

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2315330894
District RP	
Facility ID	fAPP2201325319
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: lluig@cimarex.com	Incident # (assigned by OCD) nAPP2315330894
Contact mailing address: 6001 Deauville Blvd., Suite 300N Midland, TX 79706	

### Location of Release Source

Latitude 32.2421962 \_\_\_\_\_ Longitude -103.4375741 \_\_\_\_\_  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: Canyonlands 2 State Com	Site Type: Battery
Date Release Discovered: 6/1/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	2	24S	34E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 13	Volume Recovered (bbls) 13
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Other

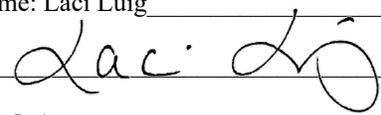
A staircase at the separator was knocked over by high winds causing damage to the sight glass on the separator and allowing fluid to be released onto the lined containment. The sight glass has been replaced, the containment will be washed, and a liner inspection will be scheduled. Spilled: 1 barrel of oil and 13 barrels of produced water Recovered: 1 barrel of oil and 13 barrels of produced water.

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Laci Luig</u> Title: <u>ESH Specialist</u> Signature: <u></u> Date: <u>6/2/2023</u> email: <u>lluig@cimarex.com</u> Telephone: <u>(432) 208-3035</u>
<b><u>OCD Only</u></b> Received by: <u>Shelly Wells</u> Date: <u>7/3/2023</u>

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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>43</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

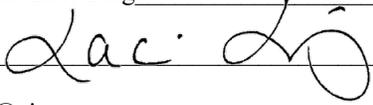
State of New Mexico  
Oil Conservation Division

Page 4

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Printed Name: Laci Luig \_\_\_\_\_ Title: ESH Specialist \_\_\_\_\_

Signature:  \_\_\_\_\_ Date: 7/3/2023 \_\_\_\_\_

email: llug@cimarex.com \_\_\_\_\_ Telephone: (432) 208-3035 \_\_\_\_\_

**OCD Only**

Received by: Shelly Wells \_\_\_\_\_ Date: 7/3/2023 \_\_\_\_\_

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## Closure

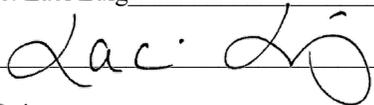
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Laci Luig Title: ESH Specialist

Signature:  Date: 7/3/2023

email: lluig@cimarex.com Telephone: (432) 208-3035

**OCD Only**

Received by: Shelly Wells Date: 7/3/2023

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

Closure Approved by: Shelly Wells Date: 9/18/2023

Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

**From:** [Laci Luig](#)  
**To:** [NMOCD Spill Notifications](#); [Becky Griffin - NM SLO](#)  
**Subject:** nAPP2315330894 Canyonlands 2 State Com CTB liner inspection  
**Date:** Monday, June 12, 2023 9:36:23 AM  
**Attachments:** [image001.jpg](#)

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A liner inspection at Cimarex Energy's Canyonlands 2 State Battery has been scheduled for Thursday, June 15<sup>th</sup> at 2:00pm (MST).

Incident ID: nAPP2315330894  
Coordinates: 32.2421962, -103.437574

Thank you,



**Laci Luig** | Environmental, Health & Safety Specialist  
T: 432.571.7810 | M: 432.208.3035 | [laci.luig@coterra.com](mailto:laci.luig@coterra.com) | [www.coterra.com](http://www.coterra.com)  
Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.



# Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

Facility ID: fAPP2201325319

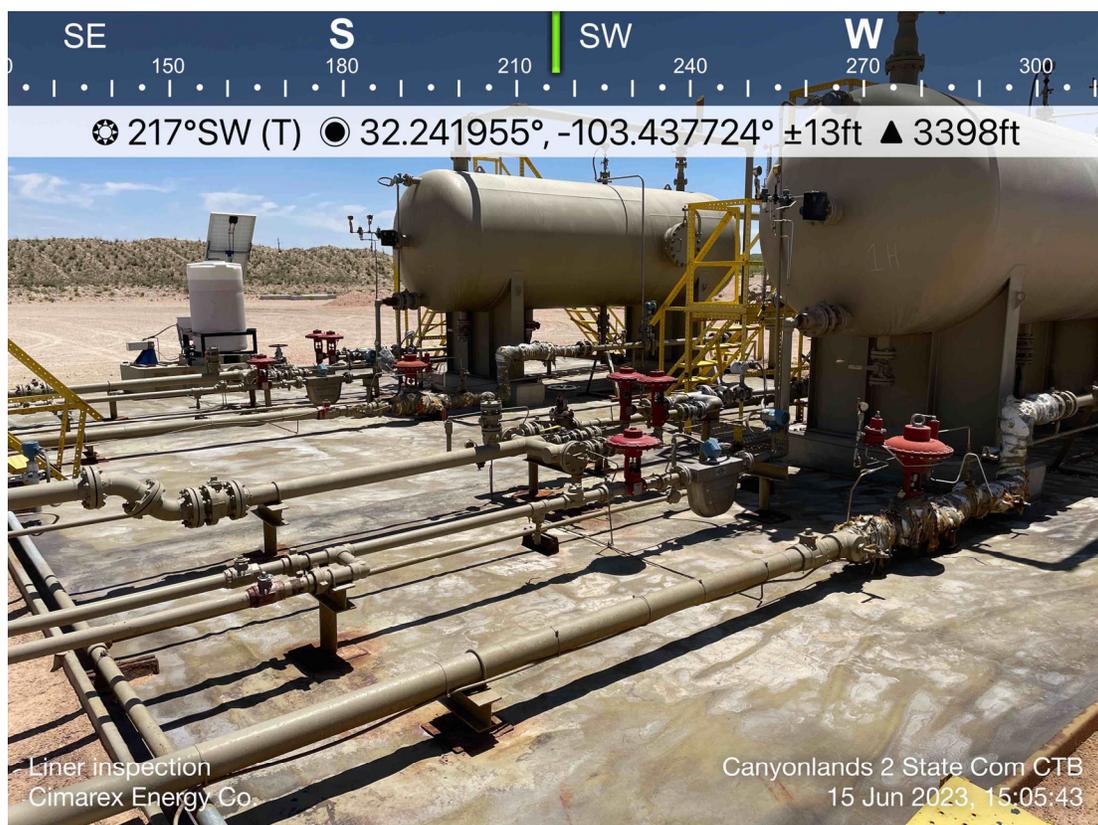
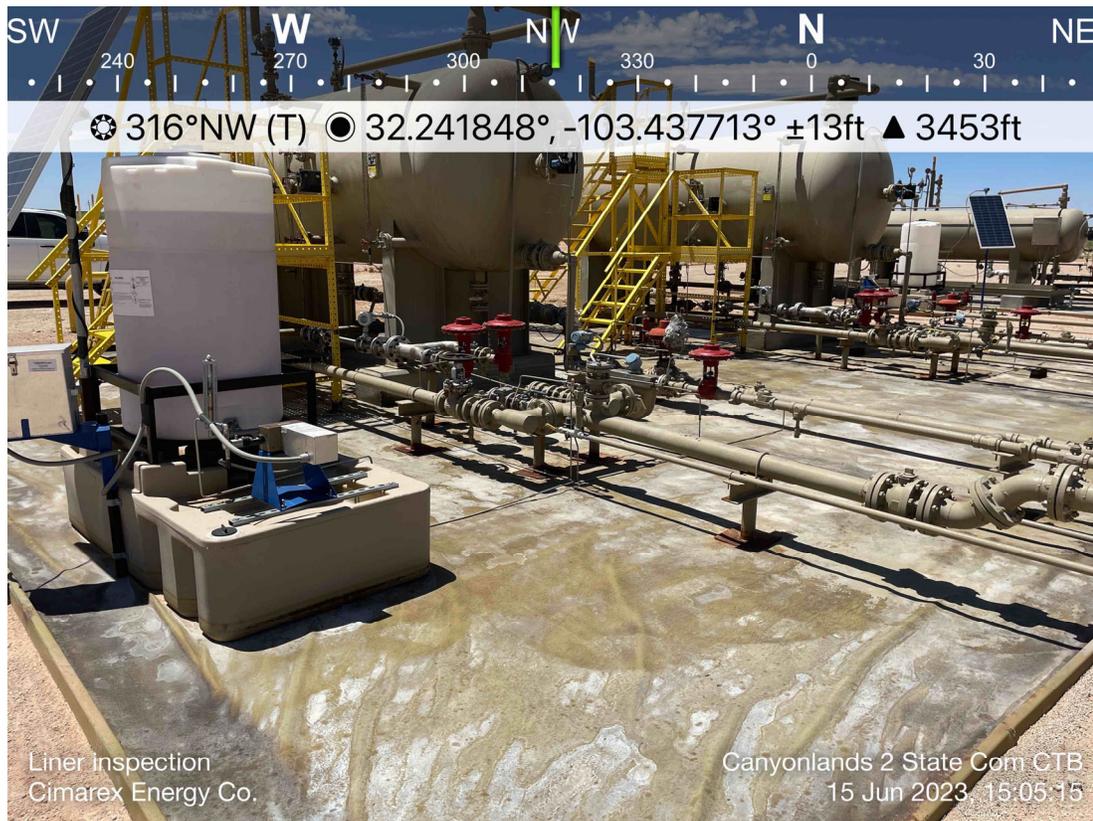
Date: 6/15/2023

Incident ID(s): nAPP2315330894

- Responsible Party has visually inspected the liner.
- Liner remains intact and was able to contain the leak in question.
- At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- Photographs illustrating liner integrity are included.

