Site Information

Closure Report
Superfortress 29 Federal #3H (10.02.21)
Eddy County, New Mexico
Unit C, S29, T19S, R31E
32.637748°, -103.892857°

Incident #: NAPP2122430566
Produced Water Release
Source: Hole in the transfer pump
Release Date: 07/29/2021
Volume Released: 44 bbls/Produced Water
Volume Recovered: 43 bbls/Produced Water

Incident #: NAPP2128746862
Produced Water Release
Source: Hole in the bottom threading
Release Date: 10/02/2021
Volume Released: 114 bbls/Produced Water
Volume Recovered: 114 bbls/Produced Water

Prepared for:
Concho Operating, LLC
15 West London Rd
Loving, NM 88256

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

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FIGURES

TABLES/PHOTOLOG

APPENDICES

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

December 16, 2021

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Superfortress 29 Federal #3H (10.02.21)
Concho Operating, LLC
Site Location: Unit C, S29, T19S, R31E
(Lat 32.637748º, Long -103.892857º)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document the liner inspection activities for the Superfortress 29 Federal 003H. The site is located at 32.637748º, -103.892857º within Unit C, S29, T19S, R31E, and approximately 13.47 miles Southeast of Loco Hills, New Mexico, in Eddy County (Figures 1 and 2).

Background

NAPP2122430566

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 29, 2021, due to a hole developing in the transfer pump. It resulted in the release of approximately forty-four (44) barrels of produced water. Approximately forty-three (43) barrels of produced water were recovered. The initial C-141 form is attached in Appendix A.

NAPP2128746862

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 2, 2021, due to corrosion and a hole in the bottom threading. It resulted in the release of approximately one hundred and fourteen (114) barrels of produced water. Approximately one hundred and fourteen (114) barrels of produced water were recovered. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water well source within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.17 miles Southeast of the site in S28, T25S, R26E. The well has a reported depth to groundwater of 118.81 feet below ground surface (ft bgs). A copy of the associated *USGS – National Water Information System* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride 600 mg/kg.

Liner Inspection

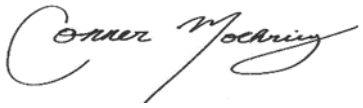
On October 28, 2021, New Tech Global Environmental conducted liner inspection activities to assess the liner's integrity within the facility. NTGE personnel proceeded to inspect the liner visually. The liner was found to be intact with no integrity issues. Refer to the Photolog.

Conclusions

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

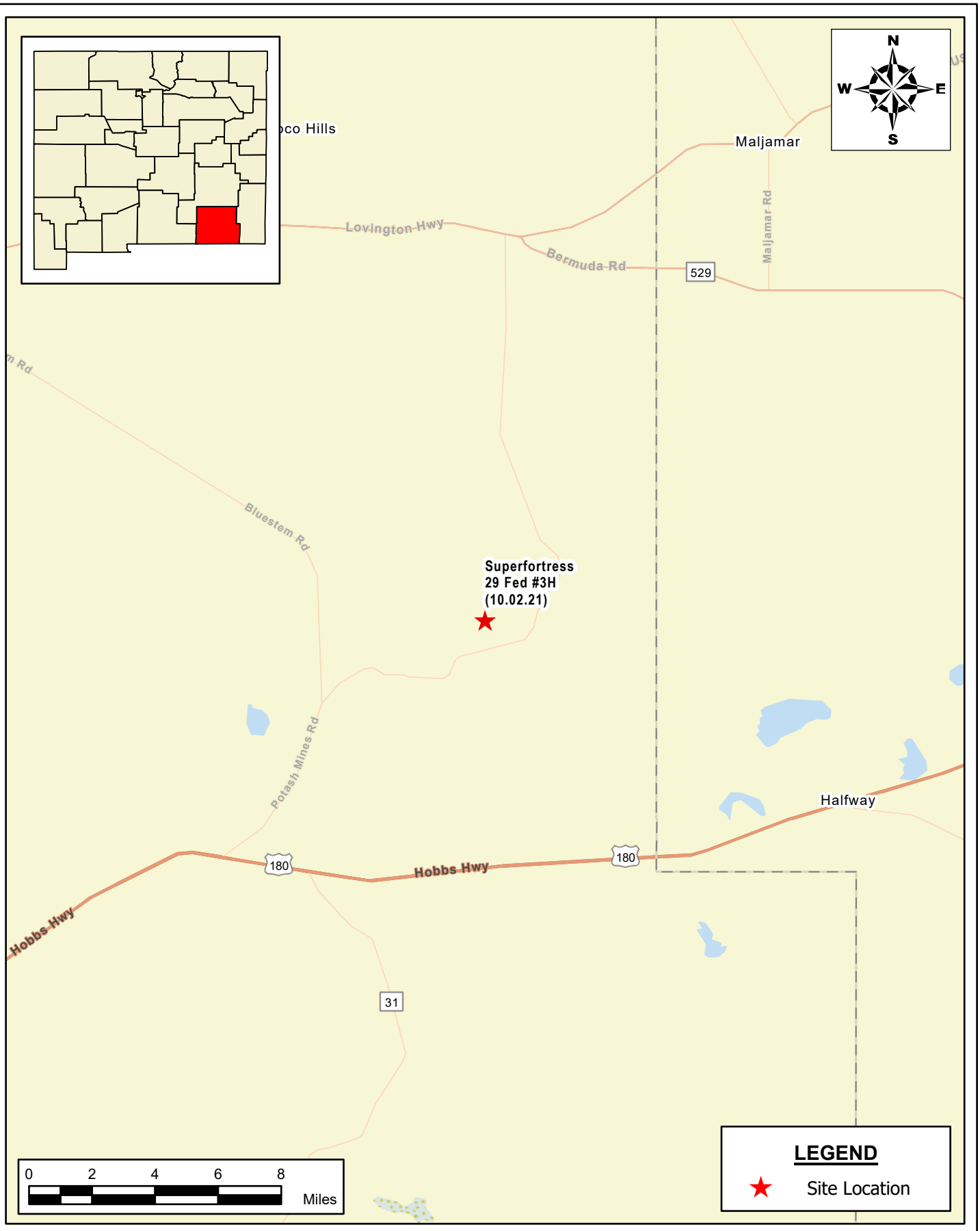
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager

Figures



SITE LOCATION MAP
COG OPERATING, LLC
SUPERFORTRESS 29 FED #3H
EDDY COUNTY, NEW MEXICO
32.637748, -103.892857

SCALE: As Shown | Date: 11/18/2021 | PROJECT #: 214815

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

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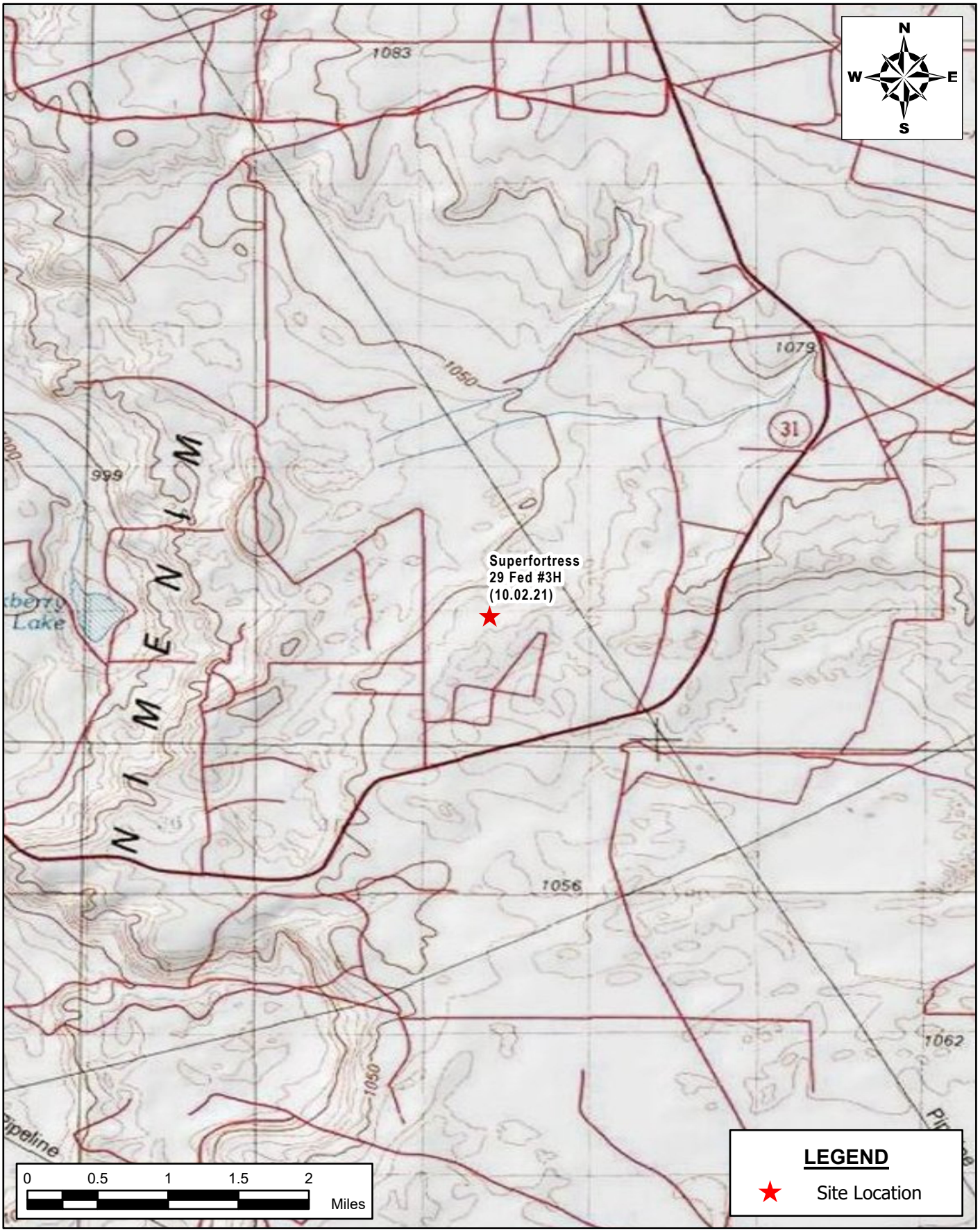

