ment       For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.         istrictIV       M 87505       For permanent pits and exceptions submit to the Satua Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.         StrictIV       Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application         Type of action:       Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method       Office and provide a copy to the appropriate NMOCD District Office.         Instructions:       Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method       On-permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method         Instructions:       Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request       Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.         Properator:       ConocoPhillips Company       OGRID#:       217817         Oddress:       PO Box 4289, Farmington, NM 87499       OCD Permit Number:       OD Permit Number:		State of New Mexico	Form C-14
tasks. schmit to the appropriate NMOCD Datatic Office.     Francis Dr.     For permanent plus and exceptions submit to the Santa Fe     Environmental Burnet and Bits and Provide a copy to the     Proposed Alternative Method Permit or Closure Plan Application     Type of action:         [Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method         [Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method         [Closure plan only submitted for an existing permit         [closure plan only submitted for an existing permit         [closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,         below-grade tank, or proposed alternative method         [closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,         below-grade tank, or proposed alternative request         Please be doived than approval of the respectations for function and submitty in the requestion of surface water, ground water or the         emitrommet. Nor does approval at elice we decenter of the responsibility is comply with any other applicable governmental advertiys nule, regulations or outlances.         Performance is approved at elice we decenter of the responsibility is comply with any other applicable governmental advertiys nule, regulations or outlances.         Protec is performed to the spectra of the responsibility is comply with any other applicable governmental advertiys nule, regulations or outlances.         Protec is performed tank provide active the operator of the responsibility is comply with any other applicable governmental advertiys nule, regulations or outlances.         Protec is performed to the spectra of the responsibility is comply with any other applicable governmental advertiys nule, regulations or outlances.         Prote is environment is advertify nule, regulatitins or	n:	Energy Minerals and Natural Resources ment	July 21, 200 For temporary pits, closed-loop sytems, and below-grade
Prancis Dr.     Premanent pits and exceptions submit to the Santa Fe     Environmental Network of the Santa F	- REGIST	EREDion Division	tanks, submit to the appropriate NMOCD District Office.
			For permanent pits and exceptions submit to the Santa Fe
2015. St. Frances Dr., Salar PE, NN # 2505         Pit. Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application         Type of action:	istrict IV		
Proposed Alternative Method Permit or Closure Plan Application         Type of action:	20 S. St. Francis Dr., Santa Fe, NM 87505	Pit Closed-Loop System Below-Grad	
Type of action:       X       Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method         Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method       Modification to an existing permitt         Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank or alternative request         Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that approval of this request does not relieve the operator of tability should operators result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of this responsibility to comply with any other applicable governmental autonity's rules, regulations or ordinances.         perator:       ConceOPhillips Company       OGRID#: 217817         ddress:       PO Box 4289, Farmington, NM 87499       acting overnmental autonity's rules, regulations or ordinances.         perator:       ConceOPhillips Company       OGCD Permit Number:       NL O RUP(Pr:	Propo		
☐ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method         ☐ Modification to an existing permitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method         Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please badvied that approval of this request does not relive to operator of libbity should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of the topostory with any other applicable governmental autority's nule, regulations or ordinances.         perator:       ConcocPhillips Company       OGRID#: 217817         ddress:       PO Box 4289, Farmington, NM 87499       acility or well name: SAN JUAN 29-5 UNIT 63         xPI Number:       3003920714       OCD Permit Number:         //L or Qtr/Qtr:       M Section:       17         Township:       29N       Range:       5W         County:       Rio Arriba       [] 1927         urface Owner:       X Federal       State       Private       [] Trust or Indian Allotment         PHt:       Subsection F or G of 19.15.17.11 NMAC       mil       LLDPE       HDPE       PVC       Other         [] Permanent       Emergency       Cavitation       P&A			
Modification to an existing permit         Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method         Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Press be advised that application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that applicative the operator bit is responsibility to comply with any other applicable governmental autority's nules, regulations or ordinances.         perator:       ConcocPhillips Company         off       OGRID#:       217817         ddress:       PO Box 4289, Farmington, NM 87499       OCD Permit Number:         acility or well name:       SAN JUAN 29-5 UNIT 63       OCD Permit Number:         //L or Qtr/Qtr:       M       Section:       17       Township:       29N       Range:       5W       County:       Rio Arriba         urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Plet:       Subsection F or G of 19.15.17.11 NMAC       T	Type of action:		
Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method         Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's notes, regulations or ordinances.         perator:       ConcocPhillips Company       OGRID#: 217817         ddress:       PO Box 4289, Farmington, NM 87499       acility or well name: SAN JUAN 29-5 UNIT 63         vPI Number:       3003920714       OCD Permit Number:         //L or Qtr/Qtr:       M       Section:       17         //L or Qtr/Qtr:       M       Section:       17       Township:       29N       Range:       5W       County: Rio Arriba         enter of Proposed Design:       Latitude:       36.7215118°N       Longitude:       -107.3851013°W       NAD: X 1927       1983         urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Pits:       Subsection F or G of 19.15.17.11 NMAC       mil       LLDPE       HDPE       PVC       Other			tank, or proposed alternative method
below-grade tank, or proposed alternative method         Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request         Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of list responsibility to comply with any other applicable governmental authority's nules, regulations or ordinances.         perator:       ConcocPhillips Company       OGRID#: 217817         ddress:       PO Box 4289, Farmington, NM 87499       acility or well name: SAN JUAN 29-5 UNIT 63         vPI Number:       3003920714       OCD Permit Number:			tted or non-nermitted nit closed-loop system
Please be advised that approval relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.         perator:       ConcooPhillips Company       OGRID#:       217817         ddress:       PO Box 4289, Farmington, NM 87499			ied of non permited pit, closed-loop system,
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.  Porator: <u>ConocoPhillips Company</u> OGRID#: <u>217817</u> ddress: <u>PO Box 4289, Farmington, NM 87499 acility or well name: <u>SAN JUAN 29-5 UNIT 63</u> Acility or well name: <u>SAN JUAN 29-5 UNIT 63</u> API Number: <u>3003920714</u> OCD Permit Number: //L or Qtr/Qtr: <u>M</u> Section: <u>17</u> Township: <u>29N</u> Range: <u>5W</u> County: <u>Rio Arriba</u> enter of Proposed Design: Latitude: <u>36.7215118°N</u> Longitude: <u>-107.3851013°W</u> NAD: X 1927] 1983 urface Owner: X Federal State Private Tribal Trust or Indian Allotment Pfti: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&amp;A Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other x D  <u>Closed-loop System:</u> Subsection H of 19.15.17.11 NMAC Type of Operation: P&amp;A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE PVD Other</u>	Instructions: Please submit one	application (Form C-144) per individual pit, closed-loc	p system, below-grade tank or alternative request
OGRID#:       217817         ddress:       PO Box 4289, Farmington, NM 87499         acility or well name:       SAN JUAN 29-5 UNIT 63         API Number:       3003920714         OCD Permit Number:       ////////////////////////////////////			
ddress:       PO Box 4289, Farmington, NM 87499         acility or well name:       SAN JUAN 29-5 UNIT 63         VPI Number:       3003920714         OCD Permit Number:	environment. Nor does approval re	lieve the operator of its responsibility to comply with any other applicable	governmental authority's rules, regulations or ordinances.
acility or well name:       SAN JUAN 29-5 UNIT 63         API Number:       3003920714         OCD Permit Number:	Operator: ConocoPhillips Compa	ny	OGRID#: <u>217817</u>
API Number:       3003920714       OCD Permit Number:         //L or Qtr/Qtr:       M       Section:       17       Township:       29N       Range:       5W       County:       Rio Arriba         enter of Proposed Design:       Latitude:       36,7215118°N       Longitude:       -107.3851013°W       NAD:       X 1927       1983         urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Pit:       Subsection:F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced       Iner Seams:       Welded       Factory       Other       volume:       bbl       Dimensions L       x W       x D         Closed-loop System:       Subsection H of 19.15.17.11 NMAC         Type of Operation:       P&A       Drilling a new well       Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)         Drying Pad       Above Ground Steel Tanks       Haul-off Bins       Other       Other	Address: PO Box 4289, Farming	ton, NM 87499	
