CO2%	93.60%		
HC%	6.41%		
Flare Volume	341 mscfd		
HC Volume	21.84105 mscfd	NHU CTB 80.94	
CO2 Volume	319.159 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 S	TA 0.446





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

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

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

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

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

NH WIB.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



Received by OCD: 12/12/2024 10:36:50 AM



Released to Imaging: 1/2/2025 11:20:52 AM

Web Soil Survey National Cooperative Soil Survey

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ко	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	40.8	55.2%
КU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	33.2	44.8%
Totals for Area of Interest		74.0	100.0%







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)			(quarts to larg	ers are sr est)	nallest								(In feet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Y	Мар	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	185	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 *	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*	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*	0	140	100	40
L 04299 POD3		L	LE	NE	sw	SE	25	18S	38E	678197.0	3621156.0 *	0	135	70	65
L 04759		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0*	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	185	38E	677286.0	3621445.0*		150	74	76
L 07488	R	L	LE			NE	25	18S	38E	678284.0	3622063.0*	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	185	38E	678500.0	3621064.0*		130	80	50
L 07726		L	LE	SW	NE	SE	25	18S	38E	678392.0	3621366.0 *	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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Water Column/Average Depth to Water

the POD has been replaced, replaced O=orphaned, & no longer serves a C=the file is water right file.) closed)				(quarters are smallest to largost) (In feet)											
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Y	Мар	Well Depth	Depth Water	Water Colum
L 07938	R	L	LE	NW	sw	SE	25	185	38E	67 <mark>799</mark> 7.0	3621156.0 *	•	135	85	50
L 07938 POD2		L	LE	NW	SW	SE	25	185	38E	678113.6	3621301.7		210		
L 08145	R	L	LE	NE	NW	NE	25	18S	38E	678175.0	3622364.0*	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	185	38E	678098.0	3621057.0 *	0	130	98	32
L 08285		L	LE		NW	SE	25	185	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	185	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	185	38E	677990.0	3621359.0*	0	135	70	65
L 08686		L	LE	SW	NW	SE	25	18S	38E	677990.0	3621359.0 *	0	130	100	30
L 08710		L	LE		NW	SE	25	185	38E	678091.0	3621460.0 *		130	68	62
L 08757		L	LE			SW	25	185	38E	677495.0	3621243.0 *	•	130	82	48
L 08777		L	LE		NW	SE	25	185	38E	678091.0	3621460.0 *	•	130	96	34
L 08779		L	LE		NW	SE	25	185	38E	678091.0	3621460.0 *		130	82	48
L 08805		L	LE	SW	NW	SE	25	185	38E	67 <mark>7</mark> 990.0	3621359.0 *		150	97	53
L 08807		L	LE	SE	NW	SE	25	185	38E	678190.0	3621359.0 *		130	95	35
L 08826		L	LE	SW	NW	SE	25	185	38E	677990.0	3621359.0*	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*	0	150	92	58
L 08891		L	LE		NW	SE	25	18S	38E	678091.0	3621460.0 *	0	135	60	75
L 08900		L	LE		NW	SE	25	185	38E	678091.0	3621460.0*	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	185	38E	678091.0	3621460.0*	•	150	80	70
L 08970		L.	LE		NW	NE	25	18S	38E	678076.0	3622265.0*	0	160	108	52
L 09695		L	LE		SE	SE	25	185	38E	678500.0	3621064.0 *	0	150	94	56
L 09731		L	LE		NW	SE	25	185	38E	678091.0	3621460.0 *		160	97	63
L 09903		L	LE	ŚE	NW	SE	25	18S	38E	678190.0	3621359.0 *		157	135	22

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Water Column/Average Depth to Water

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Received by OCD: 12/12/2024 10:36:50 AM

