Form C-144 July 21, 2008

District I 1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 88210

1220 S. St. Francis Dr., Santa Re NIA 87505

1000 Rio Brazos Road, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Department

Oil Conservation Division

1220 South St. Francis Dr. FM 1 23 Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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
	Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Modification to an existing permit
	Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,
below-grade tank	x, 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.

Operator: Chevron Midcontinent, LP OGRID #: 241333
Address: P.O. Box 36366 Houston, TX 77236
Facility or well name: _Alberding 3 #002
API Number: _30-045-28792 OCD Permit Number:
U/L or Qtr/Qtr _Qtr/Qtr H Section 3 Township 31 N Range _13W County: _San Juan
Center of Proposed Design: Latitude 36 558898° Longitude 108.111349° NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
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: Thicknessmil LLDPE HDPE PVC Other
Liner Seams: Welded Factory Other
4.
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 95bblbbl Type of fluid: Produced Water
Tank Construction material: <u>Steel</u>
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmil
5.
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
Submitted of an exception request is required. Exceptions must be submitted to the Santa re environmental dureau office for consideration of approval.

6. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, 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,
institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet	
☑ Alternate. Please specify Four foot, pipe frame with square wire mesh.	
7.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	
8	
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 19.15.3.103 NMAC	
9. Administrative Approvals and Exceptions:	
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau	office for
consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration 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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying 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.	priate district pproval.
 Please reference hydrogeologic report and printout from iWATERS database. 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). - Please reference the attached topographic map with distance rings. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no watercourses within the distance specified above.	☐ Yes ☑ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Please reference the attached aerial photo. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no referenced buildings within the distance specified above.	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
 (Applies to permanent pits) Please reference the attached aerial photo. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no referenced buildings within the distance specified above. 	Z NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - Please reference the attached iWATERS printout. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no wells or springs within the distances specified above.	⊠ 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.	Yes No
The site is not within any known incorporated municipal boundaries, please reference the attached topographic map.	☐ Yes ☒ No
 Within 500 feet of a wetland. Please reference the attached topographic map with distance rings. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no wetlands within the distance specified above 	☐ Yes ☑ No
Within the area overlying a subsurface mine. - Please reference the attached topographic map	☐ Yes ☒ No
Within an unstable area. - Please reference the attached topographic map which includes FEMA flood map data. The map indicates the well site is outside of any known 100 year floodplains.	Yes □ No
Within a 100-year floodplain.	☑ 1e2 ☐ 140

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. 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 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC
and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
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 documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan 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
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 □ Closed-loop System □ 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Maste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the 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 F 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 I of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee	1 Tanks or Haul-off Bins Only: (19.15.17.13.D	O NMAC)					
Instructions: Please indentify the facility or facilities for the disposal of liquids, drill facilities are required.	ing fluids and drill cuttings. Use attachment if n	nore than two					
	posal Facility Permit Number:						
Disposal Facility Name: Disposal Facility Permit Number:							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations? Yes (If yes, please provide the information below) No							
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection 6	19.15.17.13 NMAC	C					
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the clos provided below. Requests regarding changes to certain siting criteria may require an considered an exception which must be submitted to the Santa Fe Environmental Bu demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for g	ministrative approval from the appropriate distr reau office for consideration of approval. Justi	rict office or may be					
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data ob	tained from nearby wells	Yes No					
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data ob	tained from nearby wells	Yes No					
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 ob	tained from nearby wells	Yes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significal lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ant watercourse or lakebed, sinkhole, or playa	Yes No					
Within 300 feet from a permanent residence, school, hospital, institution, or church in easier Visual inspection (certification) of the proposed site; Aerial photo; Satellite im		☐ Yes ☐ No					
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site							
Within incorporated municipal boundaries or within a defined municipal fresh water wadopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval of		Yes No					
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual in	spection (certification) of the proposed site	☐ Yes ☐ No					
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and	l Mineral Division	☐ Yes ☐ No					
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Society; Topographic map	Mineral Resources; USGS; NM Geological	☐ Yes ☐ No					
Within a 100-year floodplain FEMA map		☐ Yes ☐ No					
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the for by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Sul Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) Protocols and Procedures - based upon the appropriate requirements of 19.15.17 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sub Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill Soil Cover Design - based upon the appropriate requirements of Subsection H of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection I of	ments of 19.15.17.10 NMAC posection F of 19.15.17.13 NMAC priate requirements of 19.15.17.11 NMAC - based upon the appropriate requirements of 19. 13 NMAC ments of Subsection F of 19.15.17.13 NMAC section F of 19.15.17.13 NMAC cuttings or in case on-site closure standards cannot 19.15.17.13 NMAC	15.17.11 NMAC					

