



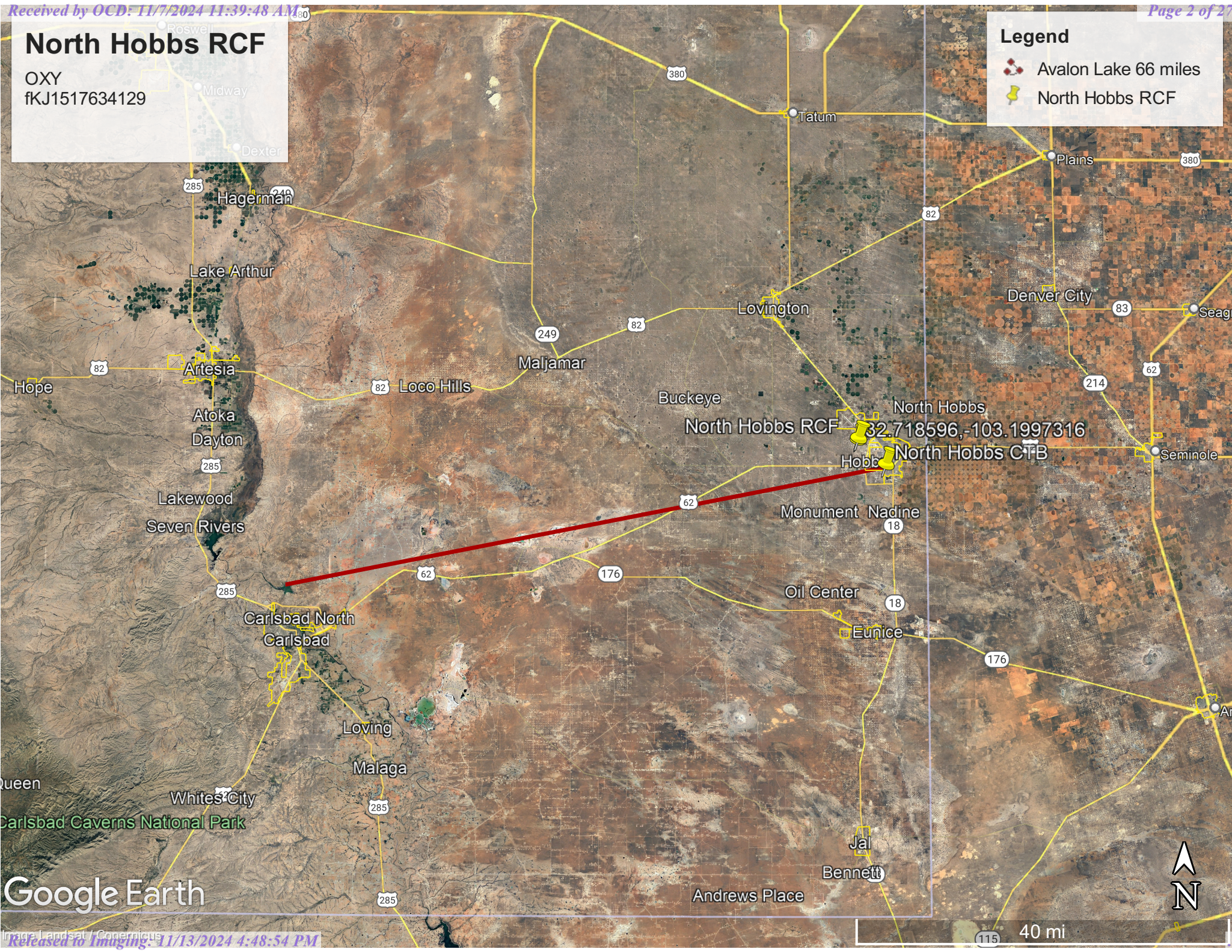
CO2%	88.02%		
HC%	11.98%		
Flare Volume	69 mscfd		
HC Volume	8.2662 mscfd	NHU CTB	80.94
CO2 Volume	60.7338 mscfd	SHU CTB	81.28
		NHU WIB	93.595
		NHU NIB	94.461
		SHU RCF	87.31
		NHU RCF	88.02
		South Indian Basin CMPR STA	0.446