(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)			(quarte to larg	ers are si ost)	nallest								(In feet	Ē
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	¥	Мар	Well Depth	Depth Water	Water Column
L 09927		L	LE		SW	NE	25	185	38E	678083.0	3621862.0 *	۲	150	92	58
L 10168		L	LE	SE	SE	SE	25	185	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	185	38E	677990.0	3621359.0 *		120	90	30
L 10240 POD2		L	LE	SW	NW	SE	25	185	38E	678121.5	3621301.8	0	215		
L 10253	R	L	LE	SE	NE	SE	25	185	38E	678592.0	3621366.0*		180	99	81
L 10253 POD2		L	LE	SE	NE	SE	25	18S	38E	678513.7	3621358.2	0	243	135	108
L 10257	R	L	LE	SE	SW	SE	25	185	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 *	0	155	65	90
L 10264 POD2		L	LE		SE	SE	25	185	38E	678500.0	3621064.0 *	0	170	118	52
L 10268		L	LE	NE	SE	SE	25	18S	38E	678599.0	3621163.0 *	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	388	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	185	38E	677990.0	3621359.0 *	0	160	90	70
L 10366		L	LE		NE	SW	25	185	38E	677689.0	3621452.0*		168	70	.98
L 10422		L	LE			SE	25	185	38E	678299.0	3621258.0*	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	185	38E	678299.0	3621258.0*	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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Water Column/Average Depth to Water

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the POD has been replaced & no longer serves a water right file.)		(quarters are smallest to largest)										(In feet)			
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	¥	Мар	Well Depth	Depth Water	Water Column
L 10836		L	LE		SW	SE	25	185	38E	678098.0	3621057.0*	•	202	98	104
L 10857		L	LE	SW	NE	SE	25	185	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	185	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	185	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	185	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	185	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	185	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	185	38E	678074,4	3621310.2	•	235		
L 12172 POD1		L	LE	SW	NE	SE	25	18S	38E	678311.5	3621308.3	۲	235		
L 12195 POD1		L	LE	NE	NW	SE	25	185	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	185	38E	677714.8	3621904.6	•	250		
L 13134 POD1		L	LE	NW	NE	NE	25	185	38E	678373.8	3622477.2	0	275		
L 13241 POD1		L	LE	NW	NW	SE	25	185	38E	677964.5	3621628.7	0	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	185	38E	678013.0	3622267.3		270		
L 13444 POD1		L	LE	SW	NW	SE	25	185	38E	678067.9	3621381.0		275	142	133

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Water Column/Average Depth to Water

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the POD has been replaced & no longer serves a water right file.)	been replaced, O=orphaned, C=the file is closed)			(quarte to larg	ers are sr est)	nallest								(In feet	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Well Depth	Depth Water	Water Column
L 13454 POD1		L	LE	SE	SW	NE	25	18S	38E	678136.4	3621700.8	۲	264	171	93
L 13461 POD1		L	LE	SW	NW	SE	25	18S	38E	678031.7	3621371.1	0	235		
L 13498 POD1		L	LE	SE	NW	SE	25	18S	38E	678114.0	3621280.1	0	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	677 <mark>9</mark> 26.9	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	0	264	127	137
L 13924 POD1		L	LE	NE	SE	SE	25	18S	38E	678582.5	3621153.0	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	0	213	132	81

Average Depth to Water: 99 feet

Minimum Depth: 50 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 I warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpos the data.

Power line tech was troubleshooting bad line fuse for injection pump 1 at the battery and tripped the wrong fuse causing the facility to go AC Power fail and esd facility and satellites 19C/ 24C/ 24ROZ we could not see anything remotely here in the CR and night analyst could not log into Nexxus to check well status at battery we had no remote access here in the CR field operations went through facilities to verify that all were esd and once night analyst could log in remotely through nexxus he verified all wells to battery took shutdown and had PFA shut in wells at Satellite headers.



