

Electronic C-141 Supplemental Documentation

Goodnight Midstream Permian, LLC Serrano CRP NMOCD Siting


Lea County, New Mexico
Unit Letter C, Section 28, Township 23 South, Range 35 East
Latitude 32.279535 North, Longitude 103.372747 West
NMOCD Reference No. N/A

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240



Matthew Grieco



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

SUPPLEMENTAL SITE CHARACTERIZATION ANSWERS

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.)

Please reference depth to groundwater information packet provided in the C-141 Closure Report

What method was used to determine the depth to groundwater?

NM OSE iWaters Database Search

Please reference depth to groundwater information packet provided in the C-141 Closure Report. It is possible that one or more methods were utilized to make a reasonable determination of probable depth to groundwater.

Did this release impact groundwater or surface water?

Please reference the attached C-141 Closure Report.

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?

Between 1 and 5 (mi.)

Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.

Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?

Between 1 and 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

An occupied permanent residence, school, hospital, institution or church?

Greater than 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?

Between 500 and 1000 (ft.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Any other fresh water well or spring?

Between 500 and 1000 (ft.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Incorporated municipal boundaries or a defined municipal fresh water well field?

Greater than 5 (mi.)

Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.

A wetland?

Between 1 and 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A subsurface mine?

Greater than 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A (non-karst) unstable area?

Between 1 and 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Categorize the risk of this well/site being in a karst geology.

Low

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A 100-year floodplain

Greater than 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Did the release impact areas not on an exploration, development, production, or storage site?

Please reference Figure 3 in the attached C-141 Closure Report and/or the attached Figure.

Supplemental Map Index

- 1 - Site Location
- 2 - OSE Wells and Well Information
- 3 - USGS Wells and Well Information
- 4 - Nearest Significant Watercourse
- 5 - Nearest Lakebed, Sinkhole, or Playa
- 6 - Nearest Residence, School, Hospital, Institution or Church
- 7 - Nearest Fresh Water Well
- 8 - Nearest Incorporated Municipal Boundary
- 9 - Nearest Wetland
- 10 - Nearest Subsurface Mine
- 11 - Local Karst Potential
- 12 - Local Flood Hazards



Basemap Gallery

Imagery

Imagery with Labels

National Geographic

OpenStreetMap

Streets

Terrain with Labels

Topographic

USA Topo Maps

USGS National Map

Topographic

+

-

Home

Refresh

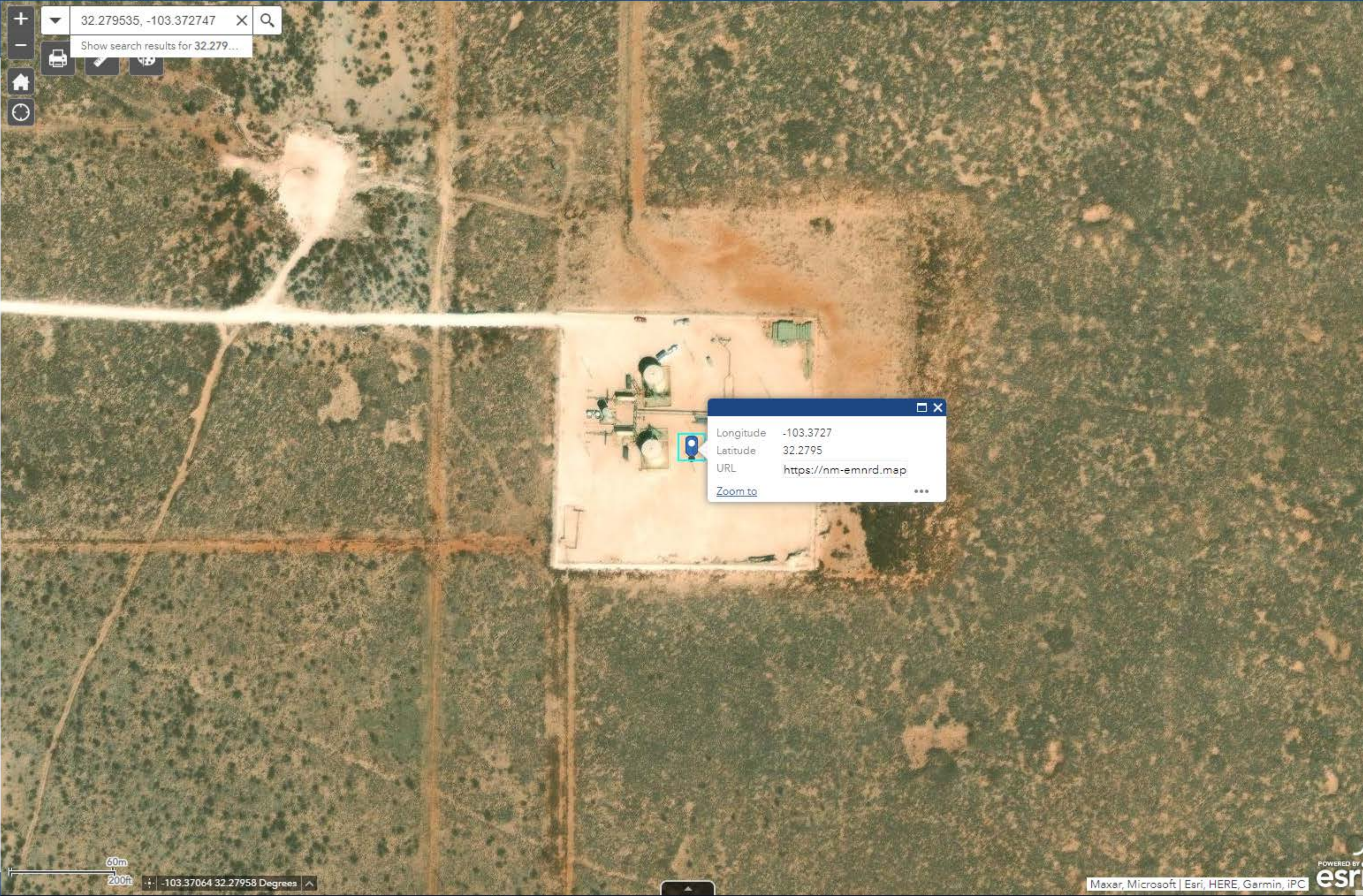
32.279535, -103.372747

Show search results for 32.279...

Print

Layers

Search



Longitude

-103.3727

Latitude

32.2795

URL

<https://nm-emnrd.map>

Zoom to

...



Layer List

Layers

☒ OSE Water PODs ...

- Active
- Pending
- Changed Location of Well
- Inactive
- Plugged
- Capped
- Unknown

☐ M2.5+ Earthquakes (USGS 30-day) ...

☐ NM Oil and Gas Wells ...

☐ USGS Groundwater wells ...

☐ Induced Seismicity Area ...

☐ Permian Basin Karst Areas ...

☐ BLM Oil Gas Leases Case Disp ...

☐ BLM Oil Gas Leases Production Status ...

☐ BLM Fluid Minerals Case ...

☐ BLM FM Agreements Case Disp ...

☐ BLM FM Agreements Production Status ...

☐ BLM FM Participating Areas Case Disp ...

☐ NM SLO Oil and Gas Leases ...

☐ NM SLO Participating Area and Unit Agreement Boundaries ...