North Hobbs RCF

OXY
fKJ1517634129

Legend

-  Avalon Lake 66 miles
-  North Hobbs RCF



Google Earth

North Hobbs RCF

OCD Facility ID: fKJ1517634129



1000 ft

Map Unit Description: Kimbrough gravelly loam, dry, 0 to 3 percent slopes---Lea County, New Mexico

NHU RCF.1

Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43

Elevation: 2,500 to 4,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry

Setting

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam

Bw - 3 to 10 inches: loam

Bkkm1 - 10 to 16 inches: cemented material

Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 4 to 18 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 95 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Map Unit Description: Kimbrough gravelly loam, dry, 0 to 3 percent slopes---Lea County, New Mexico

NHU RCF.1

Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice

Percent of map unit: 10 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

NHU RCF.2

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46

Elevation: 2,500 to 4,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent

Lea and similar soils: 25 percent

Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Concave, linear

Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam

Bw - 3 to 10 inches: loam

Bkkm1 - 10 to 16 inches: cemented material

Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 4 to 18 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 95 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

NHU RCF.2

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

NHU RCF.2

Kenhill

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY038TX - Clay Loam 12-17" PZ

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

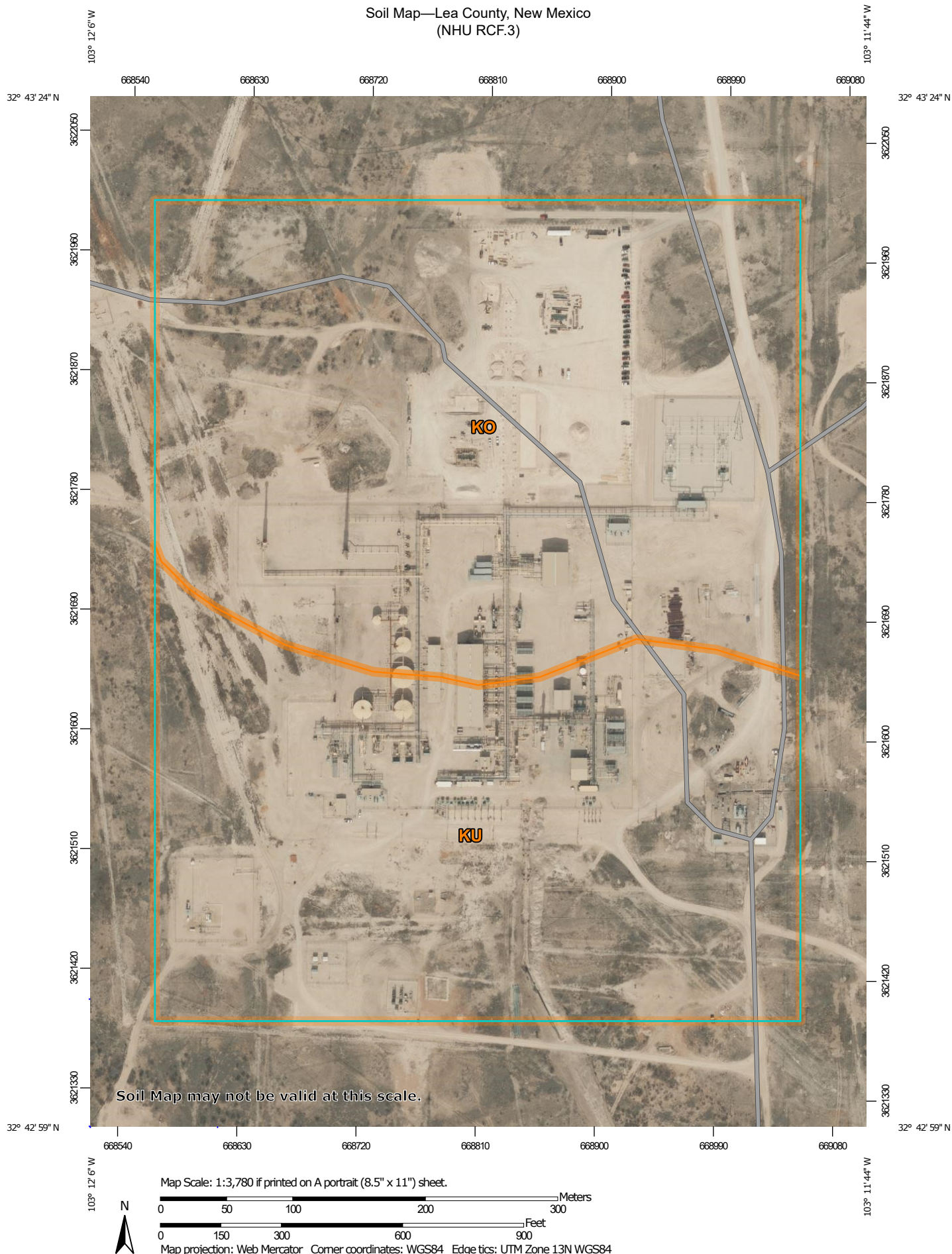
Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024



