

Tank Battery Closure Checklist 2

Project	Occidental Petroleum
ID	434512
Survey Date	04/04/2024
User	Chris Bodie
Additional Attachments (Optional)	Partially Buried Vault Closure
Site Name & COGCC Facility Number	Megan H 16-33 O SA
Remediation Project #	27095
Date	04/04/2024

Site Information

Associated Wells	
Location	
Latitude	40.222002
Longitude	-104.673219
General Condition of Site	Good
USCS Soil Type	Sandy Clay / Sandy Clay
Estimated Depth to Groundwater	>35'
Hydrocarbon Impacted Soils / Spills	Yes
Salt Crusted Soils or Impacted Vegetation	None observed

Soil Samples

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Olfactory	Equipment Type
R1	04/04/2024	02:00 PM	PW-B30@35'	734.5	HC Staining	HC Odor	Produced Water Tank
R2	04/04/2024	02:02 PM	PW-B31@35'	1783	HC Staining	HC Odor	Produced Water Tank
R3	04/04/2024	02:04 PM	PW-B32@35'	341.1	HC Staining	HC Odor	Produced Water Tank
R4	04/04/2024	02:06 PM	PW-B33@35'	14.5	HC Staining	N.O	Produced Water Tank
R5	04/04/2024	02:08 PM	PW-N23@25'	9.6	N.S	N.O	Produced Water Tank
R6	04/04/2024	02:10 PM	PW-N24@25'	3.5	N.S	N.O	Produced Water Tank
R7	04/04/2024	02:12 PM	PW-N25@25'	80.2	N.S	HC Odor	Produced Water Tank
R8	04/04/2024	02:14 PM	PW-N26@25'	16.1	N.S	N.O	Produced Water Tank
R9	04/04/2024	02:16 PM	PW-N23@33'	102.6	Slight HC Staining	Slight HC Odor	Produced Water Tank
R10	04/04/2024	02:18 PM	PW-N24@33'	6.3	N.S	N.O	Produced Water Tank
R11	04/04/2024	02:20 PM	PW-N25@33'	133.4	Slight HC Staining	Slight HC Odor	Produced Water Tank
R12	04/04/2024	02:22 PM	PW-N26@33'	1678	HC Staining	HC Odor	Produced Water Tank
R13	04/04/2024	02:24 PM	PW-S28@25'	3.2	N.S	N.O	Produced Water Tank
R14	04/04/2024	02:26 PM	PW-S29@25'	2.3	N.S	N.O	Produced Water Tank
R15	04/04/2024	02:28 PM	PW-S30@25'	3.0	N.S	N.O	Produced Water Tank

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Olfactory	Equipment Type
R16	04/04/2024	02:30 PM	PW-S31@25'	4.6	N.S	N.O	Produced Water Tank
R17	04/04/2024	02:32 PM	PW-S28@33'	5.0	N.S	N.O	Produced Water Tank
R18	04/04/2024	02:34 PM	PW-S29@33'	145.9	Slight HC Staining	Slight HC Odor	Produced Water Tank
R19	04/04/2024	02:36 PM	PW-S30@33'	4.2	N.S	N.O	Produced Water Tank
R20	04/04/2024	02:38 PM	PW-S31@33'	3.7	N.S	N.O	Produced Water Tank
R21	04/04/2024	02:40 PM	PW-E15@25'	318.4	Slight HC Staining	HC Odor	Produced Water Tank
R22	04/04/2024	02:42 PM	PW-E16@25'	4.1	N.S	N.O	Produced Water Tank
R23	04/04/2024	02:44 PM	PW-E17@25'	10.5	N.S	N.O	Produced Water Tank
R24	04/04/2024	02:46 PM	PW-E18@25'	163.2	N.S	Slight HC Odor	Produced Water Tank
R25	04/04/2024	02:48 PM	PW-E15@33'	4.6	N.S	N.O	Produced Water Tank
R26	04/04/2024	02:50 PM	PW-E16@33'	2.8	N.S	N.O	Produced Water Tank
R27	04/04/2024	02:52 PM	PW-E17@33'	3.9	N.S	N.O	Produced Water Tank
R28	04/04/2024	02:54 PM	PW-E18@33'	228.4	Slight HC Staining	Slight HC Odor	Produced Water Tank
R29	04/04/2024	02:56 PM	PW-W18@25'	2.8	N.S	N.O	Produced Water Tank
R30	04/04/2024	02:58 PM	PW-W19@25'	3.6	N.S	N.O	Produced Water Tank
R31	04/04/2024	03:00 PM	PW-W20@25'	3.0	N.S	N.O	Produced Water Tank
R32	04/04/2024	03:02 PM	PW-W21@25'	2.9	N.S	N.O	Produced Water Tank
R33	04/04/2024	03:04 PM	PW-W18@33'	4.6	N.S	N.O	Produced Water Tank
R34	04/04/2024	03:06 PM	PW-W19@33'	16.3	N.S	N.O	Produced Water Tank
R35	04/04/2024	03:08 PM	PW-W20@33'	5.1	N.S	N.O	Produced Water Tank
R36	04/04/2024	03:10 PM	PW-W21@33'	152.7	Slight HC Staining	Slight HC Odor	Produced Water Tank

