District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, 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

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

441		1.1.1.	Pit, Below-G	rade Tank, or		
-21790	Propo	sed Alterna	ative Method Pe	rmit or Closure Pla	an Applicat	ionoil Cons. DIV DIS
- 01 110	Type of action:	Delow gra	luc tallk registration			ond. Div Dis
			a pit or proposed altern			APR 1 9 2016
			f a pit, below-grade tan ion to an existing perm	k, or proposed alternative	method	TIN 1 9 2010
				an existing permitted or no	on-nermitted nit	below-grade tank.
	or proposed alter			an enterning permittee er n	on Portune Pr	,
	Instructions: Plea	ase submit one aj	pplication (Form C-144)	per individual pit, below-gr	ade tank or altern	native request
				y should operations result in p with any other applicable gove		water, ground water or the s rules, regulations or ordinance
1. Operator: Willia	ams Four Corners	LLC		OGRID #:		
Address: 1755	Arroyo Drive, Bloo	omfield, NM 874	413			
Facility or well r	name: Florance Ga	as Com J No. 0	16A			
API Number: 30	0-045-21790		OCI	D Permit Number:		
U/L or Otr/Otr	P Se	ction 6	Township 30N	Range 9W (County. San Ju	an
Center of Propos	sed Design: Latitude	36.835162	Lo	ngitude -107.816092		NAD: 1927 1983
Conter of Propos	Federal State	Private T	ribal Trust or Indian Allo	tment		
Surface Owner:						
					5 4	
2.	tion E. G. or L. of 19	15 17 11 NMAC		* Conspilia	ns of Ap	provul
2.	ction F, G or J of 19			* Constitution	us of Ap	provul
2. <u>Pit</u>: Subsec Temporary:	Drilling 🗌 Workov	/er				
2. Pit: Subsec Temporary: Permanent	Drilling 🗌 Workov] Emergency 🗌 Ca	ver avitation 🗌 P&A	A 🗌 Multi-Well Fluid M	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. <u>Pit</u>: Subsec Temporary: Permanent	Drilling 🗌 Workov] Emergency 🗌 Ca	ver avitation 🗌 P&A	A 🗌 Multi-Well Fluid M		Chloride Drilling	Fluid 🗌 yes 🗌 no
2. Definition Subsection Temporary: Definition Permanent Definition Lined Definition String-Reinford	Drilling 🗌 Workov Emergency 🗌 Ca nlined Liner type: prced	ver avitation D P&A Thickness	A D Multi-Well Fluid M mil DLDPE	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. Definition Subsection Temporary: Definition Subsection Temporary: Definition Definition Subsection Subsect	Drilling 🗌 Workov Emergency 🗌 Ca nlined Liner type: prced	ver avitation D P&A Thickness	A D Multi-Well Fluid M mil DLDPE	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. Temporary: Permanent Lined U: String-Reinfor Liner Seams:	Drilling 🗌 Workov Emergency 🗌 Ca nlined Liner type: prced	ver avitation D P&A Thickness	A D Multi-Well Fluid M mil DLDPE	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. Temporary: Permanent Lined U: String-Reinfor Liner Seams: 3.	Drilling Workov Emergency Ca nlined Liner type: prced Welded Factor	ver avitation	A 🗌 Multi-Well Fluid M mil 🔲 LLDPE 🗌	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. Temporary: Permanent Lined U: String-Reinfo Liner Seams: 3. Below-grade	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection	ver avitation P&A Thickness y Other I of 19.15.17.11	A D Multi-Well Fluid M mil DLDPE	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. [] <u>Pit</u> : Subsect Temporary: [] [] Permanent [] [] Lined [] U: [] String-Reinfo Liner Seams: [] 3. [] <u>Below-grade</u> Volume: <u>45</u>	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection b	ver avitation P&A Thickness y Other I of 19.15.17.11	A 🗌 Multi-Well Fluid M mil 🔲 LLDPE 🗌	fanagement Low	Chloride Drilling	Fluid 🗌 yes 🗌 no
2. [] <u>Pit</u> : Subsect Temporary: [] [] Permanent [] [] Lined [] U: [] String-Reinfo Liner Seams: [] 3. [] <u>Below-grade</u> Volume: <u>45</u> Tank Construction	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume:bbl I	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. 