Soil Map—Lea County, New Mexico
(NHU RCF.3)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/24/2024
Page 1 of 3

Soil Map—Lea County, New Mexico
(NHU RCF.3)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



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



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	41.1	55.0%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	33.6	45.0%
Totals for Area of Interest		74.6	100.0%



Record Count: 126

Page 12 of 27

Basin/County Search:

County: LE

PLSS Search:

Range: 38E

Township: 18S

Section: 25

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed unders warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or sui the data.

September 27, 2024 08:00 AM MST

Page 5 of 5

Link:

Browse...

Transparency:

Clear

Opaque

Description

View

Altitude

Refresh

Location

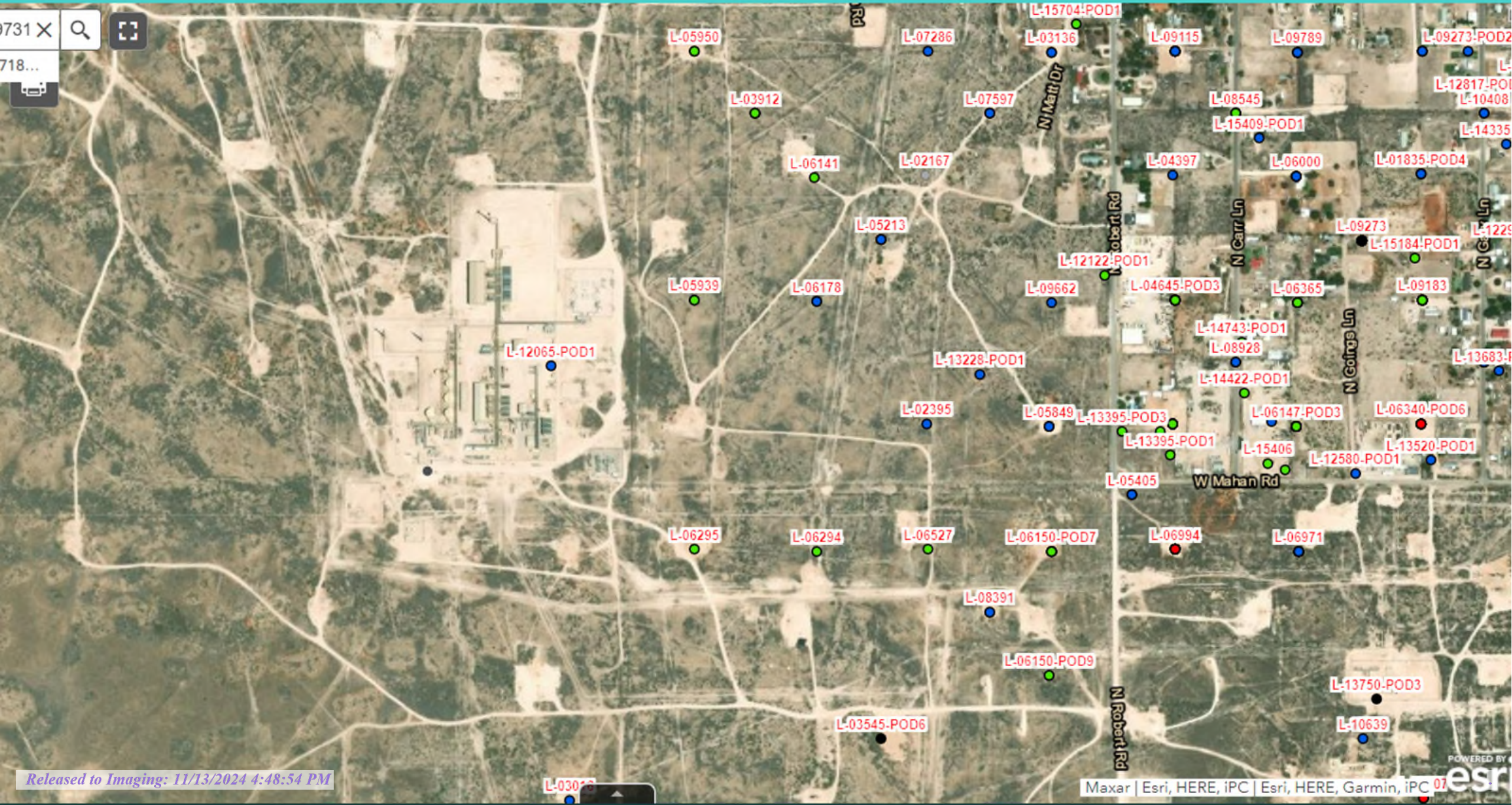
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East: 103°11'44.21"W

South: 32°43'6.81"N

West: 103°12'7.88"W

Rotation: 0.0000





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 smallest to largest)

(In feet)






























POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
L 00422 POD3		L	LE	NE	NE	SE	25	18S	38E	678592.0	3621566.0 *		150	101	49
L 01810 POD1		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		102	75	27
L 02309		L	LE				25	18S	38E	677897.0	3621645.0 *		100	70	30
L 02345		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		124	64	60