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

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QUESTIONS

Action 410276

QUESTIO	NS
Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	410276
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Incident ID (n#) nAPP2434532799 Incident Name NAPP2434532799 NORTH HOBBS WIB @ 0	Prerequisites	
Incident Name NAPP2434532799 NORTH HOBBS WIB @ 0	Incident ID (n#)	nAPP2434532799
	Incident Name	NAPP2434532799 NORTH HOBBS WIB @ 0
Incident Type Flare	Incident Type	Flare
Incident Status Remediation Closure Report Received	Incident Status	Remediation Closure Report Received
Incident Facility [fAPP2126544726] NORTH HOBBS UNIT WIB	Incident Facility	[fAPP2126544726] NORTH HOBBS UNIT WIB

Location of Release Source

Please answer all the questions in this group).
---	----

Site Name	North Hobbs WIB
Date Release Discovered	11/21/2024
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: 22 MCF Recovered: 0 MCF Lost: 22 MCF.	
Other Released Details	Cause: Equipment Failure Producing Well Carbon Dioxide Released: 319 MCF Recovered: 0 MCF Lost: 319 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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State of New Mexico Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

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Action 410276

QUESTIONS (continued)	
Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	410276
	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	Unavailable.	
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.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety 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	Not answered.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 12/12/2024	

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

QUESTIONS (continued)

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	410276
	Action Type:
	IC 1411 Remediation Closure Request C 141 (C 141 v Closure)

QUESTIONS

Site Characterization

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.

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 an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Zero feet, overlying, or within area
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.		
Requesting a remediation plan approval with	this submission	Yes
Attach a comprehensive report demonstrating the latera	al and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contan	nination been fully delineated	Yes
Was this release entirely contained within a li	ned containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0	or SM4500 CI B)	0
TPH (GRO+DRO+MRO) (EPA SW-846	Method 8015M)	0
GRO+DRO (EPA SW-8	46 Method 8015M)	0
BTEX (EPA SW-8	46 Method 8021B or 8260B)	0
Benzene (EPA SW-8	46 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site which includes the anticipated timelines for beginning a		forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence 11/21/2024		
On what date will (or did) the final sampling o	r liner inspection occur	11/21/2024
On what date will (or was) the remediation co	mplete(d)	11/21/2024
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		0
What is the estimated volume (in cubic yards) that will be remediated 0		0
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.		
The OCD recognizes that proposed remediation measu	res may have to be minimally adjusted in acco	ordance 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.

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS, Page 3

Action 410276

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

QUESTI	ONS (continued)
Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984 Action Number: 410276 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	[U-141] Remediation Closure Request U-141 (U-141-V-Closure)
Remediation Plan (continued)	
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.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	This is a CO2 gas release only and NO spills occurred.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	mowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Shaina Rojas Title: Specialist Environmental Email: Shaina_rojas@oxy.com Date: 12/12/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in acco significantly deviate from the remediation plan proposed, then it should consult with the division to d	rdance with the physical realities encountered during remediation. If the responsible party has any need to etermine if another remediation plan submission is required.

QUESTIONS, Page 4

Action 410276

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division

QUESTIONS, Page 5

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1220 S. St Francis Dr.	
Santa Fe, NM 87505	

QUESTIONS (continued)		
Operator: OCCIDENTAL PERMIAN LTD	OGRID: 157984	
P.O. Box 4294 Houston, TX 772104294	Action Number: 410276	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		

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	Νο	

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

QUESTIONS, Page 6

Action 410276

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QUESTIONS (continued)

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	410276
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	410272
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2024
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.	
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.	
I boroby cares and size off to the above statement	Name: Shaina Rojas Title: Specialist Environmental	

	Name. Shama Nojas
I hereby agree and sign off to the above statement	Title: Specialist Environmental
Thereby agree and sign on to the above statement	Email: Shaina_rojas@oxy.com
	Date: 12/12/2024

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

QUESTIONS (continued)

de le nente (contanted)		
OGRID:		
157984		
Action Number:		
410276		
Action Type:		
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)		
[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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Action 410276

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CONDITIONS

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	410276
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
scwells	CO2 release. Closure approved.	1/2/2025

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