

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	nAPP2219254668
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Western Refining Southwest LLC	OGRID: 267595
Contact Name: Gary Russell	Contact Telephone: 678-594-6377
Contact email: gfrussell@marathonpetroleum.com	Incident # (assigned by OCD)
Contact mailing address: 50 County Road 4990, Bloomfield, NM 87413	

Location of Release Source

Latitude 36° 41' 30" Longitude 107° 58' 20"
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Bloomfield Products Terminal	Site Type: Crude and Products Terminal
Date Release Discovered: June 27, 2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
	27	29N	11W	San Juan

Surface Owner: State Federal Tribal Private (Name: Western Refining Southwest LLC)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 20 bbls - Remediation Groundwater	Volume/Weight Recovered (provide units) 20 bbls - Remediation Groundwater

Cause of Release

On the morning of June 27, 2022, following a heavy rainfall event, the discharge pump at Tank 37 failed to keep up with the incoming flow and allowed remediation groundwater to overflow the tank into the synthetically lined secondary containment. Tank 37 receives remediation groundwater from the slurry wall remediation system on the northwest portion of the facility. The pump discharge line was found to have developed restrictions that did not allow the pump to operate at its normal capacity.

A telephone notification of the release was made to Leigh Barr with Oil Conservation Division at 15:57 on June 27, 2022.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: All above actions have been completed.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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: <u>Gary Russell</u> Title: <u>Sr. HES Professional</u> Signature: <u>[Handwritten Signature]</u> Date: <u>7-11-2022</u> email: <u>grussell@marathonpetroleum.com</u> Telephone: <u>678-594-6377</u>
OCD Only Received by: _____ Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	12.67 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 **photographs provided**
- Data table of soil contaminant concentration data **not applicable**
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs **not applicable**
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody **not applicable**

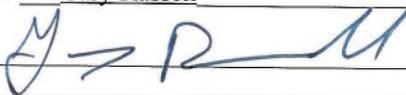
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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.

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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: Gary Russell Title: Sr. HES Professional

Signature:  Date: 8/8/2022

email: gfrussell@marathonpetroleum.com Telephone: 678-594-6377

OCD Only

Received by: Jocelyn Harimon Date: 08/08/2022

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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 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Gary Russell Title: Sr. HES Professional
 Signature:  Date: 08/08/2022
 email: gfrussell@marathonpetroleum.com Telephone: 678-594-6377

OCD Only

Received by: Nelson Velez Date: 09/20/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 09/20/2022
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Western Refining Southwest LLC

539 S Main Street
Findlay, OH 45840
Tel: 419.422.2121

Incident# nAPP2219254668
Narrative of Release and Site Assessment
Tank 37 Release to Lined Secondary Containment

Western Refining Southwest LLC
50 County Road 4990, Bloomfield, NM 87413
OGRID: 267595
Release Date: June 27, 2022

Event Summary:

On the morning of June 27, 2022, following a heavy rainfall event, the discharge pump at Tank 37 failed to keep up with the incoming flow and allowed remediation groundwater to overflow the tank into the synthetically lined secondary containment. Between the hours of 05:00 and 09:00 approximately 20 barrels of remediation groundwater was released into the lined secondary containment that is around Tank 37. The secondary containment also collected rainwater from the rainfall event on that same morning.

The release from Tank 37 was initially discovered when the facility Operator was investigating a high-level alarm he received for the tank. Once the release was discovered Operations immediately utilized the onsite vacuum truck to draw-down and remove all the released groundwater from the tank secondary containment. Operations was utilizing the vacuum truck during the release as personnel were determining the cause. The groundwater was moved by vacuum truck and deposited in the entrance side of the onsite facility oil-water separator to be treated in the wastewater treatment system. Operations also utilized the vacuum truck to bring down the level in Tank 37 to a safe operating capacity until a full assessment could be made and a repair plan implemented.