//L or Qtr/Qtr:       M       Section:       17       Township:       29N       Range:       5W       County:       Rio Arriba         enter of Proposed Design:       Latitude:       36.7215118°N       Longitude:       -107.3851013°W       NAD:       X       1927       1983         urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Pit:       Subsection F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced	acility or well name: SAN JUAN	29-5 UNIT 63	
enter of Proposed Design:       Latitude:       36.7215118°N       Longitude:       -107.3851013°W       NAD:       X       1927       1983         urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Pit:       Subsection F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced	API Number:	3003920714 OCD Permit Numbe	п
urface Owner:       X       Federal       State       Private       Tribal Trust or Indian Allotment         Pit:       Subsection F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced			
Pit:       Subsection F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced       Liner Seams:       Welded       Factory       Other       volume:       bbl       Dimensions L       x W       x D         Closed-loop System:       Subsection H of 19.15.17.11 NMAC         Type of Operation:       P&A       Drilling a new well       Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)         Drying Pad       Above Ground Steel Tanks       Haul-off Bins       Other       Other         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       PVD       Other			
Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVC       Other         String-Reinforced         Liner Seams:       Welded       Factory       Other       Volume:       bbl       Dimensions L       x W       x D         Closed-loop System:       Subsection H of 19.15.17.11 NMAC         Type of Operation:       P&A       Drilling a new well       Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)         Drying Pad       Above Ground Steel Tanks       Haul-off Bins       Other         Lined       Unlined       Liner type:       Thickness       mil       LLDPE       HDPE       PVD       Other	Surface Owner: X Federal	State Private Tribal Trust or Indian	Allotment
notice of intent)         Drying Pad       Above Ground Steel Tanks         Haul-off Bins       Other         Lined       Unlined         Linet       Hickness			
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other	Permanent Emergency Lined Unlined I String-Reinforced Liner Seams: Welded I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC	
	Permanent Emergency Lined Unlined I String-Reinforced Liner Seams: Welded I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to	
	Permanent       Emergency         Lined       Unlined         String-Reinforced         Liner Seams:       Welded         Image: Closed-loop System:         Subsect         Type of Operation:       P&A         Image: Drying Pad       Above Group	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins	bbl Dimensions Lx Wx D
	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         Closed-loop System:       Subsec         Type of Operation:       P&A         Drying Pad       Above Groop         Lined       Unlined       Lined	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off BinsOther LLDPEH	bbl Dimensions Lx Wx D
	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         Closed-loop System:       Subsec         Type of Operation:       P&A         Drying Pad       Above Groop         Lined       Unlined         Liner Seams:       Welded         Welded       I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other	bbl Dimensions Lx Wx D
Volume:         120         bbl         Type of fluid:         Produced Water	Permanent       Emergency         Lined       Unlined       I         String-Reinforced         Liner Seams:       Welded       I         Closed-loop System:       Subsection:         Type of Operation:       P&A         Drying Pad       Above Group         Lined       Unlined         Liner Seams:       Welded         Welded       I         X       Below-grade tank:         Subsection	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other	bbl Dimensions Lx Wx D
Tank Construction material: Metal	Permanent       Emergency         Lined       Unlined       I         String-Reinforced         Liner Seams:       Welded       I         Closed-loop System:       Subsector         Type of Operation:       P&A         Drying Pad       Above Groop         Lined       Unlined         Liner Seams:       Welded         Welded       I         String-Reinforced       I         Drying Pad       Above Groop         Lined       Unlined       Lined         Iner Seams:       Welded       I         Welded       I       I         Iner Seams:       Welded       I         Welded       I       I         Itiner Seams:       Welded       I         Welded       I       I         Iner Seams:       I       I         Welded       I       I         Iner Seams:       I       I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other ler type: Thickness mil LLDPE H Factory Other H of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Metal	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther
Tank Construction material:       Metal         Secondary containment with leak detection       X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         Closed-loop System:       Subsect         Type of Operation:       P&A         Drying Pad       Above Groot         Lined       Unlined       Lined         Liner Seams:       Welded       I         K       Below-grade tank:       Subsection         Volume:       120         Tank Construction material:       Secondary containment with leak of	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other Al of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Metal detection X Visible sidewalls, liner, 6-inch lift and auto	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther
Metal         Secondary containment with leak detection       X       Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off         Visible sidewalls and liner       Visible sidewalls only       Other	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         Closed-loop System:       Subsec         Type of Operation:       P&A         Drying Pad       Above Groop         Lined       Unlined       Lined         Lined       Unlined       Lined         Liner Seams:       Welded       I         K       Below-grade tank:       Subsection         Volume:       120         Tank Construction material:       Secondary containment with leak of         Visible sidewalls and liner       I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other Al of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Metal detection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther
Tank Construction material:       Metal         Secondary containment with leak detection       X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         Closed-loop System:       Subsec         Type of Operation:       P&A         Drying Pad       Above Groop         Lined       Unlined       Lined         Lined       Unlined       Lined         Liner Seams:       Welded       I         X       Below-grade tank:       Subsection         Volume:       120         Tank Construction material:       Secondary containment with leak of         Visible sidewalls and liner       I	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other Al of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Metal detection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther
Tank Construction material:       Metal         Secondary containment with leak detection       X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off         Visible sidewalls and liner       Visible sidewalls only       Other         Liner Type:       Thickness       mil       HDPE       PVC       X Other       Unspecified	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         3       Closed-loop System:       Subsec         Type of Operation:       P&A       [         Drying Pad       Above Groop       Lined       Lined         Lined       Unlined       Lined       Lined         Liner Seams:       Welded       I       I         4       X       Below-grade tank:       Subsection         Volume:       120       Tank Construction material:	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other Al of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Metal detection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther
Metal         Secondary containment with leak detection       X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off         Visible sidewalls and liner       Visible sidewalls only       Other         Liner Type:       Thickness       mil       HDPE       PVC       X Other       Unspecified	Permanent       Emergency         Lined       Unlined       I         String-Reinforced       I         Liner Seams:       Welded       I         3       Closed-loop System:       Subsector         Type of Operation:       P&A       I         Drying Pad       Above Groop       Lined       Lined         Lined       Unlined       Lined       Lined         Liner Seams:       Welded       I         4       X       Below-grade tank:       Subsection         Volume:       120       Tank Construction material:       Secondary containment with leak of         Visible sidewalls and liner       Liner Type:       Thickness       S         5       Alternative Method:       S       S	Cavitation P&A Liner type: Thickness mil LLDPE Factory Other Volume: Stion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE H Factory Other Al of 19.15.17.11 NMAC bbl Type of fluid: Produced Water  Metal detection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other Other U	bbl Dimensions L x W x D activities which require prior approval of a permit or DPEPVDOther matic overflow shut-off nspecified

Evencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below grade tanks)     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,     Four foot height, four strands of barbed wire evenly spaced between one and four feet     X Atternate. Please specify <u>4' hog wire fencing topped with two strands barbed wire</u> .	institution or c	hurch)
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 netting or screening is not physically feasible)		
8       Signs:       Subsection C of 19.45.17.11 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		
<ul> <li><u>Administrative Approvals and Exceptions:</u> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.</li> <li><i>Please check a box if one or more of the following is requested, if not leave blank:</i> <ul> <li>X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for co (Fencing/BGT Liner) <ul> <li>Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</li> </ul> </li> </ul></li></ul>	nsideration of	approval.
10		
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 criteria 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, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	XNo
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo
(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.	Yes	No
(Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XNA	
Within 500 horizonal 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 feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	XNo
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD · Mining and Mineral Division	Yes	XNo
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes	X No
Society; Topographic map Within a 100-year floodplain - FEMA map	Yes	XNo

Temporary Pits, Emerge	ancy Pits and Below-grade Tanks P	Permit Application Attachme	nt Checklist: Subsection B of 19,15,17,9 NMAC eck mark in the box, that the documents are attached.
			h (4) of Subsection B of 19.15.17.9 NMAC
			Paragraph (2) of Subsection B of 19.15.17.9
	ipliance Demonstrations - based upon		
	I upon the appropriate requirements of		1 12.13.17.10 NMAC
	ntenance Plan - based upon the approp		
19.15.17.9 NMAC	and 19.15.17.13 NMAC	pplicable) - based upon the app	ropriate requirements of Subsection C of
Previously Approved D	esign (attach copy of design)	API	or Permit
Instructions: Each of the foll     Geologic and Hydro     Siting Criteria Com     Design Plan - basec     Operating and Main     Closure Plan (Pleas     NMAC and 19.15.1	ogeologic Data (only for on-site closur pliance Demonstrations (only for on- I upon the appropriate requirements or itenance Plan - based upon the approp e complete Boxes 14 through 18, if ap	lication. Please indicate, by a che- re) - based upon the requirement site closure) - based upon the a of 19.15.17.11 NMAC priate requirements of 19.15.17	ck mark in the box, that the documents are attached, hts of Paragraph (3) of Subsection B of 19,15,17,9 ppropriate requirements of 19,15,17,10 NMAC
	perating and Maintenance Plan	API	
Instructions: Each of the fol  I Hydrogeologic Repa Siting Criteria Com Climatological Fact Certified Engineerir Dike Protection and Leak Detection Desi Liner Specifications Quality Control/Qua Operating and Main Freeboard and Over Nuisance or Hazarda Emergency Respons Oil Field Waste Stree Monitoring and Insp Erosion Control Plar	ort - based upon the requirements of F pliance Demonstrations - based upon ors Assessment ag Design Plans - based upon the appr Structural Integrity Design: based up ign - based upon the appropriate requi and Compatibility Assessment - base thy Assurance Construction and Insta- tenance Plan - based upon the appropri- topping Prevention Plan - based upon ous Odors, including H2S. Prevention e Plan am Characterization ection Plan	plication. Please indicate, by a ch Paragraph (I) of Subsection B o the appropriate requirements of ropriate requirements of 19.15. you the appropriate requirement irements of 19.15.17.11 NMAG ed upon the appropriate require allation Plan riate requirements of 19.15.17. the appropriate requirements of a Plan	f 19.15.17.10 NMAC 17.11 NMAC s of 19.15.17.11 NMAC T ments of 19.15.17.11 NMAC 12 NMAC f 19.15.17.11 NMAC
14 Proposed Closure: 19.15.	17.13 NMAC		
Instructions: Please complete	the applicable boxes. Boxes 14 through		
Type: Drilling Wo	rkover Emergency Cavitation	n P&A Permanent Pit	X Below-grade Tank Closed-loop System
Proposed Closure Method:	X Waste Excavation and Removal	(Below-Grade Tank)	
	Waste Removal (Closed-loop syste		
	On-site Closure Method (only for		ystems)
		On-site Trench	
	Alternative Closure Method (Exce	ptions must be submitted to the	Santa Fe Environmental Bureau for consideration)
Please indicate, by a check m X Protocols and Proced X Confirmation Sampli X Disposal Facility Nar X Soil Backfill and Cov	ark in the box, that the documents are all lures - based upon the appropriate requing Plan (if applicable) - based upon the me and Permit Number (for liquids, data	utached. uirements of 19.15.17.13 NMA he appropriate requirements of rilling fluids and drill cuttings) n the appropriate requirements	Subsection F of 19.15.17.13 NMAC of Subsection H of 19.15.17.13 NMAC
=	<ul> <li>n - based upon the appropriate require</li> </ul>		
in the recention Flat	- cased upon the appropriate require	chienes of subsection 0 of 19.1	J. F. LE INMINE

