SITE	INFO	RMA	IOIT	N
------	------	------------	------	---

Report Type: Sampling Plan nMAP1825433366 / 2RP-4964 General Site Information: Site: Nix Ann SWD #001 Company: Permian Water Solutions LLC

Company:Permian Water Solutions LLCSection, Township and RangeUnit GSec. 18T 19SR 26ELease Number:

County: Eddy County

GPS: 32.66262 -104.41911

Surface Owner: Mineral Owner:

Directions:From intersection of CR 21 & US 285, travel west on CR 21 for 650' and the location will be on the right.

Release Data:

 Date Released:
 9/5/2018

 Type Release:
 Produced Water

 Source of Contamination:
 Automation Not Designed for High Volume

 Fluid Released:
 300 bbls water

 Fluids Recovered:
 295 bbls water

Official Communication:

Name:	Dusty McInturff	Clair Gonzales
Company:	Permian Water Solutions	Tetra Tech
Address:	PO BOX 2106	901 W. Wall St.
		Ste 100
City:	Midland, Texas, 79702	Midland, Texas, 79701
Phone number:	432-634-7865	(432) 682-4559
Fax:		
Email:	dmcinturff@dufrane.com	clair.gonzales@tetratech.com

Site Characterization		
Depth to Groundwater:	69' bgs	
Karst Potential:	Medium	

Recommended Remedial Action Levels (RRALs)					
Benzene	Total BTEX	Total BTEX TPH (GRO+DRO) TPH (GRO+DRO+MRO) Chlorides		Chlorides	
10 mg/kg	50 mg/kg	100 mg/kg	100 mg/kg	600 mg/kg	



May 25, 2022

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE: Sampling Plan
Permian Water Solutions
Nix Ann SWD #001
Eddy County, New Mexico
nMAP1825433366
2RP-4964

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by Permian Water Solutions (Permian Water) to assess a release that occurred at the Nix Ann SWD #001, Unit G, Section 18, Township 19 South, Range 26 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.66262°, -104.41911°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Nix Ann SWD #001 was caused by a automation not being designed for a high volume, causing the release of 300 bbls of produced water. Additionally, approximately 295 bbls of water was recovered. On September 5, 2018, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, springs, playas, wetlands, subsurfaces mines, private domestic water wells, or floodplains located within the specified distances. However, the site is located in a medium karst area. The NFHL Map and USGS Mapper are shown in **Appendix B**.



Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundaries, defined municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the three closest water wells within a mile radius of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 440 ft bgs and measured water level of 69 ft bgs and is approximately 0.53 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 224 ft bgs and measured water level of 145 ft bgs and is approximately 0.70 miles of the Site. The well reported on the USGS National Water Information System reports a total depth of 224 ft bgs and a measured water level of 146 ft bgs and is approximately 0.69 miles south of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.53 Miles	12/20/1942	NMOSE	440'	69'
0.70 Miles	6/26/1990	NMOSE	224'	145'
0.69 Miles	6/26/1990	USGS	224'	146'

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, for chlorides is 600 mg/kg.

Tetra Tech Sampling Plan

Based on the information provided in the C-141 (nMAP1825433366 / 2RP-4964), Tetra Tech proposes additional sampling to collect current data and to attempt to vertically and horizontally dellineate the remaining impact. The final spill footprint and sampling locations will be determined in the field by site inspection. Based on the data collected during the assessment



activities, Tetra Tech will determine a remedial plan to address the remaining impact. The site is shown on **Figure 3**.

