Incident ID	
District RP	
Facility ID	
Application ID	

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?	25 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
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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: Ben J. Arguijo (as Agent of OXY) Title: Environmental Project Manager

Signature: Date: 4/7/2020

email: ben@trinityoilfieldservices.com Telephone: (575)390-7208

OCD Only

Received by: Date:

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

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Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ 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 timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☑ Extents of contamination must be fully delineated.

☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Ben J. Arguijo (as Agent of OXY) Title: Environmental Project Manager

Signature: Date: 4/7/2020

email: ben@trinityoilfieldservices.com Telephone: (575)390-7208

OCD Only

Received by: Date:

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal

Company: OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828

Site Name: East Eumont Battery **NMOCD Reference#:**

Surface Owner: Private **Mineral Owner:** Private

Unit Letter: M (SW/SW) **Section:** 3 **Township:** 19S **Range:** 37E **County:** Lea **GPS Coordinates:** 32.684471 **N** -103.245658 **W**

Date/Time of Release: 2/18/2020 **Type of Release:** ☑ **Crude Oil** ☑ **Produced Water**

Volume(s) Released: 10 bbls Crude Oil & 140 bbls Produced Water **Volume(s) Recovered:** 120 bbls

Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):

Benzene: 10 **BTEX:** 50 **GRO+DRO:** 1,000 **TPH:** ☑ **100** ☐ **2,500** **Chloride:** ☑ **600** ☐ **10,000** ☐ **20,000**

Background Information:

On February 18, 2020, OXY USA, Inc. (OXY), discovered a release at the East Eumont Battery. A 2-inch hose on a discharge line for a transfer pump failed, resulting in the release of approximately 10 barrels (bbls) of crude oil and 140 bbls of produced water. The release was confined to the containment area surrounding the battery and affected a total area measuring approximately 1,945 square feet. During initial response activities, the damaged hose was replaced, and a vacuum truck was utilized to recover approximately 120 bbls of free-standing liquid.

The release was reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office on February 20, 2020. The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On March 17, 2020, a hand auger was utilized to advance a series of 4 boreholes (SP-1 through SP-4) inside the containment area to investigate the vertical extent of impacted soil. The auger holes were advanced to the extents practicable, with total depths of approximately 2 feet below ground surface (bgs). Soil samples were collected at 1-foot vertical intervals and field-screened with a chloride test kit and/or olfactory/visual senses. Representative confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride concentrations using Environmental Protection Agency (EPA) Method 300. Laboratory analytical results are pending. Field-screens indicate additional delineation to determine the extent of impacted soil is required. However, additional delineation was deemed impracticable without heavy equipment.

Locations of the auger holes are depicted in Figure 2, "Site Plan". Field test results are provided in Appendix D.

Proposed Activities:

OXY proposes to conduct the following activities to progress the East Eumont Battery release site to an NMOCD-approved closure:

• Additional delineation to determine the horizontal and vertical extent of impacted soil will be conducted forthwith.

• Based on heavy petroleum staining and odor observed at 2' bgs in all four (4) auger holes, the entire impacted area will be excavated vertically to 4 feet bgs, to the extent practicable, as depicted in Figure 2, "Site Plan". OXY hereby requests a variance from the requirements of Section 19.15.29.12.D(2) of the New Mexico Administrative Code (NMAC) and permission to install a 20-mil liner in the excavation upon completion. Felt padding will be installed on the floor of the excavation prior to installation of the liner, and a 6-inch cushion of sand will be installed atop the liner once it is in place to protect it from damage during backfilling.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal

Proposed Activities (cont.):

• To preserve the structural integrity of the on-site storage tanks, any excavation required immediately around the tanks will be limited to a surface scrape of heavily saturated, visibly stained soil. Excavation in other impacted areas may be hindered by the presence of active pipes, appurtenances, electrical lines, etc. Impacted soil remaining in-situ will be remediated upon decommissioning and/or abandonment of the facility.

• The total volume of soil to be excavated is approximately 288 cubic yards.

• Representative 5-point composite soil samples will be collected from the floor and sidewalls of the excavation and submitted to Xenco Laboratories for confirmatory analysis of chloride, TPH, and/or BTEX concentrations using EPA Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Each composite sample will represent an area no larger than 200 square feet.