AREA MAP
COG OPERATING, LLC
SUPERFORTRESS 29 FED #3H
EDDY COUNTY, NEW MEXICO
32.637748, -103.892857

SCALE: As Shown | Date: 11/18/2021 | PROJECT #: 214815

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Houston, Texas 77060
T - 281.872.9300
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Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\COG\RSC\214815 - Superfortress 29 Federal 003H (10.02.21)\7 - Figures\Geodatabase\Superfortress Figures.aprx

SECONDARY CONTAINMENT MAP
COG OPERATING, LLC
SUPERFORTRESS 29 FED #3H
EDDY COUNTY, NEW MEXICO
32.637748, -103.892857

SCALE: As Shown | Date: 11/18/2021 | PROJECT #: 214815

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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Photo Log

PHOTOGRAPHIC LOG

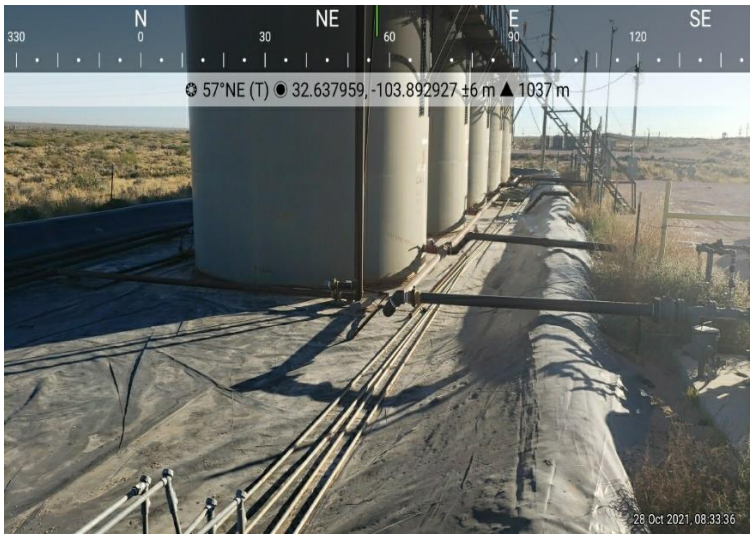
COG Operating, LLC

Photograph No. 1

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

Description:
View Northeast, of liner inside the facility.

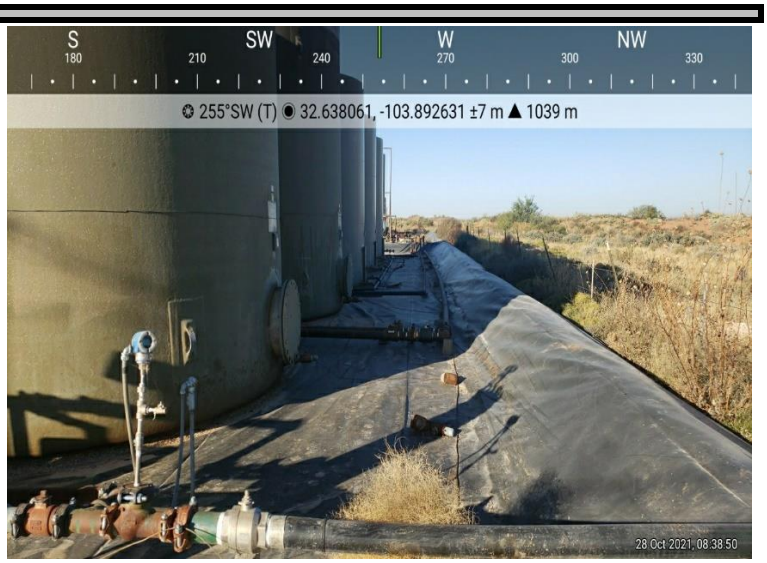


Photograph No. 2

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

Description:
View Southwest, of liner inside the facility.