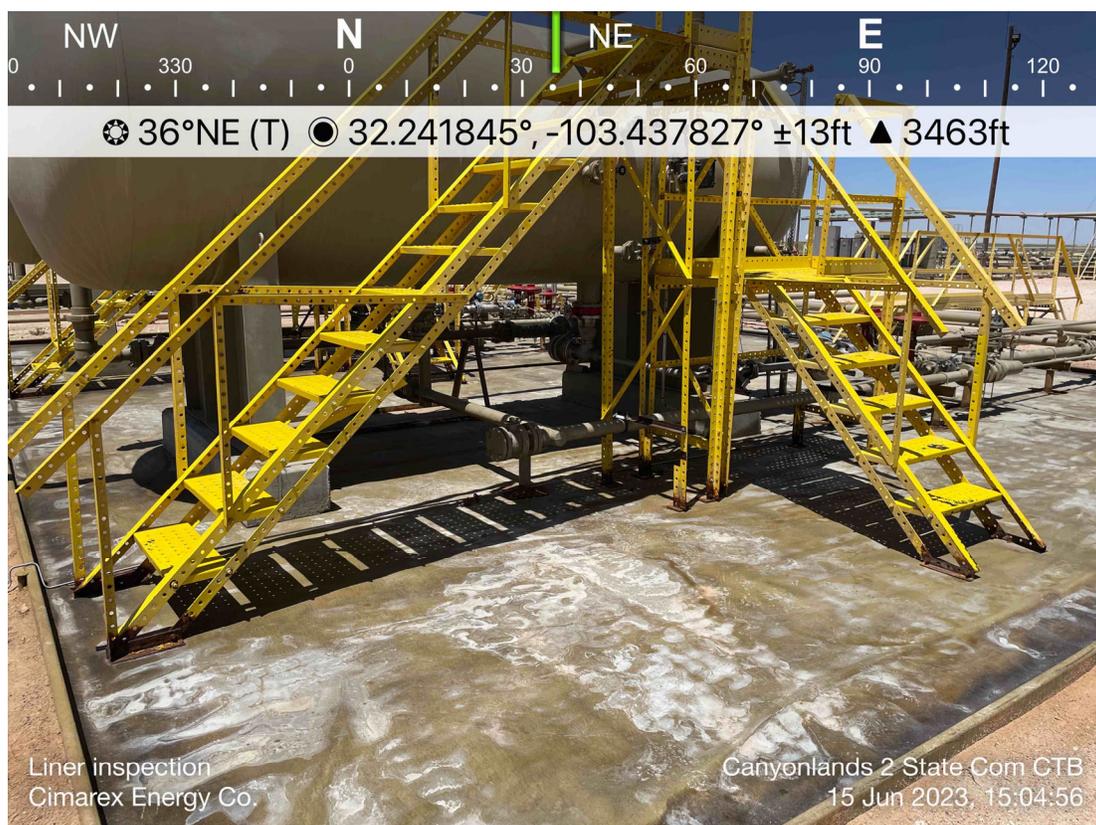


# CIMAREX ENERGY CANYONLANDS 2 STATE COM CTB