District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Grade	e Tank, or
Propos	sed Alternative Method Permit or Closur	e Plan Application
Type of action:	X Permit of a pit, closed-loop system, below-grade ta	nk, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade ta	ank, or proposed alternative method
BGT 1	Modification to an existing permit	
	Closure plan only submitted for an existing permitt	ed or non-permitted pit, closed-loop system,
Instantion DI I it	below-grade tank, or proposed alternative method	
Please be advised that approval	ppucation (Form U-144) per individual pit, closed-loop of this request does not relieve the operator of liability should operation	sult in pollution of surface water around water at the
environment. Nor does approval rel	ieve the operator of its responsibility to comply with any other applicable g	overnmental authority's rules, regulations or ordinances.
1 Operator: ConocoPhillips Compositi	U	OCBID# 117817
Address: PO Box 4289. Farmingto	n. NM 87499	UURID#, <u>21/81/</u>
Facility or well name: HAMMONE	WN FEDERAL 1	
API Number:	3004506224 OCD Permit Number	
U/L or Qtr/Qtr: L Section	on: 25 Township: 27N Range: 8	W County: San Juan
Center of Proposed Design: Latitude	: 36.54166°N Longitude:	<b>107.63987°W</b> NAD: <b>X</b> 1927 1983
Surface Owner: X Federal	State Private Tribal Trust or Indian	Allotment
Permanent Emergency C Lined Unlined Li String-Reinforced Liner Seams: Welded Fa	Cavitation P&A ner type: Thickness mil LLDPE F actory Other Volume:	IDPE       PVC       Other         bbl       Dimensions L       x W       x D
	ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to a notice of intent) nd Steel Tanks Haul-off Bins Other	ctivities which require prior approval of a permit or
Lined Unlined Liner Liner Seams: Welded Fa	r type: Thickness mil LLDPE HI	DPE PVD Other
X Below-grade tank: Subsection I	of 19.15.17.11 NMAC	
Volume: 120 b Tank Construction material: Secondary containment with leak de Visible sidewalls and liner Liner Type: Thickness	Diamond Stress       Produced Water         Metal       Metal         tection       X Visible sidewalls, liner, 6-inch lift and auton         Visible sidewalls only       Other        mil       HDPE       PVC       X Other       Un	natic overflow shut-off
Volume: <u>120</u> b Tank Construction material: Secondary containment with leak de Visible sidewalls and liner Liner Type: Thickness <u>Alternative Method:</u>	Metal  Metal  tection X Visible sidewalls, liner, 6-inch lift and auton Visible sidewalls only Other mil HDPE PVC X Other Un	natic overflow shut-off
Volume:       120       b         Tank Construction material:	bl       Type of fluid:       Produced Water         Metal	natic overflow shut-off  specified nental Bureau office for consideration of approval.

<i>Beed by OCD: 9/13/2021 3:54:15 PM</i> <u>Fencing:</u> Subsection D of 19.15.17.11 NMAC ( <i>V</i> to permanent pit, temporary pits, and below-grade tanks)	Page 2
Chain link, six leet in height, two strands of barbed wire at top ( <i>Required if located within 1000 feet of a permanent residence, school, hospital,</i>	institution or church)
Four root neight, four strands of barbed wire eventy spaced between one and four feet	
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.	
7	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
X Screen Netting Other	
Monthly inspections (If netung or screening is not physically feasible)	
U U	
Signs: Subsection C of 19.15.17.11 NMAC	
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
X Signed in compliance with 19.15.3.103 NMAC	
9 Administrative Approvals and Exceptions:	
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:	
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for c	onsideration of approval
(Fencing/BGT Liner)	- I proven
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC	
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable	
source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the	
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19 15 17 10 NMAC for guidance. Siting criterio	
does not apply to drying pads or above grade-tanks associated with a closed-loop system.	
Ground water is less than 50 feet below the bottom of the temporary pit normanent pit, or below and to be	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes X No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakehold windbala	
lake (measured from the ordinary high-water mark).	res Ano
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	
application.	
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	
(Applied to permanent pits)	
- Visual inspection (certification) of the proposed site: Aerial photo: Satellite image	ANA
Within 500 horizonal feet of a private domestic fresh water well or spring that less than five households use for domestic or start water in	
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes X No
<ul> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.</li> </ul>	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes X No
acopted pursuant to NMSA 1978, Section 5-27-5, as amended Written confirmation or verification from the municipality: Written approval obtained from the municipality	
Within 500 feet of a wetland.	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.	TYes XINO
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	
Within an unstable area.	Yes XNo
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	
Society; Topographic map	
Within a 100-year floodplain	Yes XNo