Photograph No. 3

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

Description:
View West, of liner inside the facility.

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

Description:
View Northeast, of liner inside the facility.

Photograph No. 5

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

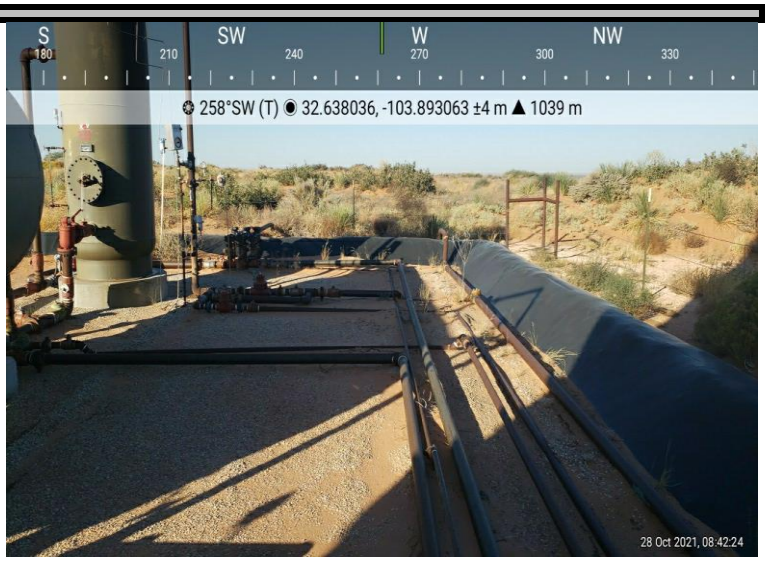
Description:
View Northwest, of liner inside the facility.

Photograph No. 6

Facility: Superfortress 29 Federal 003H (10.02.21)

County: Eddy County, New Mexico

Description:
View Southwest, of liner inside the facility.



Appendix A

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	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		

Form C-141 State of New Mexico
Page 2 Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	SuperFortress 29 Fed 3H
Asset Area:	NDBW
Release Discovery Date & Time:	7/29/2021
Release Type:	Produced Water
Provide any known details about the event:	Hole in piping from tank to wtr xfer pump

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	140.0	28.0	3.00	4	3920.000	0.063	43.610	0.003	43.746
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
								Total Volume Release:	43.746

Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
[redacted]		

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(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

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Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

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☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: Jacqui Harris _____ Date: 12/16/2021

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

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.

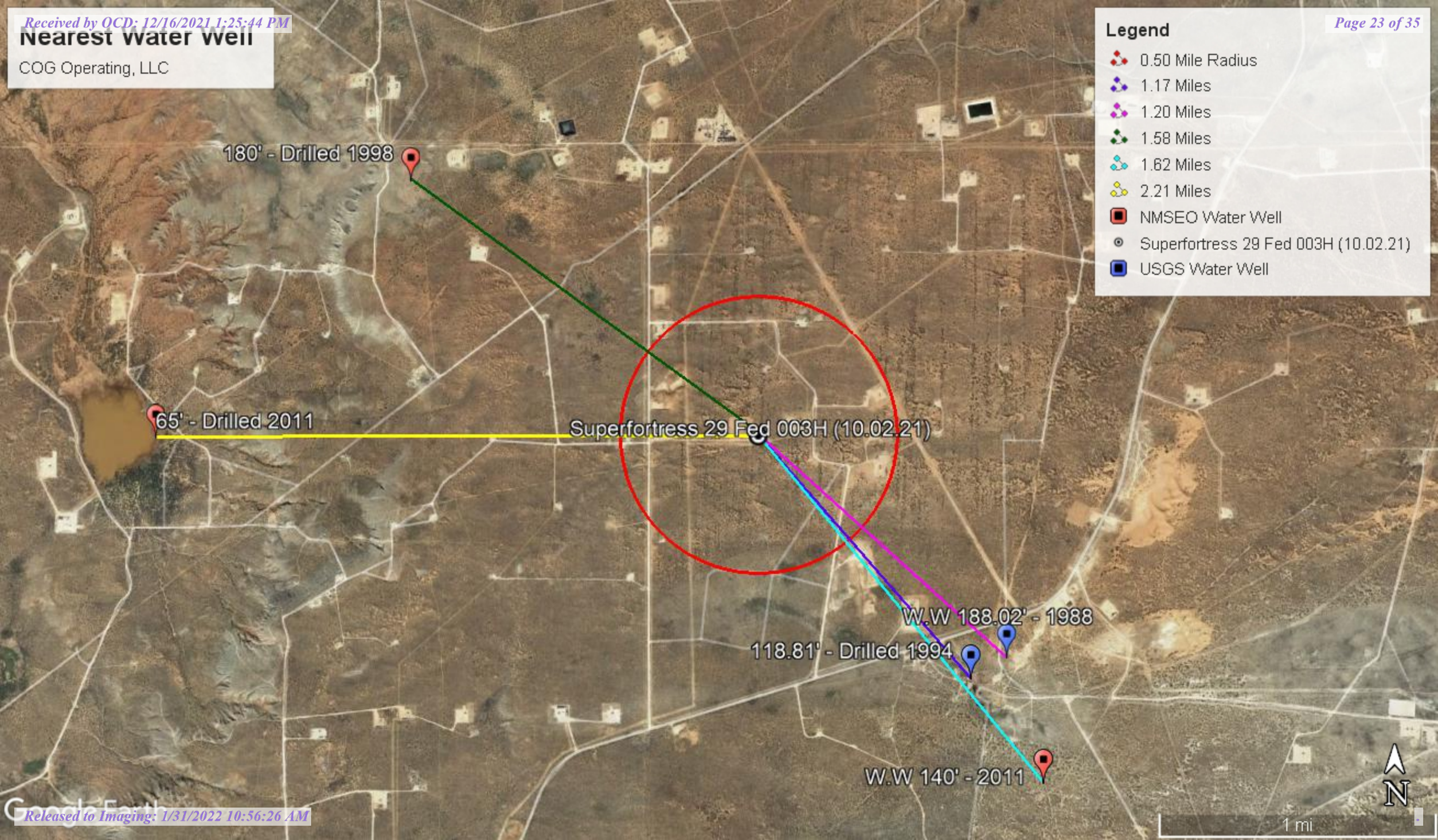
Closure Approved by: Jennifer Nobui Date: _____