LEA, NM



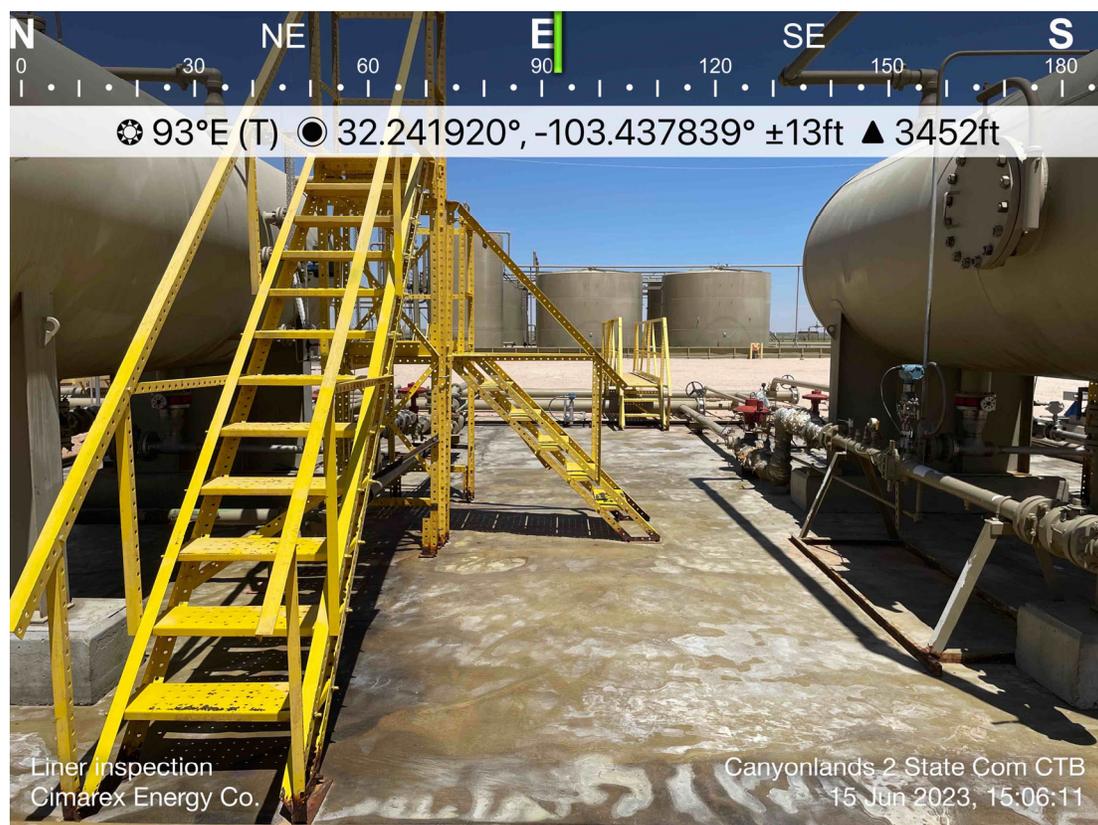
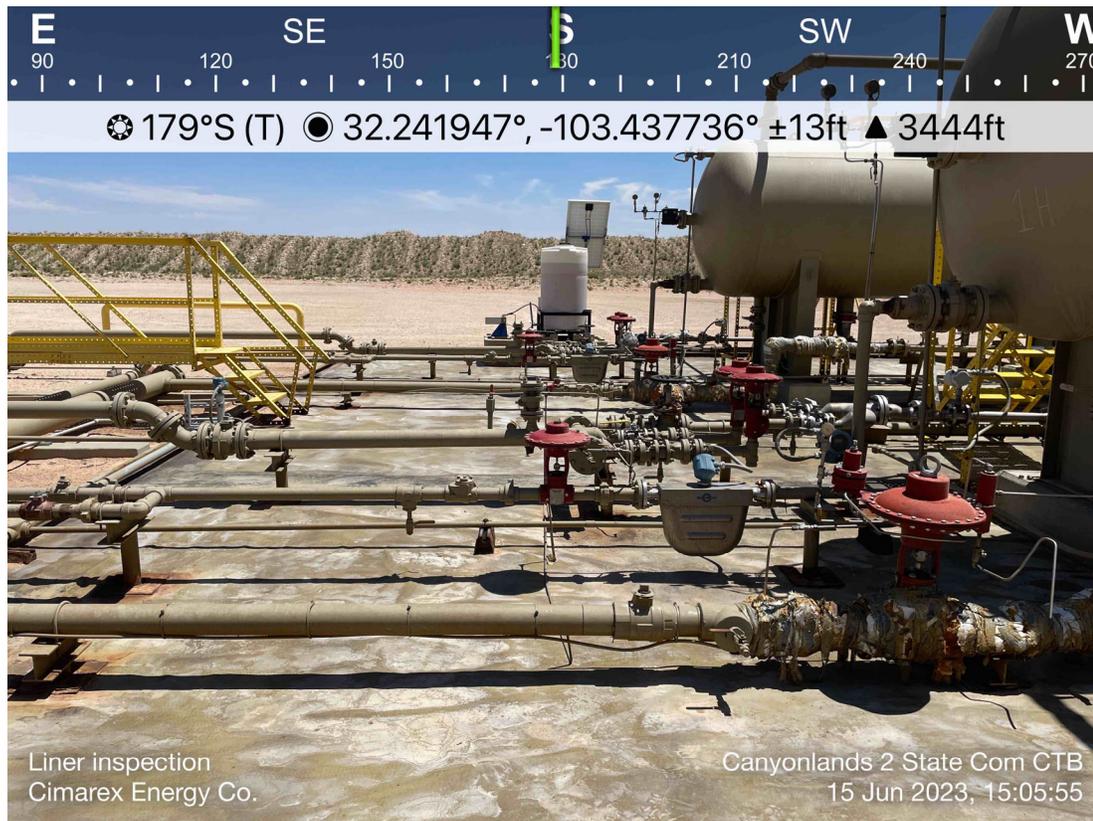


