

Incident ID	NAPP2110650720
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.

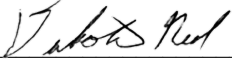
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☒ 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: Dakota Neel

Title: HSE Coordinator

Signature: 

Date: 9/13/2021

email: dneel@spurepllc.com

Telephone: 832-849-7837

OCD Only

Received by: Robert Hamlet

Date: 2/11/2022

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: Robert Hamlet

Date: 2/11/2022

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



Pima Environmental Services, LLC.
1601 N Turner, Suite 500
Hobbs, NM, 88240
575-964-7740

September 13th, 2021

NMOCD District 2
Mr. Chad Hensley
811 S. First St
Artesia, NM, 88210

**RE: Liner Inspection and Closure Report
Chaser 8 State #002
API No. 30-015-37807
GPS: Latitude 32.8501129 Longitude -104.0916519
UL "H", Section 8, Township 17S, Range 29E
NMOCD Reference No. NAPP2110650720**

Dear Mr. Hensley,

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a liner inspection and prepare this closure report for a release that happened at the Chaser 8 State #002 (Chaser). An initial C141 was submitted on April 16th, 2021, and can be found in Appendix B. This incident was assigned Incident ID NAPP2110650720, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Chaser is located approximately seven (7) miles northwest of Loco Hills, NM. This spill site is in Unit H, Section 8, Township 17S, Range 29E, Latitude 32.8501129, Longitude -104.0916519, Eddy County, NM.

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 76 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 34 feet BGS. See Appendix A for referenced water surveys. The Chaser is in a high karst area.

Release Information

NAPP2110650720: On April 11th, 2021, the 2" inlet line to the produced water tank leaked causing the release of fluid. All fluid released was contained within the gravel/lined, secondary containment. The fluid released was calculated to be approximately 9.3 barrels (bbls) of produced water. The gravel on top of the liner was measured to be approximately 8-10 inches deep, therefore no standing fluid was able to be recovered.

Site Assessment and Liner Inspection

On April 14th, 2021, Pima mobilized personnel to the site to perform an assessment of the liner and the gravel on top of the liner. We recommended that the contaminated gravel be removed so that a proper inspection of the liner underneath could be performed.

On May 5th, 2021, Pima returned to the site to begin remedial activities. We used a hand crew to remove all the loose pea gravel from within the secondary containment area. We did not remove any gravel that was pertinent to the foundation of any vessel base. All contaminated material was hauled off to an approved disposal site.

On September 1st, 2021, after sending a 48-hour notification, Pima returned to the site to perform a liner inspection and collect composite samples from around the outside of the secondary containment. The liner inspection report and photographic documentation can be found in Appendix C. The laboratory results of this sampling event can be found in the following table.

9-1-21 Composite Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 34')								
Spur Energy - Chaser 8 State #002								
Date 9-1-2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
N - Comp	0-6"	ND	ND	ND	ND	ND	0	ND
E - Comp	0-6"	ND	ND	ND	ND	ND	0	ND
S - Comp	0-6"	ND	ND	ND	ND	ND	0	ND
W - Comp	0-6"	ND	ND	ND	ND	ND	0	ND

ND – Analyte Not Detected

Complete laboratory results can be found in Appendix D.

Closure Request

After careful review, Pima requests that this incident, NAPP2110650720, be closed. Spur has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Respectfully,

Tom Bynum

Tom Bynum
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – C-141s
- Appendix C – Liner Inspection Form & Photographic Documentation
- Appendix D – Laboratory Results



Pima Environmental Services

Figures:

1 - Location Map

2 - Topo Map

3 - Karst Map

4 - Site Map

Chaser 8 State 2

Spur Energy
AP# 30-015-37807
Eddy County, NM
Location Map

Legend

● Chaser 8 St #2

Chaser 8 St #2

Loco Hills

Google Earth

© 2021 Google

Released to Imaging: 2/11/2022 10:31:24 AM

7 mi

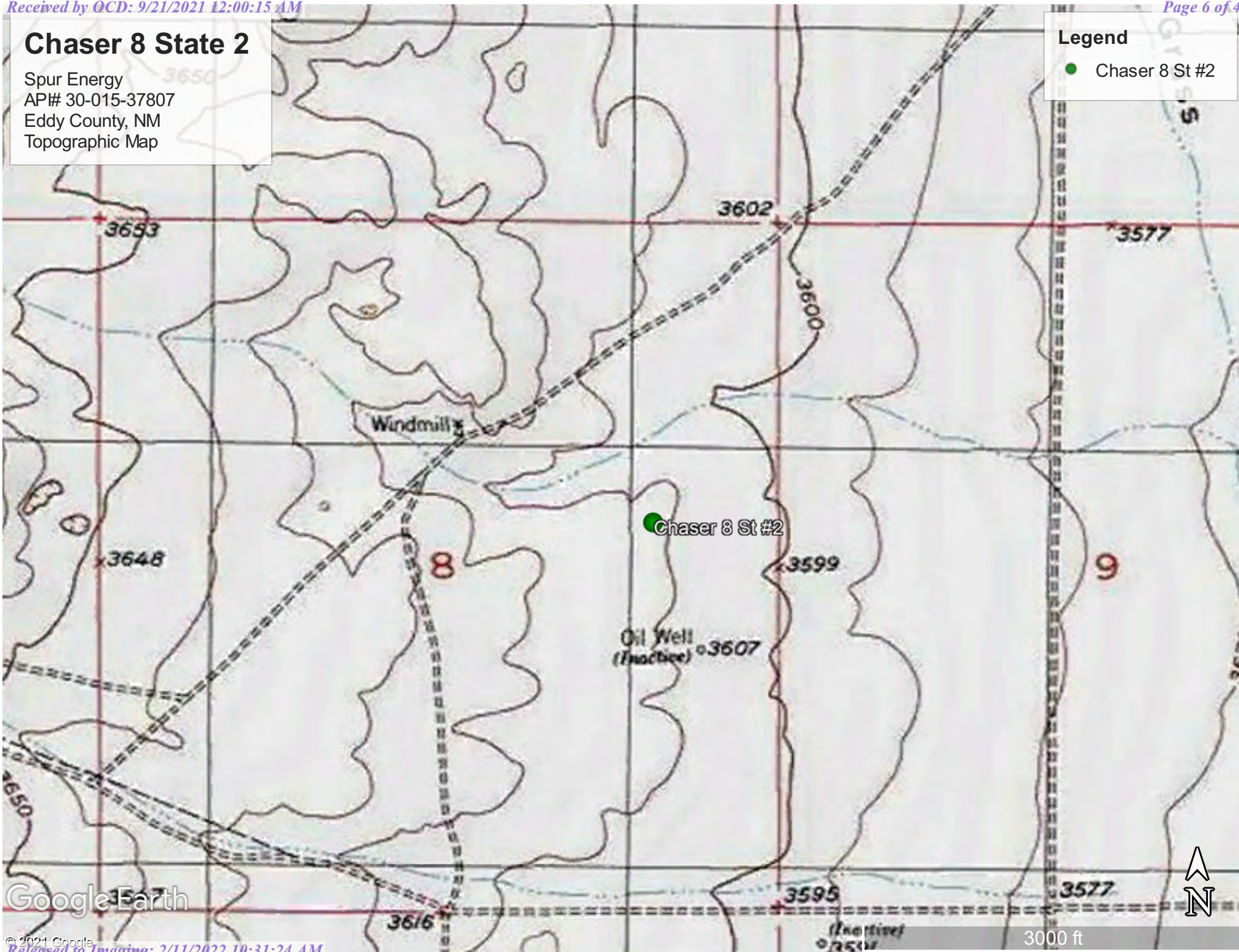


Chaser 8 State 2

Spur Energy
AP# 30-015-37807
Eddy County, NM
Topographic Map

Legend

● Chaser 8 St #2



Google Earth

Chaser 8 State 2

Spur Energy
API# 30-015-37807
Eddy County, NM
Karst Map

- Legend**
- High Karst
 - Low Karst
 - Medium Karst

Chaser 8 St #2

Google Earth

© 2021 Google



3 mi

Chaser 8 State 2

Spur Energy
AP# 30-015-37807
Eddy County, NM
Site Map

Legend

- Composite Samples
- Spill Area



Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



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	DepthWell	DepthWater	Water Column
RA 11807 POD1		RA	ED	1	2	3	22	17S	29E	587360	3631585	4179	131	76	55
RA 12307 POD1		RA	ED	4	2	2	14	17S	28E	580495	3633981	4626	140	58	82
RA 12299 POD1		RA	ED	4	3	3	25	16S	28E	580832	3639215	5902	115	70	45
RA 09342		RA	ED	4	4	3	19	16S	29E	582737	3640640*	6043	220	110	110

Average Depth to Water: **78 feet**

Minimum Depth: **58 feet**

Maximum Depth: **110 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 584999.63

Northing (Y): 3635035.55

Radius: 8000

*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.

