Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1911652112
District RP	1RP-5444
Facility ID	
Application ID	pAB1911650160

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: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 11/26/2019

email: bhall@btaoil.com Telephone: (432) 682-3753

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

Souder, Miller & Associates♦201 S. Halagueno St.♦Carlsbad, NM 88220
(575) 689-7040

July 22, 2019 SMA #5E28395, BG4

NMOCD District 1
1625 N. French Drive
Hobbs, New Mexico 88240

RE: LINER INSPECTION REPORT
STARCASTER 18 FED COM TANK BATTERY (1RP-5444)

To Whom it May Concern:

Souder, Miller & Associates (SMA) is pleased to submit this letter report on behalf of BTA Oil Producers, LLC (BTA) summarizing the liner inspection that occurred due to the Starcaster 18 Fed Com Tank Battery release. The site is located in Section 18, T23S, R34E (N32.31139/W-103.50283) Lea County, New Mexico, on privately-owned land.

Site Characterization

On April 1, 2019, a head switch malfunction resulted in the release of 390 bbls of produced water inside the lined secondary containment of the tank battery. Initial response activities were conducted by the operator and included source elimination and site stabilization, which recovered approximately 390 bbls of produced water. The tanks and containment were then pressure washed and the residual fluid recovered.

Based upon New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) well data, depth to groundwater in the area is estimated to be between 170 to 200 feet below grade surface (bgs). There is one water source within ½-mile of the location, according to the NMOSE and USGS online water well databases (Appendix C). The nearest significant watercourse is the Riverine Wetland, located approximately 75 feet to the southeast.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of <50 feet bgs.

Liner Integrity

At the request of BTA, SMA conducted a liner integrity inspection per the requirements of 19.15.29.11.A(5)(a) NMAC. NMOCD was notified on July 8, 2019 that the liner inspection was to occur and SMA conducted the inspection on July 11, 2019. After a thorough visual inspection of the liner within the tank battery containment, the liner appeared to be intact and had the ability to contain the leak in question. The tank from which the release occurred was identified, and SMA verified that the release did not occur outside of the lined containment. A photo log and field notes of the inspection is included in Appendix A.

SMA recommends no further action for this release.

Souder, Miller and Associates appreciates the opportunity to provide environmental services to you. If you have any questions or comments concerning this report, please feel free to call Melodie R. Sanjari at 574-370-9782.