3. Below-grade Volume: 45 Tank Construction Calculate Construc	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection b on material: Steel ontainment with leal	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection S	A D Multi-Well Fluid M mil DLDPE	fanagement Low	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. [] Pit: Subsect Temporary: [] [] Permanent [] [] Lined [] U: [] String-Reinfo Liner Seams: [] 3. [] Below-grade Volume: 45 Tank Construction [] Secondary c [] Visible sidev	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Y	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls	A D Multi-Well Fluid M mil DLDPE NMAC Produced water Visible sidewalls, liner, 6- only D Other	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. [] Pit: Subsect Temporary: [] [] Permanent [] [] Lined [] U: [] String-Reinfo Liner Seams: [] 3. [] Below-grade Volume: 45 Tank Construction [] Secondary c [] Visible sidev	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Y	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. Temporary: Permanent Lined U: String-Reinfo Liner Seams: 3. Below-grade Volume: 45 Tank Construction Secondary c Visible siden Liner type: Thic	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Yekness 6	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls	A D Multi-Well Fluid M mil DLDPE NMAC Produced water Visible sidewalls, liner, 6- only D Other	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. [] Pit: Subsect Temporary: [] [] Permanent [] [] Lined [] U: [] String-Reinfo Liner Seams: [] 3. [] Below-grade Volume: 45 Tank Construction [] Secondary c [] Visible sidev Liner type: Thic	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Yekness 6	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls	A D Multi-Well Fluid M mil DLDPE NMAC Produced water Visible sidewalls, liner, 6- only D Other	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L	Fluid 🗌 yes 🗌 no
2. 3. Below-grade Volume: 45 Tank Constructio Secondary c Liner type: Thic	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection b on material: Steel ontainment with leal walls and liner Y kness 6 Method:	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls mil	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L flow shut-off	g Fluid □ yes □ no
2. 3. Below-grade Volume: 45 Tank Construction Visible sidev Liner type: Thic 4. Liner type: Thic 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection b on material: Steel ontainment with leal walls and liner Y kness 6 Method:	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls mil	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over: Dther	Chloride Drilling r Dimensions: L flow shut-off	g Fluid □ yes □ no
2. 3. Below-grade Volume: 45 Tank Construction Secondary c Liner type: Thic A. Alternative I Submittal of an e 5.	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor etank: Subsection b on material: Steel ontainment with leal walls and liner Y kness 6 Method: exception request is n	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection Visible sidewalls mil required. Except	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume:bbl I -inch lift and automatic over: Dther	Chloride Drilling r Dimensions: L flow shut-off l Bureau office fo	g Fluid □ yes □ no
2. 2. 2. Temporary: 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Y skness 6 Method: exception request is r ction D of 19.15.17.	ver avitation P&A Thickness y Other I of 19.15.17.11 bl Type of fluid k detection V Visible sidewalls mil required. Except 11 NMAC (Appli	A D Multi-Well Fluid M mil DLDPE NMAC Produced water Visible sidewalls, liner, 6 only Other HDPE PVC C HDPE VC C	fanagement Low HDPE PVC Other Volume: bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L flow shut-off al Bureau office fo	r consideration of approval.
2. 2. Temporary: 2. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Y kness 6 Method: exception request is r ction D of 19.15.17. ix feet in height, two urch)	ver avitation P&A Thickness y Other J of 19.15.17.11 bl Type of fluid k detection Visible sidewalls mil required. Except 11 NMAC (Applie strands of barbed	A D Multi-Well Fluid M mil DLDPE	fanagement Low HDPE PVC Other Volume: bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L flow shut-off al Bureau office fo	r consideration of approval.
2. 3. Below-grade Joint Construction Secondary construction Liner type: Thic Liner type:	Drilling Workov Emergency Ca nlined Liner type: orced Welded Factor tank: Subsection bon material: Steel ontainment with leal walls and liner Y kness 6 Method: exception request is r ction D of 19.15.17. ix feet in height, two urch)	ver avitation P&A Thickness y Other J of 19.15.17.11 bl Type of fluid k detection Visible sidewalls mil required. Except 11 NMAC (Applie strands of barbed	A D Multi-Well Fluid M mil DLDPE NMAC Produced water Visible sidewalls, liner, 6 only Other HDPE PVC C HDPE VC C	fanagement Low HDPE PVC Other Volume: bbl I -inch lift and automatic over	Chloride Drilling r Dimensions: L flow shut-off al Bureau office fo	r consideration of approval.