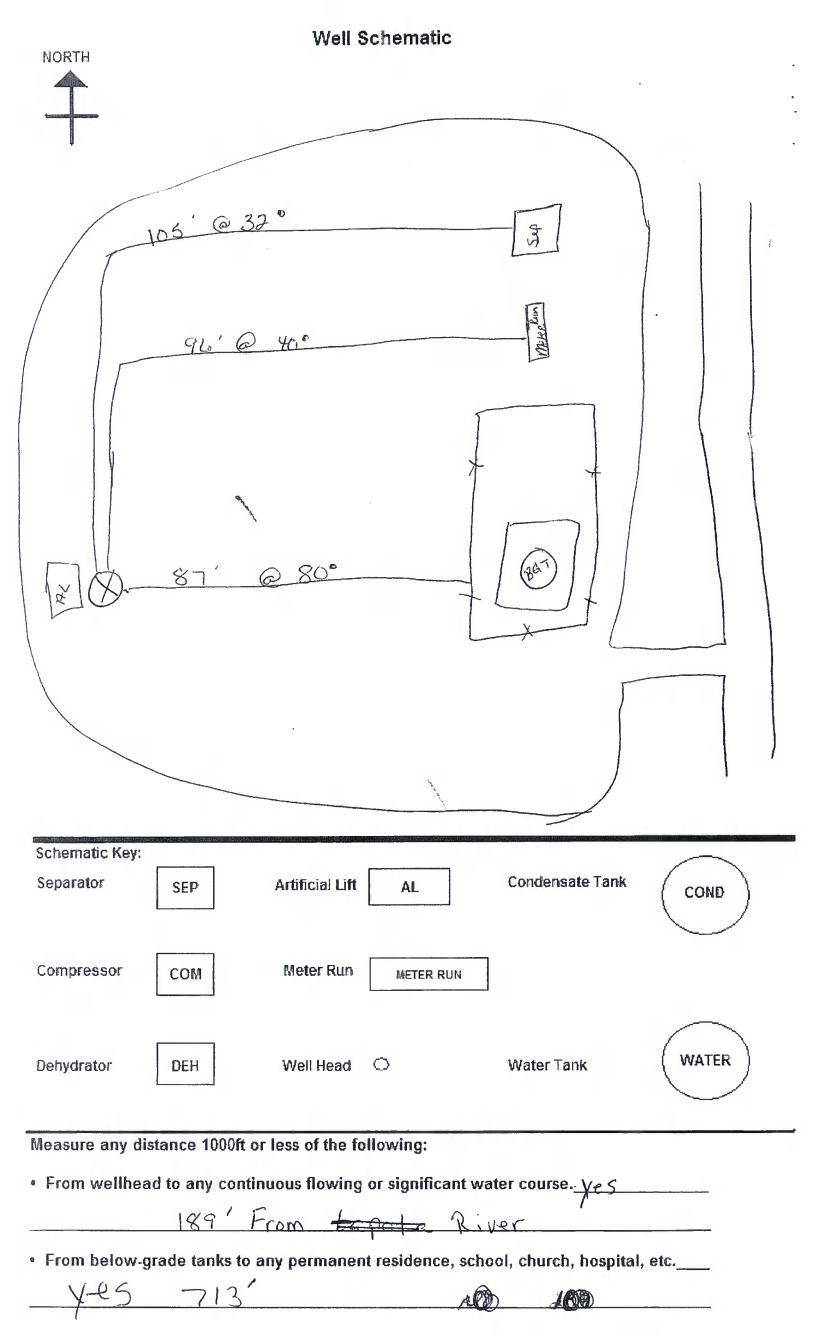
19.	
Operator Application Certification:	
I hereby certify that the information submitted with this application is	true, accurate and complete to the best of my knowledge and belief.
Name (Print): Rodney Bailey	Title: Waste & Water Group Lead
Signature: Today Banky	Date: March 1, 2010
e-mail address: Bailerg@chevron.com	Telephone: (432) 687 7123
20.	
OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Approval Date:
Title:	OCD Permit Number:
21.	
Closure Report (required within 60 days of closure completion):	Subsection K of 19.15.17.13 NMAC plan prior to implementing any closure activities and submitting the closure report.
The closure report is required to be submitted to the division within the	60 days of the completion of the closure activities. Please do not complete this
section of the form until an approved closure plan has been obtained	
	Closure Completion Date:
22.	
Closure Method:	
If different from approved plan, please explain.	☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
23.	
	op Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please indentify the facility or facilities for where the l	iquids, drilling fluids and drill cuttings were disposed. Use attachment if more than
two facilities were utilized.	
Disposal Facility Name:	
Disposal Facility Name:	
Were the closed-loop system operations and associated activities performed Yes (If yes, please demonstrate compliance to the items below)	ormed on or in areas that <i>will not</i> be used for future service and operations? No
Required for impacted areas which will not be used for future service of	and operations:
☐ Site Reclamation (Photo Documentation) ☐ Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
24.	
	following items must be attached to the closure report. Please indicate, by a check
mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division)	
Proof of Deed Notice (required for on-site closure)	
Plot Plan (for on-site closures and temporary pits)	
☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-sit	te closure)
Disposal Facility Name and Permit Number	a closure)
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	
	Longitude NAD: □1927 □ 1983
25.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure.	his closure report is true, accurate and complete to the best of my knowledge and
Name (Print):	Title:
Signature:	Date:
orginature	Date.
e-mail address:	Telephone:

		DICE INVENTORY SHEET	
٥	Well Name & Number: A Day	ding 3-2	DATE: 7-23-08
9	API#: 300 4528792	_]	Initials: mp
0	Lease #:		WPT Alberdings-2
•	Quarter/Quarter: H Sec	etion: 3 Township:	31N Range: \$ 13W
•	Lat:.№36.5588981	Long: W 108.111349	_
0	Pit Tank #1: Manufacturer: E	aple welding J	nc on
	Pit Tank #1: Manufacturer: E. Serial #:8103	DOM: 8: - 04	Size 95 bbl
	o If N/A – Dimensions: Dian	neter 12	Height_lo
•	Material: Steel 1	Galvanized	Fiberglass
•	Tank Configuration: Double Wal	l(Bı	uried_ or Exposed_ Walls)
•	Contents: Produced Water	Condensate Recy	cled Oil
•	Tank Top Covering: Solid/Cone-	top Netting (Solid_	Fiber_)
•	Secondary Containment: Yes		
9	Fencing around berm: Yes		
	o Fence Type: Cattle Panel_	Field Fence	Barbwire
•	Pit Tank #2: Manufacturer:		
•	Serial #:		
	o If N/A – Dimensions: Dian		Height
•	Material: Steel		Fiberglass
•	Tank Configuration: Double Wal	Single Wall(Bu	ried or ExposedWalls)
•	Contents: Produced Water		
•	Tank Top Covering: Solid/Cone-t		_ Fiber)
•	Secondary Containment: Yes	No	
0	Fencing around berm: Yes	No	
	 Fence Type: Cattle Panel_ 	Field Fence	Barbwire
6		facturer	
9	Serial #:	DOM:	bbl
	o If N/A – Dimensions: Diam	/	Height
0	Material: Steel	/	Fiberglass
0	Contents: Produced Water		
•	Secondary Containment: Yes	No	
	Above Go NE 1 1/2 NO		
0	Above-Ground Tank #2: Manu Serial #:	facturer:	
•	,		Sizebbl
•	o If N/A – Dimensions: Diam Material: Steel		Height
	Contents: Produced Water		Fiberglass
	Secondary Containment: Yes		Kecycled Oil
	Conduit Contamination 165	110	
9	Above-Ground Tank #3: Manu	facturer:	
	Serial #:		Size bbl
	o If N/A – Dimensions: Diame	d 19	bbl Heightbbl
0	Material: Steel	Galvanized	Fiberglass
			Prince