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	Page 3
Temporary Pits, Emergency Pits and Bel ade Tanks Permit Application Attachment Checklis section B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be anached to the application. Please indicate, by a check mark in the oox, that the documents are attached.	
X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC	
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9	
X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
X Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Previously Approved Design (attach copy of design) API or Permit	
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9	
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC	
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.4	9
Previously Approved Design (attach copy of design) API	
Previously Approved Operating and Maintenance Plan API	
13 Dermanent Dite Dermit Application Checklists Subsection P of 10, 15, 17,0 NMAAC	
Instructions: Each of the following items must be attached to the application. Please indicate by a check mark in the box, that the documents are attached	
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC	
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Climatological Factors Assessment	
Certified Engineering Design Plans - based upon the appropriate requirements of 19 15 17 11 NMAC	
Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC	
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC	
Quality Control/Quality Assurance Construction and Installation Plan	
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
Nuisance or Hazardous Odors, including H2S, Prevention Plan	
Emergency Response Plan	
Oil Field Waste Stream Characterization	
Monitoring and Inspection Plan	
Erosion Control Plan	
<ul> <li>Erosion Control Plan</li> <li>Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC</li> </ul>	
Erosion Control Plan     Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Erosion Control Plan     Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Erosion Control Plan     Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC     I4     Proposed Closure: 19.15.17.13 NMAC     Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.     True DeiWes DW stars D = Deiwes	
Erosion Control Plan     Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC     Proposed Closure: 19.15.17.13 NMAC     Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.     Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System     Alternative	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:       19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closed-loop System         Alternative         Proposed Closure Method:       X Waste Excavation and Removal	
Erosion Control Plan     Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC     Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.     Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System     Alternative     Proposed Closure Method: X Waste Excavation and Removal (Below-Grade Tank)     Waste Removal (Closed-loop systems only)	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:         19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:         19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)       In-place Burial         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:         19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closed-loop System         Alternative         Proposed Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)         Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)	
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:         19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       Below-grade Tank         Closure Method:       Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)       In-place Burial         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15         Waste Excavation and Removal Closure Plan Checklist; (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure	re plan.
Image: Second Control Plan         Image: Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Closure: 19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Permanent Pit       X Below-grade Tank         Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)       In-place Burial         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15       Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closur Please indicate, by a check mark in the box, that the documents are attached.	re plan.
Image: Second control Plan       Image: Second control Plan         Image: Second control Plan       Image: Second control Plan         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC         Image: Second control Plan - based upon the appropriate requirements of 19.15.17.13 NMAC         Image: Second control Plan Checklist:         Image: Second control Plan Checklist:         Image: Second control Plan Plan Checklist:         Image: Second control Plan Checklist:         Image:	re plan.
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         I4         Proposed Closure:       19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Closure Method:       XWaste Excavation and Removal         Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15         Waste Excavation and Removal Closure Plan Checklist:         Yease indicate, by a check mark in the box, that the documents are attached.         X       Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC         X       Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC	re plan.
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:       19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Cavitation       P&A         Preposed Closure flam       Closed-loop System         Alternative       Proposed Closure Method:         Ywaste Excavation and Removal       (Below-Grade Tank)         Waste Removal (Closed-loop systems only)       On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15       Waste Excavation and Removal Closure Method (Exceptions must be submitted to the following items must be attached to the closur         Please indicate, by a check mark in the box, that the documents are attached.         X       Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC         X       Protocols and Procedures - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC         X       Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cutt	re plan.
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         14         Proposed Closure:       19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Closure Method:       XWaste Excavation and Removal         (Below-Grade Tank)       Waste Excavation and Removal         Waste Removal (Closed-loop systems only)       On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15       Waste Excavation and Removal Closure Plan Checklist:         Waste Excavation and Removal Closure Plan Checklist:       (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closur Please indicate, by a check mark in the box, that the documents are attached.         X       Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC         X       Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)         X       Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC <td>re plan.</td>	re plan.
Erosion Control Plan         Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC         Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling         Workover       Emergency         Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop Systems only)         On-site Closure Method:       X Waste Excavation and Removal         (Below-Grade Tank)       Waste Removal (Closed-loop systems only)         On-site Closure Method (only for temporary pits and closed-loop systems)         In-place Burial       On-site Trench         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)         15       Waste Excavation and Removal Closure Plan Checklist:         (19.15.17.13 NMAC)       Instructions: Each of the following items must be attached to the closur Please indicate, by a check mark in the box, that the documents are attached.         X       Protocols and Procedures - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC         X       Onfirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC         X       Disposal Facility Name and Permit Number (for liquids, drillig fluids and drill cuttings)	re plan.