CIMAREX ENERGY  
CANYONLANDS 2 STATE COM CTB  
LEA, NM





CIMAREX ENERGY  
CANYONLANDS 2 STATE COM CTB  
LEA, NM

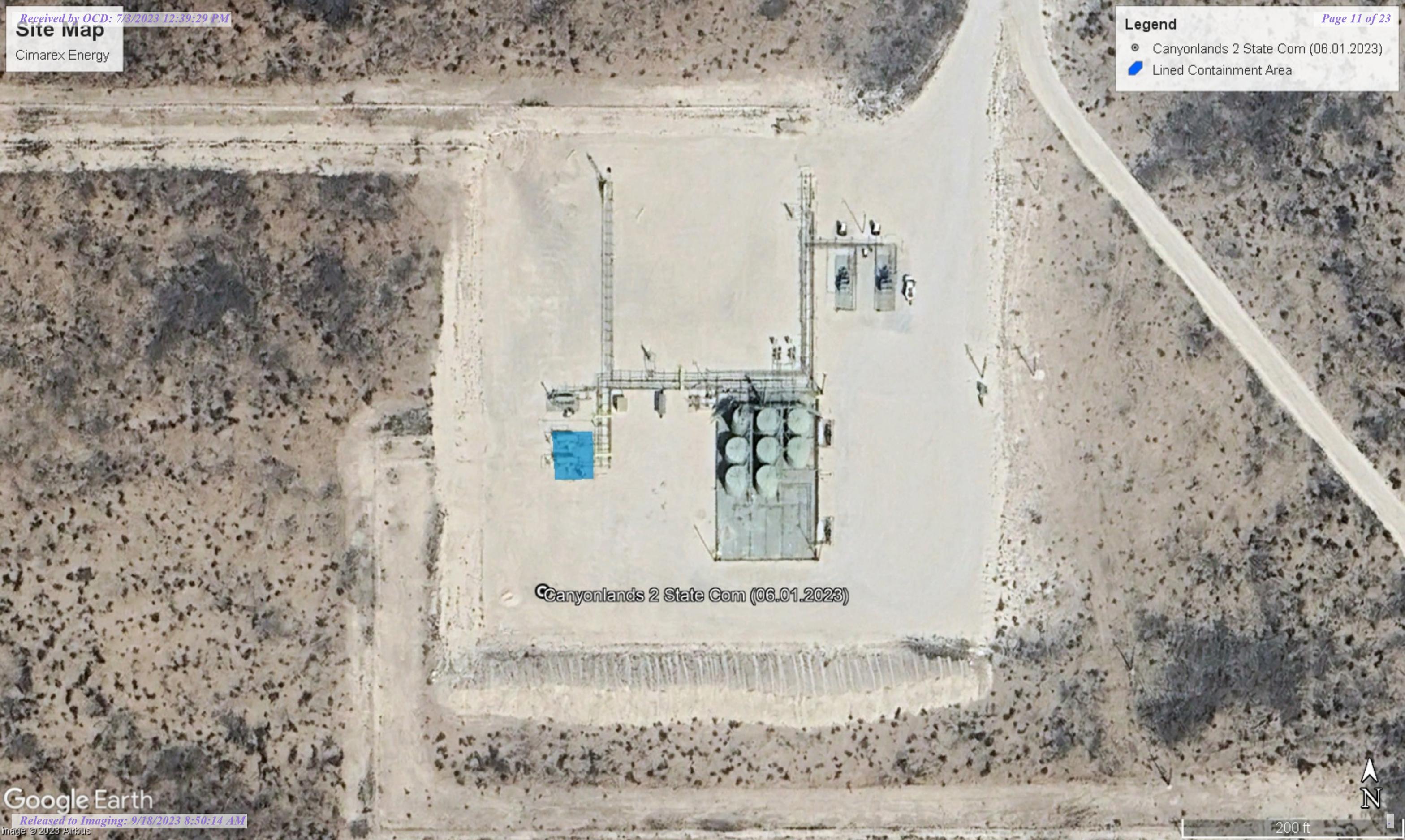


# Site Map

Cimarex Energy

**Legend**

- Canyonlands 2 State Com (06.01.2023)
- Lined Containment Area



© Canyonlands 2 State Com (06.01.2023)