Contents: Produced Water____ Condensate____ (State #___

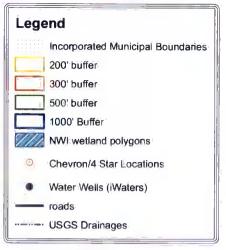
Secondary Containment: Yes____ No_

_____ Recycled Oil____



Alberding 3-2 API # 30-045-2879





0 0.02 0.04 0.08 0.12 0.16 Miles

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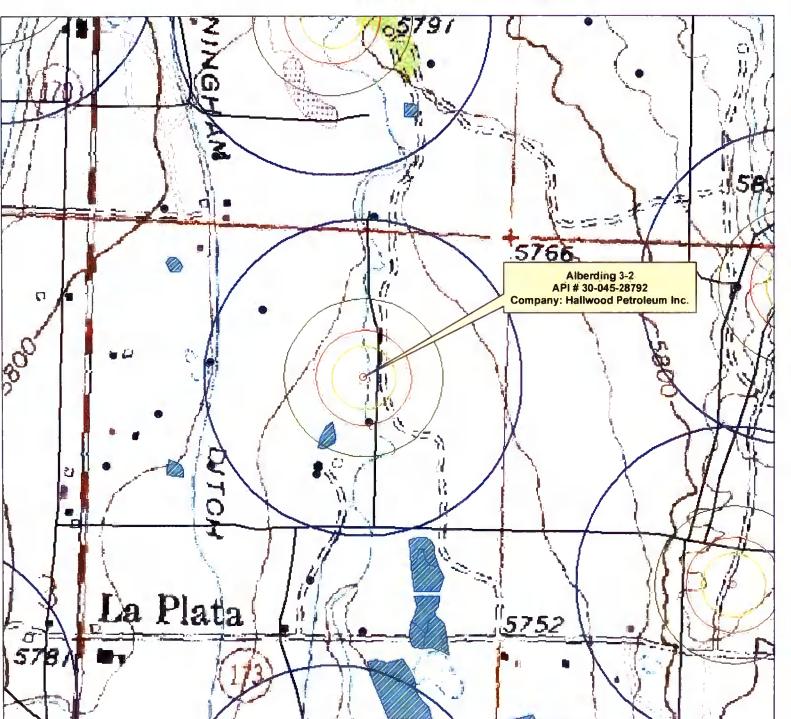
ANY DATA OR ROBOTOMENTON PROVIDED BY THESE AMPS IS
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Human Energy



Alberding 3-2 API # 30-045-2879







Declariner. Date presented in the maps has been obtained or notificed from data evaluable from many different environmental originame, installing data gashemal from regional observations by chindrate from Detachment. Outside data sources include his NM OSS, Whaten Detachment, Outside data Outside Owerdrangie Maps.

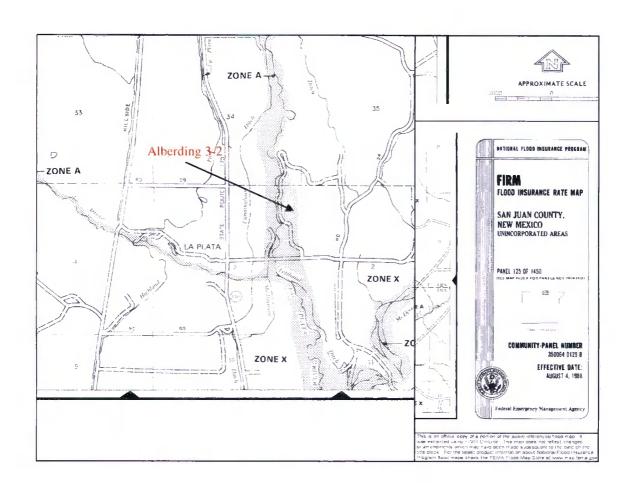
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ANY DATA OR INFORMATION PROVIDED BY THESE MAPS IS "As IS "WITHOUT WARRANT OF ANY WIND, EITHER!" DEPRESSED OR MAIR &D. INCLUDING, BUT NOT LABET DIO, THE LIMBLED WARRANT OF ANY WIND, EITHER DEPRESSED OR MAIR &D. INCLUDING, BUT NOT LABET DIO, THE LIMBLED WARRANT SO FAMELY CONTROLLING WARRANT OF UNITED THE ANY WARRANT OF AN





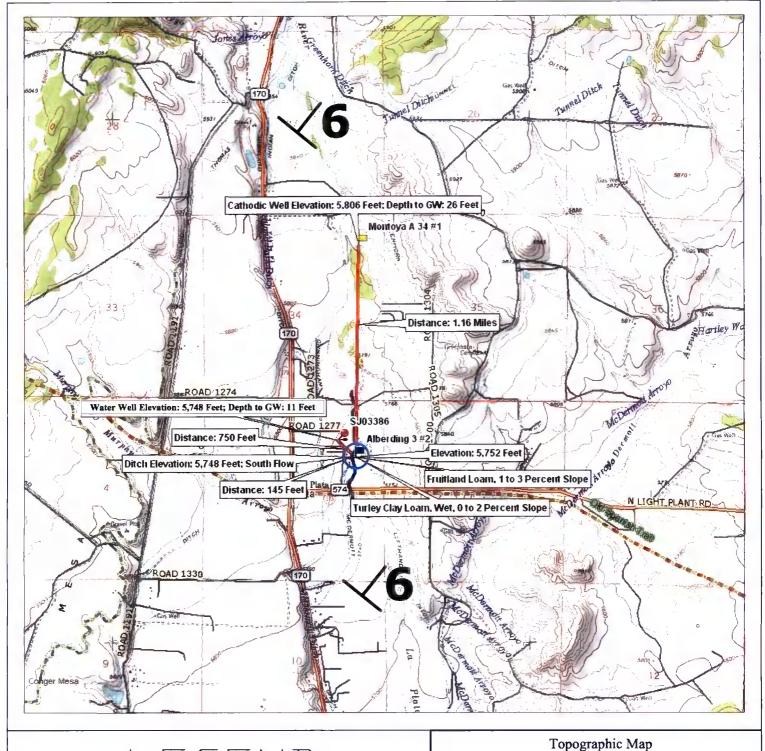
Alberding 3-2 API # 30-045-28792 NE ¹/₄ NE ¹/₄ Sec. 3 T31N R13W