Initial Notification:

A telephone notification of the release was made to Leigh Barr with Oil Conservation Division at 15:57 on June 27, 2022. An initial C-141 and \$150 fee was submitted to OCD on July 11, 2022 using the OCD ePermitting website. (Action ID 124257)

Western Refining Southwest LLC

539 S Main Street
Findlay, OH 45840
Tel: 419.422.2121

Release Volume Justification:

The conservative estimated release volume is 20 barrels (840 gallons). The release occurred for 4 hours between 05:00 to 09:00. The Tank 37 discharge pump typically flows at around 3 gallons per minute.

4 hours = 240 minutes

240 minutes x 3 gallons per minute = 720 gallons (17.1 barrels)

Hydrology:

Distance to Nearest Significant Watercourse(s) are The Hammond Canal @ 75 feet south and the San Juan River @ 300 feet north. The depth to ground water at Tank 37 is approximately 12.67 feet as referenced on the groundwater elevation figure provided.

There was no breach of the secondary containment liner and no soil or groundwater contamination. No lateral extent of contamination exists.

Lined Containment Integrity Demonstration:

The secondary containment at Tank 37 has a synthetic liner. The integrity of the liner is suitable for containing a release such as the one described above. A detailed visual inspection of the liner took place on July 28. There is no evidence or indication that any released material left the secondary containment. Although the synthetic liner at Tank 37 does contain some historical discoloration from dirt and standing rainwater over time. The discoloration does not in any way affect the liner integrity. There is no lateral extent of release to report. Pictures of the inspection have been provided as part of this site assessment and subsequent C-141 submittal.

Additional Information:

The Tank 37 has a shell capacity of 5040 gallons (120 barrels). Tank 37 receives remediation groundwater from the slurry wall remediation system on the northwest portion of the facility. The groundwater contains trace contamination from historical releases that originated at the onsite refinery that has not been operating since 2009. The pump discharge line was found to have developed restrictions that did not allow the pump to operate at its normal capacity.

Records Provided with this Submittal:

- Narrative of Release and Site Assessment
- Facility Map/Site Map
- Topographic Map / Watercourses
- Topographic Map / Aerial Map
- Groundwater Flow and Elevation Map that includes locations of pre-existing monitoring and observation wells.
- Aerial Photograph of the Tank 37 Area

Western Refining Southwest LLC

539 S Main Street
Findlay, OH 45840
Tel: 419.422.2121

- Map Depicting the Extent of Contamination within Lined Secondary Containment
- Photographs of the Synthetic Liner Area Where the Release Occurred

TANK 37



LEGEND

- NEW INJECTION WELL
 - ⊗ FORMER INJECTION WELL
 - FOAM TOTE
 - ◆ CORROSION INHIBITOR
 - H HEADER
 - L LACT
 - S SPILL KIT
 - C COMPRESSOR
 - T TRANSFORMER AREA
 - ABOVEGROUND PIPE
 - BELOW GROUND PIPE
 - PERMETER BERM
 - PERMETER FENCE
 - SURFACE WATER
 - DEPRESSION
 - CONTAINMENT DIKE EXTENT
 - TEMPORARY STORAGE AREA
- AST = ABOVEGROUND STORAGE TANK
 BBL = BARREL
 GAC = GRANULATED ACTIVATED CARBON
 LACT = LEASE AUTOMATIC CUSTODY TRANSFER
 OOS = OUT-OF-SERVICE
 LPG = LIQUID PETROLEUM GAS