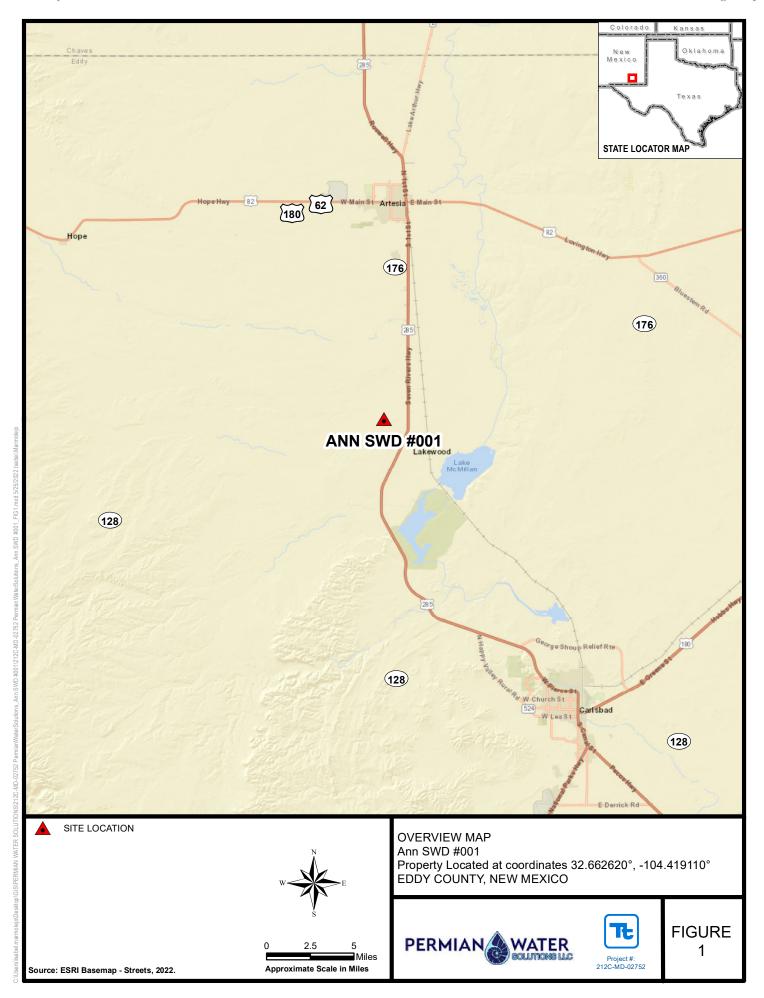
If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