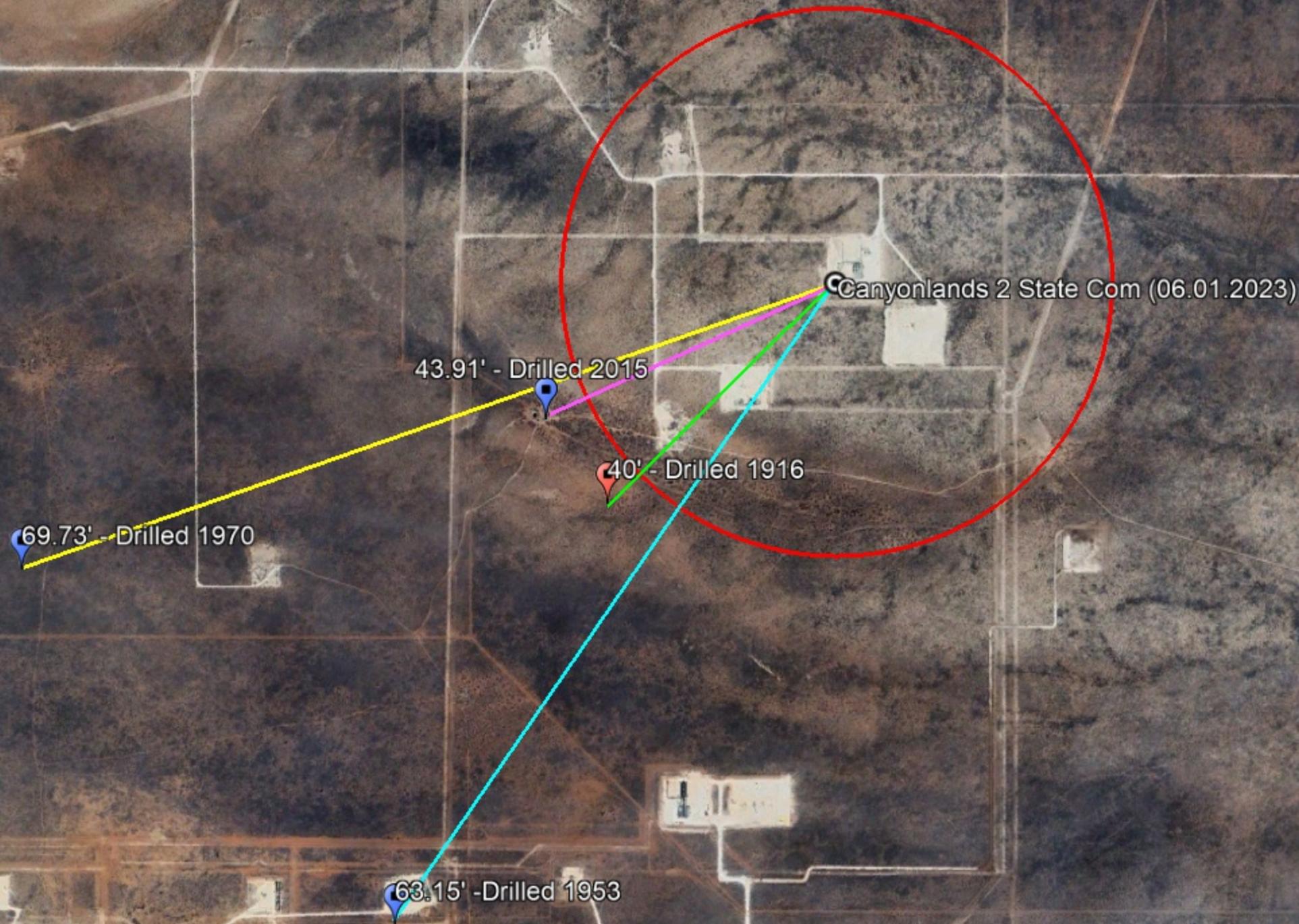


# Nearest Water Well

Cimarex Energy

**Legend**

- 0.50 Mile Radius
- 0.58 Miles
- 0.59 Miles
- 1.42 Miles
- 1.57 Miles
- Canyonlands 2 State Com (06.01.2023)
- NMSEO Water Well
- USGS Water Well