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<u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel</u> Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fl	<b>Tanks or Haul-off Bins Only:</b> (19.15.17.13.D NMAC) uids and drill cuttings. Use attachment if more than two	facilities						
are required.								
	Disposal Facility Permit #:							
Disposal Facility Name: Disposal Facility Permit #:								
Yes (If yes, please provide the information No	occur on or in areas that will not be used for future	service and operations?						
Required for impacted areas which will not be used for future service and operations:	requirements of Subsection II of 10 15 17 12 NM							
Re-vegetation Plan - based upon the appropriate requirements of Subsecti	on I of 19.15.17.13 NMAC	AC .						
Site Reclamation Plan - based upon the appropriate requirements of Subset	ection G of 19.15.17.13 NMAC							
<ul> <li>Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Re- certain siting criteria may require administrative approval from the appropriate district office or for consideration of approval. Justifications and/or demonstrations of equivalency are required.</li> <li>Ground water is less than 50 feet below the bottom of the buried waste.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS: Data obtain Ground water is between 50 and 100 feet below the bottom of the buried waste</li> </ul>	commendations of acceptable source material are provided be may be considered an exception which must be submitted to th Please refer to 19.15.17.10 NMAC for guidance. ed from nearby wells	low Requests regarding changes to e Santa Fe Environmental Bureau office						
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	d from nearby wells							
Ground water is more than 100 feet below the bottom of the buried waste.								
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	ed from nearby wells							
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant	t watercourse or lakebed sinkhole or plava lake							
(measured from the ordinary high-water mark).	watercourse of arcoled, sinkhole, of playa lake							
- Topographic map; Visual inspection (certification) of the proposed site								
Within 300 feet from a permanent residence, school, hospital, institution, or church in exi-	stence at the time of initial application.	Yes No						
• visial inspection (certification) of the proposed site, Aerial photo, satellite image								
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database: Visual inspection (certification) of the proposed site Within incorporated municipal boundaries or within a defined municipal feet water well field even well field even well field even in the time of th								
pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained	ed from the municipality							
Within 500 feet of a wetland		Yes No						
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspect	on (certification) of the proposed site							
Within the area overlying a subsurface mine.	Division	Yes No						
Within an unstable area.	rai Division							
- Engineering measures incorporated into the design; NM Bureau of Geology & Miner	al Resources; USGS; NM Geological Society;							
Within a 100-year floodplain.								
- FEMA map								
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of t by a check mark in the box, that the documents are attached.	he following items must bee attached to the closur	e plan. Please indicate,						
Siting Criteria Compliance Demonstrations - based upon the appropriate re-	guirements of 19.15.17.10 NMAC							
Proof of Surface Owner Notice - based upon the appropriate requirements of	of Subsection F of 19.15.17.13 NMAC							
Construction/Design Plan of Burial Trench (if applicable) based upon the a	ppropriate requirements of 19.15.17.11 NMAC							
Construction/Design Plan of Temporary Pit (for in place burial of a drying p	ad) - based upon the appropriate requirements of 19	.15.17.11 NMAC						
Protocols and Procedures - based upon the appropriate requirements of 19.1	5.17.13 NMAC							
Confirmation Sampling Plan (if applicable) - based upon the appropriate rec	uirements of Subsection F of 19.15.17.13 NMAC							
Waste Material Sampling Plan - based upon the appropriate requirements of	Subsection F of 19.15.17.13 NMAC							
Disposal Facility Name and Permit Number (for liquids, drilling fluids and o	Irill cuttings or in case on-site closure standards can	not be achieved)						
Soil Cover Design - based upon the appropriate requirements of Subsection	H of 19.15.17.13 NMAC							
Site Reclamation Plan - based upon the appropriate requirements of Subsection	1 of 19.15.17.13 NMAC							
one recommender i har oused upon the uppropriate requirements of Subsect	101 0 01 17.13.17.13 NMAC							