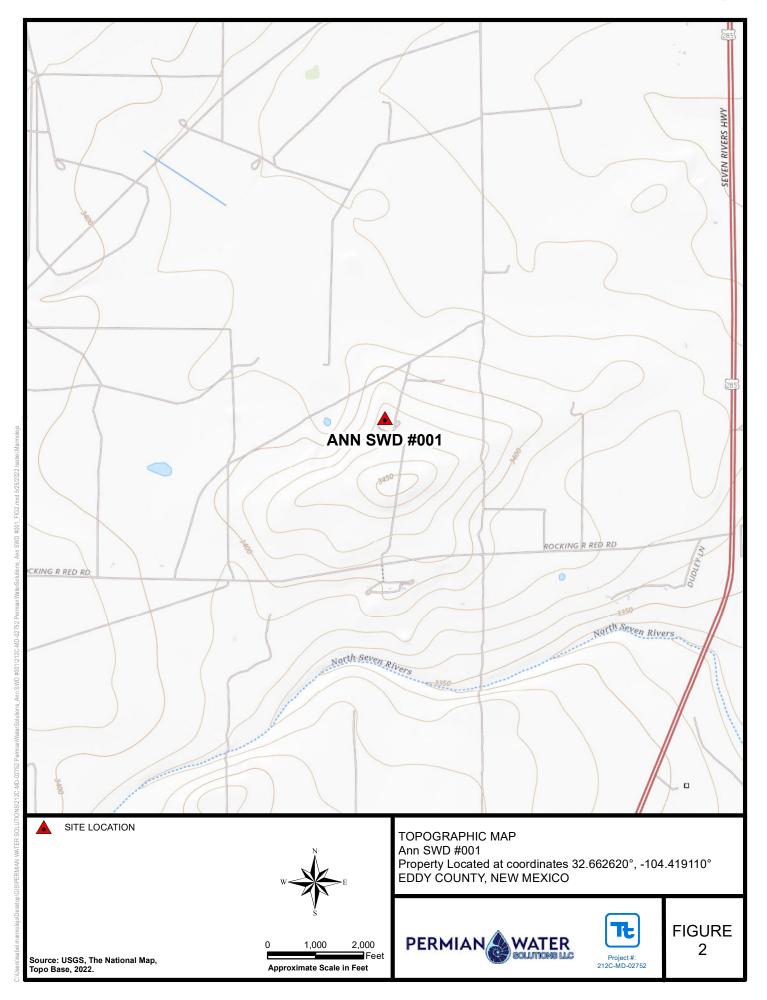
Respectfully submitted, TETRA TECH

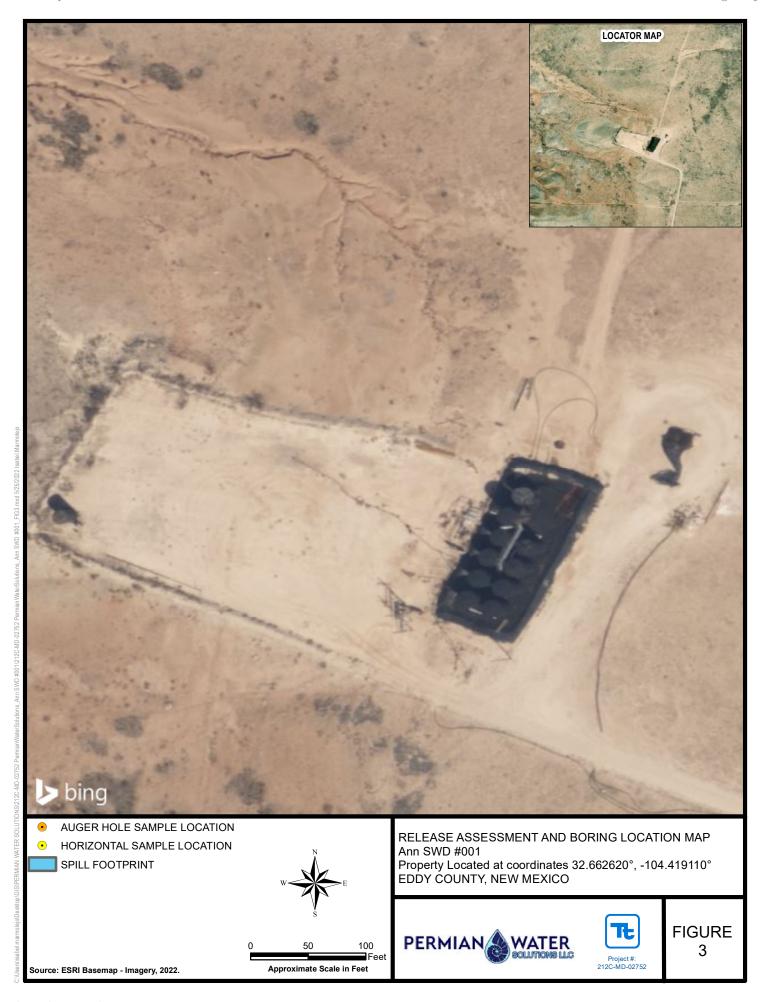
Brittany Long, Project Manager Clair Gonzales, P.G. Senior Project Manager



Figures









Appendix A

C-141 Document

Received by OCD: 5/27/2022 1:54:23 PM District 1

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 Page 10 of 27

Form C-141

Revised August 24, 2018

Submit to appropriate OCD District office

Incident ID	NMAP1825433366
District RP	2RP-4964
Facility ID	N/A
Application ID	pMAP1825365838