L 02431		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		110	55	55
L 02886		L	LE	SE	SW	SE	25	18S	38E	678197.0	3620956.0 *		100	62	38
L 02950		L	LE		NE	SE	25	18S	38E	678493.0	3621467.0 *		122	78	44
L 03439		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *		130	56	74
L 03662		L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		118	60	58
L 03899		L	LE	NE	SW	NE	25	18S	38E	678182.0	3621961.0 *		130	75	55
L 04299		L	LE	NW	SE	SE	25	18S	38E	678399.0	3621163.0 *		140	100	40
L 04299	R	L	LE	NW	SE	SE	25	18S	38E	678399.0	3621163.0 *		140	100	40
L 04299 POD3		L	LE	NE	SW	SE	25	18S	38E	678197.0	3621156.0 *		135	70	65
L 04759		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *		122	50	72
L 06438		L	LE	SE	SE	SE	25	18S	38E	678599.0	3620963.0 *		115	85	30
L 06744		L	LE	SW	SE	SE	25	18S	38E	678399.0	3620963.0 *		115	72	43
L 06829		L	LE	SE	SE	NW	25	18S	38E	677780.0	3621754.0 *		124	96	28
L 07120		L	LE		NW	SW	25	18S	38E	677286.0	3621445.0 *		150	74	76
L 07488	R	L	LE			NE	25	18S	38E	678284.0	3622063.0 *		130		
L 07488 POD2		L	LE			NE	25	18S	38E	678284.0	3622063.0 *		156	104	52
L 07504		L	LE	NE	SW	SE	25	18S	38E	678197.0	3621156.0 *		125	85	40
L 07599		L	LE		SE	SE	25	18S	38E	678500.0	3621064.0 *		130	80	50
L 07726		L	LE	SW	NE	SE	25	18S	38E	678392.0	3621366.0 *		130	82	48
L 07850		L	LE	NW	SW	SE	25	18S	38E	677997.0	3621156.0 *		150	80	70
L 07853		L	LE	NE	SW	NE	25	18S	38E	678182.0	3621961.0 *		185	95	90
L 07876		L	LE		SE	SE	25	18S	38E	678500.0	3621064.0 *		160	80	80