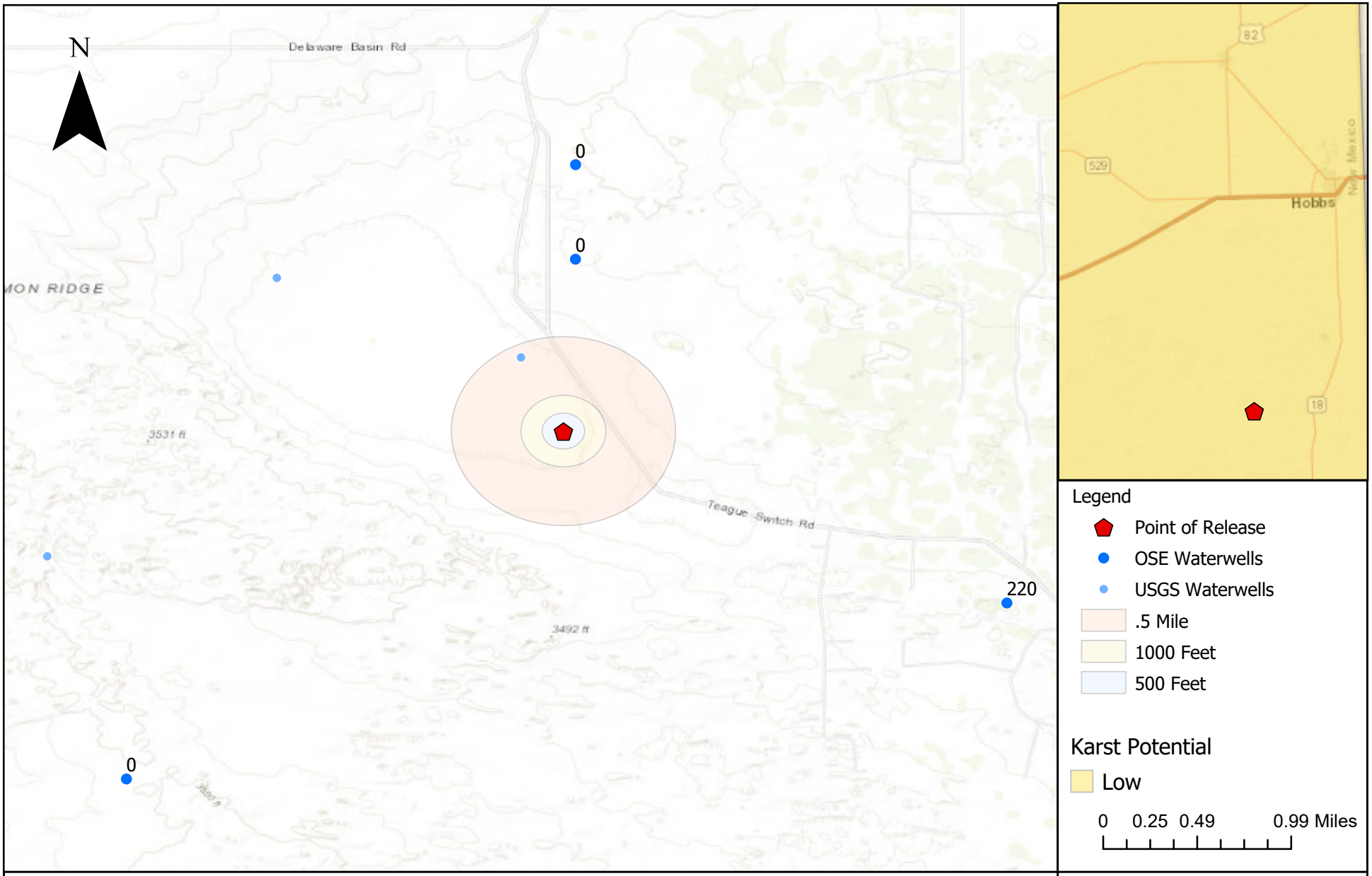
Sincerely,
Souder, Miller & Associates

Melodie R. Sanjari
Project Scientist

Shawna Chubbuck
Senior Scientist

Appendices
Appendix A: Photo Log & Field Notes
Appendix B: C141
Appendix C: Water Well Data

FIGURES



Regional Vicinity & Wellhead Protection Map
Starcaster 18 Fed Com #4H Tank Battery - BTA Oil Producers, LLC
Lea County, New Mexico

Figure 1

Revisions
By:_____ Date:_____ Descr:_____
By:_____ Date:_____ Descr:_____

MRS
Drawn
Date 7/16/2019
Checked
Approved

201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
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P:\5-XTO 2019 MSA On Call Services (5E27960)\GIS\ARCGIS\MISC_MIT.aprx
Date Saved: 7/16/2019

Point of Release

N

0 14 28 56 Feet

Site and Sample Locations
Starcaster 18 Fed Com Tank Battery- BTA Oil Producer, LLC
Lea County, New Mexico

Figure 2

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn MRS
Date 7/16/2019
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains

Date Saved: 7/16/2019

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Appendix A
PHOTO LOG & FIELD NOTES


BTA OIL PRODUCERS, LLC
STARCASTER 18 FEDERAL COM #4H
UL –A– SEC. 18–T23S–R34E
API # 30–025–42025
NMLC065194
CA134517
LEA COUNTY, NM
EMERGENCY 800–588–3753


ACC 1353-4


ACC 1353-3

Souder, Miller & Associates
Liner Inspection Form

Project Name: Star Caster 18 Fed Com 1B Inspection Date: 7/11/19
Client Name: BTA
Client Representative(s): Bob Hall
SMA Inspector(s): MRS & JI
Project Location: A 18 23S 34E Lea Co. Latitude: 32.31139 Longitude: -103.50283

Inspection Parameters as Outlined in 19.15.29.11.A(5) NMAC

PRIOR TO INSPECTION:
Two (2) Business Day Notification of Inspection to Appropriate Division Office (Y/N): Y
Date of Notice: 7/8/19