Release Notification

Responsible Party

			itts	phonein	ic rarty	· y	
Responsible Party Cambrian Management, Ltd			О	GRID 19	98688		
Contact Name Mike Anthony			C	ontact Tel	elephone 432-631-4398		
Contact emai	1 arickard@	cambrianmgmt.cc)m	In	ncident#(a	(assigned by OCD)	
Contact maili	ing address F	PO Box 272, Midl	and, TX 79702				
			Location	n of Re	lease Se	Source	
Latitude			(NAD 83 in a	L decimal degre	ongitude _ ees to 5 decin	rimal places)	
Site Name /	Ann SWD				Site Type	SWD	
Date Release	e Discovered	1 09/05/2018		1	API# (if app	pplicable) 30-015-23580	
Unit Letter	Section	Township	Range		Count	nty	
G	18	19S 26E Eddy					
	Materi	al(s) Released (Select		nd Volu		ic justification for the volumes provided below)	
Crude Oil		Volume Released (bbls)			Volume Recovered (bbls)		
X Produced \	Water	Volume Released (bbls) 300			Volume Recovered (bbls) 295		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		the	☐ Yes ☐ No			
Condensa	te	Volume Released (bbls)			Volume Recovered (bbls)		
Natural G	as	Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (de	scribe)	be) Volume/Weight Released (provide units)			Volume/Weight Recovered (provide units)		

Page 2 PM tate of New Mexico
Oil Conservation Division

Incident ID	NMAP1825483366 ^{f 27}
District RP	2RP-4964
Facility ID	N/A
Application ID	pMAP1825365838

Cause of Release Automation not designed	for high volume		
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?		
Was this a major release as defined by	This was an unauthorized release of a volume 25 bbls or more		
19.15.29.7(A) NMAC?			
X Yes No			
X Tes 🗀 No			
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
OCD was notified within	2 hours of the release being discovered. Mr. Mike Bratcher was notified via e-mail by Denise Jones @ 9:19		
Am on 09/05/2018.			
	Initial Response		
The resnousibl	le party must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
The responsion	e party mass and me me jone mag account of the party mass and the part		
X The source of the rele	ace has been stanned		
100	s been secured to protect human health and the environment.		
X Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.			
	coverable materials have been removed and managed appropriately.		
If all the actions describe	ed above have <u>not</u> been undertaken, explain why:		
Per 19.15.29.8 B. (4) NN	MAC the responsible party may commence remediation immediately after discovery of a release. If remediation		
within a lined containme	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred ent area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.		
I hereby certify that the infe	formation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and		
mublic health or the enviror	e required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have		
foiled to adequately investi	gate and remediate contamination that pose a threat to groundwater, surface water, numan nealth or the environment. In		
addition, OCD acceptance and/or regulations.	of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws		
	Tida. Dagulatami Anglijat		
Printed Name:Denis			
Signature:	Date:09/06/2018_		
email: djones@cambria	m 1 - 1		

Reserved-hAOCD: 5/27/2022 1:54:23 PM tate of New Mexico
Page 3
Oil Conservation Division

Incident ID	NMAP1825433566f 27
District RP	2RP-4964
Facility ID	N/A
Application ID	pMAP1825365838