• All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc., for disposal.

• The excavation will be fenced off during periods of inactivity to prevent injury to oilfield personnel, livestock, and/or wildlife.

• Following remediation activities, the excavation will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the needs of the facility.

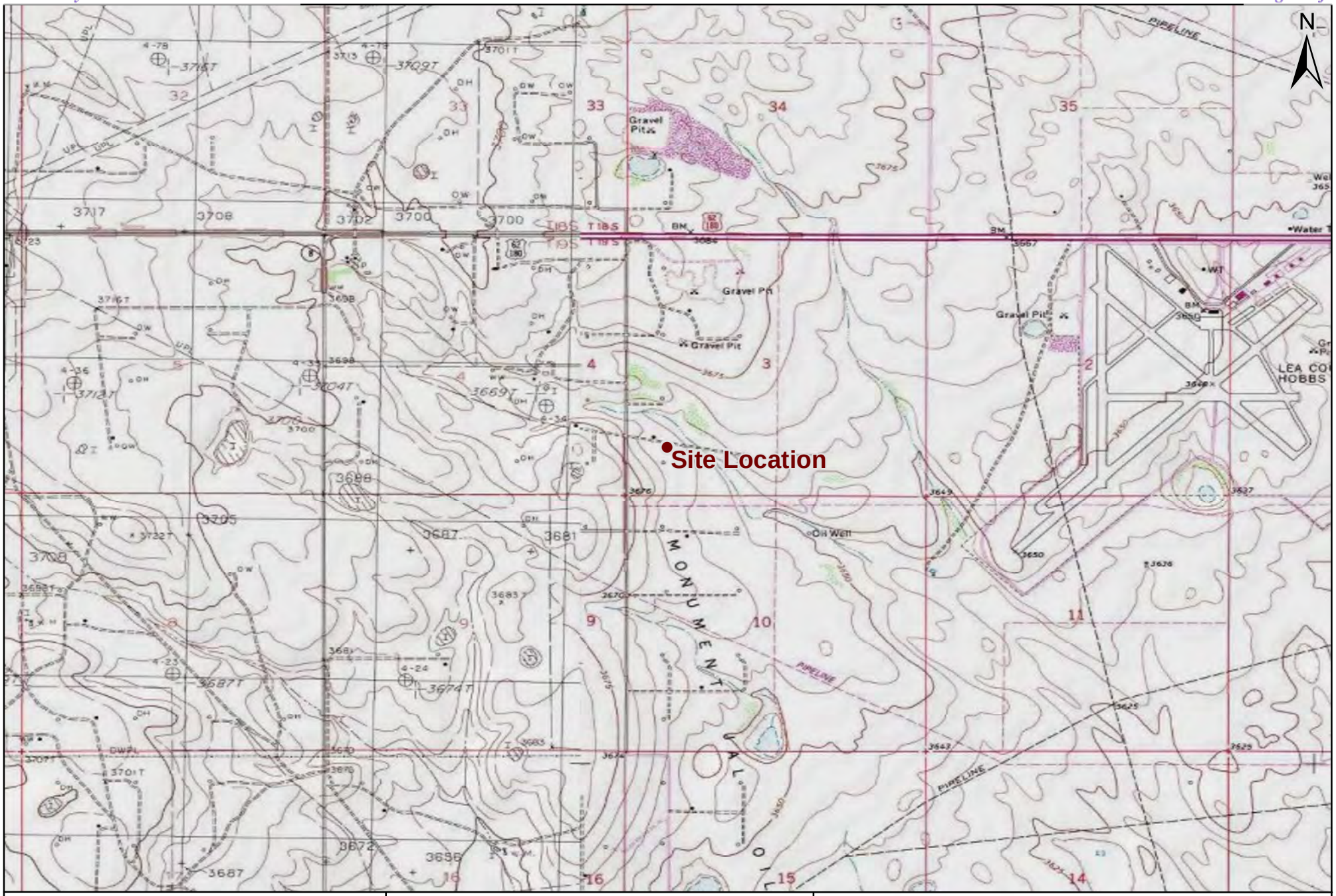
• The aforementioned corrective actions will be completed within 45 days of receipt of approval of this proposal by the NMOCD. Upon completion of the proposed tasks, a "Remediation Summary & Closure Request" will be submitted, documenting remediation activities and results of confirmation soil samples.