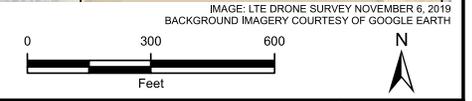
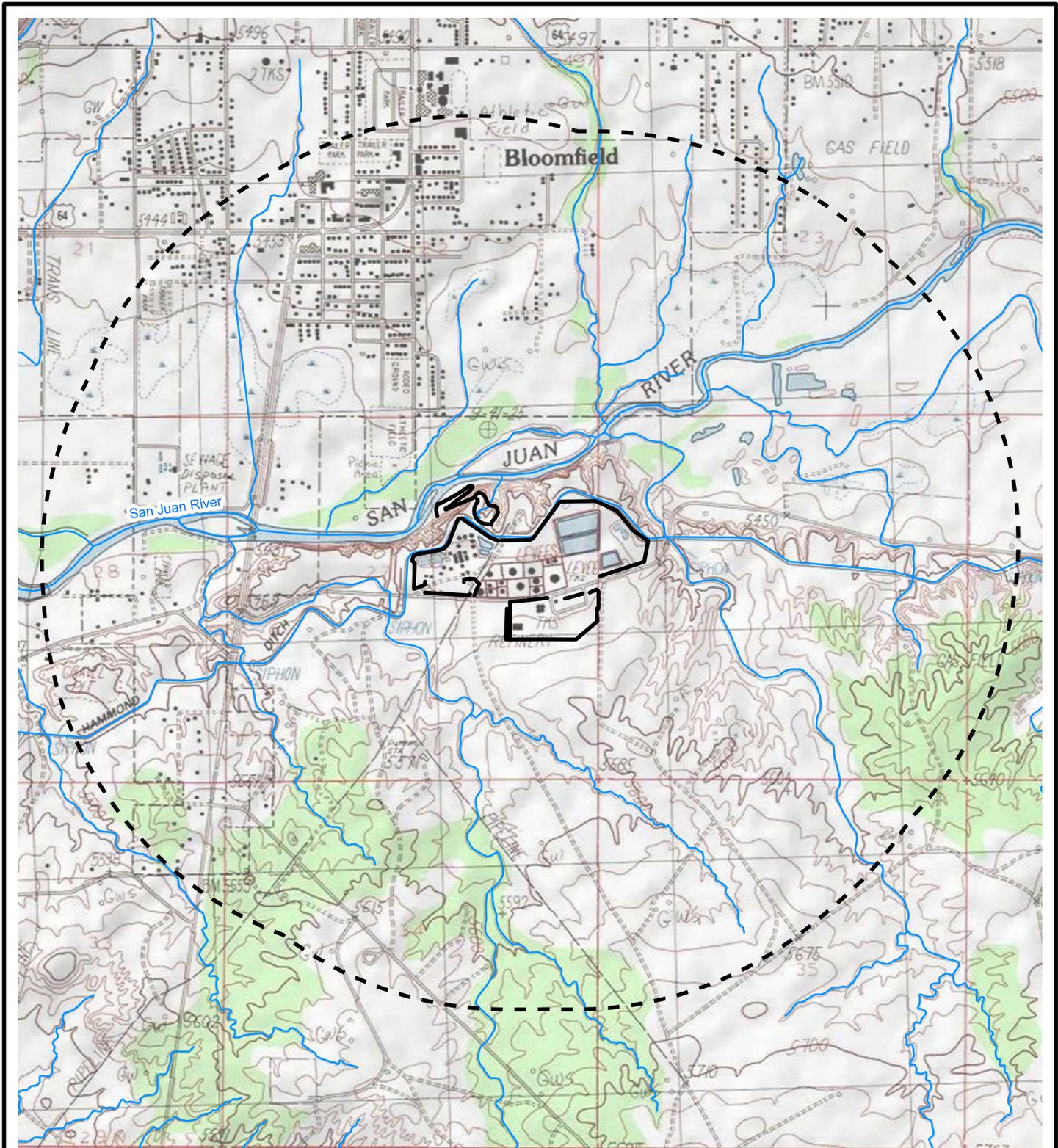


FIGURE 1
FACILITY DIAGRAM
 BLOOMFIELD PRODUCTS TERMINAL
 SAN JUAN COUNTY, NEW MEXICO
 SEC 27 & 26 T29N R11W
 WESTERN REFINING TERMINALS, LLC.



SOME UNDERGROUND PIPING IS SHOWN FOR PROCESS FLOW DEMONSTRATION ONLY. ADDITIONAL UNDERGROUND PIPING EXISTS AT THE FACILITY THAT IS NOT SHOWN HERE.