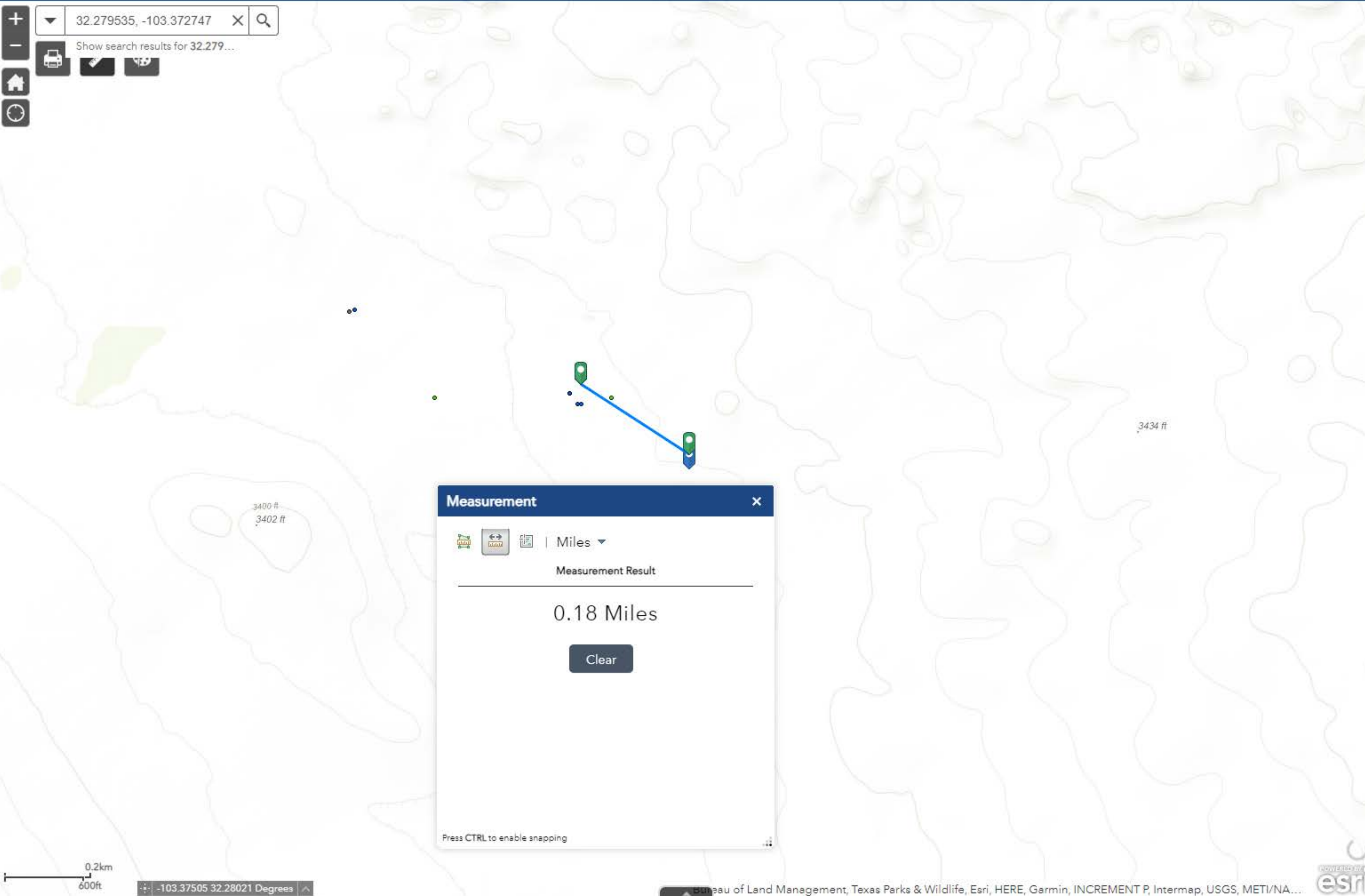
☐ Political Boundaries and Transportation ...

☐ Mineral and Surface Ownership ...

+ 32.279535, -103.372747 X Q

Show search results for 32.279...

Print Measure Full Screen Home Refresh



0.2km
600ft

-103.37505 32.28021 Degrees

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NA...






New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
221C1	CP 01100 POD2	2 1 28 23S 35E	652995	3572726 

x

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 12/02/2018	Drill Finish Date: 12/06/2018	Plug Date:
Log File Date: 03/01/2019	PCW Rcv Date:	Source: Artesian
Pump Type:	Pipe Discharge Size:	Estimated Yield: 88 GPM
Casing Size: 8.00	Depth Well: 750 feet	Depth Water: 125 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	120	230	Sandstone/Gravel/Conglomerate
	610	650	Sandstone/Gravel/Conglomerate
	650	680	Sandstone/Gravel/Conglomerate
	680	740	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	470	750

x

Meter Number: 18925	Meter Make: TURBINES INC
Meter Serial Number: 104497107961	Meter Multiplier: 1.0000
Number of Dials: 7	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/2019	2019	0	A	RPT	installed 1st week January '19	0
07/01/2019	2019	148340	A	RPT		19.120
08/02/2019	2019	164717	A	RPT		2.111
09/01/2019	2019	187774	A	RPT		2.972
10/01/2019	2019	217001	A	RPT		3.767
11/08/2019	2019	251254	A	RPT		4.415
12/03/2019	2019	279755	A	RPT		3.674
02/01/2020	2020	316646	A	RPT		4.755
03/02/2020	2020	349558	A	RPT		4.242
04/01/2020	2020	378792	A	RPT		3.768
05/04/2020	2020	409438	A	RPT		3.950
06/04/2020	2020	447579	A	RPT		4.916
07/02/2020	2020	480586	A	RPT		4.254
08/03/2020	2020	518577	A	RPT		4.897
10/09/2020	2020	593680	A	RPT		9.680
02/05/2021	2021	718994	A	ad		16.152

09/01/2021	2021	901931	A	RPT	23.579
10/05/2021	2021	40856	A	ad	0
11/04/2021	2021	82147	A	ad	5.322
12/14/2021	2021	136208	A	ad	6.968
01/01/2022	2022	146512	A	ad	1.328
02/08/2022	2022	146512	A	ad	0
03/02/2022	2022	146512	A	ad	0
04/01/2022	2022	146512	A	ad	0
05/06/2022	2022	180360	A	ad	4.363
06/07/2022	2022	180360	A	ad	0
10/10/2022	2022	180360	A	ad	0
11/10/2022	2022	180360	A	ad	0
05/09/2023	2023	180360	A	ad	0
06/07/2023	2023	180360	A	ad	0
07/03/2023	2023	180360	A	ad	0
08/09/2023	2023	180360	A	ad	0
09/30/2023	2023	180360	A	ad	0
10/09/2023	2023	180360	A	ad	0

**YTD Meter Amounts:			Year	Amount
			2019	36.059
			2020	40.462
			2021	52.021
			2022	5.691
			2023	0

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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

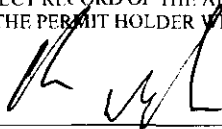
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1100-POD2		WELL TAG ID NO.		OSE FILE NO(S)			
	WELL OWNER NAME(S) Limestone Basin Properties Ranch, LLC				PHONE (OPTIONAL) 210-835-8057			
	WELL OWNER MAILING ADDRESS 3300 N. A Street, Bldg 1, Ste. 220				CITY Midland	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 16	SECONDS 51.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE		103	22			31.3
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 12/02/18		DRILLING ENDED 12/06/18		DEPTH OF COMPLETED WELL (FT) 750	BORE HOLE DEPTH (FT) 752	DEPTH WATER FIRST ENCOUNTERED (FT) 125	
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 266		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (ackl coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	20	ASTM53 GRADE B		15.5	.25	
	20	290	14.75	ASTM53 GRADE B	Welded	8.125	.25	
	290	470	14.75	SDR 17 PVC	Spline	7.6	SDR 17	
470	750	14.75	SDR 17 PVC	Spline	7.6	SDR 17	.032	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	20	Portland I/II Cement	25	Trimmie		
	0	394	14.75	Portland I/II Cement	315	Trimmie		
	394	750	14.75	8/16 Silica Sand	280	Pour		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06-30-17)