8/3/21 9:38 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News 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 the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 325141104082301

Minimum number of levels = 1

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

USGS 325141104082301 17S.28E.02.424314

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°51'41", Longitude 104°08'23" NAD27

Land-surface elevation 3,571 feet above NAVD88

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

This well is completed in the San Andres Limestone (313SADR) local aquifer.

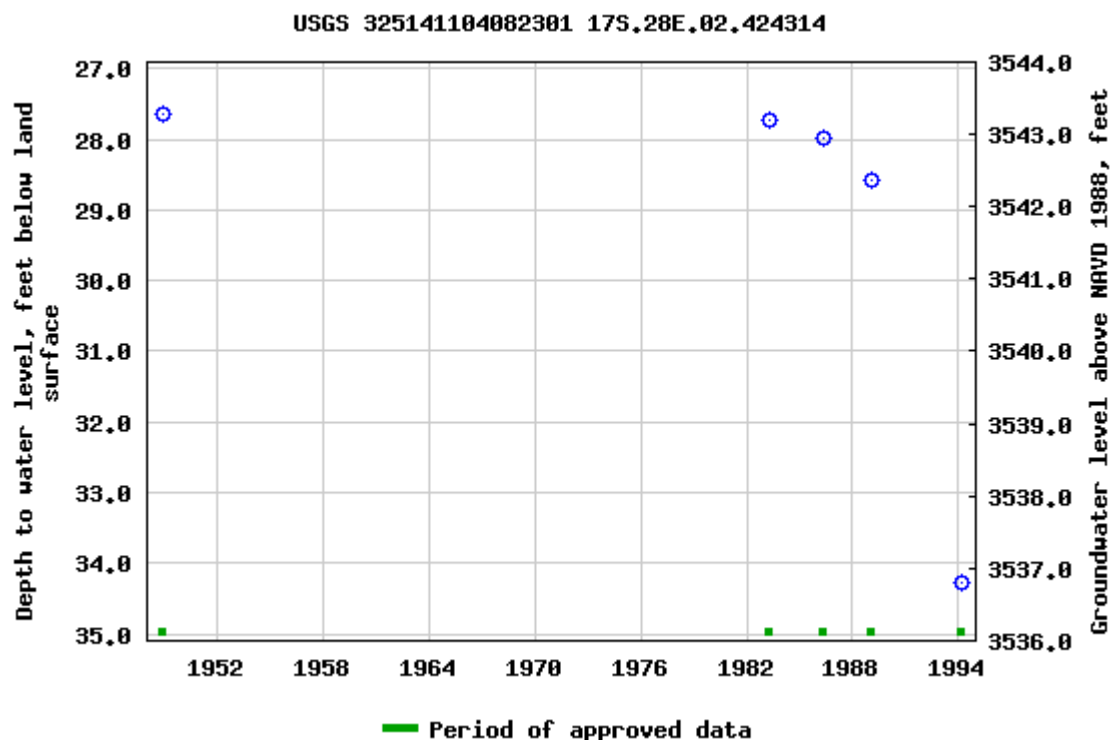
Output formats

[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.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

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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: 2021-08-03 11:39:27 EDT

0.56 0.49 nadww01





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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 324936104040501

Minimum number of levels = 1

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

USGS 324936104040501 17S.29E.22.11124

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°49'36", Longitude 104°04'05" NAD27

Land-surface elevation 3,541 feet above NAVD88

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

This well is completed in the San Andres Limestone (313SADR) local aquifer.