4000 ft

# Low Karst

Cimarex Energy

**Legend**

-  Canyonlands 2 State Com (06.01.2023)
-  Low

Canyonlands 2 State Com (06.01.2023)





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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02387</a>	CUB	LE		1	11	24S	34E			646513	3567613*	938	62	40	22
<a href="#">C 02386</a>	CUB	LE		4	1	2 04	24S	34E		643962	3569290*	3365	575	475	100
<a href="#">C 02397</a>	CUB	LE		4	1	2 04	24S	34E		643962	3569290*	3365	575	475	100
<a href="#">C 03932 POD13</a>	CUB	LE		4	2	3 15	24S	34E		645314	3565203	3594	90		

Average Depth to Water: **330 feet**

Minimum Depth: **40 feet**

Maximum Depth: **475 feet**

Record Count: 4

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 647172.73

**Northing (Y):** 3568280.33

**Radius:** 4000

\*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.



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Search Results -- 1 sites found

Agency code = usgs  
site\_no list = 

- 321357103265201

Minimum number of levels = 1

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

**USGS 321357103265201 24S.34E.11.112313**

Lea County, New Mexico

Latitude 32°14'16.5", Longitude 103°26'49.0" NAD83

Land-surface elevation 3,486 feet above NAVD88

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-01-21			D 62610		3443.12	NGVD29	1	Z			A
1976-01-21			D 62611		3444.74	NAVD88	1	Z			A
1976-01-21			D 72019	41.26			1	Z			A
1981-03-19			D 62610		3442.47	NGVD29	1	Z			A
1981-03-19			D 62611		3444.09	NAVD88	1	Z			A
1981-03-19			D 72019	41.91			1	Z			A
1986-03-07			D 62610		3442.53	NGVD29	1	Z			A
1986-03-07			D 62611		3444.15	NAVD88	1	Z			A
1986-03-07			D 72019	41.85			1	Z			A
1991-05-30			D 62610		3442.29	NGVD29	1	Z			A
1991-05-30			D 62611		3443.91	NAVD88	1	Z			A
1991-05-30			D 72019	42.09			1	Z			A
1996-03-13			D 62610		3443.45	NGVD29	1	S			A
1996-03-13			D 62611		3445.07	NAVD88	1	S			A
1996-03-13			D 72019	40.93			1	S			A
2015-12-19 00:00 UTC			m 62610		3440.47	NGVD29	1	S	USGS	S	A
2015-12-19 00:00 UTC			m 62611		3442.09	NAVD88	1	S	USGS	S	A
2015-12-19 00:00 UTC			m 72019	43.91			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

9/18/23, 8:35 AM

Section	Code	Description
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-09-18 09:35:17 EDT

0.3 0.26 nadww02



# 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
	C 02387				1	11	24S 34E	646513	3567613*

**Driller License:**

**Driller Company:**

**Driller Name:** UNKNOWN

**Drill Start Date:**

**Drill Finish Date:** 12/31/1916

**Plug Date:**

**Log File Date:**

**PCW Rev Date:**

**Source:**

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:** 3 GPM

**Casing Size:** 6.00

**Depth Well:** 62 feet

**Depth Water:** 40 feet

\*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.

9/18/23 7:22 AM

POINT OF DIVERSION SUMMARY



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Search Results -- 1 sites found

Agency code = usgs

site\_no list = 

- 321328103270601

Minimum number of levels = 1

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

USGS 321328103270601 24S.34E.10.42243

Lea County, New Mexico  
Latitude 32°13'28", Longitude 103°27'06" NAD27  
Land-surface elevation 3,514 feet above NAVD88  
The depth of the well is 93 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-04-27			D	62610	3449.23	NGVD29	1	Z			A
1953-04-27			D	62611	3450.85	NAVD88	1	Z			A
1953-04-27			D	72019	63.15		1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



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0.28 0.24 nadww02



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Agency code = usgs  
site\_no list = 

- 321402103274801

Minimum number of levels = 1

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

USGS 321402103274801 24S.34E.10.11221

Lea County, New Mexico  
Latitude 32°14'02", Longitude 103°27'48" NAD27  
Land-surface elevation 3,535 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-06-12			D 62610		3461.95	NGVD29	1	Z			A
1968-06-12			D 62611		3463.58	NAVD88	1	Z			A
1968-06-12			D 72019	71.42			1	Z			A
1970-12-08			D 62610		3463.64	NGVD29	1	Z			A
1970-12-08			D 62611		3465.27	NAVD88	1	Z			A
1970-12-08			D 72019	69.73			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

