

**CLOSURE REPORT** 

Property:

South Carlsbad Condensate Release

Unit P, S12, T23S, R27E Facility ID: fJMW1320648561 32.313881° N, 104.136807° W Eddy County, New Mexico NMOCD Incident ID: nAPP2427863203

December 26, 2024

Ensolum Project No. 03B1226343

Prepared for:

Enterprise Field Services, LLC. PO Box 4324 Houston, Texas 77210

#### Attn: David Feather

Prepared by:

Kelly Lowery GIT

Project Geologist

Beaux Jennings Associate Principal

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#### **CLOSURE REPORT**

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#### Ensolum Project No. 03B1226343

#### **1.0 INTRODUCTION**

#### 1.1 Site Description and Background

Operator:	Enterprise Field Services, LLC (Enterprise)
Site Name:	South Carlsbad Condensate Release
Location:	Unit P, Section 12, Township 23 South, Range 27 East Facility ID: fJMW1320648561 32.313881° N, 104.136807° W Eddy County, New Mexico
Property:	Private Landowner (Enterprise)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On October 4, 2024, Enterprise had a release of condensate at the Site due to a packing failure on a condensate line valve. Approximately 10 barrels (bbls) of condensate were released onto the ground surface with 0 bbls of condensate recovered. The valve was subsequently repaired and placed back into service. Enterprise subsequently reported the release to the New Mexico EMNRD OCD via a report through the online notice of release (NOR) form on October 4, 2024. The release was assigned Incident Number nAPP2427863203.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

#### 1.2 **Project Objective**

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soil to be in compliance with the applicable New Mexico EMNRD OCD closure criteria concentrations.

#### 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Oxy, the general Site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**, and included as **Figure 4** in **Appendix A**.



- 35 water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database (C-00069, C-00461, C-02342, C-03053, C-03457, C-03713-POD1 through C-03713-POD5, C-03819-POD1 through C-03819-POD5, C-03888-POD1 through C-03888-POD8, C-03941-POD1, C-04187-POD1, C-04307-POD1, C-04313-POD1, C-04314-POD1, C-04315-POD1, C-04366-POD1, C-04538-POD1 through C-04538-POD4, and C-04721-POD1.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, there is one private, domestic freshwater well used by less than five households for domestic or stock water purposes identified within 500 feet of the Site. The well (C-03053) was installed in 2004 to a depth of 94 feet bgs with depth to groundwater at 14 feet bgs on 3/17/2004.
- According to the OSE WRSS database, there is one freshwater well identified within 1,000 feet of the Site (see previous bullet point).
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is located within an unstable area, also referred to as medium karst potential.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE (VEGETATIVE ZONE)								
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit					
	Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg					
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg					
≤50 feet	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg					
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg					

#### 3.0 SOIL REMEDIATION ACTIVITIES

On October 4, 2024, Enterprise had a release of condensate at the Site due to a packing failure on a condensate line valve. Approximately 10 bbls of condensate were released onto the ground surface with 0 bbls of condensate recovered. The valve was subsequently repaired and placed back into service. Once repairs were made, excavation by a third-party contractor was conducted with oversight by Enterprise.

On December 2, 2024, Ensolum arrived on-Site to collect two composite soil samples from the impact release extent (CS01 and CS02) at a depth of 0.25-feet bgs, and eight grab delineation step out soil samples from the impact release extent outer boundary (DS01 through DS08) at a depth of 0.25-feet bgs. Based on laboratory analytical data, no additional excavation and/or remediation was required.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chlorides in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final impact release extent measured approximately 42 feet long and 10 feet wide at the maximum extents, with a depth of approximately 0.25-feet bgs.

The excavation measured approximately 426 square feet in aerial extent. A total of approximately 4 cubic yards (cy) of soil were excavated from the Site and hauled off for proper disposal at the Lea Land Facility in Hobbs, New Mexico.

**Figure 3** is a Site Map that identifies approximate soil sample locations and depicts the approximate dimensions of the impacted soil and excavation extent with respect to the release (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

#### 4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program on December 2, 2024 included the collection of a total of two composite soil samples from the impact release extent (CS01 and CS02) and eight grab delineation step out soil samples from the impact release extent outer boundary (DS01 through DS08). The soil samples were collected at a depth of 0.25-feet bgs.

The composite soil samples were collected and placed in laboratory-prepared glassware, labeled/sealed using laboratory-supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures.

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX following the United States Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO following EPA SW-846 Method 8015M/D, and chloride using SM4500CI-B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

#### 6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations to laboratory sample detection limits (SDLs) associated with the soils remaining in place at the Site to the applicable NMOCD Closure Criteria. The final composite soil samples collected from the Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).