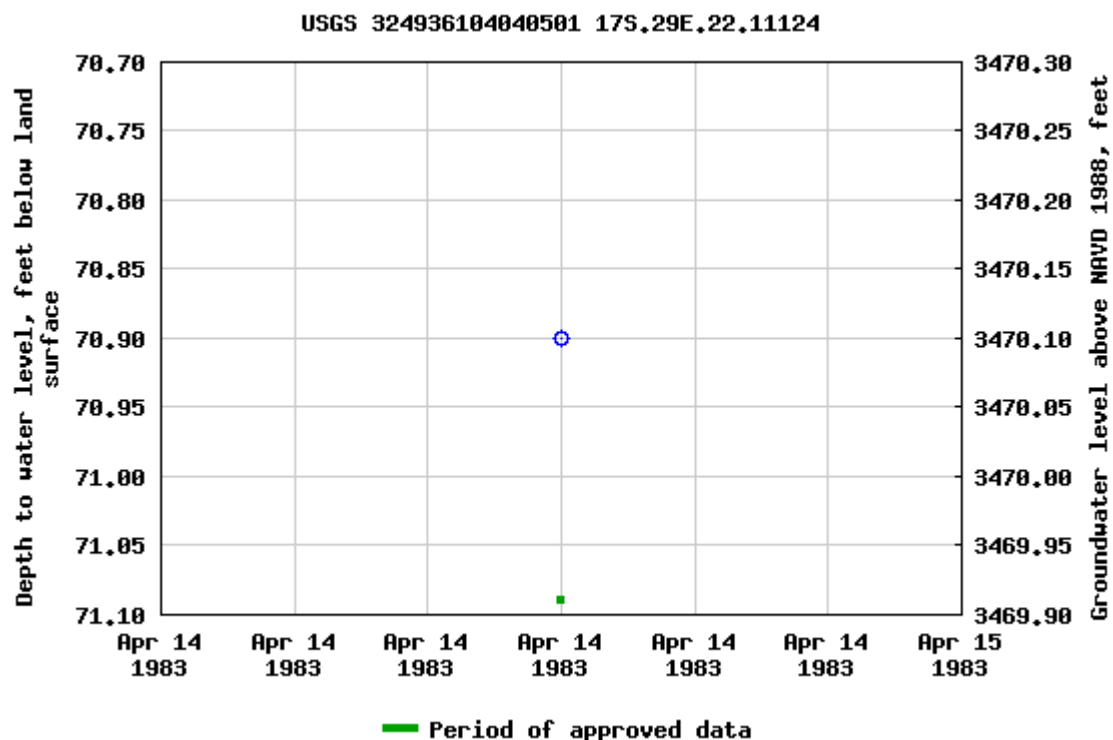
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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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: 2021-08-03 11:40:35 EDT

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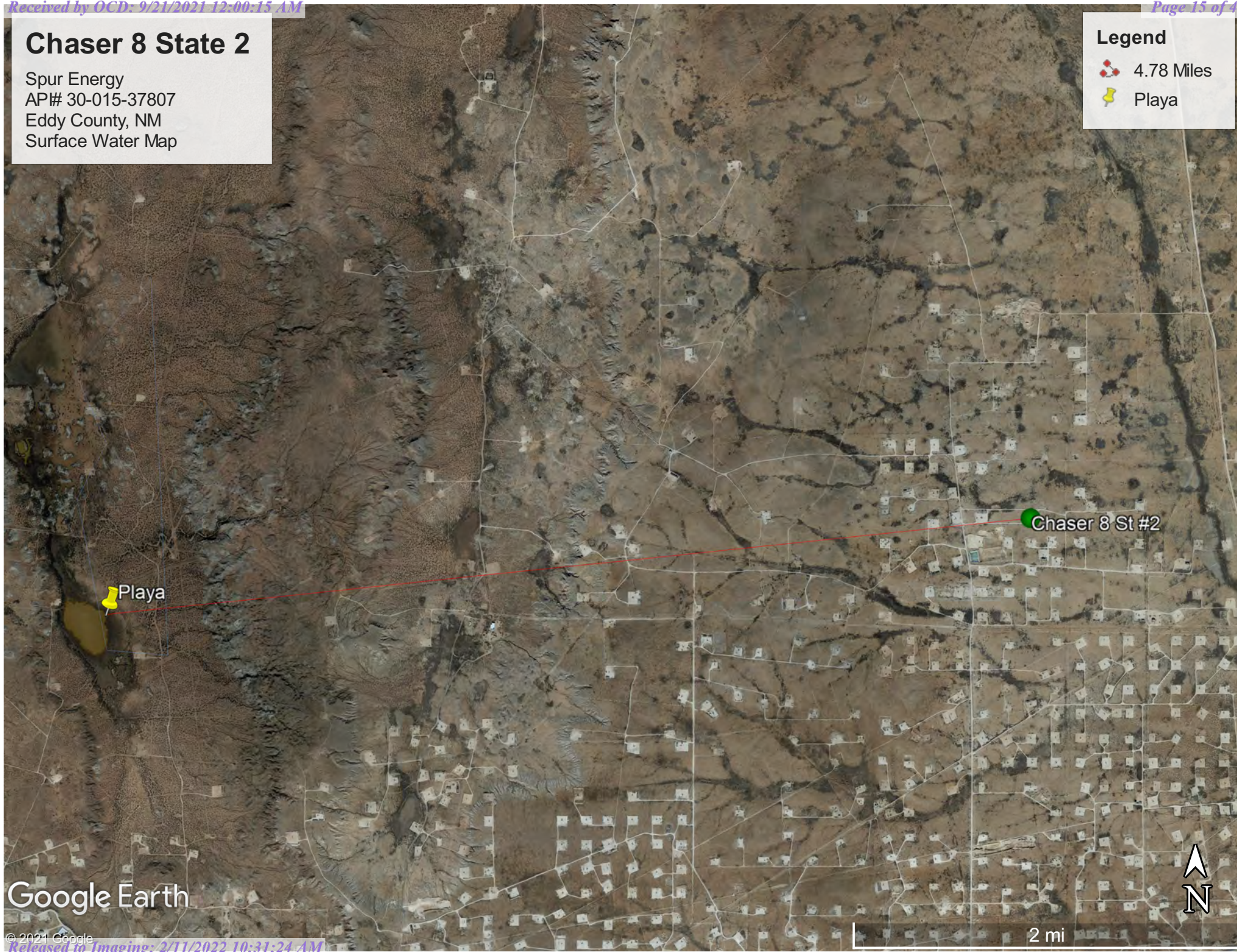