Alberding 3 #2 Groundwater Statement

The attached iWATERS database search and topographic map shows a water well approximately 750 feet to the north-west with a depth to groundwater of 11 feet. This water well is labeled on the topographic map with a red point. As evidenced on the attached topographic map, the water well is at an elevation approximately 4 feet lower than the Alberding 3 #2 well site, which is represented by a blue flag on the topographic map. The attached cathodic well data sheet for a cathodic well drilled in 1990 for the Montoya A-34 #1 well site, owned and operated by Energen Resources Corporation, shows that groundwater was encountered at 26 feet. This cathodic well data sheet is stamped as being accepted by the OCD in January of 1991. The Montoya A-34 #1 well site is approximately 1.16 miles north of the Alberding 3 #2 well site and is approximately 54 feet higher in elevation. The Montoya A-34 #1 well site is labeled on the topographic map with a yellow flag. The soil types at the Alberding 3 #2 well site are the Fruitland Loam, 1 to 3 percent slope and the Turley Clay Loam, wet, 0 to 2 percent slope. The Fruitland Loam is a well drained soil, characterized by loamy material and a moderately high to high available water capacity. The Turley Clay Loam is a moderately well drained soil, characterized by clayey material and a high available water capacity. The nearest surface water is the McDermott Ditch approximately, 145 feet to the west of the Alberding 3 #2 well site at an elevation of 5,748 feet. This is a south flowing ditch that is used for irrigation. The Alberding 3 #2 well site lies in the Ojo Alamo Sandstone Formation Aquifer which dips at 6 degrees to the north-east (Frenzel, 1983); see Topographic Map for aquifer dip direction. The Ojo Alamo Sandstone Formation dips towards the basin center to a maximum depth of 3.645 feet (Frenzel, 1983). These findings give definitive proof that the depth to groundwater may not be greater than 50 feet from the bottom of the BGT at the Alberding 3 #2 well site. All above information, excluding the aguifer dip, was confirmed by a visual inspection performed by Envirotech. Inc.

The **Ojo Alamo Sandstone (Toa)** of Paleocene age is the basal Tertiary unit within the eastern San Juan Basin and grades into the overlying silts and clays of the Nacimientos/Animas Formations (Brimhall, 1983, p. 200). The Ojo Alamo disconformably overlies the Kirtland Shale in the subsurface although in some places along the eastern side of the basin, the Ojo Alamo unconformity completely cut out the Kirtland to Fruitland Formations and rests directly on the Lewis Shale (Fassett, 1974, p. 228). The thickness of the overall section ranges from 72 to 313 feet (Stone, etal, 1983, p. 31). The unit is comprised predominantly a cross-bedded, moderately consolidated, medium to very coarse-grained, frequently pebbly immature lithic conglomeratic sandstones (Stone, etal, 1983, p. 31). The depositional environment of the sandstone beds is fluvial (Fassett, 1973) and interbedded with clay and silt beds. Where it structurally outcrops along a narrow band, the Ojo Alamo forms well-pronounced cliffs.



LEGEND

Alberding 3 #2
Sec 3, Twp 31N, Rge 13W
San Juan County, New Mexico

6 Dip

V Irrigation Ditch

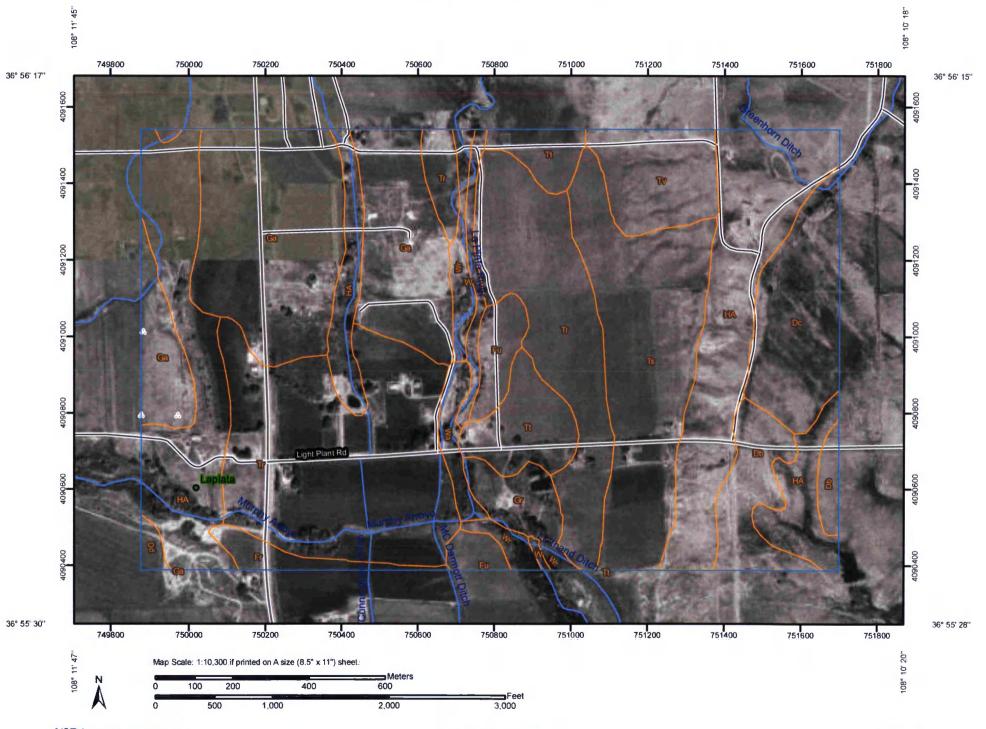
) Well Area Soil Type

Distance

SCA	LE: NT	rs		FIGURE	FIGURE NO. 1						
PRO	JECT NO	92270-	-0342		FIGURE NO. I						
				REVISIO	ONS						
NO.	DATE	BY			DESCRIPTION	N					
MAP	DRWN	TLM		DATE	5/18/09						



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

Blowout

Borrow Pit

※ Clay Spot

Closed Depression

Gravel Pit

.. Gravelly Spot

Candfill

∧ Lava Flow

Marsh or swamp

☆ Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Very Stony Spot

Wet Spot

Other

Special Line Features

200

Gully

Short Steep Slope

Other

Political Features

.

Cities

Water Features



Oceans

~

Streams and Canals

Transportation

111

Rails

-

Interstate Highways

1

US Routes



Major Roads



Local Roads

MAP INFORMATION

Map Scale: 1:10,300 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:63,360.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 12N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Juan County, New Mexico, Eastern Part Survey Area Data: Version 9, Feb 20, 2009

Date(s) aerial images were photographed: 10/13/1997; 6/30/2005

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

San Juan County, New Mexico, Eastern Part (NM618)							
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI				
Db	Doak loam, 1 to 3 percent slopes	18.7	3.6%				
Dc	Doak loam, 3 to 5 percent slopes	29.0	5.6%				
Dd	Doak clay loam, 0 to 2 percent slopes	1.7	0.3%				
Fr	Fruitland sandy loam, 0 to 2 percent slopes	5.8	1.1%				
Fu	Fruitland loam, 1 to 3 percent slopes	10.8	2.1%				
Ga	Garland loam	92.6	17.8%				
Gr	Green River fine sandy loam	9.1	1.8%				
НА	Haplargids-Blackston-Torriorthents complex, very steep	108.9	21.0%				
Tr	Turley clay loam, 1 to 3 percent slopes	125.7	24.2%				
Ts	Turley clay loam, 3 to 5 percent slopes	55.4	10.7%				
Tt	Turley clay loam, wet, 0 to 2 percent slopes	21.1	4.1%				
Tv	Turley-Slickspots complex, 0 to 3 percent slopes	19.0	3.7%				
W	Lakes, rivers, reservoirs	5.3	1.0%				
Wa	Walrees loam	5.6	1.1%				
Wr	Werlog loam	10.0	1.9%				
Totals for Area of Inte	rest	518.9	100.0%				