16		
Waste Removal Closure For Closed-loop Systems That Utilize Above Groun Instructions: Please identify the facility or facilities for the disposal of liquids, di	d Steel Tanks or Haul-off Bins Only: (19.15.17 E.D. NMAC	)
are required.	nning hunds and drift cultings. Use attachment if more than tw	o facilities
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated act           Yes (If yes, please provide the information	tivities occur on or in areas that will not be used for future	e service and operations?
Required for impacted areas which will not be used for future service and operat	tions:	
Soil Backfill and Cover Design Specification - based upon the app	ropriate requirements of Subsection H of 19.15.17.13 NM	IAC
Re-vegetation Plan - based upon the appropriate requirements of S	ubsection 1 of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements o	f Subsection G of 19.15.17.13 NMAC	
17		
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 N	IMAC	
Instructions: Each siting criteria requires a demonstration of compliance in the closure p certain siting criteria may require administrative approval from the appropriate district of for a maximum surgestion of surgeous description of the state of the surgeous sectors of the surgeous description of the surge	office or may be considered on execution which more be colonian to	elow. Requests regarding changes to
for consideration of approval. Justifications and/or demonstrations of equivalency are re-	quired. Please refer to 19.15.17.10 NMAC for guidance.	ne sanai ne Environmental Bureau office -
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No
<ul> <li>NM Office of the State Engineer - iWATERS database search; USGS: Data</li> </ul>	i obtained from nearby wells	
Ground water is between 50 and 100 feet below the bottom of the buried v		
<ul> <li>NM Office of the State Engineer - iWATERS database search; USGS: Data</li> </ul>		Yes No
	ontained from nearby wells	N/A
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig (measured from the ordinary high-water mark).	gnificant watercourse or lakebed, sinkhole, or playa lake	Yes No
<ul> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>		
Within 300 feet from a permanent residence, school, hospital, institution, or churc	h in existence at the time of initial application.	Yes No
- Visual inspection (certification) of the proposed site: Aerial photo: satellite in	nage	
		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that les purposes, or within 1000 horizontal fee of any other fresh water well or spring, in - NM Office of the State Engineer - (WATERS database; Visual inspection (ce	existence at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh wat pursuant to NMSA 1978, Section 3-27-3, as amended.	er well field covered under a municipal ordinance adopted	Yes No
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		Yes No
Within the area overlying a subsurface mine.	inspection (certification) of the proposed site	
Written confirantion or verification or map from the NM EMNRD-Mining and	nd Mineral Division	Yes No
Within an unstable area.		
- Engineering measures incorporated into the design; NM Bureau of Geology &	Mineral Resources; USGS; NM Geological Society:	
Topographic map		
<ul> <li>FEMA map</li> </ul>		Yes No
- тыма шар		
18 On Site Cleaner Plan Checkling (10.15.17.12.514.4.0) A statistical pro-		
<b>On-Site Closure Plan Checklist:</b> (19.15.17.13 NMAC) Instructions: Ea by a check mark in the box, that the documents are attached.	ch of the following items must bee attached to the closur	e plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropr	iate requirements of 10.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirer		
Construction/Design Plan of Burial Trench (if applicable) based upon		
Construction/Design Plan of Temporary Pit (for in place burial of a d		
<ul> <li>Protocols and Procedures - based upon the appropriate requirements</li> </ul>	of 19.15.17.13 NMAC	9.15.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropria		
Waste Material Sampling Plan - based upon the appropriate requirem		
<ul> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluid</li> <li>Soil Cover Design - based upon the appropriate requirements of Subs</li> </ul>		not be achieved)