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Form C-144

Gil Conservation Division

I hereby certify that the information submitted with this application	tion is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Crystal Tafoya	Title: Regulatory Technician
Signature:	Date: 12/22/2008
e-mail address: crystal taleva@conocophillips	25.0m Telephone: 505-326-9837
4	
OCD Approval: Permit Application (including closure	are plan ( Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Thead Approval Date: September 22, 2021
Title: Environmental Specialist	OCD Permit Number: BGT 1
21	
Closure Report (required within 60 days of closure com	mpletion): Subsection K of 1915 1713 NMAC
Instructions: Operators are required to obtain an approved closur	sure plan prior to implementing any closure activities and submitting the closure report. The closure
report is required to be submitted to the division within 60 days of approved closure plan has been obtained and the closure activitie	of the completion of the closure activities. Please do not complete this section of the form until an ties have been completed
upproved closure plan has been obtained and the closure activitie	Closure Completion Date:
	Closure Completion Date.
22 Closure Method:	
Waste Excavation and Removal On-site Closu	sure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.	wase Removal (closed-loop systems only)
23 Closure Report Regarding Waste Removal Closure For Closed	ed-loon Systems That Utilize Above Ground Steel Tanks or Haul-off Rins Only.
Instructions: Please identify the facility or facilities for where th	the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.	
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associated activitie	ities performed on or in areas that will not be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items be	pelow) No
Required for impacted areas which will not be used for future s	e service and operations:
Site Reclamation (Photo Documentation)	
Son Backhilling and Cover Installation	
Kewegetation Application Kates and Seeding Technique	
24 Closure Report Attachment Checklist: Instructions: Fa	Each of the following items must be attached to the closure report. Places indicate by a sheet much in
the box, that the documents are attached.	such of the following teems must be attached to the closure report. Flease indicate, by a check mark in
Proof of Closure Notice (surface owner and division)	1)
Proof of Deed Notice (required for on-site closure)	
Plot Plan (for on-site closures and temporary pits)	
Confirmation Sampling Analytical Results (if applicat	cable)
Waste Material Sampling Analytical Results (if applic	licable)
Disposal Facility Name and Permit Number	
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Techniq	ique
Site Reclamation (Photo Documentation)	
On site Closure Leastion, Letitude,	Longitude: NAD 1927 1983
On-site Closure Location: Latitude:	
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Derator Closure Certification: hereby certify that the information and attachments submitted with be closure complies with all annitable closure requirements and	vith this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that d conditions specified in the approved closure plan
Derator Closure Certification: hereby certify that the information and attachments submitted with he closure complies with all applicable closure requirements and a large (Drivit)	with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that d conditions specified in the approved closure plan.
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Derator Closure Certification: bereby certify that the information and attachments submitted with the closure complies with all applicable closure requirements and of lame (Print): -mail address:	vith this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that d conditions specified in the approved closure plan. Title: Date: 