FILE NO.	CP-1100	POD NO.	2	TRN NO.	057207
LOCATION	235.35E.28.12		WELL TAG ID NO.	221C1	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Sand	Y ✓ N	
	10	50	40	Red Sand/Caliche	Y ✓ N	
	50	120	70	Red Clay	Y ✓ N	
	120	230	110	Red Clay/Red Sandstone	✓ Y N	8.00
	230	340	110	Red Sandstone/Siltstone	Y ✓ N	
	340	480	140	Red & Tan Sandstone	Y ✓ N	
	480	580	100	Red & Gray Clay/Siltstone	Y ✓ N	
	580	610	30	Tan & Red Sandstone	Y ✓ N	
	610	650	40	Red Sandstone/Siltstone	✓ Y N	30.00
	650	680	30	Red & Gray Sandstone	✓ Y N	20.00
	680	740	60	Red, Gray & Brown Sandstone/Siltstone	✓ Y N	30.00
	740	752	12	Red Siltstone/Clay	Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 88.00	
5. TEST: RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Water encountered at 125' was sealed off.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	<p>THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:</p> <p> Bryce Wallace 12/10/18</p> <p>SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE</p>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1100	POD NO. 2	TRN NO. 657207
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Layer List

Layers

OSE Water PODs

...

M2.5+ Earthquakes (USGS 30-day)

...

NM Oil and Gas Wells

...

USGS Groundwater wells

...

USGS Active Monitoring GW Wells

...

USGS Historical GW Wells

...

Induced Seismicity Area

...

Permian Basin Karst Areas

...

BLM Oil Gas Leases Case Disp

...

BLM Oil Gas Leases Production Status

...

BLM Fluid Minerals Case

...

BLM FM Agreements Case Disp

...

BLM FM Agreements Production Status

...

BLM FM Participating Areas Case Disp

...

NM SLO Oil and Gas Leases

...

NM SLO Participating Area and Unit Agreement Boundaries

...

Political Boundaries and Transportation

...

Mineral and Surface Ownership

...

Hydrology

...

OCD Districts

...

NM Oil and Gas Production Areas

...

32.279535, -103.372747

X

Q

Show search results for 32.279...

Measurement

Feet

Measurement Result

827.4 Feet

Clear

Press CTRL to enable snapping

100m

300ft

-103.37569 32.28088 Degrees



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

! Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321652103222901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321652103222901 23S.35E.28.124

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°16'51.8", Longitude 103°22'29.1" NAD83

Land-surface elevation 3,388 feet above NAVD88

The depth of the well is 5,300 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

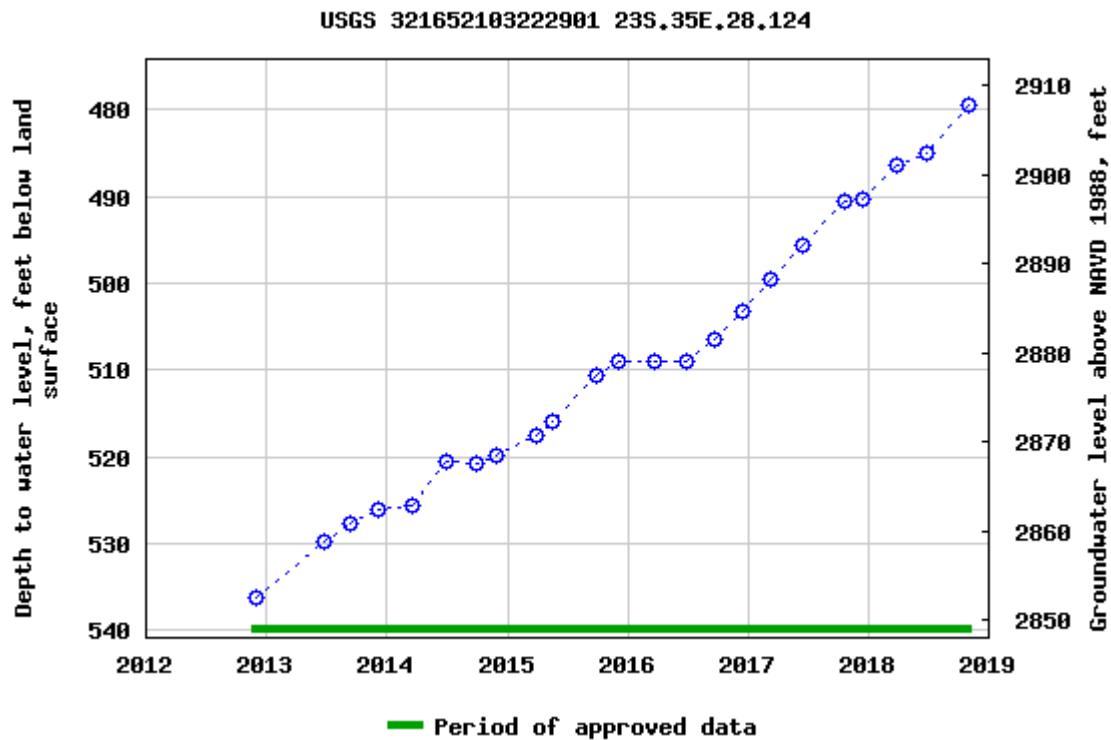
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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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?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-01-18 15:36:13 EST