San Juan County, New Mexico, Eastern Part

Fu—Fruitland loam, 1 to 3 percent slopes

Map Unit Setting

Elevation: 4,800 to 6,000 feet

Mean annual precipitation: 6 to 10 inches

Mean annual air temperature: 51 to 55 degrees F

Frost-free period: 140 to 160 days

Map Unit Composition

Fruitland and similar soils: 95 percent

Description of Fruitland

Setting

Landform: Alluvial fans, stream terraces

Landform position (three-dimensional): Tread, rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Alluvium derived from sandstone and shale

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/

cm)

Sodium adsorption ratio, maximum: 2.0

Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 7e

Ecological site: Loamy (R035XB001NM)

Typical profile

0 to 8 inches: Loam

8 to 60 inches: Sandy loam

Data Source Information

Soil Survey Area: San Juan County, New Mexico, Eastern Part

Survey Area Data: Version 9, Feb 20, 2009



San Juan County, New Mexico, Eastern Part

Tt—Turley clay loam, wet, 0 to 2 percent slopes

Map Unit Setting

Elevation: 4,800 to 6,000 feet

Mean annual precipitation: 6 to 10 inches

Mean annual air temperature: 51 to 55 degrees F

Frost-free period: 140 to 160 days

Map Unit Composition

Turley variant and similar soils: 90 percent

Description of Turley Variant

Setting

Landform: Alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Fan alluvium derived from sandstone and shale

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: About 24 to 60 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 2 percent

Maximum salinity: Nonsaline to very slightly saline (2.0 to 4.0 mmhos/

cm)

Sodium adsorption ratio, maximum: 2.0

Available water capacity: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): 2w

Land capability (nonirrigated): 6w

Ecological site: Clayey (R035XB004NM)

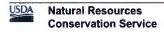
Typical profile

0 to 9 inches: Clay loam 9 to 60 inches: Clay loam

Data Source Information

Soil Survey Area: San Juan County, New Mexico, Eastern Part

Survey Area Data: Version 9, Feb 20, 2009





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

(quarters are 1=NW 2=NE 3=SW 4=SE)

			(qua	rter	s a	re s	smalle	est to I	argest)	(NAD83	3 UTM in m	eters)	(1	n feet)	
POD Number	Sub basin Us	se	County		Q 16			Tws	Rng	x	Y	Distance	Depth I Well \		Water Column
SJ 03386	DC	MC	SJ			2	03	31N	13W	216185	4092159*	130	80	11	69
SJ 02879	DC	MC	SJ	2	3	2	03	31N	13W	216083	4092057*	269	30		
SJ 02990	DC	MC	SJ	4	3	2	03	31N	13W	216083	4091857*	417	100	22	78
SJ 02577	DO	MC	SJ		4	4	34	32N	13W	216409	4092731*	530	30	15	15
SJ 03137	S ⁻	ΓK	SJ	3	3	2	03	31N	13W	215883	4091857*	550	50		
SJ 02783	DC	MC	SJ	4	3	3	35	32N	13W	216909	4092611*	724	62	48	14
SJ 01943	IF	RR	SJ			4	34	32N	13W	216209	4092951*	746	8	3	5
SJ 02590	DC	MC	SJ	3	2	1	02	31N	13W	217099	40922011	794	114	70	44
SJ 02589	DC	MC	SJ	2	3	3	35	32N	13W	216909	4092811	851	60	35	25
SJ 03635	DC	MC	SJ	4	2	4	34	32N	13W	216523	4093046	863	44	35	9
SJ 02901	DC	MC	SJ	2	2	4	34	32N	13W	216523	4093246	1058	50		
SJ 03090	DC	MC	SJ	1	1	3	35	32N	13W	216725	40932321	1104	59	47	12
SJ 01079	DC	MC	SJ		3	3	34	32N	13W	215206	4092785	1239	100	30	70
SJ 00089	IF	RR	SJ	1	1	2	10	31N	13W	215849	40908501	1434	80	18	62
SJ 03037	DO	MC	SJ	3	4	1	34	32N	13W	215524	4093478	1488	100		

Average Depth to Water:

30 feet

Minimum Depth:

3 feet

Maximum Depth:

70 feet

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 216304.81

Northing (Y): 4092210.52

Radius: 1500

BELOW GRADE TANK (BGT) DESIGN AND CONSTRUCTION PLAN

SUBMITTED TO:

ENVIRONMENTAL BUREAU,

NEW MEXICO OIL CONSERVATION DIVISION

ON BEHALF OF:

CHEVRON USA INC., CHEVRON MIDCONTINENT, L.P., AND FOUR STAR OIL & GAS

COMPANY
P.O. Box 730

AZTEC, NEW MEXICO 87410

(505) 333-1901

Chevron

San Juan Basin

Below Grade Tank Design and Construction Plan

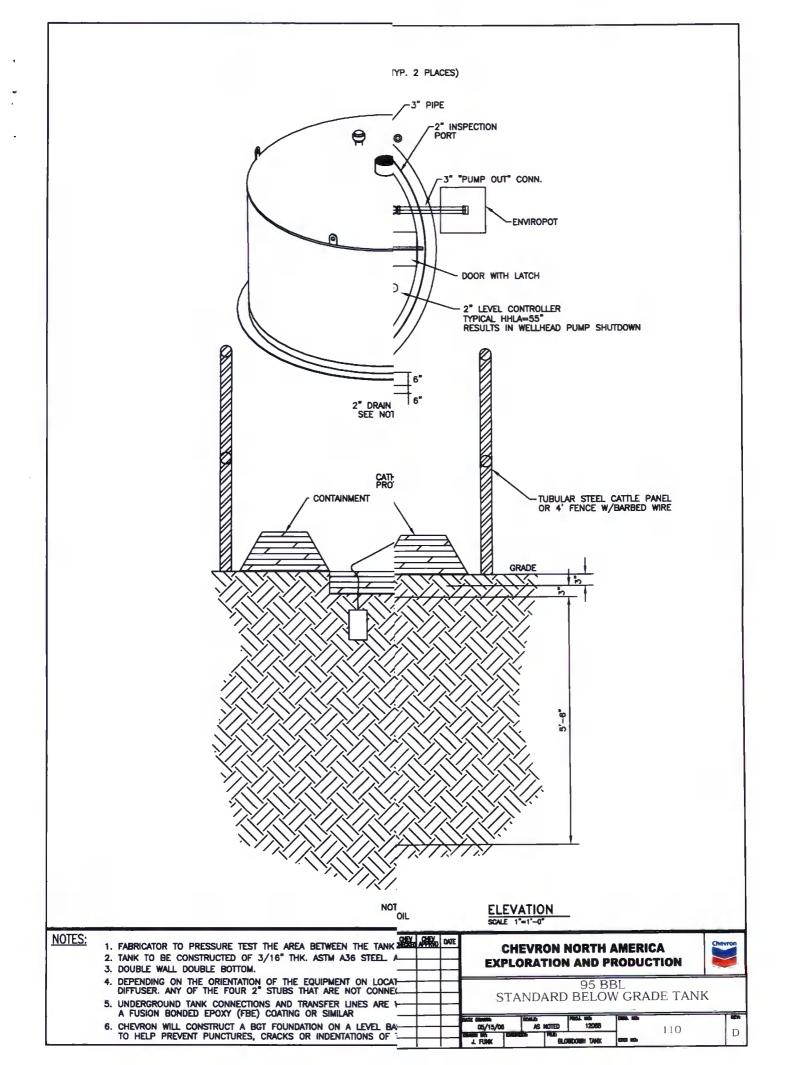
INTRODUCTION

In accordance with NMAC §§ 19.15.17.9(B)(4) and 19.15.17.11 Chevron (representing Chevron USA Inc, Chevron Midcontinent, L.P., and Four Star Oil & Gas Company) submits this Design and Construction Plan for below grade tanks (BGTs) in New Mexico. This Plan contains standard conditions that attach to multiple BGTs.

- 1. Chevron will design and construct a BGT to contain liquids and solids, prevent contamination of fresh water, and protect public health and the environment. NMAC § 19.15.17.11(A).
- 2. Chevron will post an upright sign not less than 12 inches by 24 inches with lettering not less than two inches in height in a conspicuous place on the fence surrounding the BGT, unless the BGT is located on a site where there is an existing well, signed in compliance with NMAC § 19.15.16.8, that is operated by Chevron. Chevron will post the sign in a manner and location such that a person can easily read the legend. The sign will provide the following information: Chevron's name; the location of the site by quarter-quarter or unit letter, section, township and range; and emergency telephone numbers. NMAC § 19.15.17.11(C).
- 3. Chevron will fence or enclose a BGT in a manner that prevents unauthorized access and will maintain the fences in good repair. Fences are not required if there is an adequate surrounding perimeter fence that prevents unauthorized access to the well site or facility, including the BGT. NMAC § 19.15.17.11(D)(1).
- 4. Chevron will fence or enclose a BGT located within 1000 feet of a permanent residence, school, hospital, institution or church with a chain link security fence, at least six feet in height with at least two strands of barbed wire at the top. Chevron will close and lock all gates associated with the fence when responsible personnel are not on-site. NMAC § 19.15.17.11(D)(2).
- 5. Chevron will fence BGTs to exclude livestock with a four foot fence that has at least four strands of barbed wire evenly spaced in the interval between one foot and four feet above ground level. NMAC § 19.15.17.11(D)(3). Chevron may install tubular steel cattle panels, as it determines appropriate (photo of cattle

- panel fence submitted to NMOCD, 24 June 2009). As illustrated on the attach photo.
- 6. Chevron will screen the permanent opening on the tank top with expanding steel mesh in order to render it non-hazardous to wildlife, including migratory birds. NMAC § 19.15.17.11(E).
- 7. Chevron's BGTs will be constructed with the design features illustrated on the attached drawing.
- 8. Only double-walled, double-bottomed BGTs will be installed.
- 9. Chevron will use 3/16" carbon steel which is resistant to the anticipated contents and resistant to damage from sunlight. NMAC § 19.15.17.11(I)(1).
- 10. Chevron will construct a BGT foundation on a level base free of rocks, debris, sharp edges or irregularities to help prevent punctures, cracks or indentations of the liner or tank bottom. NMAC § 19.15.17.11(I)(2).
- 11. Chevron will construct a BGT to prevent overflow and the collection of surface water run-on. NMAC § 19.15.17.11(I)(3). Chevron, or a contractor representing Chevron, will install a level control device to help prevent overflow from the BGT and will use berms and/or a diversion ditch to prevent surface run on from entering the BGT. NMAC §§ 19.15.17.11(I)(3), 19.15.17.12(A)(7), and 19.15.17.12(D)(1).
- 12. All BGTs, in which the side walls are not open for visible inspection for leaks, will be double walled with leak detection capability. NMAC § 19.15.17.11(I)(4)(b).
- 13. Chevron, as the operator of a below-grade tank constructed and installed prior to June 16, 2008 that does not meet all the requirements in Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC and is not included in Paragraph (6) of Subsection I of 19.15.17.11 NMAC, is not required to equip or retrofit the below-grade tank to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC so long as it demonstrates integrity. If the existing below-grade tank does not demonstrate integrity, the operator shall promptly remove that below-grade tank and install a below-grade tank that complies with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, as illustrated in the approved drawing. Chevron shall comply with the operational requirements of 19.15.17.12 NMAC.

14. Chevron, as the operator of a below-grade tank constructed and installed prior to June 16, 2008 that is single walled and where any portion of the tank sidewall is below the ground surface and not visible, shall equip or retrofit the below-grade tank to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, or close it, within five years after June 16, 2008. If the existing below-grade tank does not demonstrate integrity, Chevron shall promptly remove that below-grade tank and install a below-grade tank that complies with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, as illustrated in the approved drawing. Chevron shall comply with the operational requirements of 19.15.17.12 NMAC.



BELOW GRADE TANK (BGT) OPERATING AND MAINTENANCE PLAN

SUBMITTED TO:

ENVIRONMENTAL BUREAU,

NEW MEXICO OIL CONSERVATION DIVISION

ON BEHALF OF:

CHEVRON USA INC., CHEVRON MIDCONTINENT, L.P., AND FOUR STAR OIL & GAS COMPANY

P.O. Box 730

AZTEC, NEW MEXICO 87410

(505) 333-1901

Chevron

San Juan Basin

Below Grade Tank Operating and Maintenance Plan

INTRODUCTION

In accordance with NMAC §§ 19.15.17.9(B)(4) and 19.15.17.12 Chevron (representing Chevron USA Inc, Chevron Midcontinent, L.P., and Four Star Oil & Gas Company) submits this Operating and Maintenance Plan (O&M Plan) for below grade tanks (BGTs) in New Mexico. This O&M Plan contains standard conditions that attach to multiple BGTs. If needed for a particular BGT, a modified O&M Plan will be submitted to the New Mexico Oil Conservation Division (NMOCD or the division) for approval prior to implementation.