of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC 

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

19 Operator Applicatio	n Cartification			
	information submitted with this applic.	ation is true, accurate and complete to	the bast of any broad-ala	
Name (Print):	Crystal Tafoya	Title:	Regulatory T	
Signature:	1 407	Thing Date:		
e-mail address:	cestai talovani concoachili	Telephone:	12/22/2	
	<u></u>	Telephone:	505-32	
20 OCD Approval:	Permit Application (including clos	ure plan) Closure Plan (on	Iv) OCD Conditio	ns (see attachment)
OCD Representative	Signature:		Approva	
Title:		OCD P	ermit Number:	
24				
nstructions: Operators i report is required to be s	<b>Lired within 60 days of closure co</b> are required to obtain an approved clo- submitted to the division within 60 days as been obtained and the closure activi	sure plan prior to implementing any c of the completion of the closure activ ites have been completed.	osure activities and subm	itting the closure report. The closure lete this section of the form until an
Waste Excavatio	n and Removal On-site Clo approved plan, please explain.	sure Method Alternative Close	re Method Waste	Removal (Closed-loop systems only)
Disposal Facility Nan Disposal Facility Nan	ne:	Disposal Facil	ity Permit Number:	e attachment if more than two facilities
Yes (If yes, please	e demonstrate compliane to the items l l areas which will not be used for future	below)	nor be used for future ser	vice and opeartions?
	(Photo Documentation)			
Soil Backfilling a	nd Cover Installation			
Re-vegetation Ap	plication Rates and Seeding Technique			
Closure Report Att	achment Checklist: Instructions: E	Each of the following items must be a	tached to the closure rep	ort. Please indicate, by a check mark in
Proof of Closure	Notice (surface owner and division	))		
inour or crostate	otice (required for on-site closure)			
Proof of Deed N	-site closures and temporary pits)			
Proof of Deed N Plot Plan (for on		able)		
Proof of Deed N     Plot Plan (for on     Confirmation Sa	-site closures and temporary pits)			
Proof of Deed N     Plot Plan (for on     Confirmation Sa     Waste Material S	-site closures and temporary pits) mpling Analytical Results (if applic			
Proof of Deed N     Plot Plan (for on     Confirmation Sa     Waste Material S     Disposal Facility     Soil Backfilling a	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if appl Name and Permit Number and Cover Installation	icable)		
<ul> <li>Proof of Deed N</li> <li>Plot Plan (for on</li> <li>Confirmation Sa</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation A</li> </ul>	-site closures and temporary pits) impling Analytical Results (if applic Sampling Analytical Results (if appl Name and Permit Number and Cover Installation pplication Rates and Seeding Techn	icable)		
<ul> <li>Proof of Deed N</li> <li>Plot Plan (for on</li> <li>Confirmation Sa</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation A</li> <li>Site Reclamation</li> </ul>	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if appl Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation)	icable)		
Proof of Deed N     Plot Plan (for on     Confirmation Sa     Waste Material S     Disposal Facility     Soil Backfilling a     Re-vegetation A	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if appl Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation)	icable)	N	AD 1927 1983
<ul> <li>Proof of Deed N</li> <li>Plot Plan (for on</li> <li>Confirmation Sa</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation A</li> <li>Site Reclamation</li> <li>On-site Closure I</li> </ul>	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if appl Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation)	icable) ique	N	AD [] 1927 [] 1983
<ul> <li>Proof of Deed N</li> <li>Plot Plan (for on</li> <li>Confirmation Sa</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation A</li> <li>Site Reclamation</li> <li>On-site Closure I</li> </ul>	-site closures and temporary pits) impling Analytical Results (if applic Sampling Analytical Results (if applic Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation) Location: Latitude:	icable) ique	N	AD [] 1927 [] 1983
Proof of Deed N     Plot Plan (for on     Confirmation Sa     Waste Material S     Disposal Facility     Soil Backfilling a     Re-vegetation A     Site Reclamation     On-site Closure 1	-site closures and temporary pits) impling Analytical Results (if applic Sampling Analytical Results (if applic Name and Permit Number and Cover Installation opplication Rates and Seeding Technic (Photo Documentation) Location: Latitude:	icable) ique Longitude:	and complete to the best	AD 1927 1983
Proof of Deed N      Plot Plan (for on      Confirmation Sa      Waste Material S      Disposal Facility     Soil Backfilling a      Re-vegetation A      Site Reclamation     On-site Closure 1      Proof of Deed N      retain Closure Cert      ereby certify that the iny      closure complies with o	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if applic Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation) Location: Latitude: tification: formation and attachments submitted w	icable) ique Longitude:	and complete to the best	
Proof of Deed N      Plot Plan (for on      Confirmation Sa      Waste Material S      Disposal Facility     Soil Backfilling a      Re-vegetation A      Site Reclamation     On-site Closure I      perator Closure Cert      rereby certify that the inj	-site closures and temporary pits) mpling Analytical Results (if applic Sampling Analytical Results (if applic Name and Permit Number and Cover Installation pplication Rates and Seeding Technic (Photo Documentation) Location: Latitude: tification: formation and attachments submitted w	icable) ique Longitude: ith this closure report is ture, accurate I conditions specified in the approved	and complete to the best	