Chaser 8 State 2

Spur Energy
AP# 30-015-37807
Eddy County, NM
Surface Water Map

Legend

-  4.78 Miles
-  Playa



Google Earth



Pima Environmental Services

Appendix B

C-141's:

Initial

Final

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	nAPP2110650720
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Spur Energy Partners	OGRID
Contact Name	Kenny Kidd	Contact Telephone 575-616-5400
Contact email	kkidd@spurepllc.com	Incident # (assigned by OCD)
Contact mailing address	919 Milam Street, Ste. 2475, Houston, TX 77002	

Location of Release Source

Latitude 32.8501129 Longitude -104.0916519
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Chaser 8 State #002	Site Type	Production
Date Release Discovered	4-11-2021	API# (if applicable)	30-015-37807

Unit Letter	Section	Township	Range	County
H	8	17S	29E	Eddy

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) 9.3	Volume Recovered (bbls) 0
	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 2" inlet line to the tank leaked Produced Water. This battery has a lined containment.

Incident ID	NAPP2110650720
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 <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>Polly Dougless</u>	Title: <u>Pima Environmental Services, LLC</u>
Signature: <u>Polly Dougless</u>	Date: <u>4-16-2021</u>
email: <u>polly@pimaoil.com</u>	Telephone: <u>575-964-7740</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NAPP2110650720
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?	<50 (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

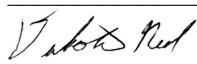
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2110650720
District RP	
Facility ID	
Application ID	

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Printed Name: Dakota Neel Title: HSE Coordinator
Signature:  Date: 9/13/2021
email: dneel@spurepllc.com Telephone: 832-849-7837

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2110650720
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.

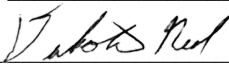
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☒ 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: Dakota Neel

Title: HSE Coordinator

Signature: 

Date: 9/13/2021

email: dneel@spurepllc.com

Telephone: 832-849-7837

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: _____



Pima Environmental Services

Appendix C

Liner Inspection Form

Photographic Documentation



Pima Environmental Services, LLC

Liner Inspection FormCompany Name: Spur Energy Partners, LLC.Site: Chaser 8 State #2Lat/Long: 32.8501129, -104.0916519NMOCD Incident ID
& Incident Date: NAPP2110650720 -- 4/11/20212-Day Notification
Sent: 8-30-2021Inspection Date: 9/1/2021