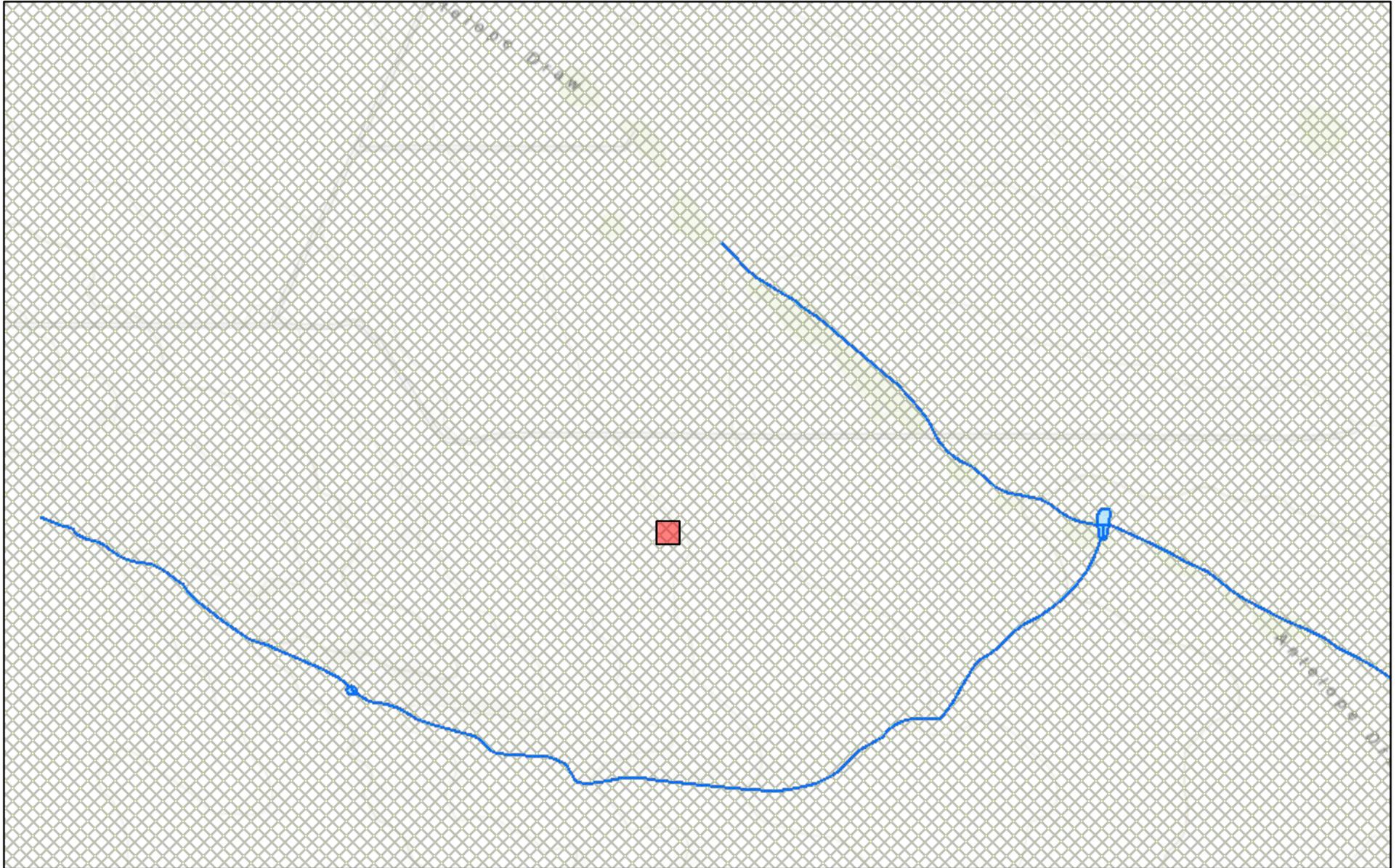


Page Contact Information: [New Mexico Water Data Maintainer](#)

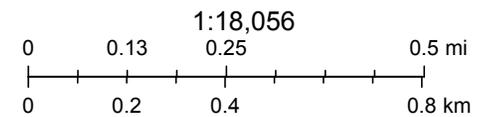
Page Last Modified: 2023-09-18 09:34:09 EDT

0.28 0.24 nadww02

# New Mexico NFHL Data



September 18, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 235547

**CONDITIONS**

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 235547
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	9/18/2023