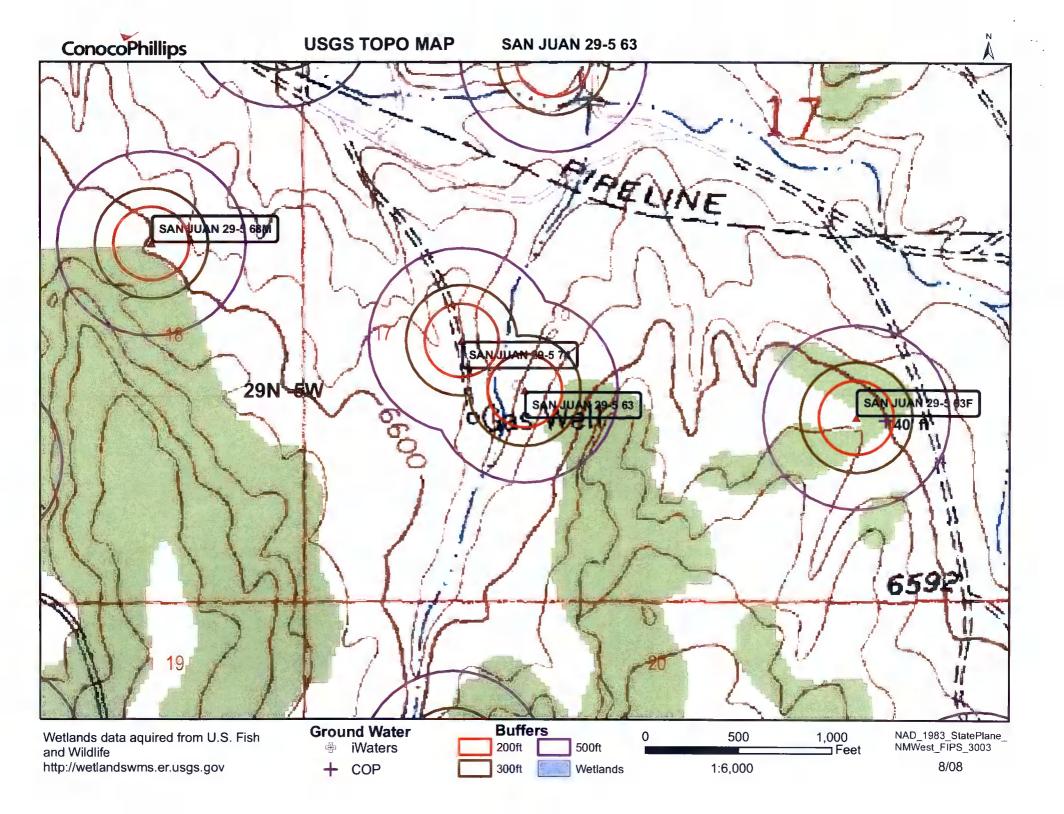
New Mexico Office of the State Engineer

	exico Office of the State Engineer OD Reports and Downloads	
Township: 29N Range:	05W Sections:	
NAD27 X: Y:	Zone: Searc	ch Radius:
County: Basin:	Number:	Suffix:
Owner Name: (First)	(Last) C Non-E	Domestic C Domestic C All
POD / Surface Data Report	Avg Depth to Water Report	Water Column Report
Clear F	orm iWATERS Menu Help	
	<u></u>	

### WATER COLUMN REPORT 08/20/2008

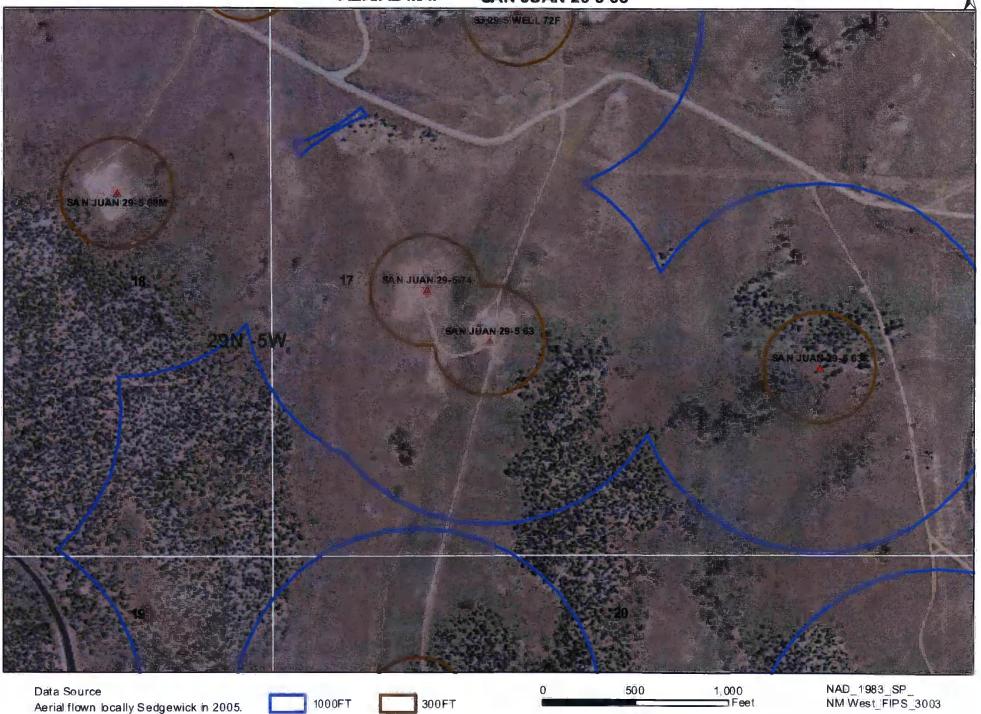
							3=SW 4=S smalles			Depth	Depth	Water (i
POD Number	Tws	Rng	Sec	q	q	Q	Zone	x	Y	Well	Water	Column
SJ 02339	29N	05W	29	3	3	3				350	108	242
SJ 00422	29N	05W	31	2						239	135	104
SJ 00056	29N	05W	31	2	3	1				142	50	92
SJ 00057	29N	05W	31	2	3	1				158	57	101
SJ 03208	29N	05W	31	3	3	3				220	160	6.0
SJ 02383	29N	05W	32	1	1	1				300	100	200