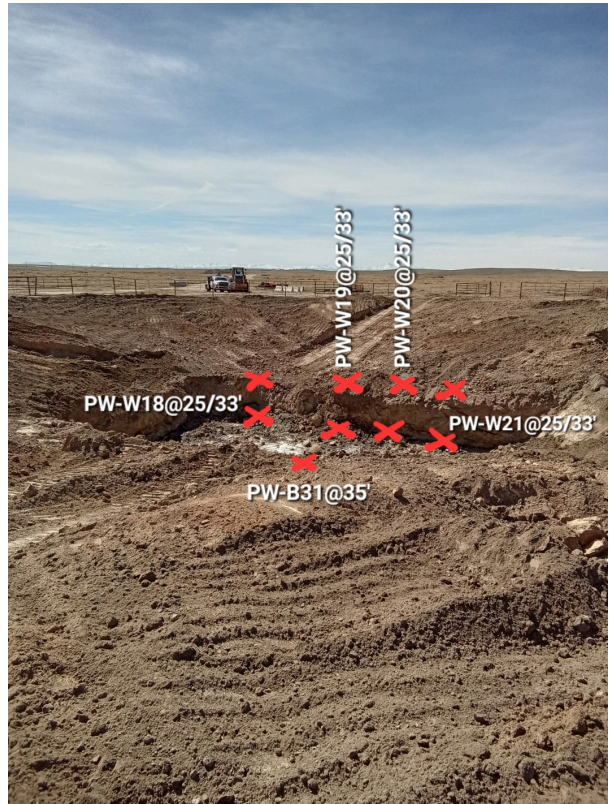
Photo(s)

R1 - P1



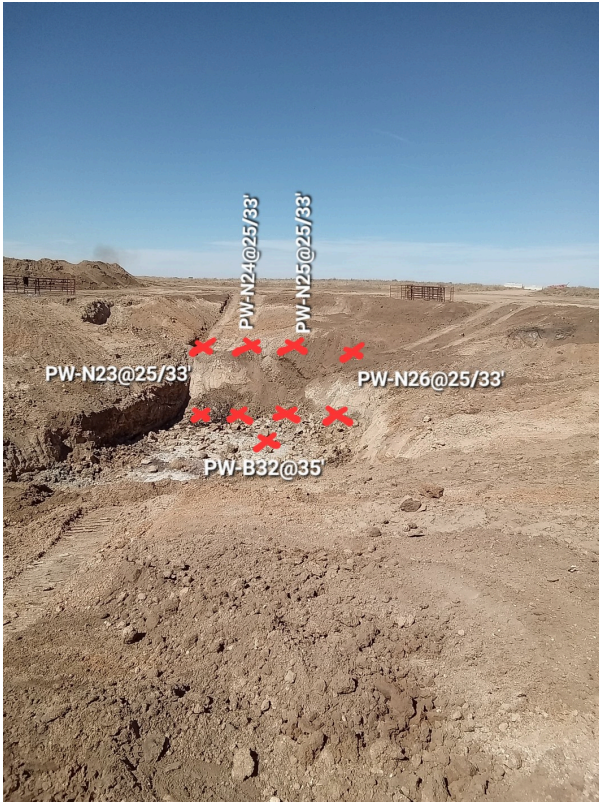
Looking south

R2 - P1



Looking west

R3 - P1



Looking north

R4 - P1



Looking east

Other observations regarding tanks

Summary	
Was impacted soil identified?	Yes - more than 10 cubic yards
Total number of soil samples field screened	36
Total number of soil samples collected	36
Highest PID Reading	1783
Total number of soil samples submitted to lab for analysis	36
Vertical Extent	
Lateral Extent	
Estimated spill volume	
Volume of soil removed	
Is additional investigation required?	
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	