State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary

Tony Delfin Deputy Cabinet Secretary David R. Catanach, Division Director **Oil Conservation Division**



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.5.11

Application Type:

P&A Drilling/Casing Change Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA) Underground injection control Guidance #84)

Other: C-144 Below Grade Tank Closure Plan

API WELL #	Well Name	Well #	Operator Name	Typ	e Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
	FLORANCE GAS COM J		BP AMERICA PRODUCTION COMPANY	G		San Juan	F	P	6	30	N	9	w

Conditions of Approval:

Williams Four Corners LLC submitted Below Grade Tank (BGT) Closure Plan for the Metering/Separator BGT located at the BP Well site Florance Gas Com J 16A. Williams BGT was registered in 2010, during 2013 Williams modified the BGT from the original Permit without notification to install a liner. To ensure that no contamination was covered by any possible backfill during construction Williams Closure Plan has been approved with the following Conditions:

Williams will collect a 5 point composite sampled as describe in 19.15.17.13 NMAC at a depth of ۰ at least 2 feet below the Tank/liner.

If you have any questions please feel free to contact me at your leisure.

pproved by Signature NMOCD A

Date

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other

7.

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances 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:

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9. <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; ■ Data obtained from nearby wells	□ Yes ■ No □ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗌 Yes 🗌 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	Yes No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🔳 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🔳 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet 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 search; Visual inspection (certification) of the proposed site	🗋 Yes 🗌 No

 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Temporary Pit Non-low chloride drilling fluid	
 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	Yes No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.	
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N	IMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached.	
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	NMAC
 Siting Criteria Compliance Demonstrations - 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. and 19.15.17.13 NMAC 	15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
11. Multi-Well Fluid Management Pit 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 do attached. 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	cuments are
 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC 	.15.17.9 NMAC
 Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC 	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

 12. Permanent Pits Permit Application 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 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 Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.12 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, Prevention Plan 	documents are
 Humanice of Hazaroous Goods, including H₂G, Frevention Fian Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection 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 	
13. 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 Multi-well F Alternative Proposed Closure Method: 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 Burial Alternative Closure Method	luid Management Pit
 Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	
15. <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. If 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
 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 from nearby wells 	□ Yes □ No □ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
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 No
Within the area overlying a subsurface mine.	
- Written confirmation or verification or map from the NM EMNRD-Mining and 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 	
Within a 100-year floodplain.	Yes No
- FEMA map	Yes No
16.	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan	an. Please indicate,
by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.	
Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.1 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	15.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC	
Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC	the estimat
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannol Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	ot be achieved)
Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
17.	
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believed and be	ief.
Name (Print): Matt Webre	
Signature: Date: 4/19/2016	
matt.webre@williams.com	
e-mail address: matt.webre@williams.com	
18. A M	
18. <u>OCD Approval</u> : Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	
18. A M	1/16
18. OCD Approval: Permit Application (including closure plan) If Closure Plan (only) If OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 4/22	y/16
18. <u>OCD Approval</u> : Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	4/16
18. OCD Approval: Permit Application (including closure plan) Image: Closure Plan (only) Image: OCD Conditions (see attachment) OCD Representative Signature:	2/16
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	complete this
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	complete this
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18. OCD Approval: Permit Application (including closur plan) Closure Plat (only) OCD Conditions (see attachment) OCD Representative Signature:	bop systems only)

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

Variance Request:

Williams requests a variance request from Subsection E(1) of 19.15.17.13 New Mexico Administrative Code (NMAC) which states:

The operator shall notify the surface owner by certified mail, return receipt requested that the operator plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include well name, API number and location. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement.

The variance will allow Williams to notify public agencies such as the Bureau of Land Management (BLM), State of New Mexico, local government/municipalities, and/or tribal agencies via email based on their notification preferences

SITING CRITERIA
SUMMARY INFORMATION SHEET
19.15.17.10 NMAC



LT Environmental Inc. 2243 Main Avenue, Suite 3 Durango, Colorado 81301 T 970-385-1096

GENERAL INFORMATION		
Site Name: Florance Gas Com J 16A	Operator:	Williams Four Corners LLC
Pit Type: Below Grade Tank	Date:	
	Prepared by:	LT Environmental
GENERAL SITE LOCATION INFORMATION		
Geologic Formation: San Jose Formation	SEC: ϵ	
Soil Type:Travessilla-Weska ComplexAnnual Precipitation:9.79 inches	Latitude:	36.835162° Longitude: -107.816092°
Annual Precipitation:9.79 inches		
GENERAL SITING CRITERIA		
To groundwater loss then 25 fact below the better of bel	ow and a 41-0	25 to 50 fact
Is groundwater less than 25 feet below the bottom of bel	ow grade tank?	25 to 50 feet See Figure 3, attached iWaters Data, and Table 2 of Site
		Assessment Report
BELOW GRADE TANK SITING CRITERIA		
Within 100 feet of a continuously flowing watercourse?	NO See Fig	ure l
The San Juan River is located approximately 5.9	0 miles southea	ast of the site.
Within 100 feet of a significant watercourse? NO	See Figure 1 and Figur	e 3
A secondary tributary of Caballo Canyon is locate	ed approximate	y 0.30 miles south of the site.
Within 100 feet of a lakebed, playa lake, or sinkhole? $^{ m N}$	O See Figure 2	
No lakebeds, playa lakes, or sinkholes are locate	d within the imr	nediate area.
Within 200 horizontal feet of a spring or a freshwater w	vell used for NO	See Figure 3 and attached iWaters data
public or livestock co	nsumption?	
Water well SJ 00009 with iWaters data is located approxim MW-1, MW-2, MW-3, MW-4, and MW-5 are located on the state of the		
feet, 225 feet, and 325 to the southwest of the site. Valanci		
ATTACHED DOCUMENTS:		
Hydrogeologic Report Fig	ure 2 of CB&I Sit	e Assessment Report
		Assessment Report
Figure 2: Aerial Photograph		-
Figure 3: Water Well and Surface Water Features		
iWaters Data		
ADDITIONAL COMMENTS:		

LE

LT Environmental Inc.