Material Covering Liner Removed by Client (Y/N): Y

Affected Areas Exposed by Client (Y/N): Y

INSPECTION:
Liner Thoroughly Inspected for Damage (Y/N): Y

All Damaged Areas Observed Marked in **White Paint** on Liner N/A
Photos and Field Notes Detailing Failures Attached to This Form

To Be Completed by Client Representative:
Can Responsible Party Demonstrate:
Liner Integrity Was Maintained (per SMA Inspection) (Y/N): Y
Release Was Contained to Lined Containment Area (Y/N): Y
Liner Was Able to Contain the Leak (Y/N): Y

If **YES**:
Certify on Form C-141 That Liner Remains Intact

If **NO** to Any of Above:
Responsible Party Must Delineate Horizontal & Vertical Extent
Depending on Release:
See Table 1 19.15.29.12 NMAC
See Subparagraph (e) Paragraph (5) of Subsection A 19.15.29.11 NMAC

Additional Comments:
See field notes.

SMA INSPECTOR SIGNATURE
Date: 7/18/2019

CLIENT REPRESENTATIVE
Date:

APPENDIX B
C141

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	NAB1911652112
District RP	1RP-5444
Facility ID	
Application ID	pAB1911650160

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* NAB1911652112
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.31139° Longitude: -103.50283°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Starcaster 18 Fed Com Tank Battery	Site Type: Tank Battery
Date Release Discovered: 4/1/2019	API# *(if applicable)* Nearest well: Starcaster 18 Fed Com #004 API #30-025-42025

Unit Letter	Section	Township	Range	County
A	18	23S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:Limestone Basin Prop Ranch LLC, 18 Desta Dr, Midland, TX 79705*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 390 BBL (Based on volume recovered from lined containment.)	Volume Recovered (bbls) 390 BBL – Lined containment.
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
A head switch malfunction failed to stop the flow of water into the water tanks. The tanks overflowed 390 BBL of produced water into the lined containment of the tank battery. The produced water was completely recovered with a vacuum truck from the lined containment.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1911652112
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Facility ID	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? NMOCD Rules define a release greater than 25 BBL as a major release.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, I received notification of the release via email today. This C-141 Form is being sent as immediate notice of the release.

Initial Response

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 4/2/2019

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Amalia Bustamante Date: 4/26/2019

APPENDIX C
WATER WELL DATA

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twp	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	862	497	255	242
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	1593	494	305	189
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	1624	430	20	410
CP 01130 POD2		CP	LE	2	1	2	07	23S	34E	640674	3577549	1635	27		
CP 01130 POD1		CP	LE	2	1	2	07	23S	34E	640662	3577558	1646	27		
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	1739	648	200	448
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	2075	680	300	380
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2608	594	200	394

Average Depth to Water: **213 feet**
Minimum Depth: **20 feet**
Maximum Depth: **305 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 640943 **Northing (Y):** 3575936 **Radius:** 3000

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

USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 321901103185101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