GENERAL PLAN:

- 1. Chevron, or a contractor representing Chevron, will operate and maintain a BGT to contain liquids and solids to prevent contamination of fresh water and to protect public health and environment. NMAC § 19.15.17.12(A)(1).
- 2. Chevron will not discharge into or store any hazardous waste in a BGT. NMAC § 19.15.17.12(A)(3).
- 3. If a BGT develops a leak or is penetrated below the liquid surface, Chevron will remove liquid above the damage within 48 hours, notify the appropriate division district office within 48 hours of discovery and will promptly repair the BGT. If a BGT develops a leak Chevron will remove liquid above the damage within 48 hours, notify the appropriate division district office within 48 hours of discovery and will promptly repair or replace the BGT. If replacement is required, the BGT will meet all specification included in the attached approved design drawing and comply with 19.15.17.11(I)(1-4).
- 4. If Chevron as an operator of a below-grade tank that was constructed and installed prior to June 16, 2008 that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC and discovers that the below-grade tank does not demonstrate integrity or that the below-grade tank develops any of the conditions identified in Paragraph (5) of Subsection A of 19.15.17.12 NMAC, then Chevron or their representative shall close the existing below-grade tank pursuant to the closure requirements of 19.15.17.13 NMAC and install a below-grade tank that complies with the requirements of Paragraphs

- (1) through (4) of Subsection I of 19.15.17.11 NMAC. NMAC § 19.15.17.12(D)(5). If replacement is required, the BGT will meet all specification included in the attached approved design drawing.
- 5. If Chevron as the operator of the below-grade tank that was constructed and installed prior to June 16, 2008 that does not comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC and equips or retrofits the existing tank to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, then Chevron or their representative shall visually inspect the area beneath the below-grade tank during the retrofit and document any areas that are wet, discolored or showing other evidence of a release on form C-141. Chevron shall demonstrate to the division whether the evidence of contamination indicates that an imminent threat to fresh water, public health, safety or the environment exists. If the division determines that the contamination does not pose an imminent threat to fresh water, public health, safety or the environment, the operator shall complete the retrofit or the replacement of the below-grade tank. If Chevron or division determines that the contamination poses an imminent threat to fresh water, public health, safety or the environment, then Chevron shall close the existing below-grade tank pursuant to the closure requirements of 19.15.17.13 NMAC prior to initiating the retrofit or replacement. NMAC § 19.15.17.12(D)(6). If replacement is required, the BGT will meet all specification included in the attached approved design drawing.
- 6. Chevron, or a contractor representing Chevron, will use berms and/or diversion ditches to prevent surface run-on from entering the BGT by diverting surface water run-on away from the bermed area. NMAC §§ 19.15.17.12(A)(7) and 19.15.17.12(D)(1).
- 7. Chevron, or a contractor representing Chevron, will not allow a BGT to overflow and will maintain adequate freeboard on existing BGTs by routine inspections utilizing pumper trucks whose routes are timed based on known production rates. Fluid is pumped out on this schedule. For newly constructed BGTs Chevron, or a contractor representing Chevron, will maintain adequate freeboard by installing level control devices that automatically shut off inflow to alleviate potential overtopping. NMAC § 19.15.17.12(D)(1) and 19.15.17.12(D)(4).
- **8.** Chevron, or a contractor representing Chevron, will remove a visible or measurable layer of oil from the fluid surface of a BGT. NMAC § 19.15.17.12(D)(2).
 - 9. Chevron, or a contractor representing Chevron, will inspect the BGT to assess compliance with NMAC § 19.15.17.12, Operational Requirements, at least once monthly and maintain a written record of each inspection for at least five (5) years. The approved inspection form is attached.

Chevron: New Mexico Inspection Form for Below Grade Tanks

h	nspection	Date:

Below Grade Tank (BGT) Location:		
Does the BGT have adequate freeboard to prevent overflow;	yes	no
Does the tank have visible leaks or sign of corrosion;	yes	no
Do tank valves, flanges and hatches have visible leaks;	yes	no
Is there evidence of significant spillage of produced liquids;	yes	no
Is this a single of double wall tank;		· · ·
Are berms and/or diversion ditches in place to prevent surface		
run-on from entering the BGT;	yes	no
Have visible or measurable layers of oil been removed from		
liquid surface fluid:	ves	no

BELOW GRADE TANK (BGT) CLOSURE PLAN

SUBMITTED TO:

ENVIRONMENTAL BUREAU,

NEW MEXICO OIL CONSERVATION DIVISION

ON BEHALF OF:

CHEVRON USA INC., CHEVRON MIDCONTINENT, L.P., AND FOUR STAR OIL & GAS

COMPANY
P.O. Box 730

AZTEC, NEW MEXICO 87410

(505) 333-1901

Chevron San Juan Basin Below Grade Tank Closure Plan

INTRODUCTION

In accordance with NMAC §§ 19.15.17.9(B)(4) and 19.15.17.13, Chevron (representing Chevron USA Inc, Chevron Midcontinent, L.P., and Four Star Oil & Gas Company) submits this Closure Plan for below grade tanks (BGTs) in New Mexico. This Closure Plan contains standard conditions that attach to multiple BGTs. If needed for a particular BGT, a modified Closure Plan for a proposed alternative closure will be submitted to the New Mexico Oil Conservation Division (NMOCD or the division) for approval prior to closure.

CLOSURE PLAN PROCEDURES AND PROTOCOLS (NMAC §§ 19.15.17.9(C) and 19.15.17.13).

- 1) Chevron, or a contractor acting on behalf of Chevron, will close a BGT within the time periods provided in NMAC § 19.15.17.13(A), or by an earlier date required by NMOCD to prevent an imminent danger to fresh water, public health, or the environment. NMAC § 19.15.17.13(A).
- 2) Chevron, or a contractor acting on behalf of Chevron, will close an existing BGT that does not meet the requirements of NMAC § 19.15.17.11(I)(1 through 4) or is not included in NMAC § 19.15.17.11(I)(5) within five years after June 16, 2008, if not retrofitted to comply with § 19.15.17.11(I)(1 through 4). NMAC § 19.15.17.13(A)(4).
- 3) Chevron shall close an existing below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not retrofitted to comply with Paragraphs 1) through (4) of Subsection I of 19.15.17.11 NMAC, prior to any sale or change of operator pursuant to 19.15.9.9 NMAC.
- 4) Chevron, or a contractor acting on behalf of Chevron, will close a permitted BGT within 60 days of cessation of the BGT's operation or as required by the transitional provisions of NMAC § 19.15.17.17(B) in accordance with a closure plan that the appropriate division district office approves. NMAC §§ 19.15.17.13(A)(9) and 19.15.17.9(C).
- 5) In accordance with NMAC § 19.15.17.13(J)(1), Chevron will notify the surface owner by certified mail, return receipt requested, of its plans to close a BGT prior to beginning closure activities. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance. Chevron will also notify the appropriate division district office verbally or by other means 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. NMAC § 19.15.17.13(J)(2).