2243 Main Avenue, Suite 3 Durango, Colorado 81301 T 970.385.1096 / F 970.385.1873

Florance Gas Com J 16A Hydrogeologic Report for Siting Criteria

General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology. The below-grade tank is located in the upper reaches of Caballo Canyon, northeast of Blanco, New Mexico. The predominant geologic formation is the San Jose Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits, serve as the primary aquifers in the San Juan Basin. In most of the area, the San Jose Formation lies at the surface and overlies the Nacimiento Formation. Thickness of the San Jose Formation ranges from 200 feet to 2,700 feet, thickening from west to east across the region of interest. Aquifers occur within the coarser and continuous sandstone bodies of the San Jose Formation, and groundwater within these aquifers flows toward the San Juan River. Little specific hydrogeologic data are available for the San Jose Formation system, but numerous wells and springs are used for stock and domestic supplies (Stone et al., 1983).

The prominent soil type at the below-grade tank is Travessilla-Weska Compolex, which are defined as soils that exhibit little to no profile development (<u>www.emnrd.state.nm.us</u>). Soils are basically unaltered from their parent rock. Miles of arroyos, washes, and intermittent streams exist as part of the drainage network toward the San Juan River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area and prohibits effective recharge to the underlying aquifers.

Dry and arid weather further prohibit active recharge. The climate of the region is arid, averaging approximately 9.79 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center <u>www.wrcc.dri.edu</u>). The predominant vegetation are sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).



Site-Specific Hydrogeology

Depth to groundwater is between 25 and 50 feet beneath the bottom of the below-grade tank. This estimation is based on data from Stone et al. (1983), the United States Geological Survey (USGS) *Groundwater Atlas of the United States*. Additionally, local topography and proximity to surface hydrologic features are taken into consideration. When available, permitted water well logs and cathodic protection well logs are referenced to infer depth to groundwater near the site.

Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone, and shale. "Extensive intertonguing" of different members of this formation is reported. Porous sandstones form the principal aquifers, while relatively impermeable shales and mudstones form confining units between the aquifers. Most aquifers exist within the San Jose Formation at depths greater than 100 feet, and thicknesses of the aquifers can be up to several hundred feet (USGS, *Groundwater Atlas of the United States*; Stone et al., 1983).

The below-grade tank is located in the upper reaches of Caballo Canyon. Regional topography of the area is composed of mesas dissected by deep, narrow canyons and arroyos. The mesas are composed of cliff-forming sandstone, and systems of dry washes and their tributaries composed of alluvium are evident on the attached aerial image. The below-grade tank is located at an elevation of approximately 6,507 feet above Caballo Canyon.

Depth to groundwater is between 25 and 50 feet beneath the below-grade tank. This estimation is based on nearby monitoring water well data, domestic water well data, and topographic features. Groundwater data available from the New Mexico State Engineer's iWaters database for wells near the below-grade tank are attached. Groundwater data are sparse in this region; the nearest iWaters data point is well number SJ 00009 located approximately 0.40 miles northwest of the site. Depth to groundwater in the permitted water well is 60 feet below ground surface. According to Figure 2 and Table 2 of the CB&I *Site Assessment Report* (January 14, 2016), groundwater monitoring wells surrounding the well pad indicate that groundwater averages approximately 38 feet bgs (attached).

References

CB&I Environmental & Infrastructure, Inc., January 14, 2016, *Site Assessment Report, Florance Gas Com J 16A*, prepared for Williams Four Corners, LLC, San Juan County, New Mexico.

Dane, C.H. and G. O.Bachman, 1965, *Geologic Map of New Mexico*: U.S. Geological Survey, 1 sheet, scale 1:500,000.



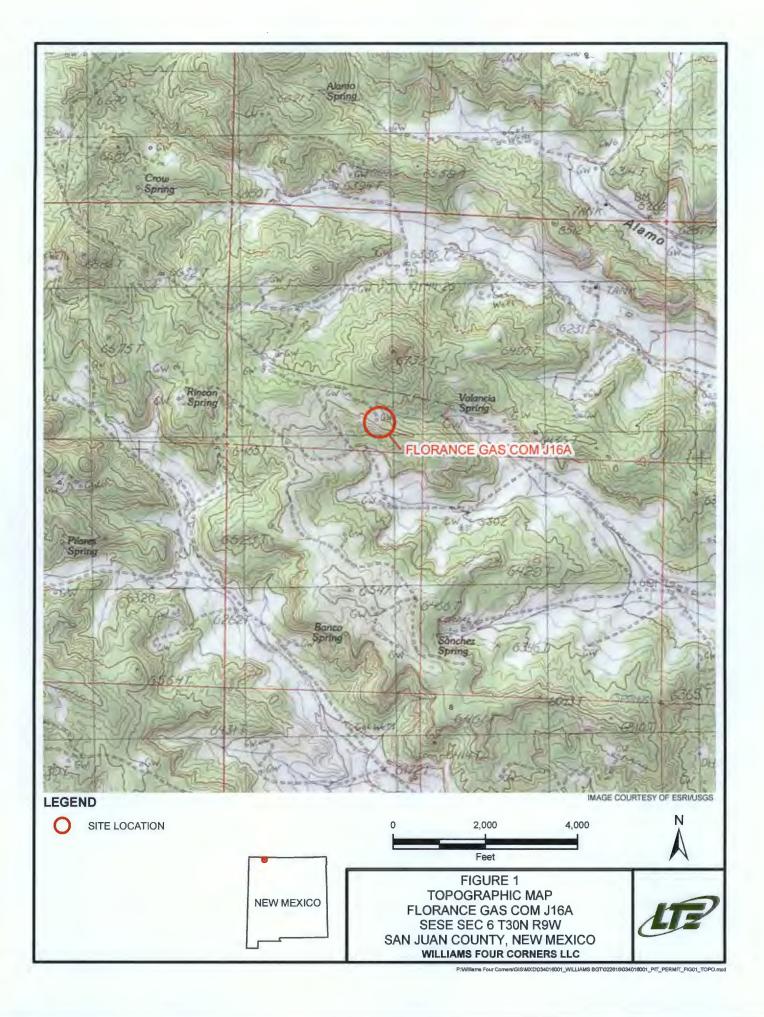
Dick-Peddie, W.A., 1993, *New Mexico Vegetation – Past, Present and Future*: Albuquerque, New Mexico, University of New Mexico Press, 244 p.