OCD Only Received by:	Mule	Date: 09/10/18



Searches V Operator Data V Hearing Fee
Searches V Operator Data V Hearing Fee

OCD Permit			
NMAP1825433366 ANN SWD @ 30-015-23580			
General Incident In	nformation		Quick Links
Site Name: Well: Facility: Operator: Status: Type: District: Incident Location: Lat/Long: Directions:	Ann SWD [30-015-23580] ANN SWD #001 [198688] CAMBRIAN MANAGEMENT LTD Closure Not Approved Produced Water Release Artesia G-18-19S-26E 0 FNL 0 FEL 32.66262,-104.41911 NAD83	Severity: Major Surface Owner: Private County: Eddy (15)	• General Incident Information • Materials • Events • Orders Associated Images • Incident Files (2) • Well Files (56) New Searches • New Facility Search % • New Incident Search % • New Operator Search % • New Operator Search % • New Pit Search % • New Spill Search %
Notes Source of Referral:	Industry Rep	Action / Escalation: Referred to Environmental Inspector	New Tank Search ^t New Well Search ^t New Tank Search ^t New Well Search ^t New Tank Search
Resulted In Fire: Endangered Public Ho Fresh Water Contamin	ealth:	Will or Has Reached Watercourse: Property Or Environmental Damage:	
Contact Details			
Contact Name:	Mike Anthony	Contact Title:	
Event Dates Date of Discovery: Extension Date: Initial C-141 Received Characterization Rep Remediation Plan Rec Closure Report Recei	ort Received: 09/10/2018 beived:	OCD Notified of Release: Cancelled Date: Characterization Report Approved: Remediation Plan Approved: Remediation Due: Closure Report Approved:	
No Compositional Analys	alysis of Vented and/or Flared Natural Gas		
Cause Source Material Volume Unk. Released Recovered Lost Human Error Tank (Any) Produced Water 300 295 5 BBL			
Date 09/11/2018 Cause I	Detail listed as, "Automation not designed for high volume"		

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-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party O			OGRID			
Contact Name				Contact Te	elephone	
Contact email Inc			Incident #	(assigned by OCD)		
Contact mail	ing address			1		
			Location	of Release So	ource	
Latitude Longitude (NAD 83 in decimal degrees to 5 decimal places)						
Site Name				Site Type		
Date Release	Discovered			API# (if app	licable)	
Unit Letter	Section	Township	Range	Coun	ity	
Surface Owner: State Federal Tribal Private (Name: Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls)						
Crude Oil		Volume Release			Volume Recov	` '
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?		Yes No			
Condensate Volume Released (bbls)				Volume Recov	vered (bbls)	
Natural Gas Volume Released (Mcf)			Volume Recov	vered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		Volume/Weigh	ht Recovered (provide units)			
Cause of Rele	ease					

Received by OCD: 5/27/2022 1:54:23 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

	ruge 15 oj .
Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
19.13.29.7(A) NMAC:		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Re	esnonse
		-
The responsible p	party must undertake the following actions immediately	y unless they could create a safety hazard that would result in injury
	ease has been stopped.	
	as been secured to protect human health and	
Released materials ha	we been contained via the use of berms or d	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
Per 19.15.29.8 B. (4) NM	IAC the responsible party may commence re	emediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial of	efforts have been successfully completed or if the release occurred
within a lined containment	it area (see 19.15.29.11(A)(5)(a) NMAC), p	lease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have
failed to adequately investigated	ate and remediate contamination that pose a threa	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of a	responsibility for compliance with any other federal, state, or local laws
Printed Name:		Title:
Signature: <u>Jenní U</u>	sher	Date:
email:		Telephone:
		1 510pHolio.
OCD Only		
Received by:		Date:

Received by OCD: 5/27/2022 1:54:23 PM Form C-141 State of New Mexico Page 3 Oil Conservation Division

	Page 16 of 27
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No	
Are the lateral extents of the release 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?	☐ Yes ☐ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No	
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody		

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 5/27/2022 1:54:23 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 17 of	27
Incident ID		
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	_ Title:	
Signature: Jenní Usher	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	

Received by OCD: 5/27/2022 1:54:23 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	o included in the plan
Remediation I fair Checkinst. Each of the following tiems must be	e included in the plan.
Detailed description of proposed remediation technique	
Scaled sitemap with GPS coordinates showing delineation poin	ts
Estimated volume of material to be remediated	
Closure criteria is to Table 1 specifications subject to 19.15.29.	12(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan tin	neline is more than 90 days OCD approval is required)
<u>Deferral Requests Only</u> : Each of the following items must be con	ifirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	n, the environment, or groundwater.
	te to the best of my knowledge and understand that pursuant to OCD
	certain release notifications and perform corrective actions for releases
which may endanger public health or the environment. The accepta	
liability should their operations have failed to adequately investigat	
surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	
responsibility for compliance with any other rederat, state, or local	aws and/or regulations.
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:
orginature	Date.

