL-B14@4'	0.8	N.S		N.O			Flowline	
R15	12/15/2023	09:50 AM	FL-B15@4'	0.6	N.S		N.O			Flowline	
R16	12/15/2023	10:00 AM	FL-B16@4'	1.0	N.S		N.O			Flowline	
R17	12/15/2023	10:15 AM	FL-B17@4'	0.9	N.S		N.O			Flowline	
R18	12/15/2023	10:30 AM	FL-B18@4'	0.8	N.S		N.O			Flowline	
R19	12/15/2023	10:50 AM	FL-B19@4'	1.0	N.S		N.O			Flowline Directional Change	
R20	08/06/2024	11:18 AM	FL-B19-01@4'	0.0	N.S		N.O		Facing west	Flowline Directional Change	
R21	08/06/2024	11:20 AM	FL-B20@4'	0.7	N.S		N.O		Facing west	Flowline at Separator	
R22	08/06/2024	11:22 AM	FL-BG01@3'	0.9	N.S		N.O		Facing west	Other	Flowline background
R23	08/06/2024	11:24 AM	FL-BG01@5'	1.4	N.S		N.O			Other	Flowline background
R24	08/06/2024	11:26 AM	FL-BG02@3'	1.7	N.S		N.O		Facing west	Other	Flowline background
R25	08/06/2024	11:28 AM	FL-BG02@5'	1.5	N.S		N.O			Other	Flowline background
R26	08/06/2024	11:30 AM	FL-BG03@3'	1.7	N.S		N.O		Facing west	Other	Flowline background
R27	08/06/2024	11:32 AM	FL-BG03@5'	1.4	N.S		N.O			Other	Flowline background
R28	08/08/2024	11:00 AM	FL-B20-01@4'	0.8	N.S		N.O			Flowline at Wellhead	
R29	11/15/2024	10:30 AM	FL-BG04@3'	0.3	N.S		N.O			Other	Flowline background
R30	11/15/2024	10:45 AM	FL-BG04@5'	0.1	N.S		N.O			Other	Flowline background

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Direction	Equipment Name	Other Equipment Type
R31	11/15/2024	11:00 AM	FL-BG05@3'	0.3	N.S		N.O			Other	Flowline background
R32	11/15/2024	11:15 AM	FL-BG05@5'	0.4	N.S		N.O			Other	Flowline background
R33	11/15/2024	11:30 AM	FL-BG06@3'	0.1	N.S		N.O			Other	Flowline background
R34	11/15/2024	11:45 AM	FL-BG06@5'	0.3	N.S		N.O			Other	Flowline background
R35	11/15/2024	12:00 PM	FL-BG07@4'	0.2	N.S		N.O			Other	Flowline background
R36	11/15/2024	12:15 PM	FL-BG08@4'	0.4	N.S		N.O			Other	Flowline background

Photo(s)

R1 - P1



Looking northeast

R2 - P1



Looking northeast

R3 - P1



Looking northeast

R4 - P1



Looking northeast

R5 - P1



Looking northeast

R6 - P1



Looking northeast

R7 - P1



Looking northeast

R8 - P1



Looking northeast

R9 - P1



Looking northeast

R10 - P1



Looking northeast

R11 - P1



Looking northeast

R12 - P1



Looking northeast

R13 - P1



Looking northeast

R14 - P1



Looking north

R15 - P1



Looking north

R16 - P1



Looking north

R17 - P1



Looking west

R18 - P1



R19 - P1



Looking north

R20 - P1



R21 - P1



R22 - P1



R24 - P1



R26 - P1



R28 - P1



facing north

R29 - P1



Looking west

R31 - P1



Looking west

R33 - P1



Looking south

R35 - P1



Looking east

R36 - P1



Looking east

Other observations regarding wellheads

Summary

Was impacted soil identified?	Yes - less than 10 cubic yards
Total number of soil samples field screened	36
Total number of soil samples collected	36
Highest PID Reading	1.7
Total number of soil samples submitted to lab for analysis	20
Was groundwater encountered during the investigation?	No
Measured depth to groundwater	
Was remedial groundwater removal conducted?	
Date Groundwater was encountered	
Commencement date of removal	
Sheen on groundwater?	
Free product observed?	
Volume of groundwater removed prior to sampling	
Volume of groundwater removed post sampling	
Total volume of groundwater removed	
Total number of groundwater samples collected	
Total number of groundwater samples submitted to lab for analysis	