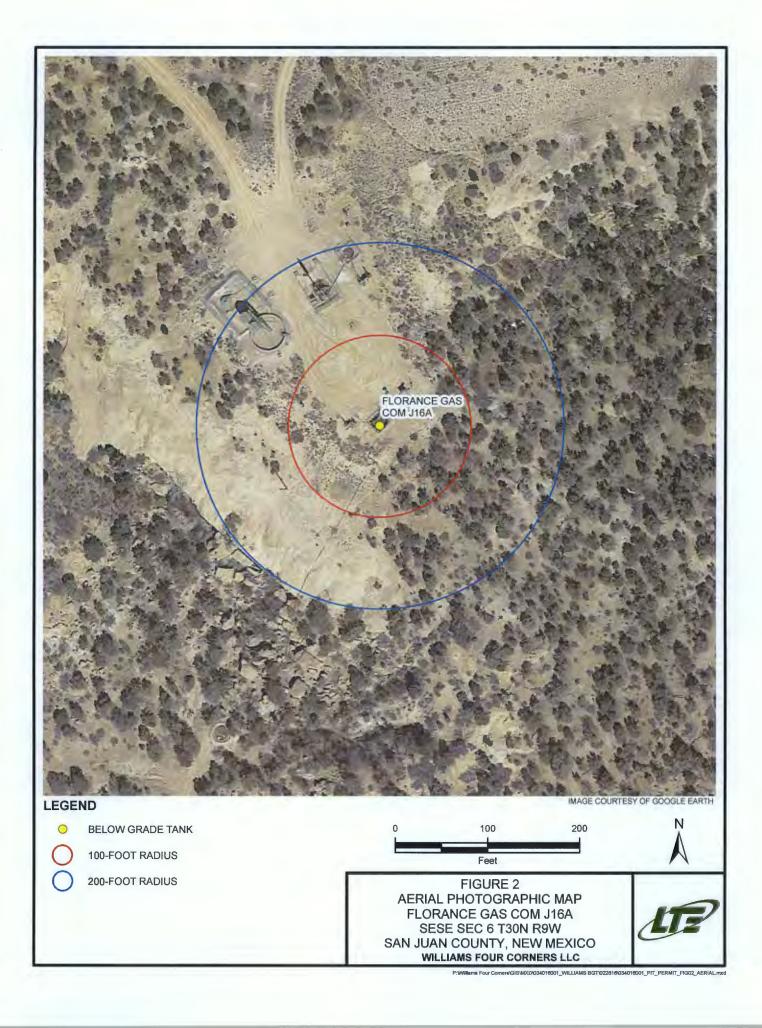
Stone, W.J., F.P. Lyford, P.F. Frenzel, N.H. Mizell, and E.T. Padgett, 1983, *Hydrogeology and Water Resources of the San Juan Basin, New Mexico*: HR-6 New Mexico Bureau of Geology and Mineral Resources Hydrology Report 6.