P:\Western Refining\GIS\IMD\22619011_BLOCKFIELD_TERMINAL_SPC\22619011_FIG1_FACILITY_DIAGRAM_SPC_2202.mxd



LEGEND

-  NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
-  TERMINAL FACILITY BOUNDARY
-  LAKE/POND
-  1-MILE RADIUS

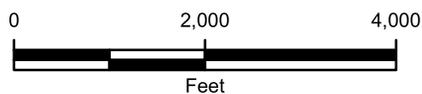
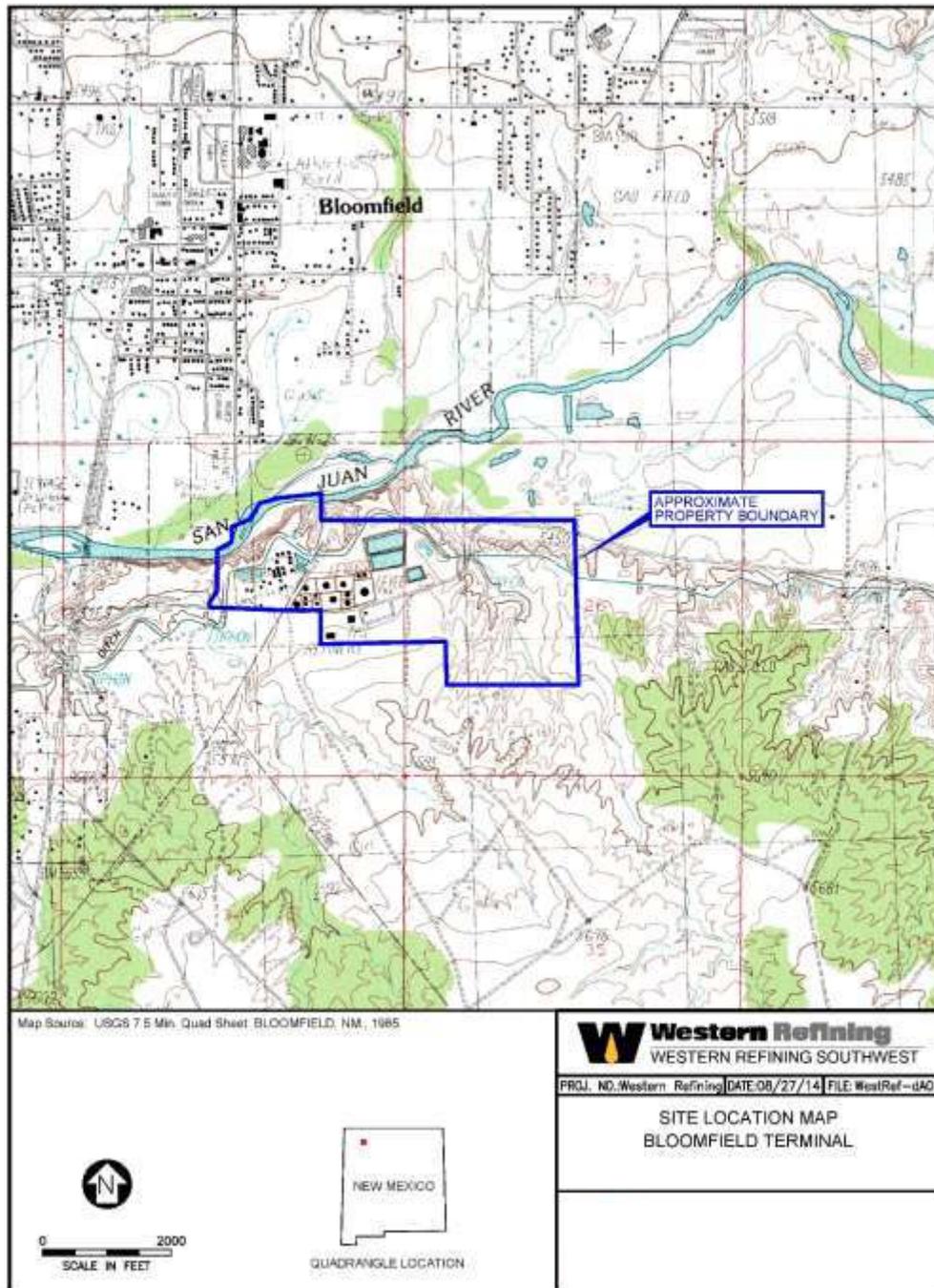