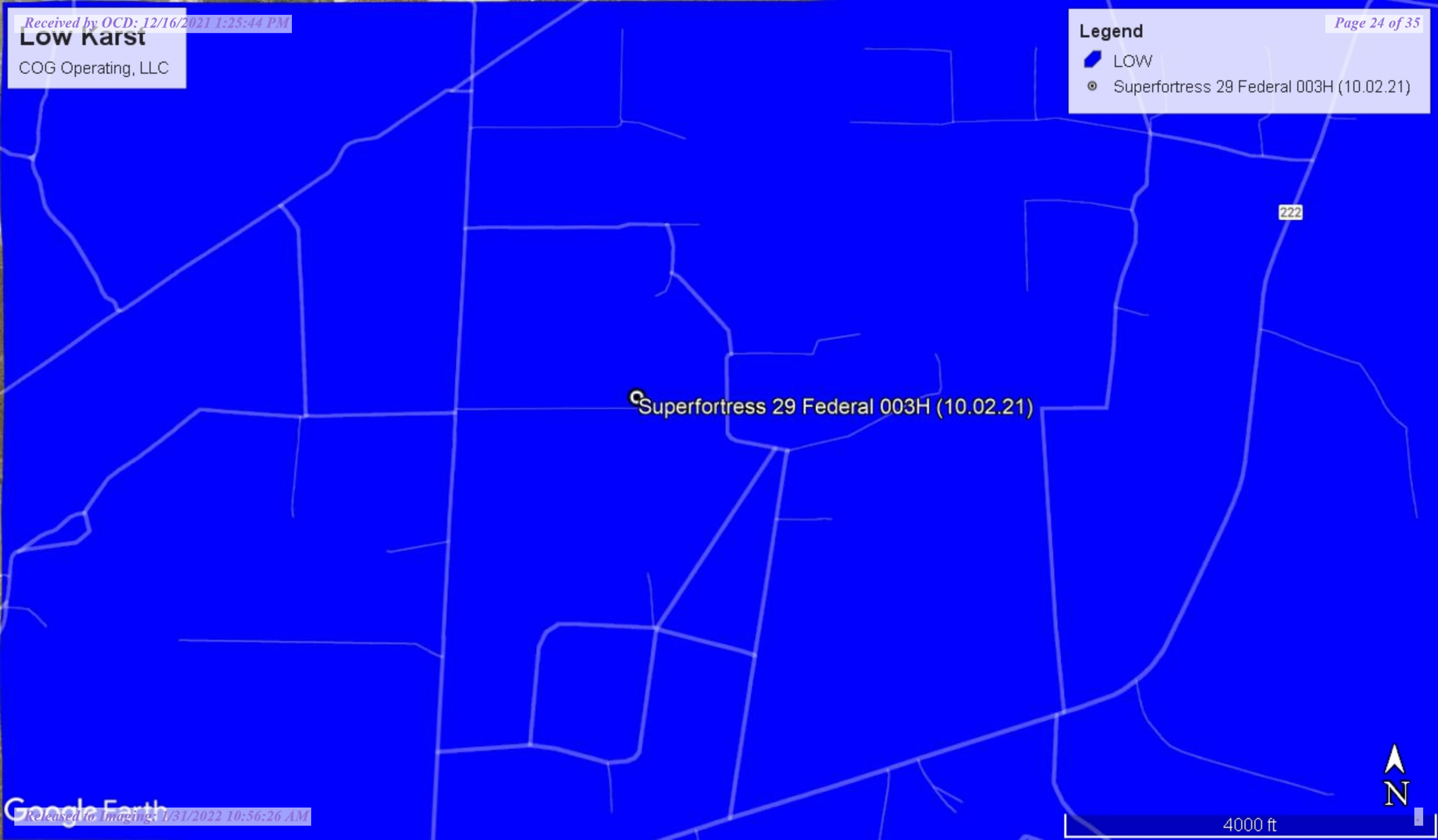
Printed Name: _____ Title: _____

Appendix B

Nearest Water Well

COG Operating, LLC





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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	1597	231		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	1879	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	1879	200		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	2037	139		
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	2547	340	180	160
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	2603	220	140	80
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	3292	120		
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	3322	630		
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	3572	350	65	285
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	3706	400		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	3708	630		
CP 01864 POD1		CP	ED	4	2	1	34	19S	31E	607068	3609824	3711	110		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	3720	400		

Average Depth to Water: **128 feet**

Minimum Depth: **65 feet**

Maximum Depth: **180 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 603848 **Northing (Y):** 3611670 **Radius:** 4000

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

National Water Information System: Web Interface

USGS Water Resources | Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323730103524701

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 323730103524701 19S.31E.28.334133

Eddy County, New Mexico
Latitude 32°37'30", Longitude 103°52'47" NAD27
Land-surface elevation 3,445 feet above NGVD29
The depth of the well is 204.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Dockum Group (231DCKM) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

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
1988-03-08		D	62610		3333.62	NGVD29		S			A
1988-03-08		D	62611		3335.18	NAVD88		S			A
1988-03-08		D	72019	111.38				S			A
1994-03-18		D	62610		3326.19	NGVD29		S			A
1994-03-18		D	62611		3327.75	NAVD88		S			A
1994-03-18		D	72019	118.81				S			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		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323734103523901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 323734103523901 19S.31E.28.33124