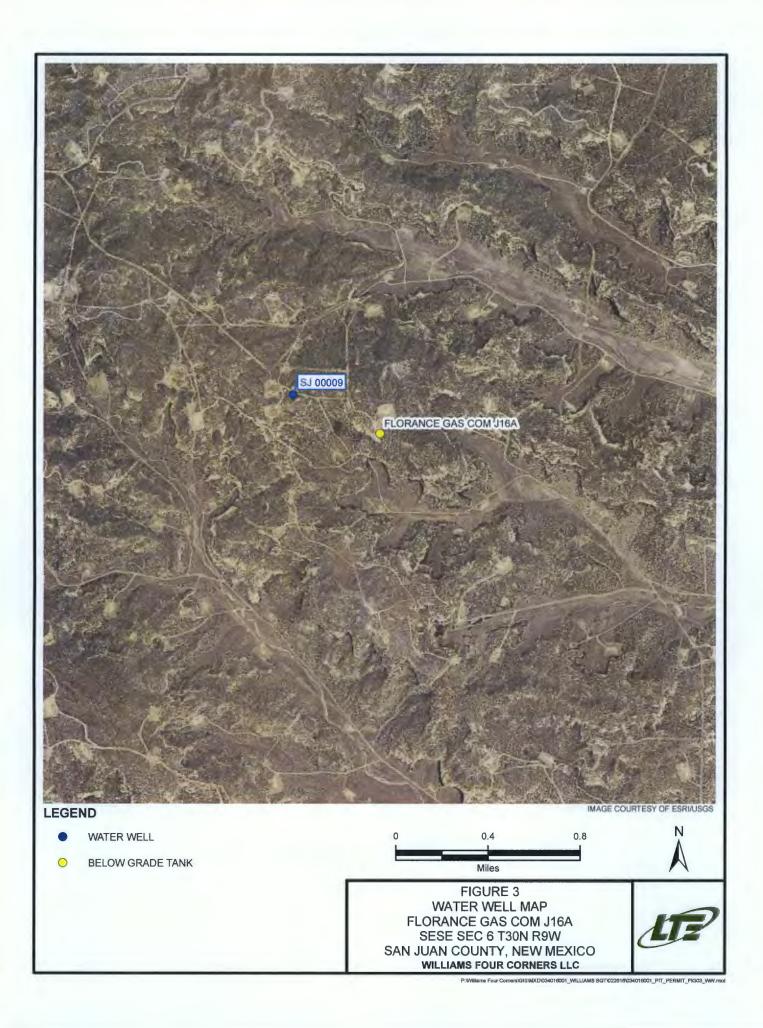
USGS, <u>Groundwater Atlas of the United States</u>: Arizona, Colorado, New Mexico, Utah, HA 730-C: (<u>http://www.pubs.usgs.gov</u>).

Western Region Climate Center, 2008, New Mexico climate summaries: Desert Research Institute at <u>http://www.wrcc.dri.edu/summary/climsmnm.html</u>.

New Mexico Energy, Minerals and Natural Resources Department, <u>www.emnrd.state.nm.us</u>.







New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(quarte				IE 3=SW largest)	'	3 UTM in meters)		(in fee	t)
POD Number	POD Sub- Code basin C		QQQ 64 16 4		Tws	Rng	x	Y	C. 252 S.		Water Column
SJ 00009		SJ	3	06	30N	09W	248261	4080567* 🌍	396	60	336
								Average Depth to Minimun	n Depth:	60 f	eet
Record Count: 1								Maximun	n Depth:	60 f	feet

PLSS Search:

Section(s): 6

Township: 30N

Range: 09W

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the lecipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.