Enclosures:

Figure 1: Site Location Map
Figure 2: Site Plan
Appendix A: Release Notification & Corrective Action (Form C-141)
Appendix B: Photographs
Appendix C: Closure Criteria Justification
Appendix D: Field Notes

4/7/2020
Ben J. Arguijo
Project Manager

Figures



0.5 0.25 0 0.5

Distance in Miles

Figure 1
Site Location Map
OXY USA, Inc.
East Eumont Battery
Lea County, New Mexico

TRINITY OILFIELD SERVICES

Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
April 6, 2020	Scale: 1" = 0.5mi

Legend

- Auger Hole
- Proposed Excavation (4' bgs)

Figure 2
Site Plan
OXY USA, Inc.
East Eumont Battery
Lea County, New Mexico

TRINITY OILFIELD SERVICES

Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
April 6, 2020	Scale: 1" = 20'

Appendices

Appendix A
Release Notification & Corrective Action (Form C-141)

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: OXY USA Inc.	OGRID: 16696
Contact Name: Wade Dittrich	Contact Telephone: (575) 390-2828
Contact email: Wade_Dittrich@oxy.com	Incident # *(assigned by OCD)*
Contact mailing address P. O. Box 4295, Houston, TX 77210	

Location of Release Source

Latitude 32.684471 Longitude -103.245658
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: East Eumont Battery	Site Type: E&P
Date Release Discovered: February 18, 2020	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
	03	T19S	37E	Lea

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) 10 bbls	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 140 bbls	Volume Recovered (bbls) 120
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: A two-inch dia. discharge line hose failed on a transfer pump		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is a major release because the volume released was greater than 25 barrels equivalent.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Wade Dittrich notified enmrd-ocd-district1spills@state.nm.us on February 20, 2020 at 9:05 AM.

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: Ben J. Arguijo (as Agent of OXY USA, Inc.) Title: Environmental Project Manager

Signature: Date: 3/13/2020

email: ben@trinityoilfieldservices.com Telephone: (575)390-7208

OCD Only

Received by: Date:

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: **East Eumont Battery** (32.684471,-103.245658) **Date of Spill:** 2/18/2020

Site Soil Type: Kimbro-Lea Complex sandy clay and gravelly sand, 0%-3% percent slopes, eroded

Estimated Daily Production Loss: 10 BBL Oil 140 BBL Water

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	74.0 ft	X	26 ft	X	3.35 in	0%
Rectangle Area #2	24 ft	X	14 ft	X	3.35 in	0%
Rectangle Area #3	28 ft	X	10.5 ft	X	3.35 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.19 gal per gal (interpolated between a sandy clay and a gravelly sand)

Saturated Soil Volume Calculations:

		H2O	OIL
Area #1	1,924 sq. ft.	537 cu. ft.	cu. ft.
Area #2	336 sq. ft.	94 cu. ft.	cu. ft.
Area #3	294 sq. ft.	82 cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	**2,554 sq. ft.**	**713 cu. ft.**	**cu. ft.**

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	24.1 BBL	0.0 BBL
Liquid Recovered :	4.0 BBL	2.0 BBL
Spill Liquid	**28.1 BBL**	**2.0 BBL**
Total Spill Liquid:	**30.1**	

Recovered Volumes

Estimated oil recovered: 2.00 **BBL**

Estimated water recovered: 118.0 **BBL**

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

Appendix B
Photographs

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking North)

Release (Looking Northwest)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking West-Northwest)

Release (Looking West)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking Northwest)

Release (Looking Northwest)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking West)

Release (Looking Southwest)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking West-Southwest)

Release (Looking Southwest)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking Southeast)

Release (Looking South-Southeast)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking South)

Release (Looking East-Southeast)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking South-Southeast)

Release (Looking East-Northeast)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (Looking East)

Release (Looking Southeast)

OXY USA, Inc. – East Eumont Battery

Unit Letter "M" (SW/SW), Section 3, Township 19S, Range 37E

Release (East-Southeast)