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New Mexico Office of the State Engineer POD Reports and Downloads									
	Township: 27N	Range: 07W	Sections:	19,30,31					
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# TOPO MAP HAMMOND WN FEDERAL 1

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# AERIAL MAP HAMMOND WN FEDERAL 1



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# MMQonline Public Version Map Hammond WN Federall



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# HAMMOND WN FEDERAL 1

#### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'HAMMOND WN FEDERAL 1', which is located at 36.54193 degrees North latitude and 107.63945 degrees West longitude. This location is located on the Fresno Canyon 7.5' USGS topographic quadrangle. This location is in section 25 of Township 27 North Range 8 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan county, New Mexico. The nearest town is Blanco, located 16.4 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 34.1 miles to the northwest (National Atlas). The nearest highway is US Highway 64, located 12.7 miles to the north. The location is on BLM land and is 1,759 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Blanco Canyon. New Mexico, Subbasin. This location is located 1815 meters or 5953 feet above sea level and receives 11 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Greasewood Flat as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 195 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 282 feet to the northeast and is classified by the USGS as an intermittent stream. The nearest perennial stream is 3,136 feet to the east. The nearest water body is 1,493 feet to the southeast. It is classified by the USGS as a swamp or marsh and is 1.3 acres in size. The nearest spring is 17,046 feet to the east. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 3,439 feet to the south. The nearest wetland is a 1.1 acre Freshwater Forested/Shrub Wetland located 4 feet to the southwest. The slope at this location is 3 degrees to the northeast as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'River wash' and is poorly drained and all hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 26.3 miles to the northeast as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

#### Regional Geological context:

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it conformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval.

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones.

Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

#### References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, eastcentral San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p. Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona,

and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets. Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

#### ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to this plan.

#### General Plan:

- 1. COPC will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- 2. COPC signage will comply with 19.15.3.103 NMAC when COPC is the operator. If COPC is not the operator it will comply with 19.15.17.11NMAC. COPC includes Emergency Contact information on all signage.
- 3. COPC has approval to use alternative fencing that provides better protection. COPC constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. COPC ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. COPC will construct a screened, expanded metal covering, on the top of the BGT.
- 5. COPC shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- 6. The COPC below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. COPC shall operate and install the below-grade tank to prevent the collection of surface water run-on. COPC has built in shut off devices that do not allow a below-grade tank to overflow. COPC constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. COPC will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

- 9. COPC has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the COPC MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from COPC's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- 11. The general specification for design and construction are attached in the COPC document.



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# DURA-SKRIM® JB0, JB6 8, JA5

PROPERTIES	TEST METHOD	J	30BB	J3	6 <b>BB</b>	. J4	5BB
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Appearance		Blac	k/Black	Black	/Black	Black/Black	
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)
Construction		**Ext	rusion laminated	with encapsula	ted tri-direction	al scrim reinfor	cement
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Maximum Use Temperature		180° F					
Minimum Use Temperature		-70° F					

DD = Diagonal Directions

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Note: Minimum Roll Averages are set to take into account product variability in addition to testing variability between laboratories.

\*Dimensional Stability Maximum Value

\*\*DURA-SKRIM J30BB, J36BB & J45BB are a four layer reinforced laminate containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. DURA-SKRIM J30BB, J36BB & J45BB are reinforced with a 1300 denier (minimum) tri-directional scrim reinforcement.

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.



# PLANT LOCATION

Sioux Falls, South Dakota

# SALES OFFICE

P.O. Box 5107 Sioux Falls, SD 57117-5107 (605) 335-0174 (605) 331-0333 FAX 800-635-3456

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# RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

Raven Industries Inc. warrants Dura-Skrim J30BB, J36BB, and J45BB to be free from manufacturing defects and to be able to withstand normal exposure to sunlight for a period of 20 years from the date of sale for normal use in approved applications in the U.S and Canada, excluding Hawaii. This warranty is effective for products sold and shipped from January 1, 2008 to December 31, 2008. These dates will be updated prior to December 31, 2008.