Table 2 LIQUID LEVEL GAUGING DATA FLORANCE GAS COM J 16A WILLIAMS FOUR CORNERS, LLC

			Total	Top of Casing		Depth to GW	Depth to	Product	Corrected
ID.	LAT	LONG	Depth (ft	Elevation	Date	(ft below	Product (ft	Thickness (ft)	GW Elevatio
or successful descend to the section of a section of			bslow TOC)	(ft Relative)		TOC)	below TOC)		(ft) (1)
	36.835316	-107.816524	42.40	101.09	5/26/2015	38.67			62.42
	36.835316	-107.816524	42.40	101.09	5/27/2015	38.68			62.41
	36.835316	-107.816524	42.40	101.09	5/28/2015	38.69			62.40
	36.835316	-107.816524	42.40	101.09	6/1/2015	38.67			62.42
	36.835316	-107.816524	42.40	101.09	6/3/2015	38.65			62.44
	36.835316	-107.816524	42.40	101.09	6/5/2015	38.66			62.43
MW-1	36.835316	-107.816524	42.40	101.09	6/8/2015	38.66			62.43
	36.835316	-107.816524	42.40	101.09	6/10/2015	38.63			62.46
	36.835316	-107.816524	42.40	101.09	6/16/2015	38.61			62.48
	36.835316	-107.816524	42.40	101.09	6/24/2015	38.60			62.49
	36.835316	-107.816524	42.40	101.09	6/25/2015	38.59			62.50
	36.835316	-107.816524	42.40	101.09	6/30/2015	38.57			62.52
	36.835316	-107.816524	42.40	101.09	12/2/2015	38.48			62.61
	36.835291	-107.816085	42.42	100.70	5/26/2015	38.89			61.81
	36.835291	-107.816085	42.42	100.70	5/20/2015	38.81			61.89
	36.835291	-107.816085	42.42	100.70	5/28/2015	38.81			61.89
	36.835291	-107.816085	42.42	100.70	6/1/2015	38.81			61.89
	36.835291	-107.816085	42.42	100.70	6/3/2015	38.78			61.92
	36.835291	-107.816085	42.42	100.70	6/5/2015	38.80			61.90
MW-2	36.835291	-107.816085	42.42	100.70	6/8/2015	38.82			61.88
11111-E	36.835291	-107.816085	42.42	100.70	6/10/2015	38.77			61.93
	36.835291	-107.816085	42.42	100.70	6/16/2015	38.77			61.93
	36.835291	-107.816085	42.42	100.70	6/24/2015	38.77			61.93
	36.835291	-107.816085	42.42	100.70	6/25/2015	38.77			61.93
	36.835291	-107.816085	42.42	100.70	6/30/2015	38.77			61.93
	36.835291	-107.816085	42.42	100.70	12/2/2015	38.60			62.10
	00.000202	1071010000	12.12	200170		00.00			02120
	36.835061	-107.816197	42.38	98.84	5/26/2015	37.74	37.54	0.20	61.24
	36.835061	-107.816197	42.38	98.84	5/27/2015	37.72	37.52	0.20	61.26
	36.835061	-107.816197	42.38	98.84	6/1/2015	37.83	37.48	0.35	61.26
	36.835061	-107.816197	42.38	98.84	6/3/2015	37.52	37.20	0.32	61.55
	36.835061	-107.816197	42.38	98.84	6/5/2015	37.91	37.47	0.44	61.25
MW-3	36.835061	-107.816197	42.38	98.84	6/8/2015	37.80	37.45	0.35	61.29
MINA-2	36.835061	-107.816197	42.38	98.84	6/10/2015	37.77	37.42	0.35	61.32
	36.835061	-107.816197	42.38	98.84	6/16/2015	38.06	37.37	0.69	61.28
	36.835061	-107.816197	42.38	98.84	6/24/2015	38.14	37.31	0.83	61.30
	36.835061	-107.816197	42.38	98.84	6/25/2015	38.05	37.36	0.69	61.29
	36.835061	-107.816197	42.38	98.84	6/30/2015	38.03	37.34	0.69	61.31
	36.835061	-107.816197	42.38	98.84	12/2/2015	39.07	36.69	2.38	61.48
	36.83552	-107.816127	42.23	100.72	5/26/2015	39.66			61.06
	36.83552	-107.816127	42.23	100.72	5/27/2015	39.22			61.50
	36.83552	-107.816127	42.23	100.72	5/28/2015	39.63			61.09
	36.83552	-107.816127	42.23	100.72	6/1/2015	38.38			62.34
	36.83552	-107.816127	42.23	100.72	6/3/2015	37.52			63.20
	36.83552	-107.816127	42.23	100.72	6/5/2015	36.62			64.10
MW-4	36.83552	-107.816127	42.23	100.72	6/8/2015	35.75			64.97
	36.83552	-107.816127	42.23	100.72	6/10/2015	35.49			65.23
	36.83552	-107.816127	42.23	100.72	6/16/2015	35.49			65.23
	36.83552	-107.816127	42.23	100.72	6/24/2015	35.44		-	65.28
	36.83552	-107.816127	42.23	100.72	6/25/2015	35.43			65.29
	36.83552	-107.816127	42.23	100.72	6/30/2015	35.40			65.32
	36.83552	-107.816127	42.23	100.72	12/2/2015	34.92			65.80
	26 925207	107 010204	42.20	101.34	C/DE/DOAF	20.07			62.24
	36.835297	-107.816264	42.20	101.21	6/25/2015	38.87			62.34
MW-5	36.835297	-107.816264	42.20	101.21	6/30/2015	38.85			62.36
	36.835297	-107.816264	42.20	101.21	7/1/2015	38.85			62.36
	36.835297	-107.816264	42.20	101.21	12/2/2015	38.69			62.52

Relative Elevation based on Middle Flange of Florance GC J 16A Gas Well set at 100.00

Depth to water measured from casing top of monitor well. NM Not Measured

- ft

feet TOC

Top of Casing 0.72 specific gravity used for corrected groundwater elevations (1)



Williams Four Corners LLC Closure Plan - Below Grade Tanks San Juan Basin – New Mexico

In accordance with Rule 19.15.17.13 of the New Mexico Administrative Code (NMAC), the following information describes the general closure requirements of Below Grade Tanks (BGTs) on Williams Four Corners LLC (Williams) locations. This is Williams' standard procedure for all BGTs. Any BGTs with or without completely visible sidewalls, and that do not meet current design standards, shall be closed or retrofitted to meet current design standards prior to sale, transfer, or change of Operator.

A separate closure plan will be submitted for any BGT closure which does not conform to this plan.

Certain BGTs targeted under this closure plan were, in some cases, installed subsequent to earthen pit closures and were constructed in conformance with New Mexico Oil Conservation Division (NMOCD) approved criteria. All BGTs have been operating in general compliance with NMOCD regulations developed prior to the new Pit Rule enacted in June 2013.

General Requirements:

- 1. Williams shall not commence closure of any BGT without first obtaining approval of the closure plan submitted with the permit application or registration pursuant to 19.15.17.9 NMAC.
- Williams shall close a BGT pursuant to the closure requirements of 19.15.17.13 NMAC within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include:
 - Within 60 days of closure completion: for all permitted BGTs; or
 - Immediately: If Williams discovers that any BGT does not demonstrate integrity, it shall be promptly drained, removed from service and closed.
 - Within 48 hours of discovery of any leak: If Williams discovers that the BGT develops a leak, or develops any of the conditions identified in Paragraph (5) of Subsection A of 19.15.17.12 NMAC. Williams shall remove all liquid above the damage or leak within 48 hours of discovery, notify the appropriate NMOCD office pursuant to 19.15.29 NMAC and repair the damage or replace the BGT as applicable.
 - An earlier date that the NMOCD requires because of imminent danger to fresh water, public health or the environment.
 - A single walled BGT constructed and installed prior to June 16, 2008 that has the side walls open for visual inspection and that does not meet: all the requirements in Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC is not required to be equipped or retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC so long as it demonstrates integrity.