Eddy County, New Mexico
Latitude 32°37'34", Longitude 103°52'39" NAD27
Land-surface elevation 3,473 feet above NAVD88
The depth of the well is 230 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

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
1977-12-15		D	62610		3284.57	NGVD29	1	Z			A
1977-12-15		D	62611		3286.13	NAVD88	1	Z			A
1977-12-15		D	72019	186.87			1	Z			A
1983-01-19		D	62610		3283.91	NGVD29	1	Z			A
1983-01-19		D	62611		3285.47	NAVD88	1	Z			A
1983-01-19		D	72019	187.53			1	Z			A
1988-02-23		D	62610		3283.42	NGVD29	1	Z			A
1988-02-23		D	62611		3284.98	NAVD88	1	Z			A
1988-02-23		D	72019	188.02			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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
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U.S. Department of the Interior | U.S. Geological Survey

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: 2021-10-27 15:55:13 EDT
0.34 0.3 nadww01

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00873 POD1	1	1	1	19	19S	31E	601772	3613147*

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: GLENN, CLARK A."CORKY"

Drill Start Date:	01/02/1998	**Drill Finish Date:**	01/05/1998	**Plug Date:**	
Log File Date:	01/15/1998	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	50 GPM
Casing Size:	6.62	**Depth Well:**	340 feet	**Depth Water:**	180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	240	320	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	226	340

Meter Number:	805	**Meter Make:**	MASTER
Meter Serial Number:	1748543	**Meter Multiplier:**	100.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
01/01/1999	1999	37400	A	fm		0	
01/15/1999	1999	43541	A	fm		1.885	
04/27/2000	2000	14849	R	jw	Meter Rollover	298.083	
07/31/2000	2000	24399	A	jw		2.931	

**YTD Meter Amounts:	Year	Amount
	1999	1.885
	2000	301.014

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00722 POD3	2	4	1	33	19S	31E	605519	3609673*

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, CASEY

Drill Start Date: 05/02/2011 **Drill Finish Date:** 05/04/2011 **Plug Date:**

Log File Date: 05/17/2011 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 100 GPM