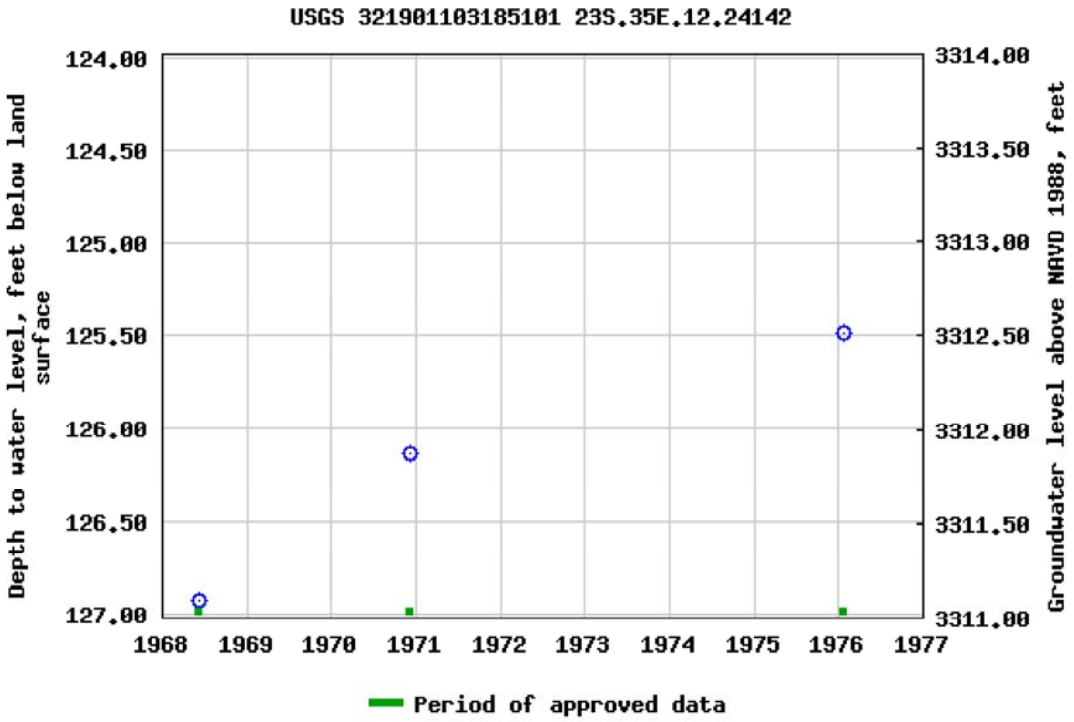
USGS 321901103185101 23S.35E.12.24142

Available data for this site Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°19'01", Longitude 103°18'51" NAD27
Land-surface elevation 3,438 feet above NAVD88
The depth of the well is 140 feet below land surface.
This well is completed in the Chinle Formation (231CHNL) local 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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Search Results -- 1 sites found

site_no list =

- 321629103193501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

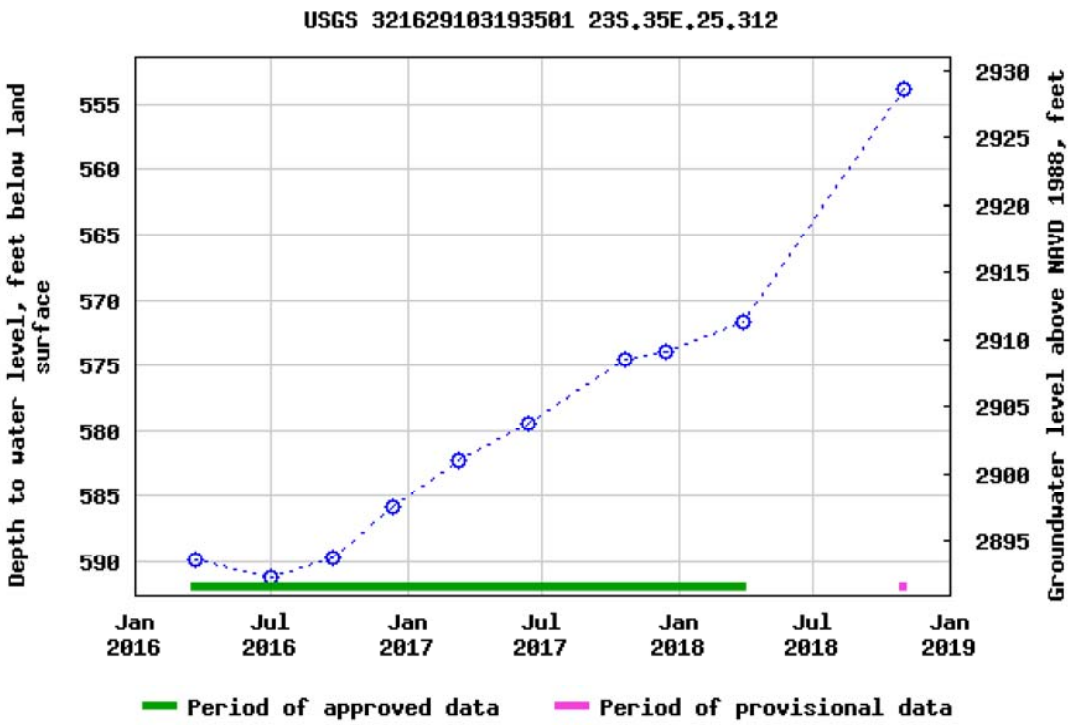
USGS 321629103193501 23S.35E.25.312

Available data for this site Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°16'29.2", Longitude 103°19'35.3" NAD83
Land-surface elevation 3,483 feet above NAVD88

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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