Appendix C
Closure Criteria Justification

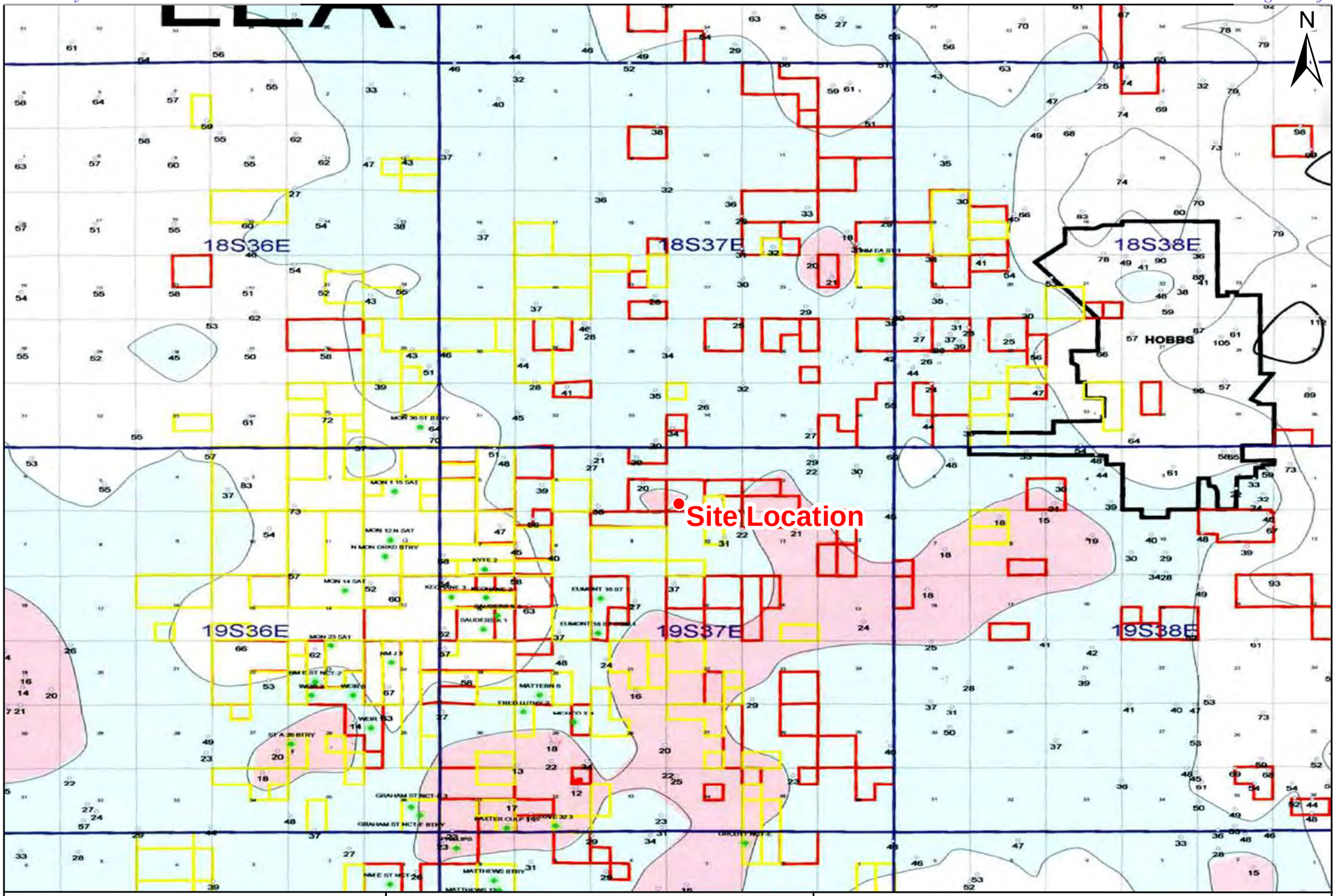
CLOSURE CRITERIA JUSTIFICATION

OXY USA, INC.
EAST EUMONT BATTERY
LEA COUNTY, NEW MEXICO

Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	25
Horizontal distance (ft) from all water sources within 0.5 miles?	2,230 - 2,400
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*				
Benzene	**BTEX**	**GRO + DRO**	**TPH**	**Chloride**
10	50	N/A	100	600