Casing Size: 5.00 **Depth Well:** 220 feet **Depth Water:** 140 feet

Water Bearing Stratifications:

Top	Bottom	Description
140	150	Sandstone/Gravel/Conglomerate
170	220	Sandstone/Gravel/Conglomerate

Meter Number: 19084 **Meter Make:** SEAMETRICS

Meter Serial Number: 101903750408 **Meter Multiplier:** 1000.0000

Number of Dials: 8 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
07/01/2020	2020	0	A	RPT		0	
10/12/2020	2020	409	A	RPT		1.256	
12/31/2020	2020	724	A	RPT		0.966	

**YTD Meter Amounts:	Year	Amount
	2020	2.222

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 00722 POD2	2	1	1	25	19S	30E	600276	3611620*

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, CASEY

Drill Start Date: 04/26/2011 **Drill Finish Date:** 05/02/2011 **Plug Date:**

Log File Date: 05/17/2011 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 100 GPM

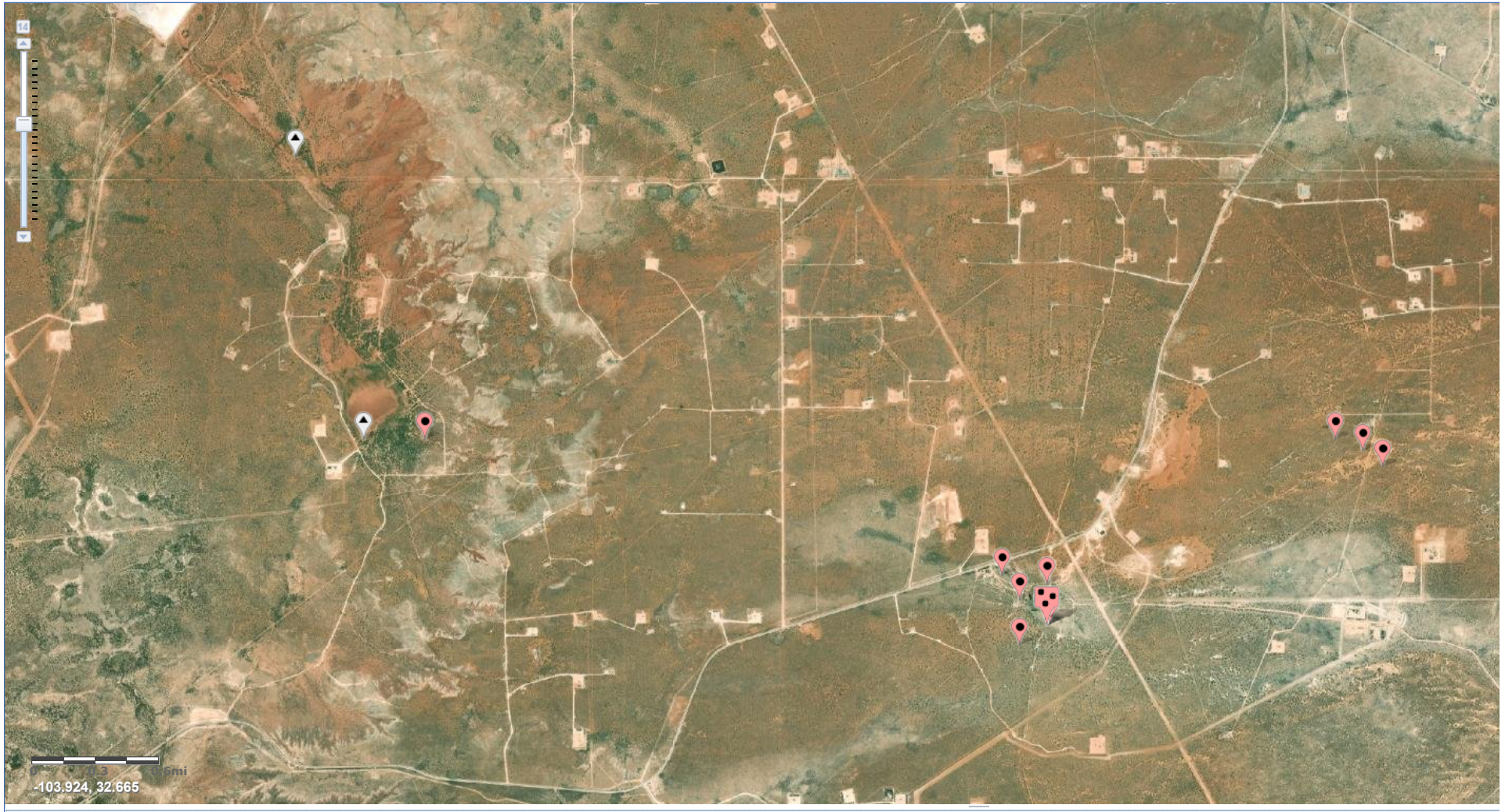
Casing Size: 6.00 **Depth Well:** 350 feet **Depth Water:** 65 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	68	Sandstone/Gravel/Conglomerate
	295	345	Sandstone/Gravel/Conglomerate