Record Count: 6



ConocoPhillips

### AERIAL MAP SAN JUAN 29-5 63

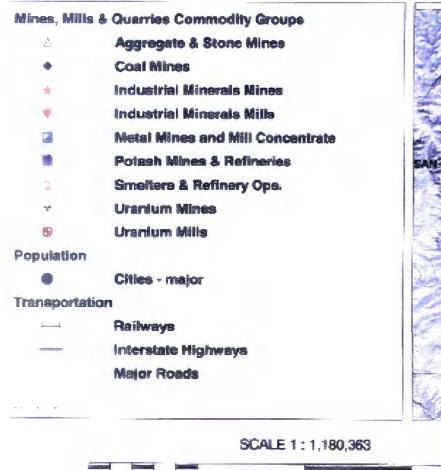


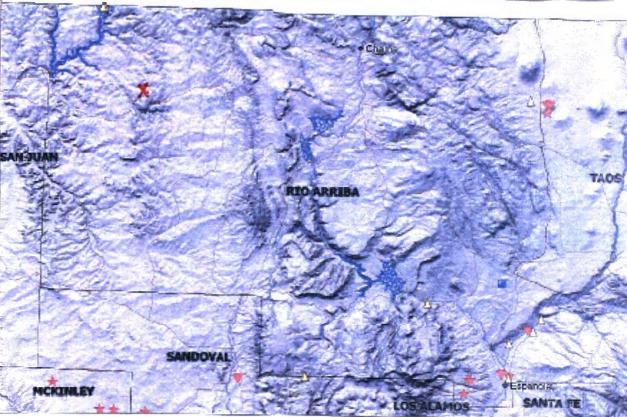
8/08

# Mines, Mills and Quarries Web Map

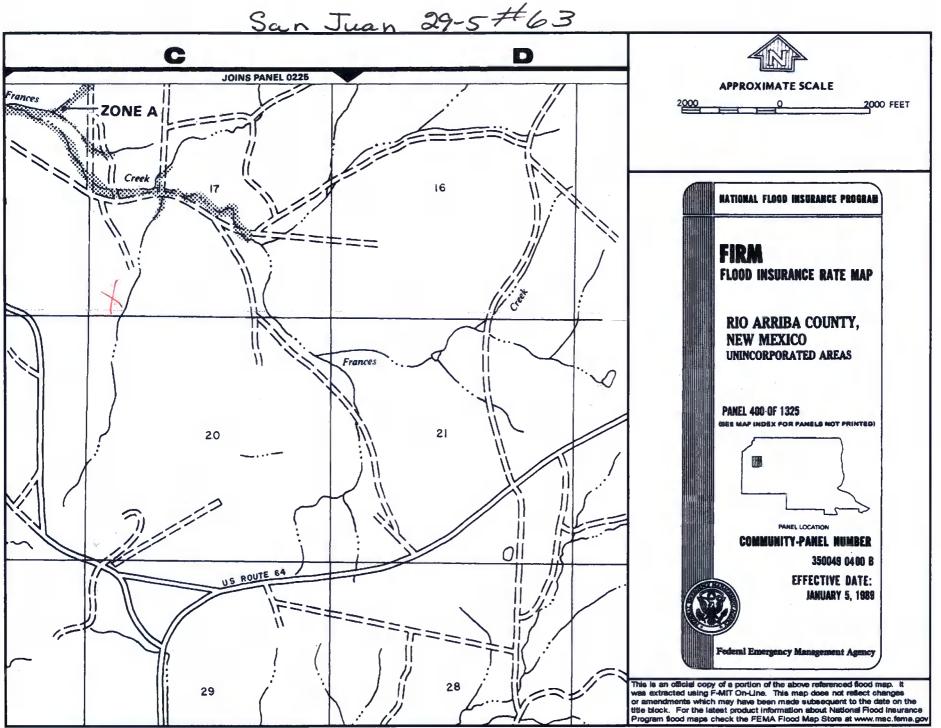
SAN JUAN 29-5 63

Unit Letter: M, Section: 17, Town: 029N, Range: 005W









### SAN JUAN 29-5 UNIT 63

### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 29-5 UNIT 63', which is located at 36.7215118 degrees North latitude and 107.3851013 degrees West longitude. This location is located on the Four mile Canyon 7.5' USGS topographic quadrangle. This location is in section 17 of Township 29 North Range 5 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Allison, located 21.7 miles to the north. The nearest large town (population greater than 10,000) is Farmington, located 45.6 miles to the west (National Atlas). The nearest highway is US Highway 64, located 1.4 miles to the southeast. The location is on Private land and is 40 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Upper San Juan. Colorado. New Mexico, Sub-basin. This location is located 2004 meters or 6573 feet above sea level and receives 13.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Big Sagebrush Shrubland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 170 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 290 feet to the west and is classified by the USGS as an intermittent stream. The nearest perrenial stream is 5,851 feet to the southeast. The nearest water body is 5,835 feet to the southeast. It is classified by the USGS as a perennial lake and is 0.4 acres in size. The nearest spring is 20,225 feet to the south. 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 1,601 feet to the east. The nearest wetland is a 0.2 acre other located 10,556 feet to the southwest. The slope at this location is 7 degrees to the west 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 SAN JOSE FORMATION -- Siltstone, shale, and sandstone with a Sandstone dominated formations of all age's substrate. The soil at this location is 'Orlie fine sandy loam, 1 to 8 percent slopes' and is well drained and not hydric with moderate erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 8.2 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

### Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line. The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aguifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use. The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation. relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

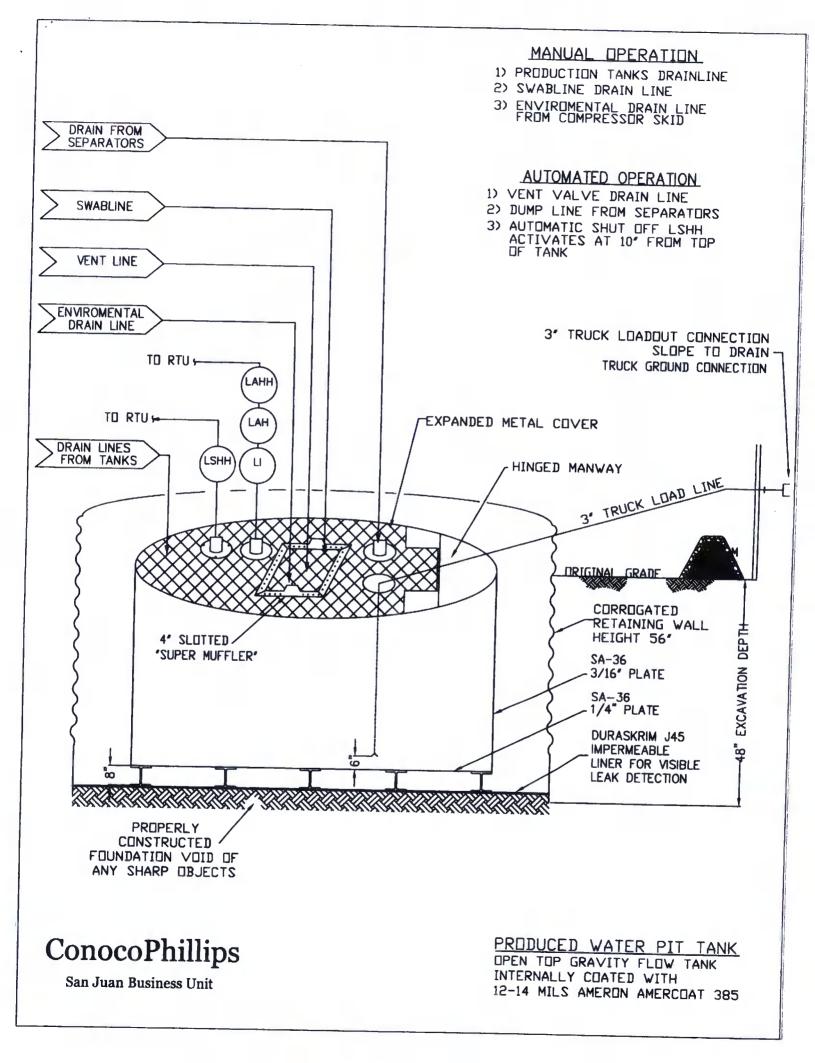
### ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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.



### PROPERTIES **TEST METHOD** J30BB **J36BB** J4588 Min. Roll Typical Roll Min. Roll Typical Roll Min. Roll Typical Roll Averages Averages Averages Averages Averages Averages Appearance Black/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 126 lbs 140 lbs 151 lbs 168 (bs ASTM D 5261 189 lbs 210 lbs (oz/yd²) (18.14)(20.16)(21.74)(24.19)(27.21)(30.24)Construction \*\*Extrusion laminated with encapsulated tri-directional scrim reinforcement **Ply Adhesion ASTM D 413** 16 lbs 20 lbs 19 lbs 24 lbs 25 lbs 31 lbs 88 lbf MD 110 lbf MD 1" Tensile Strength 90 lbf MD 113 lbf MD ASTM D 7003 110 lbf MD 138 lbf MD 63 lbf DD 79 lbf DD 70 lbf DD 87 lbf DD 84 lbf DD 105 lbf DD 1" Tensile Elongation @ 550 MD 750 MD 550 MD 750 MD ASTM D 7003 550 MD 750 MD Break % (Film Break) 550 DD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD 20 MD **ASTM D 7003** 30 MD 20 MD 36 MD Peak % (Scrim Break) 20 DD 33 DD 20 DD 31DD 20 DD 36 DD 75 lbf MD 97 lbf MD **Tongue Tear Strength** 75 lbf MD **ASTM D 5884** 104 lbf MD 100 lbf MD 117 lbf MD 75 lbf DD 90 lbf DD 75 lbf DD 92 lbf DD 100 lbf DD 118 lbf DD 180 lbf MD 218 lbf MD Grab Tensile 180 lbf MD 222 lbf MD ASTM D 7004 220 lbf MD 257 lbf MD 180 lbf DD 210 lbf DD 180 lbf DD 223 lbf DD 220 lbf DD 258 lbf DD 120 lbf MD Trapezoid Tear 146 lbf MD 130 lbf MD ASTM D 4533 189 lbf MD 160 lbf MD 193 lbf MD 120 lbf DD 141 lbf DD 130 lbf DD 172 lbf DD 160 lbf DD 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 180° F 180° F 180° F 180° F 180° F Minimum Use Temperature -70° F -70° F -70° F -70° F

SKRIM®

MD = Machine Direction

DD = Diagonal Directions

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 cisciaims all liability for resulting loss or damage.

## PLANT LOCATION

Sioux Falls, South Dakota

### SALES OFFICE

-70° F

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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 A 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:

- 1. 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 1 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 of 19.15.17.11 NMAC within five years, if
  not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11
  NMAC; b) permitted 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.
- 4. 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 50 mg/kg; and the chloride concentration, as determined by EPA method 418.1 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