0.63 0.54 nadww02

Layer List

☐

Permian Basin Karst Areas

☐

BLM Oil Gas Leases Case Disp

☐

BLM Oil Gas Leases Production Status

☐

BLM Fluid Minerals Case

☐

BLM FM Agreements Case Disp

☐

BLM FM Agreements Production Status

☐

BLM FM Participating Areas Case Disp

☐

NM SLO Oil and Gas Leases

☐

NM SLO Participating Area and Unit Agreement Boundaries

☐

Political Boundaries and Transportation

☐

Mineral and Surface Ownership

☒

Hydrology

☒

NMED Drinking Water Systems

☒

OSE Streams

☒

OSE Probable Playas

☒

OSW Water Bodys

☐

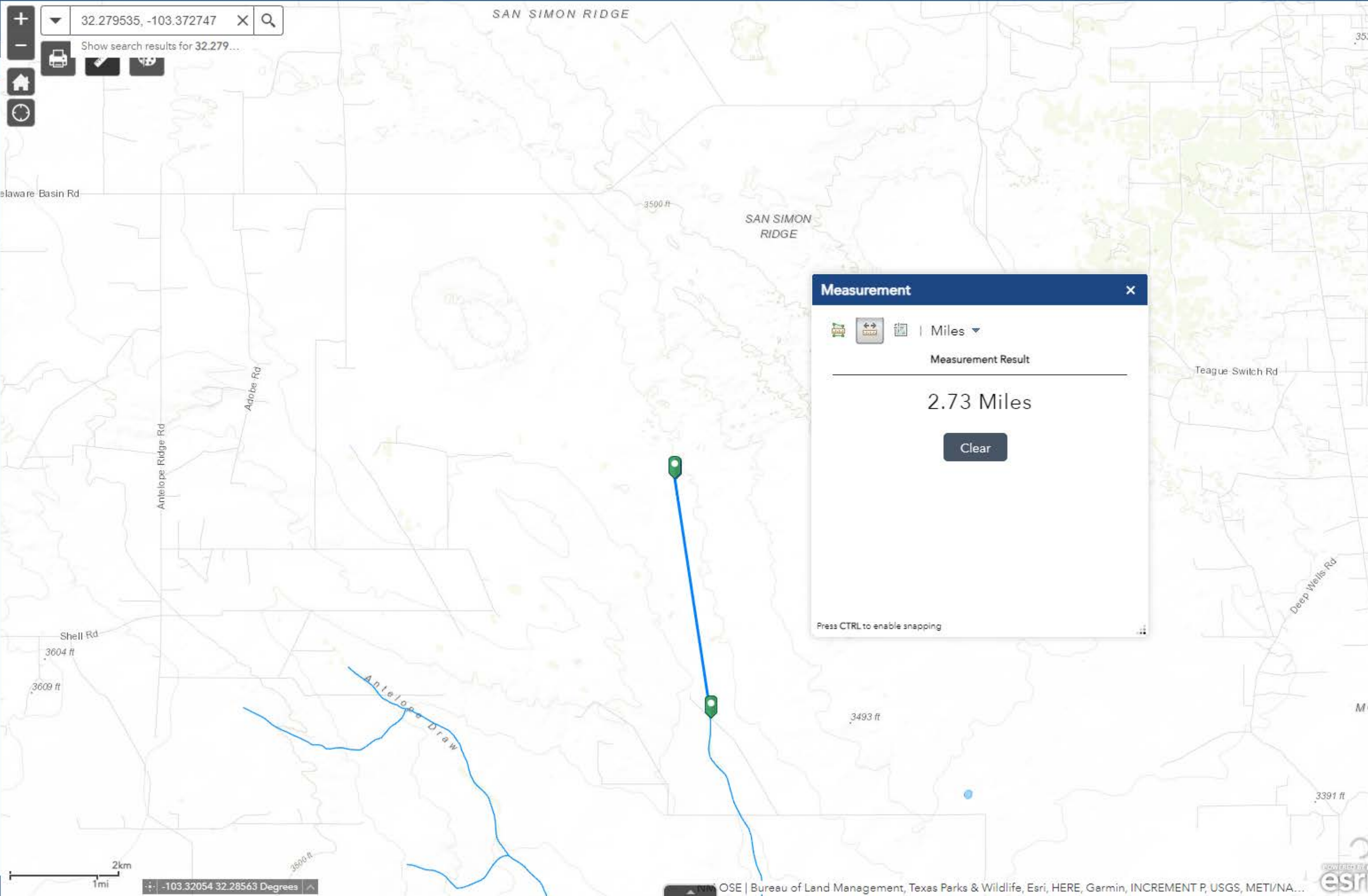
OCD Districts

☐

NM Oil and Gas Production Areas

☐

Public Land Survey System (PLSS)





Layer List

- ☐ Permian Basin Karst Areas ...
- ☐ BLM Oil Gas Leases Case Disp ...
- ☐ BLM Oil Gas Leases Production Status ...
- ☐ BLM Fluid Minerals Case ...
- ☐ BLM FM Agreements Case Disp ...
- ☐ BLM FM Agreements Production Status ...
- ☐ BLM FM Participating Areas Case Disp ...
- ☐ NM SLO Oil and Gas Leases ...
- ☐ NM SLO Participating Area and Unit Agreement Boundaries ...
- ☐ Political Boundaries and Transportation ...
- ☐ Mineral and Surface Ownership ...
- ☒ Hydrology ...
 - ☒ NMED Drinking Water Systems ...
 - ☒ OSE Streams ...
 - ☒ OSE Probable Playas ...
 - ☒ OSW Water Bodies ...
- ☐ OCD Districts ...
- ☐ NM Oil and Gas Production Areas ...
- ☐ Public Land Survey System (PLSS) ...

Show search results for 32.279...

Delaware Basin Rd

Measurement

Miles

Measurement Result

4.8 Miles

Press CTRL to enable snapping

Antelope Ridge Rd

Adobe Rd

Shell Rd

3604 ft

3609 ft

Antelope Draw

SAN SIMON RIDGE

Teague Switch Rd

Deep Wells Rd

1mi 2km

-103.29316 32.24608 Degrees

OSE | Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NA...





Basemap Gallery

Imagery

Imagery with Labels

National Geographic

OpenStreetMap

Streets

Terrain with Labels

Topographic

USA Topo Maps

USGS National Map

Topographic

+

-

Home

History

▼

32.279535, -103.372747

×

Q

Show search results for 32.279...

Measurement

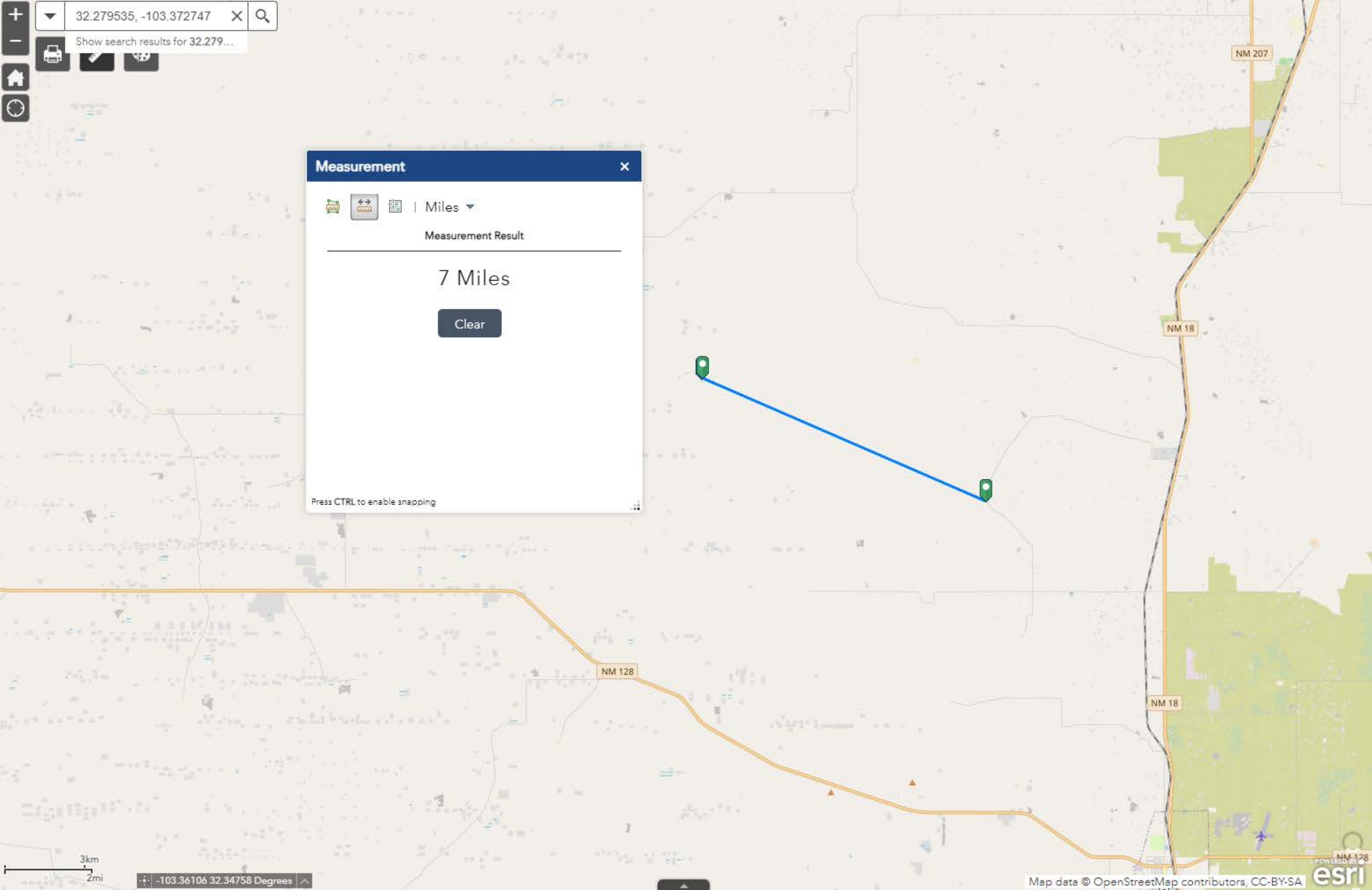
Miles

Measurement Result

7 Miles

Clear

Press CTRL to enable snapping



Layer List

Layers

☒ OSE Water PODs

Active

Pending

Changed Location of Well

Inactive

Plugged

Capped

Unknown

☐ M2.5+ Earthquakes (USGS 30-day)

☐ NM Oil and Gas Wells

☒ USGS Groundwater wells

☒ USGS Active Monitoring GW Wells

☐ USGS Historical GW Wells

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☐ BLM FM Agreements Case Disp

☐ BLM FM Agreements Production Status

☐ BLM FM Participating Areas Case Disp

☐ NM SLO Oil and Gas Leases

☐ NM SLO Participating Areas and Unit Agreements

32.279535, -103.372747

Show search results for 32.279...