- Laboratory analytical results indicated benzene concentrations for the soils remaining in place at the Site did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the soils remaining in place at the Site did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated that combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg.
- Laboratory analytical results indicated that chloride concentrations for the soils remaining in place at the Site did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg.

Laboratory analytical results are summarized in Table 1, Table 2, and Table 3 in Appendix D.

#### 7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. Since the release area was on an active well pad in an area reasonably needed for production operations or for subsequent drilling operations, no reclamation or revegetation was required at this time per 19.15.29.13 NMAC.

#### 8.0 FINDINGS AND RECOMMENDATION

- On October 4, 2024, Enterprise had a release of condensate at the Site due to a packing failure on a condensate line valve. Approximately 10 bbls of condensate were released onto the ground surface with 0 bbls of condensate recovered. The valve was subsequently repaired and placed back into service.
- Ensolum's soil sampling program on December 2, 2024 included the collection of a total of two composite soil samples from the impact release extent (CS01 and CS02) and eight grab delineation step out soil samples from the impact release extent outer boundary (DS01 through DS08). The soil samples were collected at a depth of 0.25-feet bgs.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final impact release extent measured approximately 42 feet long and 10 feet wide at the maximum extents, with a depth of approximately 0.25-feet bgs.
- Based on laboratory analytical results, the composite soil samples within the impacted area did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

#### 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

#### 9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the



work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

#### 9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

#### 9.3 Reliance

This report has been prepared for the exclusive use of Enterprise Field Services, LLC and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise Field Services, LLC and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.





APPENDIX A

Figures

Received by OCD: 1/15/2025 8:14:20 AM



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## Site Vicinity Map South Carlsbad Condensate Release

Enterprise Field Services, LLC 32.313881, -104.136807 Eddy County, New Mexico Project Number: 03B1226343 FIGURE

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ENSOLUM

Environmental, Engineering and Hydrogeologic Consultants

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# APPENDIX B

**Supporting Documentation** 

# STATE ENGINEER OFFICE

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Section 1. GENERAL INFORMATION

(A) Owner of well Robert C. Jones+Kathy Greenwood Owner's Well No.	
Street or Post Office Address 430 Brantley Rd.	
City and State Carlsbad, NM 88220	
Well was drilled under Permit No. $C-3053$ and is located in the:	
a. SW 14 SE 14 SE 14 4 of Section 12 Township 23S Range 27E	N.M.P.M.
b. Tract No of Map No of the	·
c. Lot No of Block No of the Subdivision, recorded in County.	· · ·
d. X= feet, Y= feet, N.M. Coordinate System the	
(B) Drilling Contractor Taylor Water Well Service License No. WD-1348	
Address 7317 Etcheverry Rd., Carlsbad, NM 88220	
Drilling Began <u>3/16/04</u> Completed <u>3/17/04</u> Type tools <u>Rotary</u> Size of hole_	
Elevation of land surface or at well is <u>3017</u> ft. Total depth of well <u>94</u>	ft.

Completed well is Ashallow artesian. Depth to water upon completion of well\_\_\_\_\_ft.

#### Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness	Description of Water-Bearing Formation			Estimated Yield			
From	То	in Feet		2 comption of water-pointing to ination			(gallons per minute)		
56	94	38	Sand+Grave1	er Nove		3-5			
	<b></b>								
	·			<u> </u>					
				<del></del>	a contrasti se la				
			1.	2.00					

#### Section 3. RECORD OF CASING

Diameter	Pounds	Threads	Depth in Feet		Length	Type of Shoe	Perfor	ations
(inches)	per foot	per in.	Top	Bottom	(feet)	Type of Shoe	From	To
5	Sch 40	Pvc	+1	94	95	Cap	54	94
		1				· · · · · · · · · · · · · · · · · · ·	1	
	<u> </u>	++					+	
]	}							

### Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole	Sacks	Cubic Feet	Method	of Placement
From	Ţο	Diameter	of Mud	of Cement	Method	
						<b>N</b> 74
				1. 1. j.	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	

#### Section 5. PLUGGING RECORD

Plugging Contractor				
Address	N	Depth	in Feet	Cubic Feet
Plugging Method	No.	Тор	Bottom	of Cement
Date Well Plugged	1			
Plugging approved by:	2			
	3			
State Engineer Representative	- 4			

Quad \_\_\_\_\_

Date Received 4-12-04

FOR USE OF STATE ENGINEER ONLY

FWL

Location No.

or ad d

\_\_\_\_ FSL\_

23.27.12.443

6-3053 File No.\_\_\_\_ Released to Imaging: 4/11/2025 2:13:50 PM

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Section 6. LOG OF HOLE	
Color and Type of Material Encountered	
Goil+Caliche	·····
ine Gravel+Caliche	
lay:off wht, sndy	
Clay:dull rd,sndy	
Clay:off wht-lt gry,slty	
Clay:rd,stky,sme_sndy	· · · ·
fixture of fdlclay, brn sand+fn crm-yel	brn grave
Clay:off wht, lt gry, smth	
fixture of rd clay,brn sand+fn crm-yel	brn grave
t dim.	
	w.
···	
2.99 	
· · · · · · · · · · · · · · · · · · ·	

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Øriller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office v and accurately as possible when any well is xcept Section 5, shall be answered as comple form is used as a plugging record, only Section of the State Engineer. All section drilled, repaired or deepened. When and Section 5 need be completed.