Received by OCD: 5/27/2022 1:54:23 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

	Page 19 of 27
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODG	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of	nations. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party	
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
remediate contamination that poses a threat to groundwater, surface	water, human health, or the environment nor does not relieve the responsible or regulations.



Appendix B

Site Characterization Documents



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X Y

RA 01343 2 1 1 18 19S 26E

553777 3614525*

Driller License: Driller Company:

Driller Name: R. T. SCHENCK

Drill Start Date: Drill Finish Date: 12/20/1942 Plug Date:

Log File Date: PCW Rcv Date: 05/17/1943 Source: Shallow

Pump Type: TURBIN Pipe Discharge Size: Estimated Yield:

Casing Size: Depth Well: 440 feet Depth Water: 69 feet

Meter Number: 4239 Meter Make: MCCROMETER

Meter Serial Number:916161Meter Multiplier:1.0000Number of Dials:3Meter Type:Diversion

Unit of Measure:Acre-FeetReturn Flow Percent:Usage Multiplier:Reading Frequency:

Meter Readings (in Acre-Feet)

Year M	tr Reading	Flag	g Rdr	Comment	Mtr Amount Online
1997	470	A	PF		0
1997	569	A	PF		99.321
1998	685	A	PF		116.357
1999	785	A	PF		99.690
2000	908	A	PF		123.225
2001	920	A	PF		11.954
2001	943	A	PF		22.560
2001	966	A	PF		23.349
2001	991	A	pf		24.543
2001	1	R	pf	Meter Rollover	10.340
2002	14	A	pf		12.900
2002	103	A	BT		88.721
2004	125	A	sj		22.055
2004	126	A	sj		0.818
er Amounts:	: Year		Amount		
	1997		99.321		
	1998		116.357		
	1999		99.690		
	2000		123.225		
	2001		92.746		
	2002		101.621		
-	1997 1997 1998 1999 2000 2001 2001 2001 2001 2002 2002	1997 470 1997 569 1998 685 1999 785 2000 908 2001 920 2001 943 2001 966 2001 991 2001 1 2002 14 2002 14 2002 103 2004 125 2004 126 er Amounts: Year 1997 1998 1999 2000 2001	1997 470 A 1997 569 A 1998 685 A 1999 785 A 2000 908 A 2001 920 A 2001 943 A 2001 966 A 2001 991 A 2001 1 R 2002 14 A 2002 103 A 2004 125 A 2004 126 A er Amounts: Year 1997 1998 1999 2000 2001	1997 470 A PF 1997 569 A PF 1998 685 A PF 1999 785 A PF 2000 908 A PF 2001 920 A PF 2001 943 A PF 2001 966 A PF 2001 991 A pf 2001 1 R pf 2002 14 A pf 2002 14 A pf 2002 103 A BT 2004 125 A sj 2004 126 A sj er Amounts: Year Amount 1997 99.321 1998 116.357 1999 99.690 2000 123.225 2001 92.746	1997

*UTM location was derived from PLSS - see Help

22.873

2004



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

X

RA 07817

19 19S 26E 554592 3612915*

Driller License: 353 **Driller Company:**

OSBOURN DRILLING & PUMP CO.

Driller Name:

OSBOURN DRILLING COMPANY

Drill Start Date: 06/29/1990 **Drill Finish Date:**

06/26/1990

Plug Date:

Log File Date:

06/28/1990

PCW Rcv Date:

Source:

Shallow

Pump Type:

Depth Well:

Estimated Yield:

Casing Size:

Pipe Discharge Size:

224 feet

Depth Water: 145 feet

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

5/25/22 2:16 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323919104250101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323919104250101 19S.26E.19.21212

Eddy County, New Mexico Latitude 32°39'10", Longitude 104°25'03" NAD27

Land-surface elevation 3,401 feet above NGVD29

The depth of the well is 224 feet below land surface.