Liner Type: **Earthen w/liner** Earthen no liner Polystar
Steel w/poly liner Steel w/spray epoxy No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Tristan Jones Inspector Signature: Tristan Jones



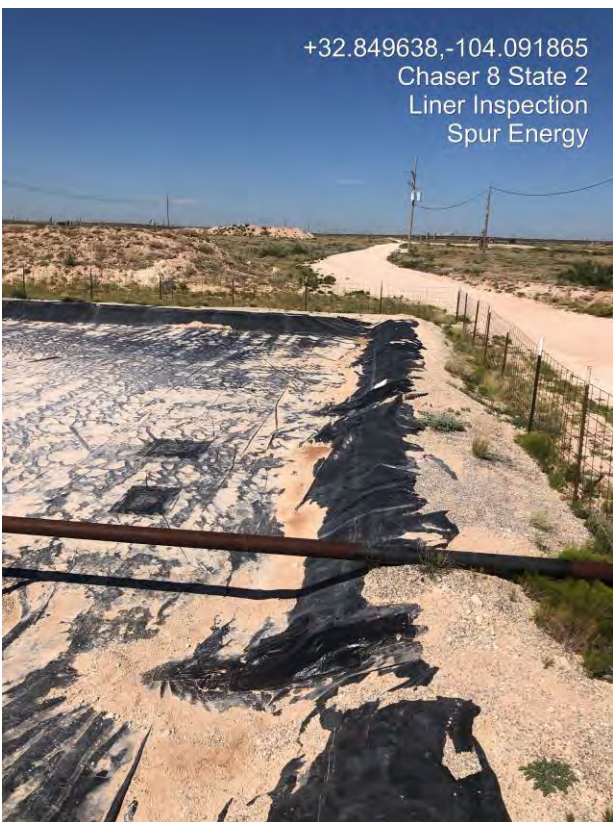
**SITE PHOTOGRAPHS
SPUR ENERGY PARTNERS
CHASER 8 STATE #002**





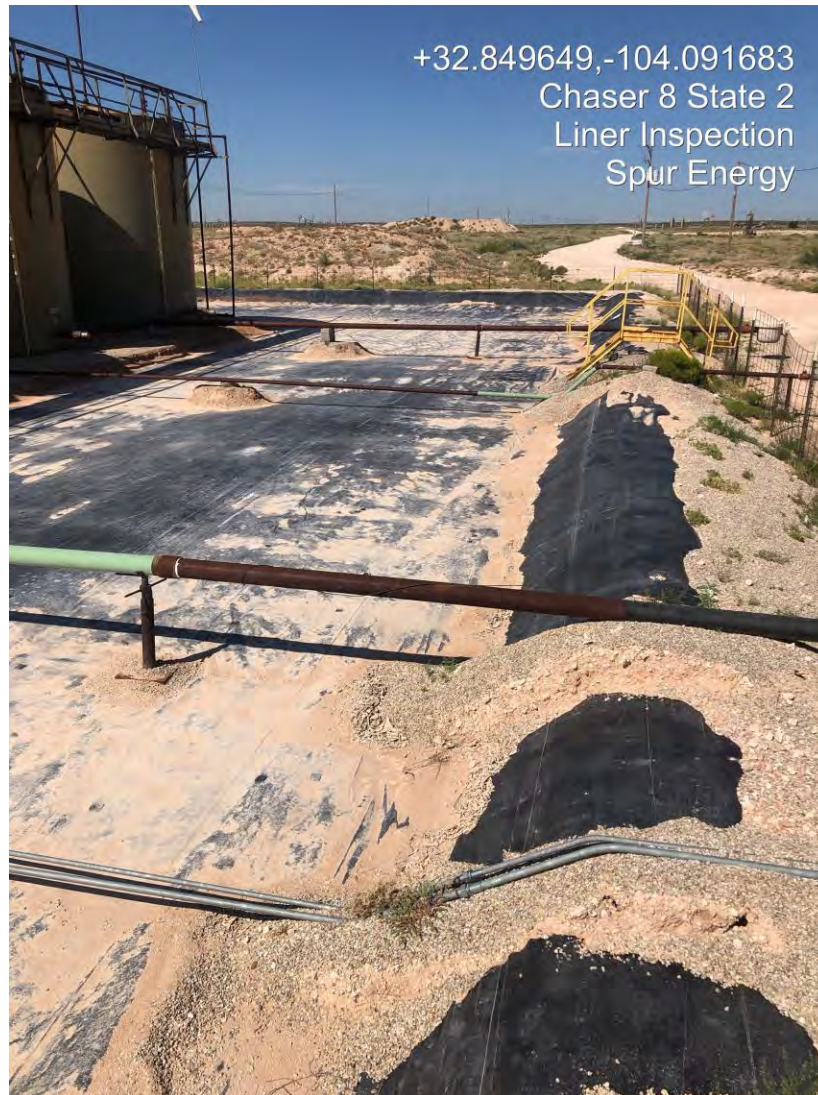














Pima Environmental Services

Appendix D

Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 13, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: CHASER 8 ST 2

Enclosed are the results of analyses for samples received by the laboratory on 09/07/21 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 09/07/2021
Reported: 09/13/2021
Project Name: CHASER 8 ST 2
Project Number: 6-13
Project Location: SPUR - EDDY CO NM

Sampling Date: 09/01/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: N - COMP (H212433-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.7	2.00	3.60	
Toluene*	<0.050	0.050	09/08/2021	ND	2.03	101	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	2.00	100	2.00	2.75	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.07	101	6.00	2.01	
Total BTX	<0.300	0.300	09/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	202	101	200	0.482	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.0 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 09/07/2021
Reported: 09/13/2021
Project Name: CHASER 8 ST 2
Project Number: 6-13
Project Location: SPUR - EDDY CO NM

Sampling Date: 09/01/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: E - COMP (H212433-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.7	2.00	3.60	
Toluene*	<0.050	0.050	09/08/2021	ND	2.03	101	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	2.00	100	2.00	2.75	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.07	101	6.00	2.01	
Total BTX	<0.300	0.300	09/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	202	101	200	0.482	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 09/07/2021
Reported: 09/13/2021
Project Name: CHASER 8 ST 2
Project Number: 6-13
Project Location: SPUR - EDDY CO NM

Sampling Date: 09/01/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - COMP (H212433-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.7	2.00	3.60	
Toluene*	<0.050	0.050	09/08/2021	ND	2.03	101	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	2.00	100	2.00	2.75	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.07	101	6.00	2.01	
Total BTX	<0.300	0.300	09/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	202	101	200	0.482	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 09/07/2021