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# PLUGGING RECORD



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### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GEN	ERAL / WELL OWNERSHIP:	USE DII DEC 21 2022 PM3:15
State Er	gineer Well Number: POD1 (SB-1)	
Well ov	mer: ENTERPRISE FIELD SERVICES , LLC Phone No	D.: 713-381-8730
Mailing	address: PO BOX 4234	
		Zip code: 77210
<u>II. WE</u>	LL PLUGGING INFORMATION:	3
1)	Name of well drilling company that plugged well: WEST TEXAS WATER WELL	SERVICE
2)	New Mexico Well Driller License No.: WD-1184	Expiration Date: 10/31/2023
3)	Well plugging activities were supervised by the following well driller(s)/rig super RUSSELL SOUTHERLAND	rvisor(s):
4)	Date well plugging began: <u>12/15/2022</u> Date well plugging cond	sluded: 12/15/2022
5)		47.23 sec 11.69 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: <u>36</u> ft below ground by the following manner:	level (bgl),
7)	Static water level measured at initiation of plugging: <u>32</u> ft bgl	
8)	Date well plugging plan of operations was approved by the State Engineer:	19/2022
9)	Were all plugging activities consistent with an approved plugging plan? <u>Y</u> differences between the approved plugging plan and the well as it was plugged (a	ES If not, please describe ttach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
-					THE MONITOR WELL WILL BE PLUGGED TREMIE FROM BOTTOM TO SLURRY OF PORTALND I/II NEAT CEMENT IN LIFTS
			•		
-					
	e - 1				
-				OSE OII	DEC 21 2022 PM3:15
-					
-					
 II. SIGN/	ATURE:		3Y AND OBTAIN 805 = gallons 17 = gallons		I

#### For each interval plugged, describe within the following columns:

#### Ш

I, RUSSELL SOUTHERLAND

I, RUSSELL SOUTHERLAND, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief,

usself 12/15/2022

Signature of Well Driller

Date

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# PLUGGING RECORD



### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP:

I. OEMERALI / WELL OWMERSHIII.							
State Engineer Well Number: C-03888 POD 2							
Well owner: ENTERPRISE FIELD SERVICES , I	LLC	Phone No.: 713-381-8730					
Mailing address: PO BOX 4234							
te Engineer Well Number: C-03888 POD 2 Il owner: ENTERPRISE FIELD SERVICES , LLC Phone No.: 713-381-8730 iling address: PO BOX 4234 y: HOUSTON State: TEXAS Zip code: 77210							
II. WELL PLUGGING INFORMATION:							
1) Name of well drilling company that plug	ged well: WEST	TEXAS WATER WELL S	ERVICE				
	by the following	well driller(s)/rig supervi	sor(s):				
4) Date well plugging began: <u>12/15/202</u>	2 <b>2</b> D	ate well plugging conclu-	ded: 12/15/2022				
5) GPS Well Location: Latitude: Longitude:	<u>32</u> deg, -104 deg,	<u>18</u> min, <u>49</u> <u>8</u> min, <u>6</u> .	.50sec 99sec, WGS 84				
			vel (bgl),				
7) Static water level measured at initiation of	of plugging:2	1 ft bgl					
8) Date well plugging plan of operations wa	as approved by the	State Engineer:05/19/	2022				
Well owner:       ENTERPRISE FIELD SERVICES, LLC       Phone No.:       713-381-8730         Mailing address:       PO BOX 4234       TEXAS       Zip code:       77210         Additing address:       PO BOX 4234       TEXAS       Zip code:       77210         I. WELL PLUGGING INFORMATION:       Name of well drilling company that plugged well:       WEST TEXAS WATER WELL SERVICE       10/31/2023         (i)       Name of well Driller License No.:       WD-1184       Expiration Date:       10/31/2023         (ii)       Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):							

