

Tank Battery Closure Checklist

Project	Occidental Petroleum
ID	292627
Survey Date	10/31/2022
User	Matt Bellia
Additional Attachments (Optional)	Partially Buried Vault Closure
Site Name & COGCC Facility Number	Berry Farms 30 31 32-8HZ O SA
Remediation Project #	25564

Site Information

Associated Wells	
Age of Site	
Number of Photos Attached	
Location	
Latitude	40.24534
Longitude	-104.910008
Accuracy	m
Estimated Facility Size	
General Condition of Site	Good
USCS Soil Type	Silt / Silt
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	None observed
Salt Crusted Soils or Impacted Vegetation	None observed

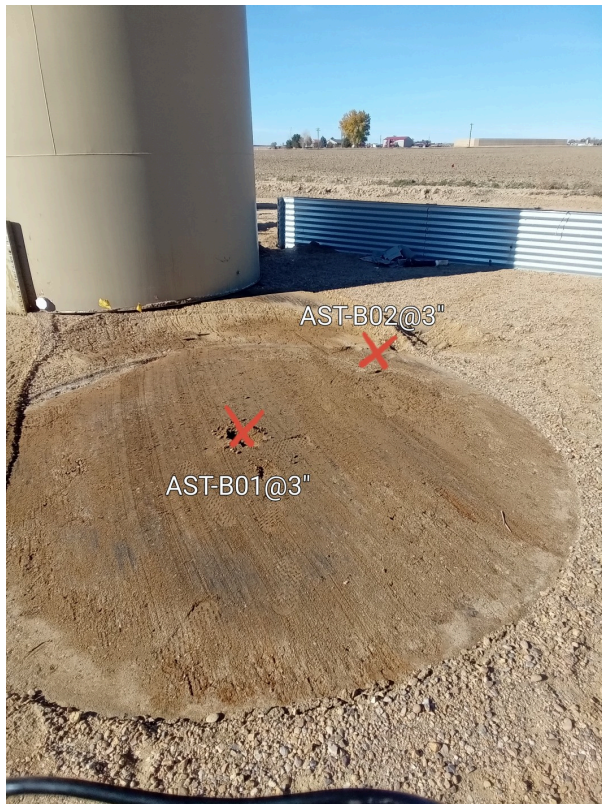
Tanks

#	Tank Contents	Size (barrels)	Age	Construction Material	Tank type (AST/PBV, etc.)	Visual integrity of tank	Condition of tank bottom footprint	Soil impacts present at valves or hatches?	PID Readings	Sample Taken?	Sample ID #
R1					AST	Good	Good	None observed	0.9	Yes	AST-B01@3"
R2					AST	Good	Good	None observed	0.3	Yes	AST-B02@3"
R3					PBV	Good	Good	None observed	0.5	Yes	PW-B01@4'
R4					PBV	Good	Good	None observed	0.6	Yes	PW-N01@2'
R5					PBV	Good	Good	None observed	0.4	Yes	PW-S01@2'
R6					PBV	Good	Good	None observed	0.4	Yes	PW-E01@2'

#	Tank Contents	Size (barrels)	Age	Construction Material	Tank type (AST/PBV, etc.)	Visual integrity of tank	Condition of tank bottom footprint	Soil impacts present at valves or hatches?	PID Readings	Sample Taken?	Sample ID #
R7					PBV	Good	Good	None observed	0.4	Yes	PW-E02@2'
R8					PBV	Good	Good	None observed	0.5	Yes	PW-W01@2'
R9					PBV	Good	Good	None observed	0.6	Yes	PW-W02@2'
R10					PBV		good	none observed	0.3	Yes	PW-B02@5'
R11					AST		good	none observed	0.0	Yes	AST-B03@1.25'
R12					AST		good	none observed	0.1	Yes	AST-B04@1.25'

Photo(s)