The depth of the hole is 224 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats	

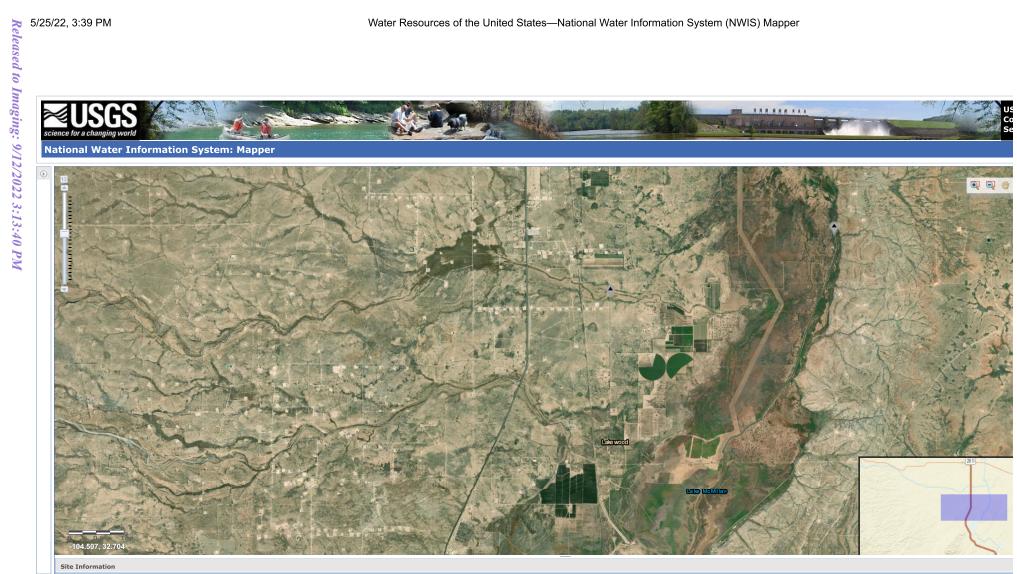
Tab-separated data Graph of data Reselect period

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of reasurement	? Measuring [‡] agency	? Source of measurement	? Water- level approval status
1990-06-26		D	62610		3255.00	NGVD29	1	0			А
1990-06-26		D	62611		3256.57	NAVD88	1	0			А
1990-06-26		D	72019	146.00			1	0			А

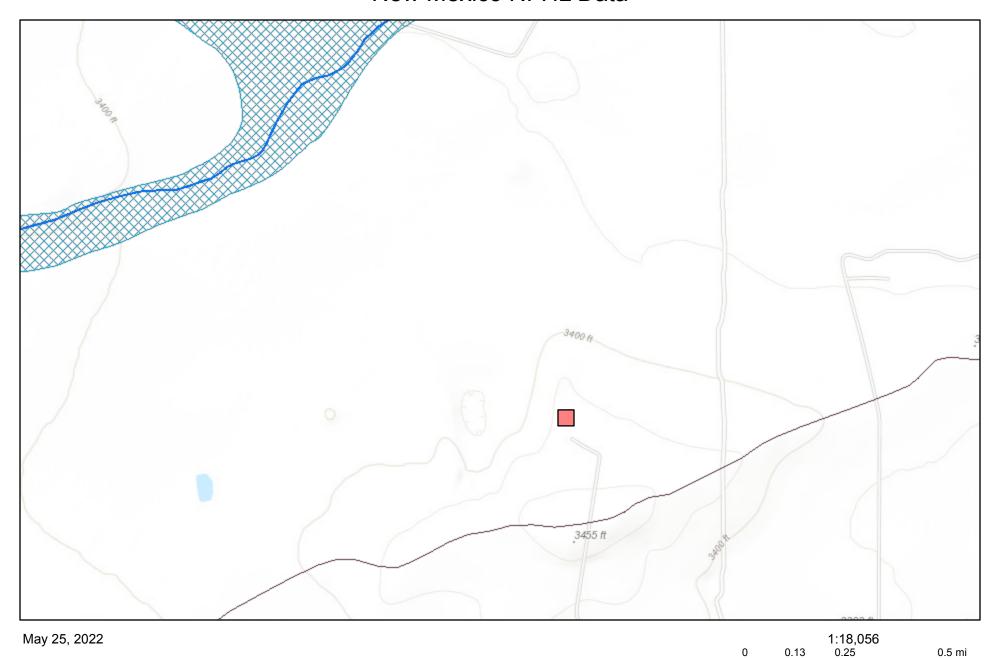
Explanation

Section	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	0	Observed.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