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POD suffix indicates
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replaced
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water right file.)

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

(quarters are smallest
to largest)

(In feet)






























POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
L 07938	R	L	LE	NW	SW	SE	25	18S	38E	677997.0	3621156.0 *		135	85	50
L 07938 POD2		L	LE	NW	SW	SE	25	18S	38E	678113.6	3621301.7		210		
L 08145	R	L	LE	NE	NW	NE	25	18S	38E	678175.0	3622364.0 *		150	82	68
L 08145 POD2		L	LE		NW	NE	25	18S	38E	678076.0	3622265.0 *		240	120	120
L 08262		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		130	98	32
L 08285		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		150	90	60
L 08413		L	LE		NW	SW	25	18S	38E	677286.0	3621445.0 *		130	78	52
L 08443		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		130	84	46
L 08496		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		150	72	78
L 08685		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		135	70	65
L 08686		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		130	100	30
L 08710		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		130	68	62
L 08757		L	LE		SW		25	18S	38E	677495.0	3621243.0 *		130	82	48
L 08777		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		130	96	34
L 08779		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		130	82	48
L 08805		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		150	97	53
L 08807		L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		130	95	35
L 08826		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		150	97	53
L 08843		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		130	82	48
L 08863		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		150	92	58
L 08891		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		135	60	75
L 08900		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		140	82	58
L 08917		L	LE	NW	SW	SE	25	18S	38E	677997.0	3621156.0 *		150	82	68
L 08939		L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		130	95	35
L 08953		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		150	80	70
L 08970		L	LE		NW	NE	25	18S	38E	678076.0	3622265.0 *		160	108	52
L 09695		L	LE		SE	SE	25	18S	38E	678500.0	3621064.0 *		150	94	56
L 09731		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		160	97	63
L 09903		L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		157	135	22

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(quarters are smallest
to largest)

(In feet)






























POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
L 09927		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		150	92	58
L 10168		L	LE	SE	SE	SE	25	18S	38E	678599.0	3620963.0 *		190	100	90
L 10219	R	L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		173	70	103
L 10219 POD2		L	LE	SE	NW	SE	25	18S	38E	678232.6	3621319.2		267	160	107
L 10239		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		168	79	89
L 10240	R	L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		120	90	30
L 10240 POD2		L	LE	SW	NW	SE	25	18S	38E	678121.5	3621301.8		215		
L 10253	R	L	LE	SE	NE	SE	25	18S	38E	678592.0	3621366.0 *		180	99	81
L 10253 POD2		L	LE	SE	NE	SE	25	18S	38E	678513.7	3621358.2		243	135	108
L 10257	R	L	LE	SE	SW	SE	25	18S	38E	678260.1	3620937.1		162	90	72
L 10257 POD2		L	LE	SE	SW	SE	25	18S	38E	678260.1	3620937.1		282	165	117
L 10260		L	LE	SE	NE	SE	25	18S	38E	678592.0	3621366.0 *		160	90	70
L 10261	R	L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		160	90	70
L 10262		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		160	90	70
L 10263		L	LE	SE	SW	SE	25	18S	38E	678197.0	3620956.0 *		155	65	90
L 10264 POD2		L	LE		SE	SE	25	18S	38E	678500.0	3621064.0 *		170	118	52
L 10268		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *		160	90	70
L 10269	R	L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *		160	90	70
L 10274		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		160	90	70
L 10275	R	L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0		160	90	70
L 10275 POD2		L	LE	SE	NW	SE	25	18S	38E	678274.3	3621374.2		265	160	105
L 10292		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *		160	90	70
L 10366		L	LE		NE	SW	25	18S	38E	677689.0	3621452.0 *		168	70	98
L 10422		L	LE			SE	25	18S	38E	678299.0	3621258.0 *		215	90	125
L 10429		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		146	89	57
L 10600		L	LE			SE	25	18S	38E	678299.0	3621258.0 *		158	75	83
L 10682	R	L	LE			SE	25	18S	38E	678299.0	3621258.0 *		160		
L 10682 POD2		L	LE	NE	SW	SE	25	18S	38E	678260.8	3621242.1		245	162	83
L 10683	R	L	LE			SE	25	18S	38E	678299.0	3621258.0 *		170	105	65

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(In feet)














POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
L 10836		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		202	98	104
L 10857		L	LE	SW	NE	SE	25	18S	38E	678336.5	3621367.3		285	170	115
L 10863		L	LE			SE	25	18S	38E	678299.0	3621258.0 *		200	110	90
L 10944		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		176		
L 10950		L	LE		SW	NE	25	18S	38E	678083.0	3621862.0 *		200	114	86
L 11083		L	LE		SW	SE	25	18S	38E	678098.0	3621057.0 *		200	87	113
L 11275		L	LE		NW	NE	25	18S	38E	678076.0	3622265.0 *		240	120	120
L 11304		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *		200		
L 11318		L	LE	SE	SE	SE	25	18S	38E	678599.0	3620963.0 *		145	102	43
L 11324		L	LE	NW	SE	SE	25	18S	38E	678399.0	3621163.0 *		160	110	50
L 11654		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *		215		
L 11846		L	LE	SE	NW	SE	25	18S	38E	678190.0	3621359.0 *		175	122	53
L 11923 POD1		L	LE	NE	NW	NW	25	18S	38E	677371.0	3622349.0 *		231		
L 12025 POD1		L	LE	SE	NW	SE	25	18S	38E	678198.2	3621377.2		273		
L 12035 POD1		L	LE	SE	SE	SW	25	18S	38E	677840.8	3620961.6		214		
L 12037 POD1		L	LE	SW	NW	SE	25	18S	38E	677919.5	3621378.3		235		
L 12067 POD1		L	LE	SW	NW	SE	25	18S	38E	678074.4	3621310.2		235		
L 12172 POD1		L	LE	SW	NE	SE	25	18S	38E	678311.5	3621308.3		235		
L 12195 POD1		L	LE	NE	NW	SE	25	18S	38E	678136.2	3621644.1		235		
L 12444 POD1		L	LE	NE	NW	SE	25	18S	38E	678149.2	3621641.3		280	200	80
L 12590 POD1		L	LE	NW	NE	SW	25	18S	38E	677531.8	3621651.8		215		
L 12723 POD1		L	LE	SW	NW	SE	25	18S	38E	678080.4	3621415.1		235		
L 12860 POD1		L	LE	SE	NE	SE	25	18S	38E	678563.9	3621376.0		208		
L 12863 POD1		L	LE	NE	SE	NW	25	18S	38E	677714.8	3621904.6		250		
L 13134 POD1		L	LE	NW	NE	NE	25	18S	38E	678373.8	3622477.2		275		
L 13241 POD1		L	LE	NW	NW	SE	25	18S	38E	677964.5	3621628.7		240		
L 13368 POD1		L	LE	NW	NW	SE	25	18S	38E	678034.9	3621626.9		235	163	72
L 13388 POD1		L	LE	SW	NW	NE	25	18S	38E	678013.0	3622267.3		270		
L 13444 POD1		L	LE	SW	NW	SE	25	18S	38E	678067.9	3621381.0		275	142	133