 A double walled BGT constructed and installed prior to June 16, 2008 and which does not meet all the requirements in Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC is not required to be equipped or retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC so long as it demonstrates integrity.

Closure Notice

- 3. Williams shall notify the surface owner by certified mail, return receipt requested that the operator plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include well name, API number and location. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records will be provided with the closure report to demonstrate compliance with this requirement.
- 4. Williams shall notify the appropriate NMOCD district office verbally and in writing at least 72 hours, but not more than one week, prior to any closure operation. The notice shall include the operator's name and the location to be closed by unit letter, section, township and range. If the closure is associated with a particular well, then the notice shall also include the well's name, number, and API number.
- 5. If, state, federal or tribal lands are involved, Williams will notify the appropriate agency or land office prior to BGT closure, as applicable.

Closure Methods

- 6. Within 60 days of cessation of operations, Williams shall remove liquids and sludge from a BGT prior to implementing a closure method and shall dispose of the liquids and sludge in a NMOCD-approved facility.
- 7. Within six months of cessation of operations, Williams shall remove the BGT and dispose of it in a NMOCD-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate NMOCD district office approves. Waste Materials and Disposal Facilities are summarized below:

Waste Materials	Disposal Facility						
Steel Tank	San Juan County Landfill (NMED Registration Number 241102) or Steel Recycling						
Fiberglass Tank	San Juan County or Bondad Landfill (V-SU=0047-07.00) * or Re-use						
Liner (cleaned – absent soil / sludge)	San Juan County or Bondad Landfill						
Sludge	Envirotech (Permit #NM-01-011), IEI (NM01-0010B), or TNT landfarms (Permit # NM-01-008), or Bondad Landfill						
Liquids (Water / Hydrocarbons)	Basin Disposal (Permit #NM-01-005), Key Energy, TNT landfarm						
Contaminated Soil	Envirotech, IEI, or TNT landfarms, or Bondad Landfill						
Fencing / Miscellaneous	Re-use or scrap						

Summary of Waste Materials and Disposal Facilities

*The tank must be empty, cut up or shredded and EPA clean

8. If there is any equipment associated with a BGT, then Williams shall remove the

equipment, unless the equipment is required for some other purpose.

- Williams shall visually inspect the area beneath the BGT and document any areas that are wet, discolored or showing other evidence of a release on form C-141.
- 10. Williams shall collect, at a minimum, a five point, composite sample from any obvious stained or wet soils, or where other evidence of contamination is observed under the BGT and analyze for the constituents listed in Table I of 19.15.17.13 NMAC (below).
- If any contaminant concentration is higher than the parameters listed in Table I of 19.15.17.13 NMAC, the NMOCD may require additional delineation upon review of the results and Williams must receive approval before proceeding with closure.
- 12. If there is no wet or discolored soil or if the concentration of contaminants in the wet or discolored soil is less than the standard set forth in Table I of 19.15.17.13 NMAC, then Williams shall proceed with the closure requirements of 19.15.17.13 NMAC.

		Table I low-Grade Tanks, Drying Pads Associa Pits where Contents are Removed	ted with
Depth below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
	Chloride	EPA 300.0	600 mg/kg
≤50 fieet	ТРН	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	10,000 mg/kg
51 feet-100 feet	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	20,000 mg/kg
> 100 feet	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

*Or other test methods approved by the division

**Numerical limits or natural background level, whichever is greater

Site Reclamation

- 13. All areas disturbed by the closure of BGTs, except areas reasonably needed for production operations or for subsequent drilling operations, shall be reclaimed as early and as nearly as practicable to their original condition or their final land use and shall be maintained to control dust and minimize erosion to the extent practicable.
- 14. Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area then shall be reseeded in the first favorable growing season following closure of a BGT.
- 15. Reclamation of all disturbed areas no longer in use shall be considered complete when all ground surface disturbing activities at the site have been completed, and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.
- 16. The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supersede NMOCD provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health and the environment.
- 17. Williams shall notify the NMOCD when reclamation and re-vegetation are complete.

Closure Report

- Within 60 days of BGT closure completion, Williams shall submit a closure report on form C-144, with necessary attachments to document all closure activities including
 - Proof of closure notice
 - Sampling results;
 - Information required by 19.15.17 NMAC;
 - Details on back-filling, capping and covering, where applicable;
 - Re-vegetation application rates and seeding techniques; and
 - Photo documentation of the site reclamation.
- 19. In the closure report, Williams shall certify that all information in the report and attachments is correct and that Williams has complied with all applicable closure requirements and conditions specified in the approved closure plan.