This Limited Warranty does not include damages or defects in the Raven geomembrane resulting from acts of God, casualty or catastrophe including but not limited to: earthquakes, floods, piercing hail, or tornadoes. The term "normal use" as used herein does not include, among other things improper handling during transportation, unloading, storage or installation, the exposure of Raven geomembranes to harmful chemicals, atypical atmospheric conditions, abuse of Raven geomembranes by machinery, equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source or improper application or installation. Raven geomembrane material warranty is intended for commercial use only and is not in effect for the consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree that the sale hereunder is for commercial or industrial use only.

Should defects or premature loss of use within the scope of the above Limited Warranty occur, Raven Industries Inc. will, at its option, repair or replace the Raven geomembrane on a pro-rata basis at the then current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. Raven Industries Inc. will have the right to inspect and determine the cause of any alleged defect in the Raven geomembrane and to take appropriate steps to repair or replace the Raven geomembrane if a defect exists which is covered under this warranty. This Limited Warranty extends only to Raven's geomembrane, and does not extend to the installation service of third parties nor does it extend to materials furnished or installed by others in connection with the intended use of the Raven geomembranes.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs associated with the site inspection.

In the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as Raven Industries Inc. determines to have violated the warranty provided herein. Raven Industries Inc. shall not be liable for direct, indirect, special, consequential or incidental damages resulting from a breach of this warranty including, but not limited to, damages for loss of production, lost profits, personal injury or property damage. Raven Industries Inc. shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacements, modifications or alteration in advance of them having been made. Raven Industry's liability under this warranty shall in no event exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

Raven Industries Inc. neither assumes nor authorizes any person other than the undersigned of Raven Industries Inc. to assume for it any other or additional liability in connection with the Raven geomembrane made on the basis of the Limited Warranty. The Limited Warranty on the Raven geomembrane herein is given in lieu of all other possible material warranties, either expressed or implied, and by accepting delivery of the material; Purchaser waives all other possible warranties, except those specifically given. This Limited Warranty may only be modified by written document mutually executed by Owner and Raven Industries Inc.

Limited Warranty is extended to the purchaser/owner and is non-transferable and non-assignable; i.e., there are no third-party beneficiaries to this warranty.

Purchaser acknowledges by acceptance that the Limited Warranty given herein is accepted in preference to any and other possible materials warranties.

THIS LIMITED WARRANTY SHALL BE GOVERNED BY SOUTH DAKOTA LAW AND VENUE FOR ALL LEGAL PROCEEDINGS IN CONNECTION WITH THIS LIMITED WARRANTY SHALL BE IN MINNEHAHA COUNTY, SOUTH DAKOTA. RAVEN INDUSTRIES INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR & PARTICULAR PURPOSE. THIS IS THE ONLY WARRANTY THAT APPLIES TO THE MATERIALS REFERRED TO HEREIN AND RAVEN INDUSTRIES INC. DISCLAIMS ANY LIABILITY FOR ANY WARRANTIES GIVEN BY ANY OTHER PERSON OR ENTITY, EITHER WRITTEN OR ORAL.

RAVEN INDUSTRIES' WARRANTY BECOMES AN OBLIGATION OF RAVEN INDUSTRIES INC. TO PERFORM UNDER THE WARRANTY ONLY UPON RECEIPT OF FINAL PAYMENT AND EXECUTION BY A DULY AUTHORIZED OFFICER OF RAVEN INDUSTRIES INC.

#### ConocoPhillips Company San Juan Basin Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of Below Grade Tank (BGT) on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all BGT. A separate plan will be submitted for any BGT which does not conform to this plan.