*Numerical limits or natural background level, whichever is greater



2 1 0 2

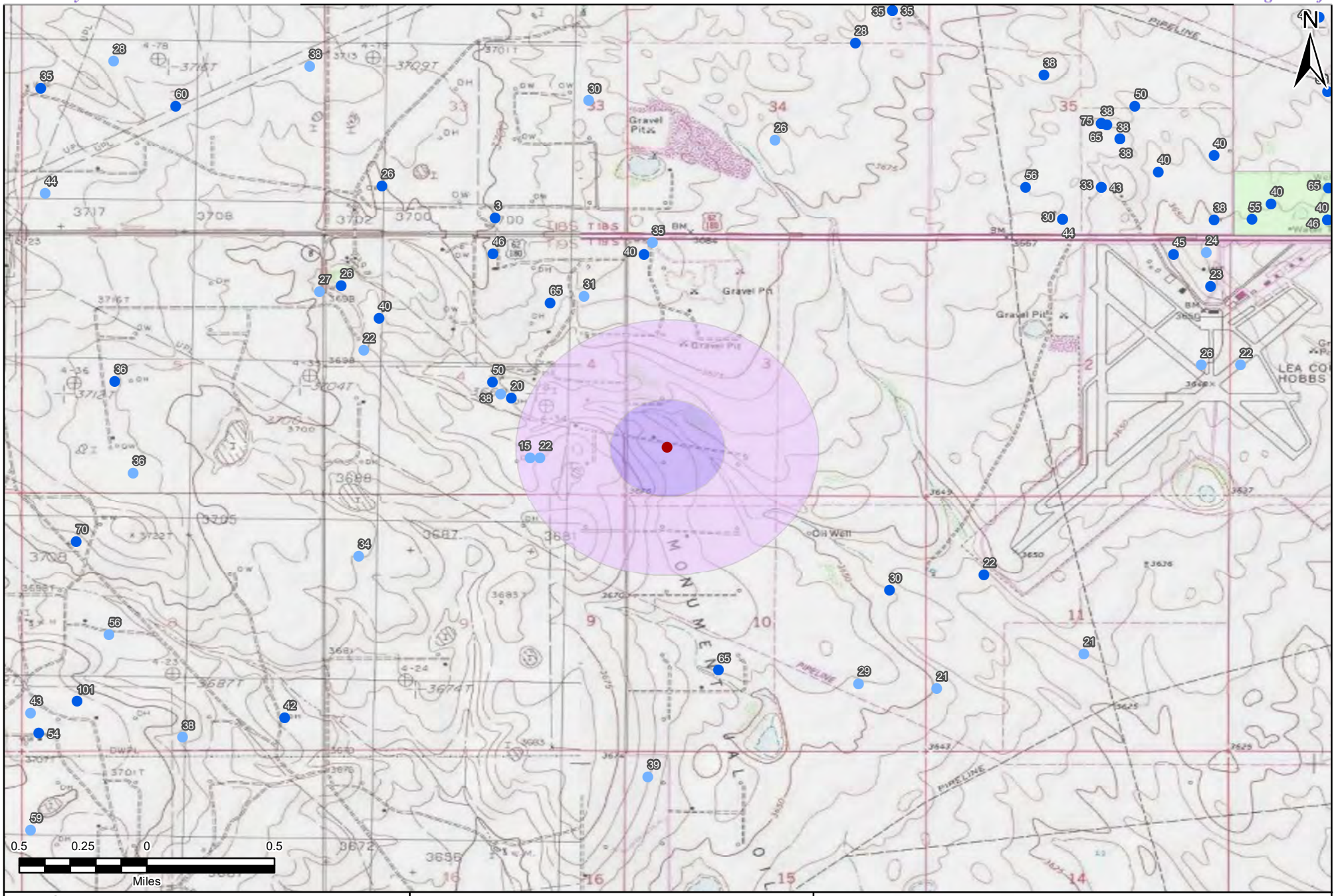
Miles

Figure 3
Depth-to-Groundwater Trend Map
OXY USA, Inc.
East Eumont Battery
Lea County, New Mexico