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

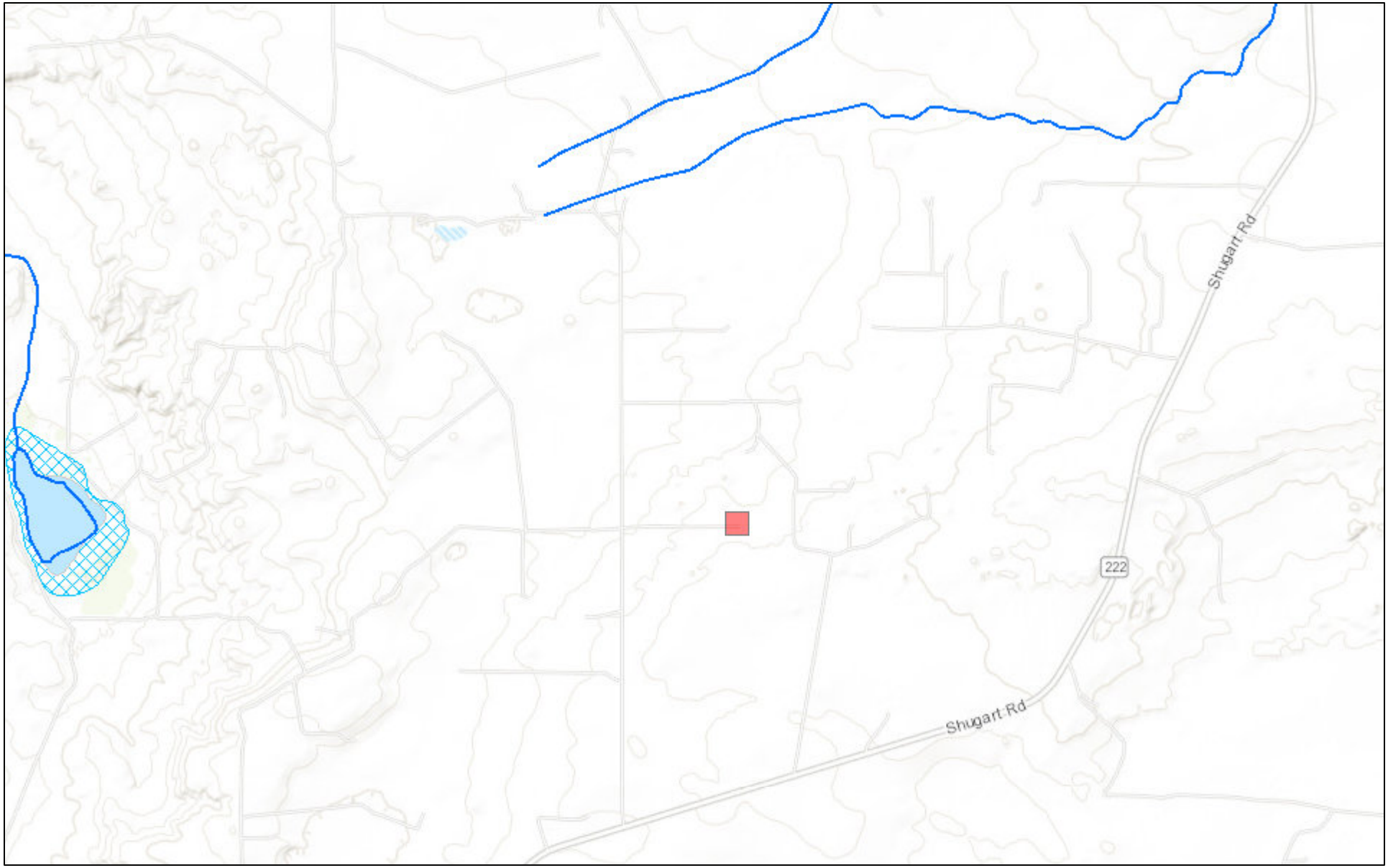
USGS science for a changing world

National Water Information System: Mapper



Site Information

New Mexico NFHL Data



October 27, 2021

1:36,112

0 0.3 0.6 1.2 mi

0 0.5 1 2 km

FEMA

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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 67511

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 67511
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report is approved. Going forward, please include a copy of the 2 business day notification of liner inspection in report.	1/31/2022