(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 smallest
to largest)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
L 13454 POD1		L	LE	SE	SW	NE	25	18S	38E	678136.4	3621700.8		264	171	93
L 13461 POD1		L	LE	SW	NW	SE	25	18S	38E	678031.7	3621371.1		235		
L 13498 POD1		L	LE	SE	NW	SE	25	18S	38E	678114.0	3621280.1		301	150	151
L 13579 POD1		L	LE	SE	SE	SE	25	18S	38E	678582.3	3621020.5		236	140	96
L 13603 POD1		L	LE	SW	SW	SE	25	18S	38E	677926.9	3620965.6		282		
L 13743 POD1		L	LE	SW	NE	SE	25	18S	38E	678478.1	3621311.3		272	140	132
L 13812 POD1		L	LE	NW	NW	SE	25	18S	38E	678013.2	3621531.0		264	127	137
L 13924 POD1		L	LE	NE	SE	SE	25	18S	38E	678582.5	3621153.0		292	184	108
L 14065 POD1		L	LE	NE	SW	SE	25	18S	38E	678139.5	3621064.0		241	100	141
L 14921 POD1		L	LE	SW	NW	SE	25	18S	38E	678070.0	3621428.8		235	120	115
L 14965 POD1		L	LE	NE	NW	SE	25	18S	38E	678164.7	3621474.5		300	155	145
L 14966 POD1		L	LE	SW	NW	SE	25	18S	38E	677992.1	3621309.1		300		
L 15642 POD1		L	LE	NW	NW	SE	25	18S	38E	678043.4	3621442.2		213	132	81

Average Depth to Water: 99 feet

Minimum Depth: 50 feet

Maximum Depth: 200 feet

Record Count: 126

Basin/County Search:

County: LE

PLSS Search:

Range: 38E

Township: 18S

Section: 25

* UTM location was derived from PLSS - see Help

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.

Took compressor down to have maintenance crew change out oil filters, because we were 1 pressure away from shutting down compressor on low oil pressure.



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

QUESTIONS

Action 400342

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2431235663
Incident Name	NAPP2431235663 NORTH HOBBS RCF @ 0
Incident Type	Flare
Incident Status	Remediation Closure Report Received
Incident Facility	[fKJ1517634129] NORTH HOBBS RECOMPRESSION FACILITY & GAS PLANT

Location of Release Source	
Please answer all the questions in this group.	
Site Name	North Hobbs RCF
Date Release Discovered	10/31/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Flare
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Producing Well Natural Gas Flared Released: 8 MCF Recovered: 0 MCF Lost: 8 MCF.
Other Released Details	Cause: Equipment Failure Producing Well Carbon Dioxide Released: 61 MCF Recovered: 0 MCF Lost: 61 MCF.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 11/07/2024
--	--

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QUESTIONS, Page 3

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID:
	157984
	Action Number:
	400342
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Zero feet, overlying, or within area
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/31/2024
On what date will (or did) the final sampling or liner inspection occur	10/31/2024
On what date will (or was) the remediation complete(d)	10/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	This is a CO2 gas release only and NO spills occurred.
<small>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</small>	
<p>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.</p>	
I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 11/07/2024
<small>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</small>	

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QUESTIONS, Page 5

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	400340
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/31/2024
What was the (estimated) number of samples that were to be gathered	0
What was the sampling surface area in square feet	0

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	This is a CO2 gas release only and NO spills occurred.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 11/07/2024
--	--

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QUESTIONS, Page 7

Action 400342

QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 400342

CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 400342
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	CO2 release. Closure approved.	11/13/2024