#### General Plan:

- COPC will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. COPC will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the design plan.
- 2. COPC will not discharge into or store any hazardous waste in the BGT.
- 3. COPC shall operate and install the below-grade tank to prevent the collection of surface water run-on. COPC has built in shut off devices that do not allow a below-grade tank to overflow. COPC constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, COPC will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, COPC's multi-skilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, COPC shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. COPC shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then COPC shall remove all liquid above the damage or leak line within 48 hours. COPC shall notify the appropriate district office. COPC shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, COPC shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. COPC shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.

#### ConocoPhillips Company San Juan Basin Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on ConocoPhillips Company locations hereinafter known as COPC locations. This is COPC's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

#### General Requirements:

- COPC shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I o f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, COPC will file the C144 Closure Report as required.
- COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

- 6. If COPC or the division determines that a release has occurred, then COPC shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then COPC shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- The surface owner shall be notified of COPC's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. COPC shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation
  - Re-vegetation application rates and seeding techniques
  - Photo documentation of the site reclamation
  - Confirmation Sampling Results
  - Proof of closure notice

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811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

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Action 48218

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	48218
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144] B)

#### QUESTIONS

Facility and Ground Water

Please answer as many of these questions as possible in this group. More information will help us identify the appropriate associations in the system.				
Facility or Site Name	Not answered.			
Facility ID (f#), if known	Not answered.			
Facility Type	Below Grade Tank - (BGT)			
Well Name, include well number	Not answered.			
Well API, if associated with a well	Not answered.			
Pit / Tank Type	Not answered.			
Pit / Tank Name or Identifier	Not answered.			
Pit / Tank Opened Date, if known	Not answered.			
Pit / Tank Dimensions, Length (ft)	Not answered.			
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.			
Pit / Tank Dimensions, Depth (ft)	Not answered.			
Ground Water Depth (ft)	Not answered.			
Ground Water Impact	Not answered.			
Ground Water Quality (TDS)	Not answered.			

#### Below-Grade Tank

Subsection I of 19.15.17.11 NMAC	
Volume / Capacity (bbls)	Not answered.
Type of Fluid	Not answered.
Pit / Tank Construction Material	Not answered.
Secondary containment with leak detection	Not answered.
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.
Visible sidewalls and liner	Not answered.
Visible sidewalls only	Not answered.
Tank installed prior to June 18. 2008	Not answered.
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	Not answered.

#### Fencing

Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank	s)
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)	Not answered.
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.
Alternate, Fencing. Please specify (Variance Required)	Not answered.

#### Netting

Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	Not answered.
Netting	Not answered.
Other, Netting. Please specify (Variance May Be Needed)	Not answered.

Signs

Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.
Signed in compliance with 19 15 16 8 NMAC	Not answered.

Signed in compliance with retro. reter time to		
Variances and Exceptions		
Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for Please check a box if one or more of the following is requested, if not leave blank:	guidance.	
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	IAC for guidance.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.	

#### Siting Criteria (regarding permitting)

19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

Siting Criteria, General Siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	Not answered.
NM Office of the State Engineer - iWATERS database search	Not answered.
USGS	Not answered.
Data obtained from nearby wells	Not answered.

Siting Criteria, Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	Not answered.
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	Not answered.
Proposed Closure Method	
Below-grade Tank	Below Grade Tank - (BGT)

5	
Waste Excavation and Removal	Not answered.
Alternate Closure Method. Please specify (Variance Required)	Not answered.
Operator Application Certification	

Registered / Signature Date Not answered.		
	Registered / Signature Date	Not answered.

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# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

#### ACKNOWLEDGMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	48218
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144] B)

#### ACKNOWLEDGMENTS

 $\overline{\checkmark}$ I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.  $\overline{\checkmark}$ 

I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.

ACKNOWLEDGMENTS

Action 48218

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CONDITIONS

Operator:	OGRID:
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#### CONDITIONS

Created By	Condition	Condition Date
cwhitehead	Registration accepted with condition that due to proximity to wetlands of less than 300 feet that BGT undergoes closure within 120 days.	9/22/2021

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