R1 - P1



Looking northwest

R2 - P1



R3 - P1



Looking northwest

R5 - P1



Looking southwest

R10 - P1



Looking north

R11 - P1



Looking north

Other observations regarding tanks

Separators

#	Separator size	Vertical or horizontal	Age	Soil impacts observed? If yes, where?	PID Readings	Sample Taken?	Sample ID #
R1		Horizontal		None observed	0.6	Yes	SEP-B01@3"
R2		Horizontal		None observed	10.0	Yes	SEP-B02@3"
R3		Horizontal		None observed	1.1	Yes	SEP-B03@3"
R4		Horizontal		None observed	0.8	Yes	SEP-B04@3"
R5		Horizontal		None observed	0.7	Yes	SEP-B05@3"
R6		Horizontal		None observed	0.6	Yes	SEP-B06@3"
R7		Horizontal		None observed	0.6	Yes	SEP-B07@3"
R8		Horizontal		None observed	0.7	Yes	SEP-B08@3"
R9		Horizontal		None observed	0.5	Yes	SEP-B09@3"
R10		Horizontal		None observed	20.6	Yes	SEP-B10@3"
R11		Horizontal		None observed	1.1	Yes	SEP-B11@3"
R12		Horizontal		None observed	0.8	Yes	SEP-B12@3"
R13		Horizontal		None observed	2.1	Yes	SEP-B13@3"
R14		Horizontal		None observed	0.7	Yes	SEP-B14@3"
R15		Horizontal		None observed	0.3	Yes	SEP-B15@3"
R16		Horizontal		None observed	0.3	Yes	SEP-B16@3"
R17					0.1	Yes	SEP-B05@1.5'
R18		vertical		none observed	1.5	Yes	SEP-B17@1'
R19		horizontal		none observed	1.7	Yes	SEP-B18@1'

Photo(s)

R1 - P1



Looking northeast

R2 - P1



Looking west

R3 - P1



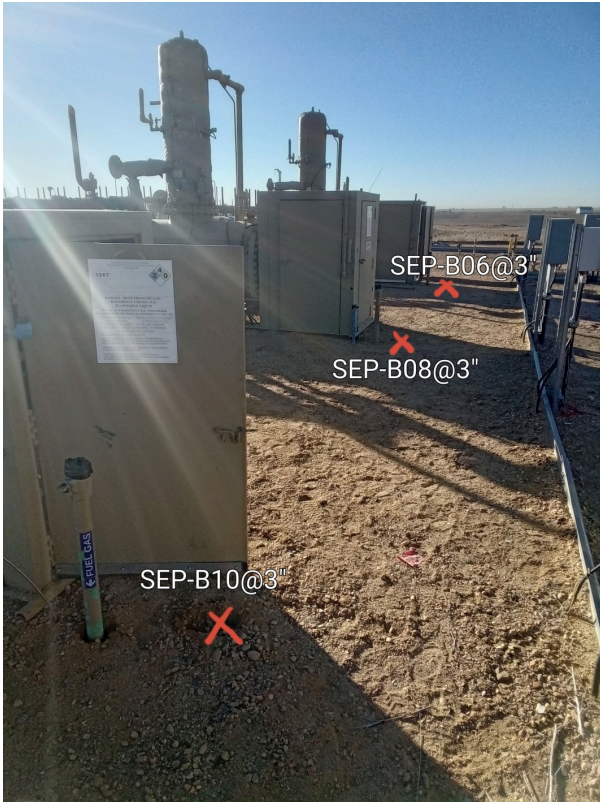
Looking northeast

R5 - P1



Looking west

R6 - P1



Looking south

R7 - P1



Looking west

R9 - P1



Looking west

R11 - P1



Looking east

R12 - P1



Looking east

R17 - P1



Looking West

R18 - P1



Looking northeast

R19 - P1



Looking west

Other observations regarding separators

Third Party Equipment

#	Type	Age	Third Party Operator	Removal Date	Sample Taken?	Sample ID #	PID Readings
R1	Meter House			10/31/2022	Yes	MH-B01@3"	0.2

Photo(s)

R1 - P1



Looking southeast

Other Facility Equipment

#	Equipment type	Equipment Condition	Age	Soil impacts observed during removal? If yes, where?	PID Readings	Sample Taken?	Sample ID #
R1	Emissions control device	Good		None observed	0.3	Yes	ECD-B01@3"
R2	Background			None observed	0.2	Yes	PW-BG01@3"
R3	Background			None observed	0.2	Yes	PW-BG02@3"
R4	Background			None observed	0.3	Yes	PW-BG03@3"
R5	Background			None observed	0.3	Yes	PW-BG04@3"
R6	Background			None observed	0.5	Yes	PW-BG05@2'
R7	Background			None observed	0.5	Yes	PW-BG05@4'
R8	Background			None observed	0.4	Yes	PW-BG06@2'
R9	Background			None observed	0.5	Yes	PW-BG06@4'

Photo(s)

R1 - P1



Looking northwest

R2 - P1



Looking north

R3 - P1



Looking east

R4 - P1



Looking south

R5 - P1



looking west

R6 - P1



Looking east

R8 - P1



Looking northeast

Other observations regarding other facility or third party equipment

Summary

Was impacted soil identified?	No
Total number of soil samples field screened	41
Total number of soil samples collected	41
Highest PID Reading	20.6
Total number of soil samples submitted to lab for analysis	32
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	