- 6) Chevron, or a contractor acting on behalf of Chevron, will remove liquids and sludge from a BGT prior to implementing a closure method and will dispose of the liquids and sludge in a division approved facility. NMAC § 19.15.17.13(E)(1). A list of Chevron currently approved disposal facilities is included at the end of this document.
- 7) The proposed method of closure for this Closure Plan is waste excavation and removal. NMAC §§ 19.15.17.13 (E)(1).
- 8) Chevron, or a contractor acting on behalf of Chevron, shall 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. When required, prior approval for disposal will be obtained. NMAC § 19.15.17.13(E)(2). Documentation regarding disposal of the BGT and its associated liner, if any, will be included in the closure report.
- 9) Waste generated during closure will be handled and disposed of in accordance with applicable laws. NMAC § 19.15.35.8(C)(1)(m) provides that plastic pit liners may be disposed at a solid waste facility without testing before disposal, provided they are cleaned well.
- 10) Chevron, or a contractor acting on behalf of Chevron, will remove on-site equipment associated with a BGT unless the equipment is required for some other purpose. NMAC § 19.15.17.13(E)(3).
- 11) Chevron, or a contractor acting on behalf of Chevron, will test the soils beneath the BGT to determine whether a release has occurred. At a minimum, 5 point composite samples will be collected along with individual grab samples from any area that is wet, discolored, or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2mg/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 50mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250mg/kg; or the background concentration, whichever is greater. Chevron, or a contractor acting on behalf of Chevron, will notify the NMOCD Division District office of its results on form C-141. NMAC § 19.15.17.13(E)(4).
- 12) If Chevron or the division determines that a release has occurred, Chevron will comply with NMAC §§ 19.15.29 and 19.15.30, as appropriate. NMAC § 19.15.17.13(E)(5).
- 13) If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in NMAC § 19.15.17.13(E)(4), Chevron will backfill the excavation with compacted, non-waste containing, earthen materials; construct a division prescribed soil cover; re-contour and re-vegetate the site. The division-prescribed soil cover, recontouring and re-vegetation requirements shall comply with NMAC § 19.15.17.13)(G, H and I). NMAC § 19.15.17.13(E)(6).

- 14) As per NMAC § 19.15.17.13(G)(1), once Chevron has closed a BGT or is no longer using the BGT or an area associated with the BGT, Chevron will reclaim the BGT location and all areas associated with it including associated access roads not needed by the surface estate owner to a safe and stable condition that blends with the surrounding undisturbed area. Chevron will substantially restore impacted surface area to the condition that existed prior to its oil and gas operations by placement of soil cover as provided in NMAC § 19.15.17.13(H) (see below), recontour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography, and re-vegetate according to NMAC § 19.15.17.13(I). NMAC § 19.15.17.13(G)(1).
- 15) Chevron may propose an alternative to the re-vegetation requirement of NMAC § 19.15.17.13(G)(1) if it demonstrates that the proposed alternative effectively prevents erosion, and protects fresh water, human health and the environment. The proposed alternative must be agreed upon in writing by the surface owner. Chevron will submit the proposed alternative, with written documentation that the surface owner agrees to the alternative, to the division for approval. NMAC § 19.15.17.13(G)(2).
- 16) Soil cover for closures where Chevron has removed the pit contents or remediated the contaminated soil to the division's satisfaction will consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. NMAC § 19.15.17.13(H)(1).
- 17) Chevron will construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material. NMAC § 19.15.17.13(H)(3).
- 18) As per NMAC § 19.15.17.13(I)(1) and 19.15.17.13(G)(2), Chevron will seed or plant disturbed areas during the first growing season after it is no longer using a BGT or an area associated with the BGT including access roads unless needed by the surface estate owner as evidenced by a written agreement with the surface estate owner, if any and written approval by NMOCD.
- 19) Seeding will be accomplished by drilling on the contour whenever practical or by other division approved methods. Chevron will obtain vegetative cover that equals 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) 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. During the two growing seasons that prove viability, Chevron will not artificially irrigate the vegetation. NMAC § 19.15.17.13(I)(2).
- 20) Chevron will notify the division when it has seeded or planted and when it successfully achieves re-vegetation. NMAC \S 19.15.17.13(I)(5).
- 21) Seeding or planting will be repeated until Chevron successfully achieves the required vegetative cover. NMAC § 19.15.17.13(I)(3).

- 22) When conditions are not favorable for the establishment of vegetation, such as periods of drought, the division may allow Chevron to delay seeding or planting until soil moisture conditions become favorable or may require Chevron to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing or other practices. NMAC § 19.15.17.13(I)(4).
- 23) As per NMAC § 19.15.17.13(K), within 60 days of closure completion, Chevron will submit a closure report containing the elements required by NMAC § 19.15.17.13(K) including:
 - i) Confirmation sampling results,
 - ii) A plot plan,
 - iii) Details on back-filling, capping and covering, where applicable, including revegetation application rates and seeding technique,
 - iv) Proof of closure notice to the surface owner, if any, and the division,
 - v) Name and permit number of disposal facility, and
 - vi) Photo documentation.
- 24) The closure report will be filed on NMOCD Form C-144. Chevron will certify that all information in the closure report and attachments is correct and that it has complied with all applicable closure requirements and conditions specified in the approved closure plan. NMAC § 19.15.17.13(K).
- 25) As requested, the following are the current Chevron approved Waste Disposal Sites for the identified waste streams:

Soils and Sludges

i) Envirotech Inc. Soil Remediation Facility, Permit No. NM-01-0011

Solids

ii) San Juan County Regional Land Fill (NMAC § 19.15.35.8 items only, with prior NMOCD approval when required)

<u>Liquids</u>

- i) Key Energy Disposal Facility, Permit No. NM-01-0009
- ii) Basin Disposals Facility, Permit No. NM-01-005.
- 26) These waste disposal sites are subject to change if their certification is lost or they are closed or other more appropriate, equally protective sites become available. Chevron will provide notice if such a change is affected.