Measurement

Feet

Measurement Result

935 Feet

Clear

Press CTRL to enable snapping

321652103222901
DTW = 506.5
2/21/2016

3434 ft

0.2km

600ft

-103.35705 32.28213 Degrees

Released to Imaging: 4/1/2024 8:08:45 AM

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USGS | Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, M...

POWERED BY
esri

The screenshot displays a web map interface with a measurement tool overlay. The measurement tool shows a distance of 13.3 miles between two points: Lea and Eunice. The map includes a search bar at the top left with the coordinates 32.279535, -103.372747. The map shows the state of New Mexico and Texas, with various oil fields and geographical features labeled. The measurement tool overlay is a white box with a blue header and a blue border. It contains a measurement result of 13.3 miles and a 'Clear' button. The map also shows a scale bar at the bottom left and a copyright notice at the bottom right.

Measurement

13.3 Miles

Clear

Press CTRL to enable snapping

32.279535, -103.372747

Show search results for 32.279...

WILSON OIL FIELD

WEST SON OIL FIELD

SAN SIMON OIL FIELD

SAN SIMON RIDGE

Lea

Eunice city

ELLIOTT LITTMAN

FREUND OIL FIELD

NELSON OIL FIELD

MONUMENT DRAW

Jal city

WOODLEY FLAT

JAVALINA BASIN

PADUCA OIL FIELD

WINDY FLAT

ANDREWS WINKLER

EL MAR OIL FIELD

NORTH MASON OIL FIELD

NEW MEXICO

TEXAS

6km

4mi

US Census Bureau, NMDOT | Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, USGS, NGA, ...

esri

BASEMAPS >

MAP LAYERS >

- ☒ Wetlands 1 2
- ☒ Riparian 1 2
- ☐ Riparian Mapping Areas 1 2
- ☒ Data Source 1 2
 - ☐ Source Type
 - ☐ Image Scale
 - ☐ Image Year
- ☐ Areas of Interest 2
- ☐ FWS Managed Lands 1 2
- ☐ Historic Wetland Data 1 2