IMAGE COURTESY OF ESRI/USGS



**PROXIMITY TO WATER BODIES, STREAMS,
 WATERCOURSES, AND GROUNDWATER DISCHARGES
 BLOOMFIELD PRODUCTS TERMINAL
 50 COUNTY ROAD 4990
 BLOOMFIELD, NEW MEXICO
 WESTERN REFINING TERMINALS, LLC.**

Topographic / Aerial map



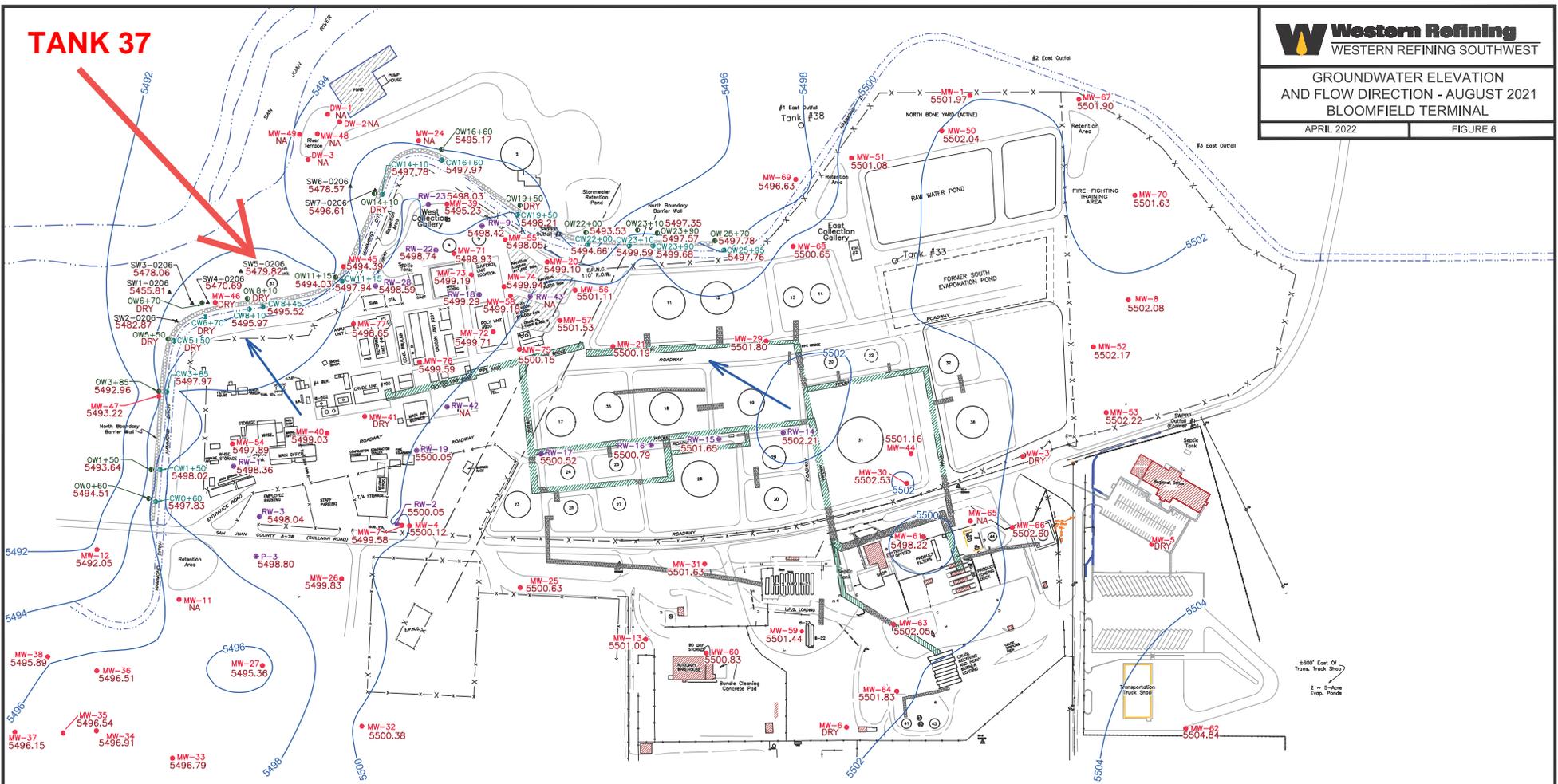
TANK 37

Western Refining
WESTERN REFINING SOUTHWEST

GROUNDWATER ELEVATION
AND FLOW DIRECTION - AUGUST 2021

BLOOMFIELD TERMINAL

APRIL 2022 FIGURE 6



LEGEND

- MW-1 ● MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- RW-1 ● RECOVERY WELL LOCATION AND IDENTIFICATION NUMBER
- OW 1+50 ○ OBSERVATION WELL LOCATION AND IDENTIFICATION NUMBER
- CW 1+50 ○ COLLECTION WELL LOCATION AND IDENTIFICATION NUMBER
- SW1-0206 ▲ SUMP WELL LOCATION AND IDENTIFICATION NUMBER
- P-2 ■ PIEZOMETER IDENTIFICATION
- SURFACE WATER DRAINAGE PATTERN

- ▬ UNDER GROUND PIPE-WAY
- ▬ ABOVE GROUND PIPE-WAY
- ▬ SLURRY BARRIER WALL
- FORMER TANK LOCATION
- 5502.00 CONTOUR OF GROUNDWATER ELEVATION (FT MSL)
- 5500.00 GROUNDWATER ELEVATION (FT MSL) (AUGUST 2021)
- ← GROUNDWATER FLOW DIRECTION

NOTES:
STORMWATER WELLS WERE NOT INCLUDED IN CONTOUR CREATION

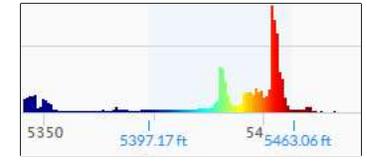
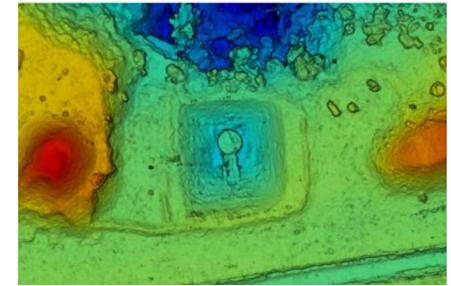


0 300
SCALE IN FEET

Aerial Photograph Showing Location of Tank 37