Reported: 09/13/2021
Project Name: CHASER 8 ST 2
Project Number: 6-13
Project Location: SPUR - EDDY CO NM

Sampling Date: 09/01/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W - COMP (H212433-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.7	2.00	3.60	
Toluene*	<0.050	0.050	09/08/2021	ND	2.03	101	2.00	3.02	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	2.00	100	2.00	2.75	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.07	101	6.00	2.01	
Total BTX	<0.300	0.300	09/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	203	102	200	1.49	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	191	95.3	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services						BILL TO							ANALYSIS REQUEST																
Project Manager: Chris Jones						P.O. #:																							
Address: 1601 N Turner St., Suite 500						Company: Spur Energy																							
City: Hobbs						Attn:																							
Phone #: 575-964-7740						Address:																							
Fax #: State: NM zip: 88240						City:																							
Project #: 6-13						State: Zip:																							
Project Location: Chaser & St 2 Eddy County, NM						Phone #:																							
Sampler Name: Trista Jones						Fax #:																							
FOR LAB USE ONLY																													
Lab I.D.						Sample I.D.						MATRIX		PRESERV		SAMPLING													
						(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chlorides								
H02B33	1	N - Comp	C	X												9/1/24	10:00	X	X	X									
	2	E - Comp														10/25													
	3	S - Comp														10/10													
	4	K - Comp														10:15													
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Relinquished By: [Signature]						Date: 9/17/24	Received By: [Signature]						Time: 1405		Date: 9/17/24		Time: 10:15												
Relinquished By: [Signature]						Date: [Blank]	Received By: [Signature]						Time: [Blank]		Date: [Blank]		Time: [Blank]												
Delivered By: (Circle One)						Sample Condition						CHECKED BY: (Initials)																	
Cool Intact Yes No						Yes No						T.O.																	
Sampler - UPS - Bus - Other: -3.3c #113																													

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 50177

CONDITIONS

Operator: Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240	OGRID: 329999
	Action Number: 50177
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2110650720 CHASER 8 STATE #002, thank you. This closure is approved.	2/11/2022