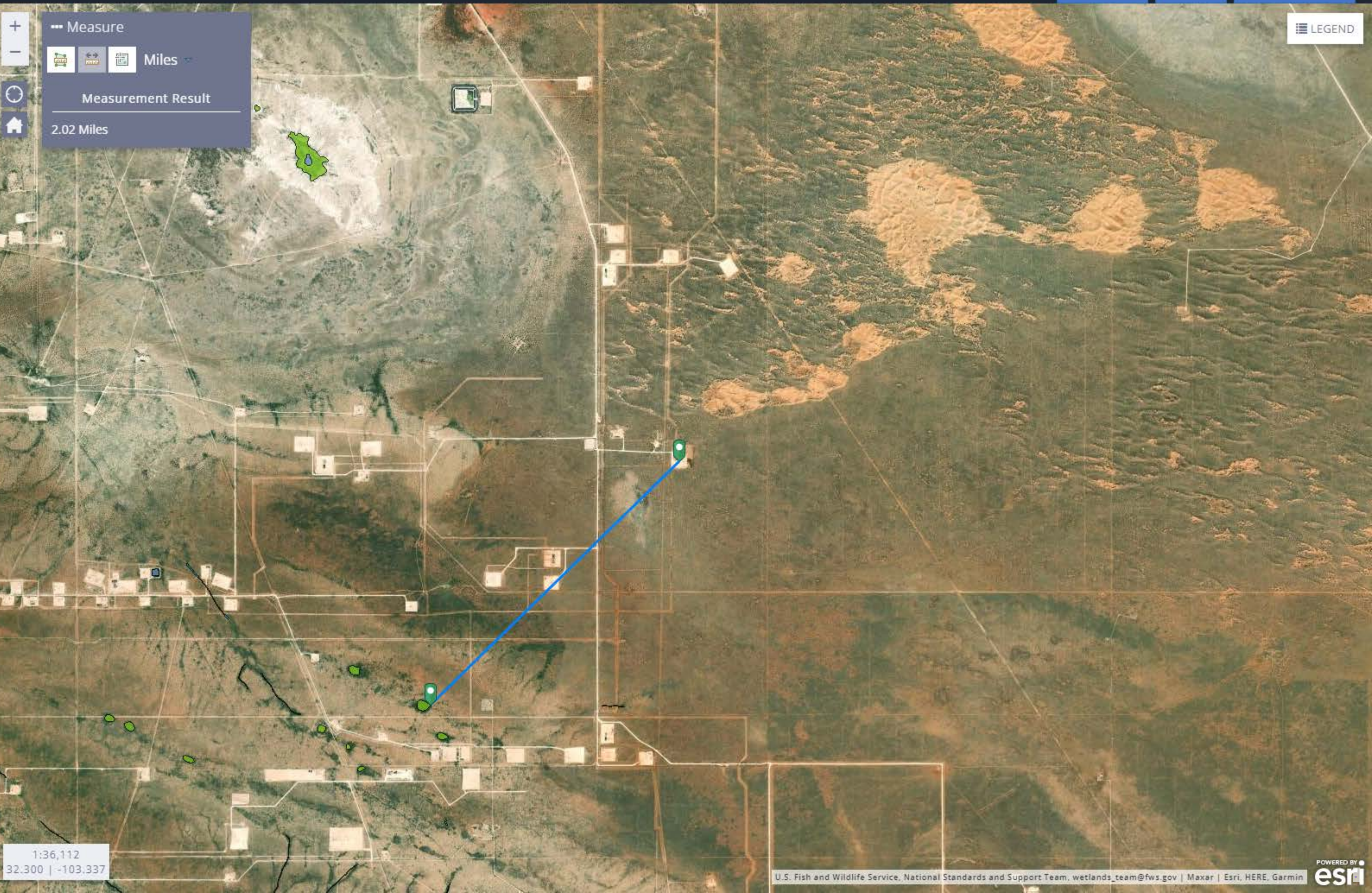
Measure

Miles

Measurement Result

2.02 Miles

LEGEND



1:36,112
32,300 | -103,337



Layer List

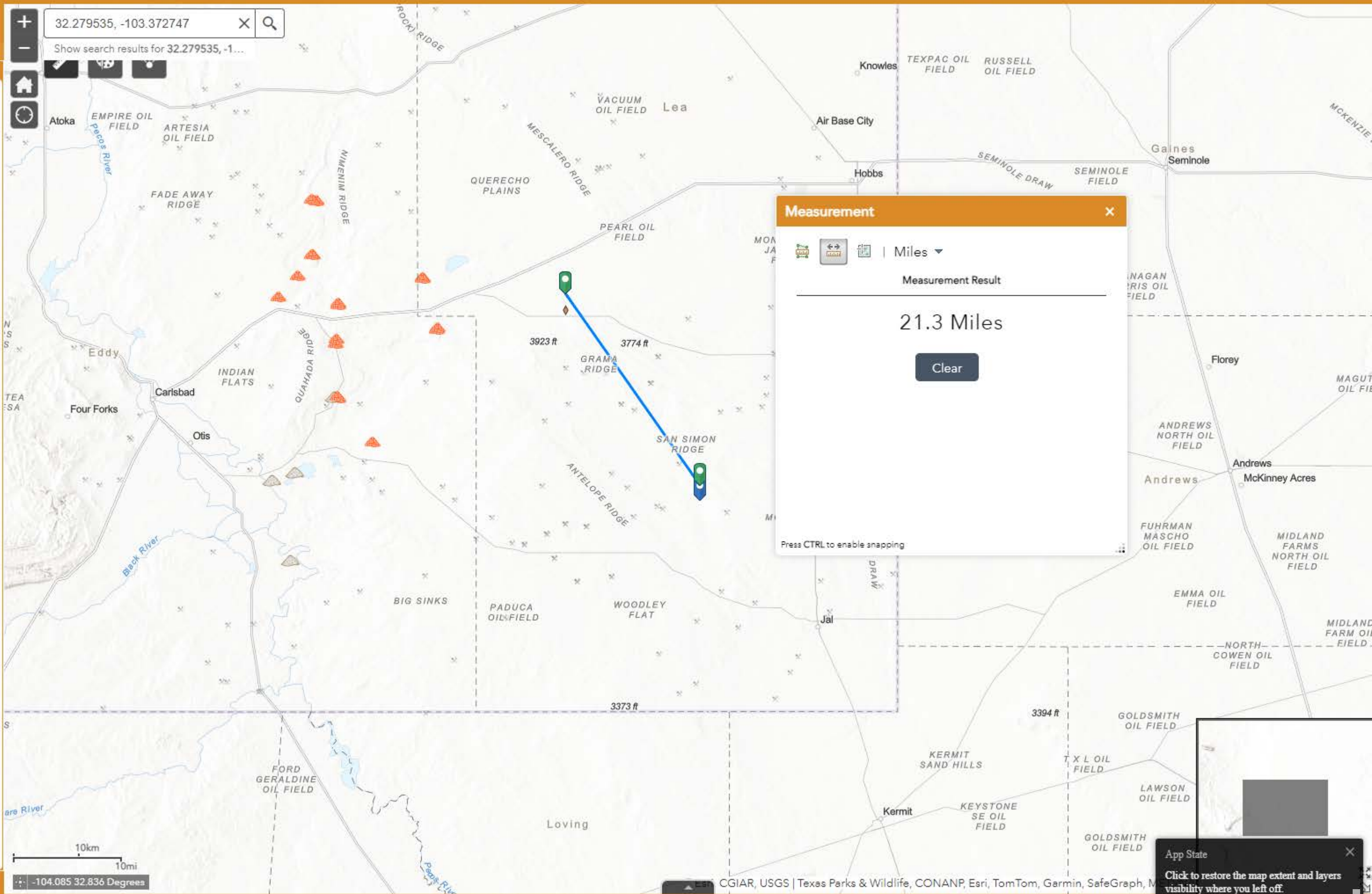
Layers

- ☒ Registered Mines
- ☐ Mineral_and_Surface_Ownership
- ☐ Public Land Survey System (PLSS)



32.279535, -103.372747

Show search results for 32.279535, -1...



Measurement

Miles

Measurement Result

21.3 Miles

Clear

Press CTRL to enable snapping

10km 10mi

-104.085 32.836 Degrees

App State

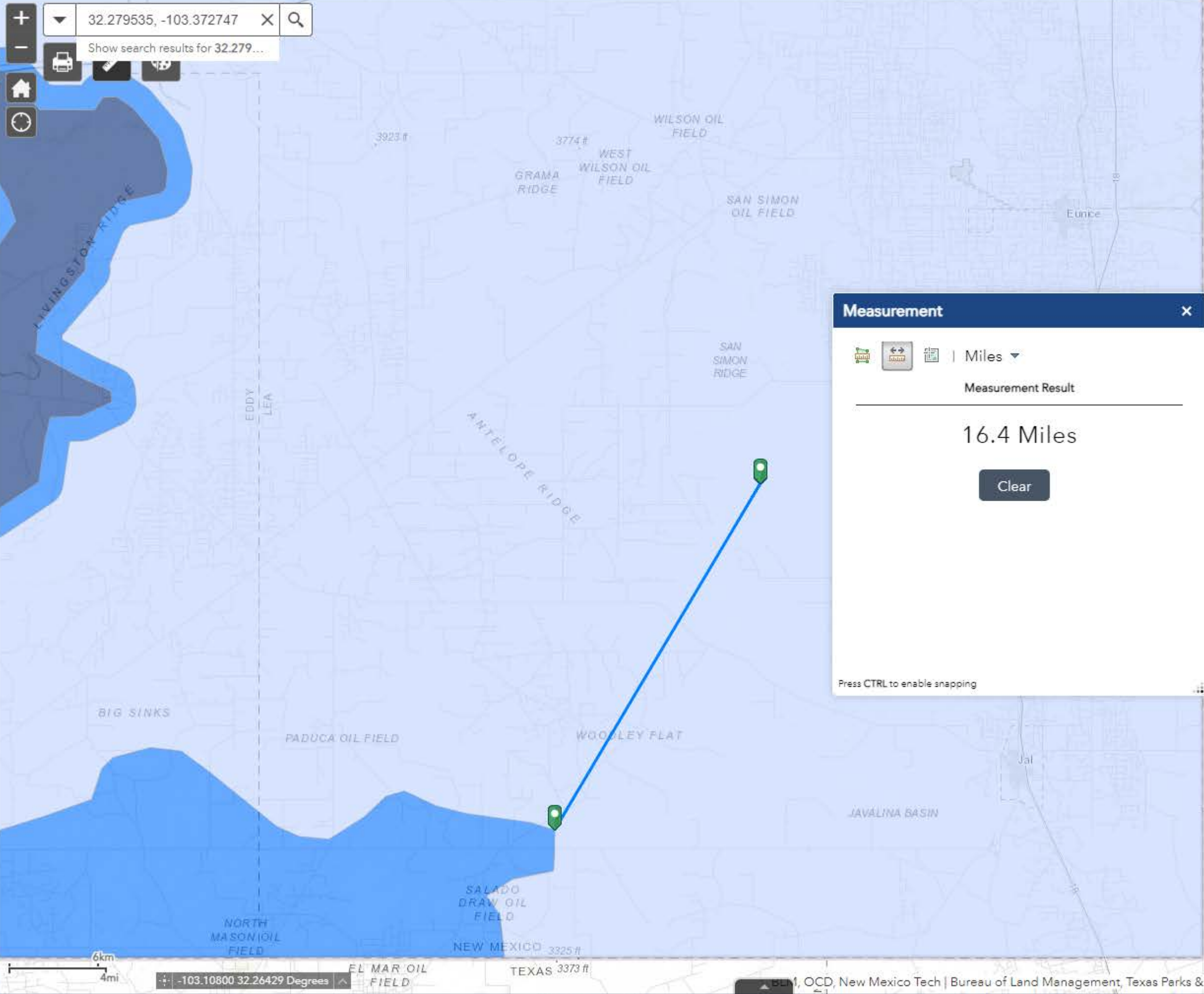
Click to restore the map extent and layers visibility where you left off.



Layer List

Layers

- ☐ OSE Water PODs ...
- ☐ M2.5+ Earthquakes (USGS 30-day) ...
- ☐ NM Oil and Gas Wells ...
- ☐ USGS Groundwater wells ...
- ☐ Induced Seismicity Area ...
- ☒ Permian Basin Karst Areas ...
- ☐ BLM Oil Gas Leases Case Disp ...
- ☐ BLM Oil Gas Leases Production Status ...
- ☐ BLM Fluid Minerals Case ...
- ☐ BLM FM Agreements Case Disp ...
- ☐ BLM FM Agreements Production Status ...
- ☐ BLM FM Participating Areas Case Disp ...
- ☐ NM SLO Oil and Gas Leases ...
- ☐ NM SLO Participating Area and Unit Agreement Boundaries ...
- ☐ Political Boundaries and Transportation ...
- ☐ Mineral and Surface Ownership ...
- ☐ Hydrology ...
- ☐ OCD Districts ...
- ☐ NM Oil and Gas Production Areas ...
- ☐ Public Land Survey System (PLSS) ...