Extent of release inside the lined secondary containment.



Area	3824 ft ²
Cut	142.5 y ³
Fill	-313.2 y ³
Volume	-170.7 y ³

Tanks in Berm	Low Point Volume (cubic yd)	Low Point Volume (bbl)	Largest Tank	Largest Tank Diameter (ft)	Displaced Tank Height (ft)	Tank Displacement Volume (bbl)	Precipitation Displacement Volume (bbl)	Final Low Point Volume (bbl)	Volume of Largest Tank (bbl)	Berm Sufficient
37	313	1,506	37	12	5.9	120	113	1,626	120	Yes

Tank ID	Size (bbl)	Contents
37	120	Contaminated Groundwater

LEGEND

- 1 TANK NUMBER
- BERM OUTLINE



FIGURE 13
TANK 37 CALCULATIONS
 BLOOMFIELD PRODUCTS TERMINAL
 SAN JUAN COUNTY, NEW MEXICO
 WESTERN REFINING TERMINALS, LLC.



See Section 4.3 of the SPCC Plan for a description of calculations.

Tank 37 Liner Photographs
Taken 7/28/22
36° 42' 26.63" N
107° 58" 44.27" W



07/28/22 15:01



07/28/22 15:03



07/28/22 15:00



07/28/22 15:03



07/28/22 15:04



07/28/22 15:06



07/28/22 15:08

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

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

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

CONDITIONS
 Action 131946

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 131946
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/20/2022