TRINITY OILFIELD SERVICES

Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
April 6, 2020	Scale: 1" = 2mi



Legend

- 1,000-ft Radius
- 0.5-mi Radius
- FEMA 100-Year Flood Zone
- Municipal Boundary
- Site Location
- NMOSE Depth to Water (ft)
- USGS Depth to Water (ft Avg.)
- Monitor Well

Figure 4
Vicinity & Wellhead Protection Area Map
OXY USA, Inc.
East Eumont Battery
Lea County, New Mexico

TRINITY OILFIELD SERVICES

Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
April 6, 2020	Scale: 1" = 0.5mi

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 03234		L	LE		1	1	10	19S	37E	664473	3617188*	495	112	26	86
L 04466 POD1		L	LE		1	4	04	19S	37E	663657	3617981*	885	145	20	125
L 03208		L	LE		3	1	10	19S	37E	664479	3616785*	898	100	35	65
L 03403		L	LE		3	1	10	19S	37E	664479	3616785*	898	85	35	50
L 03103		L	LE			1	03	19S	37E	664655	3618597*	928	110	42	68
L 04917		L	LE	1	1	4	04	19S	37E	663556	3618080*	1015	120	50	70
L 07256		L	LE			2	04	19S	37E	663852	3618584*	1104	137	65	72
L 06814		L	LE	4	2	1	03	19S	37E	664950	3618703*	1118	100	30	70
L 11313		L	LE	1	2	1	03	19S	37E	664838	3618851	1218	180		
L 08559		L	LE	1	1	1	03	19S	37E	664348	3618897*	1222	121	40	81
L 13109 POD1		L	LE	4	2	1	03	19S	37E	665052	3618818	1267	20		
L 06125 POD1		L	LE	3	2	3	10	19S	37E	664787	3616289*	1425	150	65	85
L 01752		L	LE		4	2	10	19S	37E	665686	3616805*	1483	133	30	103
L 12029 POD1		L	LE	3	3	3	02	17S	37E	665881	3618292	1518	202		
L 06216	R	L	LE	1	1	2	04	19S	37E	663544	3618885*	1529	166	46	120
L 03516		L	LE		3	3	34	18S	37E	664457	3619226*	1543	106	45	61
L 03190		L	LE		4	4	33	18S	37E	664055	3619221*	1598	112	43	69
L 03181		L	LE	2	3	3	10	19S	37E	664591	3616080*	1606	130	35	95

Average Depth to Water: **40 feet**
Minimum Depth: **20 feet**
Maximum Depth: **65 feet**

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 664490.47 **Northing (Y):** 3617682.95 **Radius:** 1610

***UTM location was derived from PLSS - see Help**

Click to hideNews Bulletins

- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324102103150801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324102103150801 19S.37E.04.412231

Lea County, New Mexico
Latitude 32°41'02", Longitude 103°15'08" NAD27
Land-surface elevation 3,681 feet above NAVD88
The depth of the well is 120 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? S n
1966-02-17		D	22.32			2		U		
1971-01-20		D	23.02			2		U		
1976-06-10		D	20.26			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.

Section	Code	Description
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Click to hideNews Bulletins

- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324102103151001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324102103151001 19S.37E.04.41200

Lea County, New Mexico
Latitude 32°41'02", Longitude 103°15'10" NAD27
Land-surface elevation 3,680 feet above NAVD88
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? S n
1961-02-27		D	14.67			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
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Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-04-06 16:16:00 EDT
0.28 0.26 nadww01

Appendix D
Field Notes

Job Site: East Eumont Client:

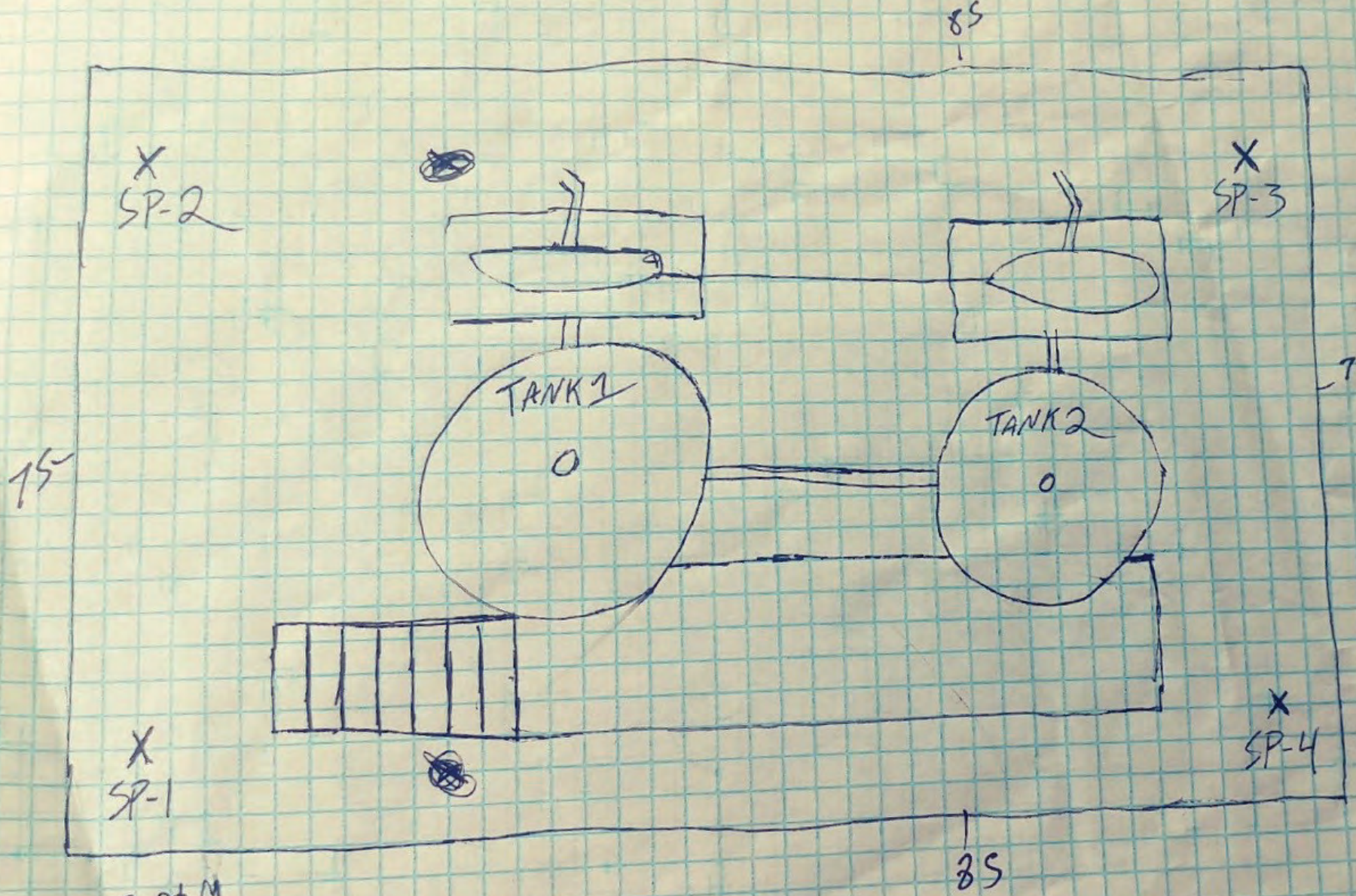
Date: 3/17/20

Sample Name	Time	Depth	Chloride	TPH	Composite (Y/N)
SP1 Surf		S	149	Y	
SP1 @1		1	149		
SP1 @2		2	449		
SP2 Surf		S	149		
SP2@1		1	299		
SP2@2		2	599	↓	
SP-3 @ Surface		0'	-	Y	N
SP-3 @ 1'		1'	-	Y	N
SP3@2'		2'	-	Y	N
SP4 @ Surface		0'	-	Y	N
SP4@1'		1'	-	Y	N
SP4@2'		2'	-	Y	N

Notes/Comments:

Site Sketch

EAST
EUMONT



3 of M
+ SL
N of S
+ 98