Measurement



Miles

Measurement Result

16.4 Miles

Clear

Press CTRL to enable snapping



+

-

Home

Refresh

32.279535, -103.372747

X

Q

Show search results for 32.279535, -1...

Measurement

Print

Fullscreen

Layers

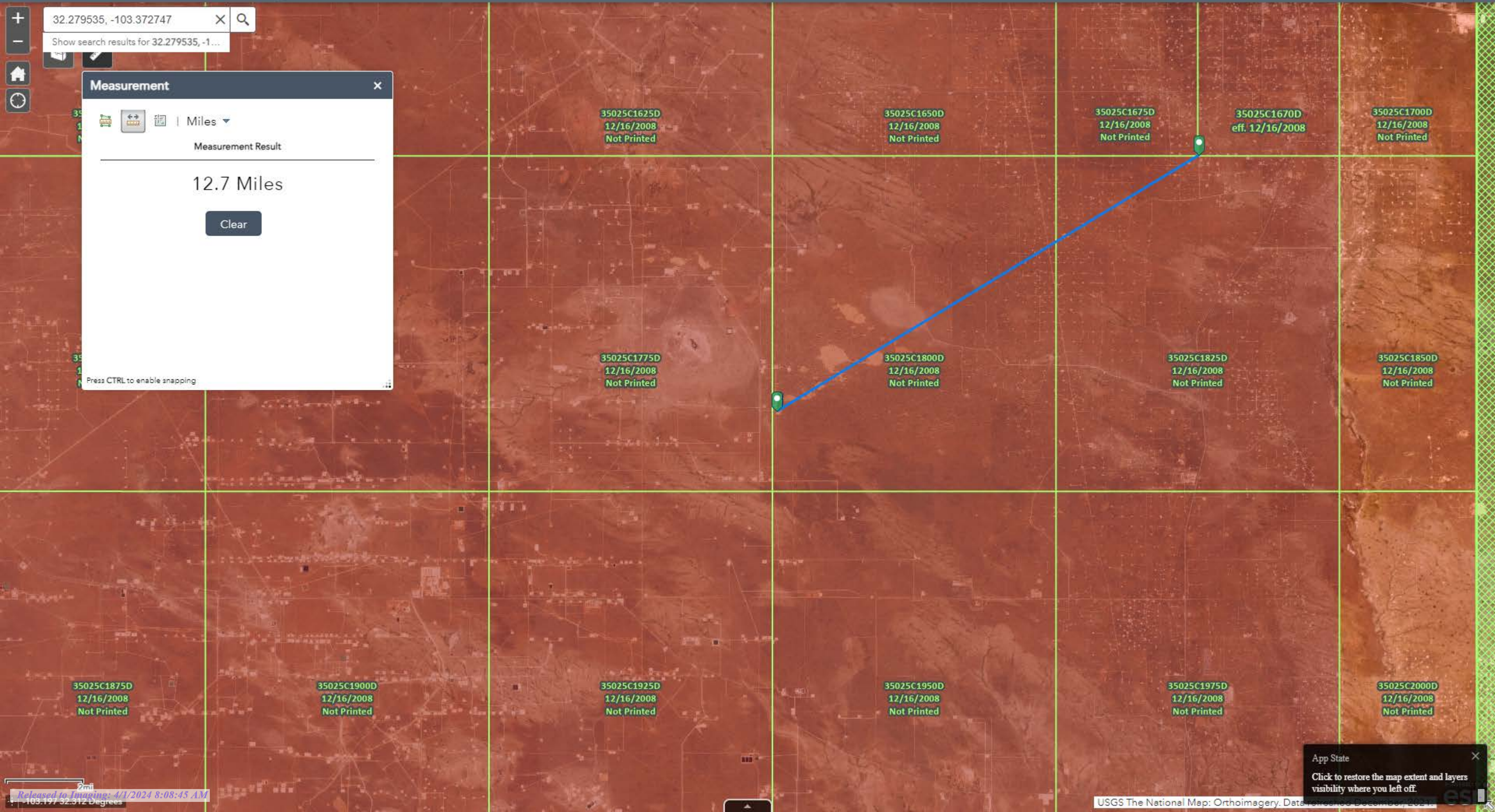
Miles

Measurement Result

12.7 Miles

Clear

Press CTRL to enable snapping



**GNM Serrano Liner Inspection nAPP2331023017****11/19/2023****INCIDENT DESCRIPTION #nAPP2331023017**

On 11/04/2023 Goodnight Midstream Operations discovered a release at Serrano site in which Charge Pump 263 had over pressurized the expansion joint which led to the release of produced water inside the containment of approximately 468 bbls. No produced water made it outside of the steel wall lined containment. The produced water that was released was routed back into the storage tanks via sump pump located inside the containment.

NOTIFICATION OF LINER INSPECTION

On 11/14/2023 at about 11:30am CT Nelson Velez from the NMOCD was contacted via phone to inform him that a liner inspection would be completed on 11/17/2023 by Goodnight Midstream HSE Rep Adrian Urquidi.

LINER INSPECTION SUMMARY

A crew was dispatched on 11/13/2023 to pressure wash and steam the liner free of all contaminants in preparation of a liner inspection. Wastewater that was generated from the cleaning was routed into the tanks via sump pump located inside containment.

On 11/17/2023 at 9:30 am an inspection of the liner was completed by Goodnight Midstream HSE Rep Adrian Urquidi. Below are the pictures of the liner inspection that was completed demonstrating that the integrity of the liner was not compromised. The liner seams were inspected by walking the interior perimeter of the secondary containment. Followed by walking the seams where each liner roll was seamed together to verify that there was no delamination of the liner or other defects in the liner.