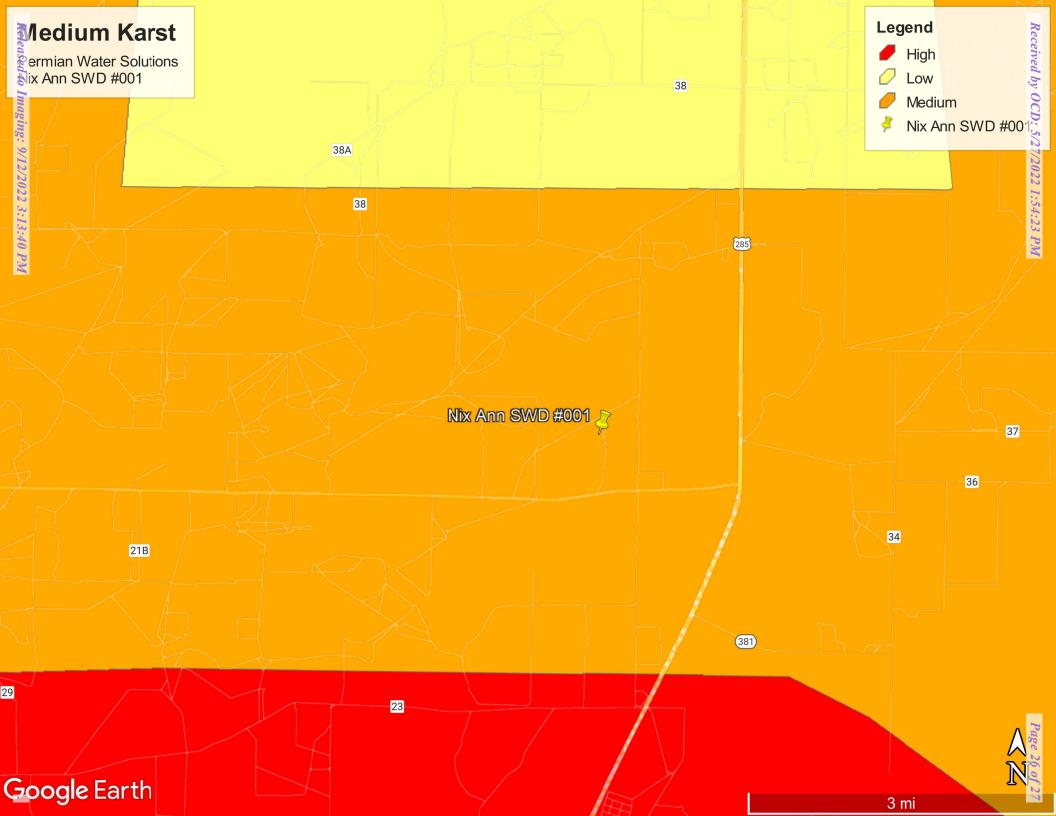
Questions about sites/data? Feedback on this web site Automated retrievals Help



New Mexico NFHL Data



0 0.2 0.4 0.8 km
FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

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

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

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

CONDITIONS

Action 111639

CONDITIONS

Operator:	OGRID:
Permian Water Solutions, LLC	373626
PO Box 2106	Action Number:
Midland, TX 79702	111639
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Sampling Plan is conditionally approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. A remediation plan and/or closure report will need to be completed and uploaded within 90 days.	9/12/2022