GNM Serrano Liner Inspection nAPP2331023017

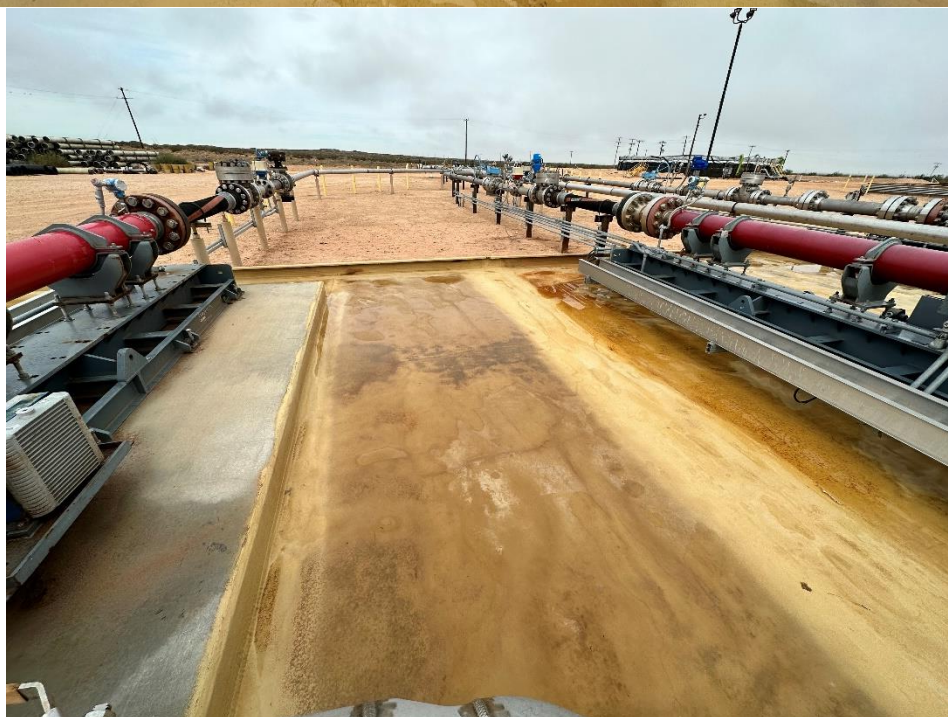
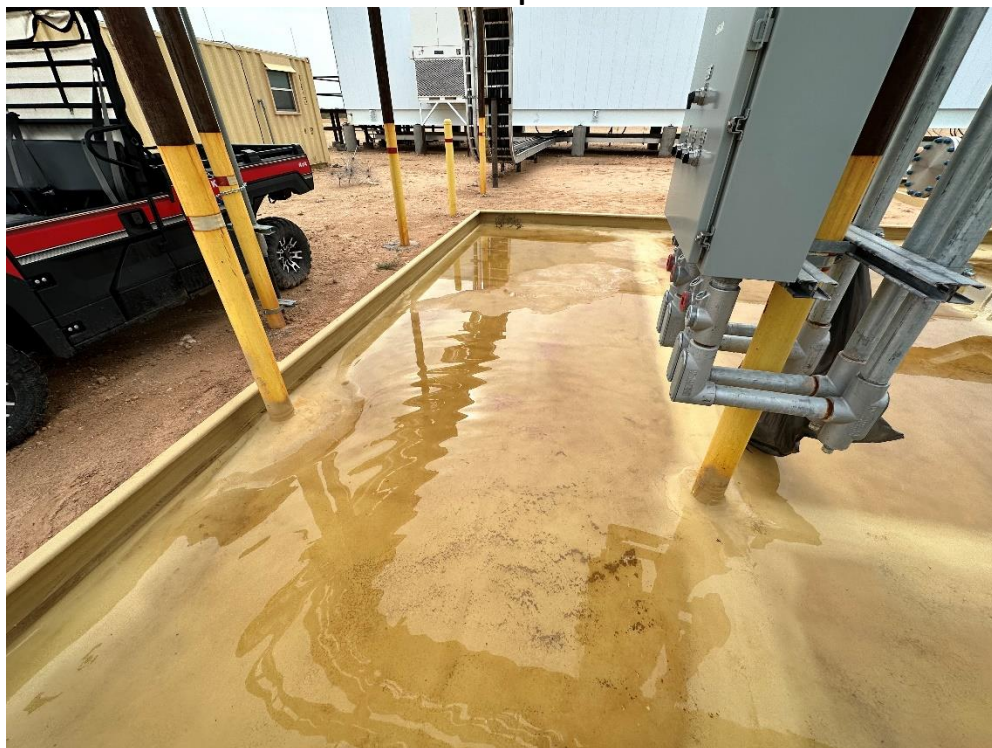
11/19/2023





GNM Serrano Liner Inspection nAPP2331023017

11/19/2023





GNM Serrano Liner Inspection nAPP2331023017

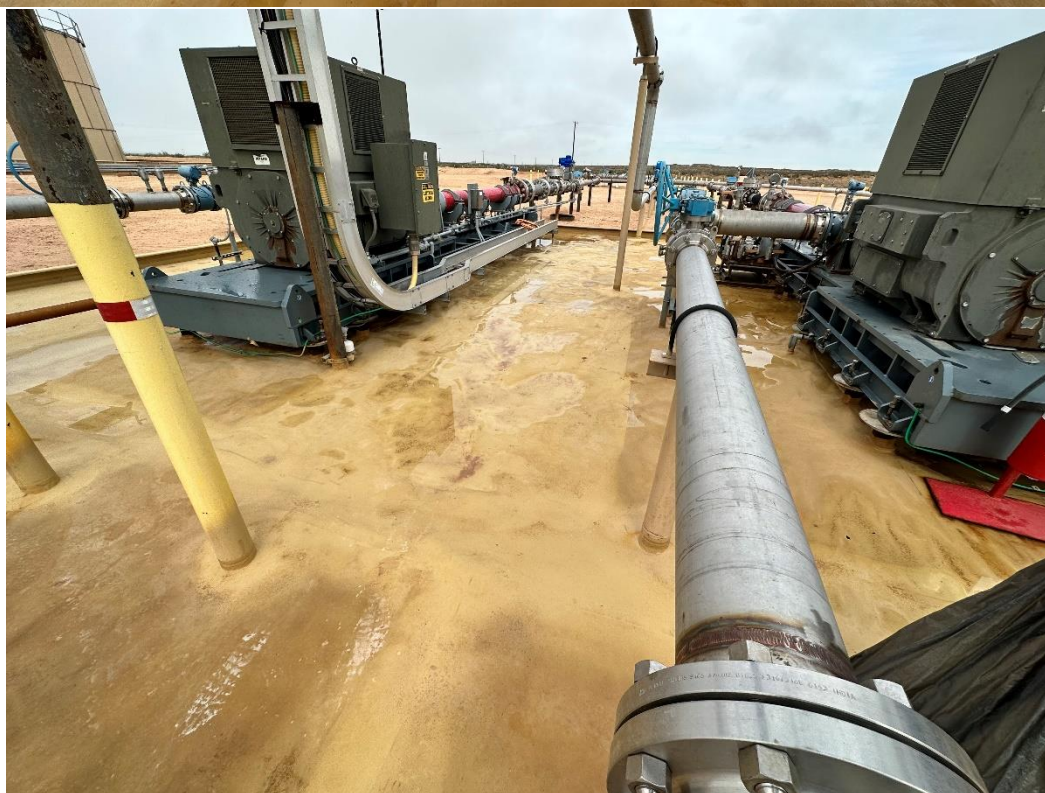
11/19/2023





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11/19/2023





GNM Serrano Liner Inspection nAPP2331023017

11/19/2023



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QUESTIONS

Action 303907

QUESTIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	303907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2331023017
Incident Name	NAPP2331023017 SERRANO - CHARGE PUMP CHECK VALVE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SERRANO - CHARGE PUMP CHECK VALVE
Date Release Discovered	11/05/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
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	Cause: Equipment Failure Valve Produced Water Released: 468 BBL Recovered: 468 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
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 303907

QUESTIONS (continued)

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	303907
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<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	Not answered.

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: Adrian Urduidi Title: HSE Representative Email: adrian.urduidi@goodnightmidstream.com Date: 01/16/2024
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QUESTIONS, Page 3

Action 303907

QUESTIONS (continued)

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	303907
	Action Type:	[C-141] 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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 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

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 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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
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.	
On what estimated date will the remediation commence	11/13/2023
On what date will (or did) the final sampling or liner inspection occur	11/17/2023
On what date will (or was) the remediation complete(d)	11/13/2023
What is the estimated surface area (in square feet) that will be remediated	3000
What is the estimated volume (in cubic yards) that will be remediated	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 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.	

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QUESTIONS, Page 4

Action 303907

QUESTIONS (continued)

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	303907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**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.)

Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	Not answered.

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 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: Adrian Urduidi Title: HSE Representative Email: adrian.urquidi@goodnightmidstream.com Date: 01/25/2024
--	--

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.

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QUESTIONS, Page 6

Action 303907

QUESTIONS (continued)

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:	372311
	Action Number:	303907
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	308088
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/31/2024
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3200

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	Yes
What was the total surface area (in square feet) remediated	3200
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	No remediation was necessary other than removal of the produced water from the lined secondary containment. The liner was pressure wash and inspected as referenced in the liner inspection report.

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: Adrian Urduidi Title: HSE Representative Email: adrian.urduidi@goodnightmidstream.com Date: 01/25/2024
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CONDITIONS

Action 303907

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 303907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Liner inspection approved, release resolved.	4/1/2024