DSE DIT DEC 21 2022 PM3:15

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Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
					THE MONITOR WELL WILL BE PLUGGED TREMIE FROM BOTTOM TO SLURRY OF PORTALND I/II NEAT CEMENT IN LIFTS
-					
-					
-					
-					
-				OSE OIT	OEC 21 2022 PM3:16
-					
III. SIGNA	ATURE: L SOUTHERLAND	cubic feet x 7.4 cubic yards x 201.9			
Engineer pe	ertaining to the plugging of he best of my knowledge a	f wells and that each and	all of the statements in	the pares of t	the Office of the State Record and attachments 12/15/2022
			Signature of Well Drille	er	Date

#### For each interval plugged, describe within the following columns:

12/15/2022 Date

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# PLUGGING RECORD



### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	CNERAL / WELL OWNERSHIP:
State I	Engineer Well Number: C-03888 POD 5
	ENTERPRISE FIELD SERVICES , LLC     Phone No.:     713-381-8730
	ng address: PO BOX 4234
City:	HOUSTON State:TEXAS Zip code: 77210
<u>II. W</u>	ELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well: WEST TEXAS WATER WELL SERVICE
2)	New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/31/2023
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
4)	Date well plugging began: <u>12/15/2022</u> Date well plugging concluded: <u>12/15/2022</u>
5)	GPS Well Location:Latitude:32deg,18min,47.72secLongitude:-104deg,8min,1.46sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as:35ft below ground level (bgl), by the following manner:
7)	Static water level measured at initiation of plugging:28 ft bgl
8)	Date well plugging plan of operations was approved by the State Engineer:05/19/2022
9)	Were all plugging activities consistent with an approved plugging plan? <u>YES</u> If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):
	OSE DII DEC 21 2022 PM3:15

Version: September 8, 2009 Page 1 of 2 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

#### For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
-					THE MONITOR WELL WILL BE PLUGGED TREMIE FROM BOTTOM TO SLURRY OF PORTALND I/II NEAT CEMENT IN LIFTS
-					
-					
-					
-					
-				OSE OT	DEC 21 2022 PM3:15
-					
-					
			3Y AND OBTAIN 1805 = gallons		
		cubic feet x 7.4 cubic yards x 201.9	3		
III. SIGNA	ATURE:				
I, RUSSEL	LSOUTHERLAND	say the	nat I am familiar with	the rules of t	he Office of the State

I, RUSSELL SOUTHERLAND, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

ussel 12/15/2022

Signature of Well Driller

Date

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# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD N	UMBER (WEL	L NUMBER)				OSE FILE NUMBER(S)				
No	(POD1) E	ENTERPRIS	E SOUTH CARLS	BAD COMPRES	SOR MW #6		C-3888				
IIV	WELL OWN	VER NAME(S)				<u> </u>	PHONE (OPT	IONAL)			
00	ENTERPE	RISE PROD	UCTS OPERATIN	GLLC							
GENERAL AND WELL LOCATION	P.O. BOX	ver mailing (2521	ADDRESS			<u> </u>		4	STATE TEXAS 77	ZIP 252-2521	
â	WELL		DEGREE	\$ MINUTE	SECON	>s					
ALA	LOCATIO (FROM G	(PS)	ITUDE 32	18	49	<u>N</u>		Y REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A SECOND		
NER		LON	GITUDE 104	08	11	W		-	· · · · · · · · · · · · · · · · · · ·		
GE	DESCRIPTIC	N RELATING W	ELL LOCATION TO STREE	T ADDRESS AND COM	MON LANDMARKS - PLS	SS (SECTION, T	OWNSHJIP, RANG	SE) WHERE AVAILABLE			
	1 MILE W	VEST 385 C	ON CARRASCO R		/4 S12, T23S, R	27E			- <u>-</u>		
	LICENSE N WD-1710		NAME OF LICENSED					NAME OF WELL DR			
	DRILLING S 9-15-15		DRILLING ENDED -15-15	DEPTH OF COMPLE	TED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (	FT)	
COMPLETED WELL IS: C ARTESIAN C DRY HOLE ( SHALLOW (UNCONFINED) N/A										WELL (FT)	
ATI(	DRILLING F	FLUID:	• AIR	С MUD	ADDITIVES - SPI	ECIFY:		_			
RM	DRILLING N	METHOD:	ROTARY	C HAMMER (	CABLE TOOL	С отне	R - SPECIFY:	~ <u></u>			
NFO	DEPTH	(feet bgl)	BORE HOLE	CASING MAT	ERIAL AND/OR			CASING	CASING WAL		
2. DRILLING & CASING INFORMATION	GRADE						ASING VECTION YPE	INSIDE DIAM. (inches)	THICKNESS (inches)	L SLOT SIZE (inches)	
& C	35'	5'	6"	SCH 40.010 (	SREEN	FJ		2"	0.154	.010	
NG	5'	0	б"	SCH 40 2" RIS	ER	FJ		2"	0.154	RISER	
ILLI		<u> </u>									
DR		<u> </u>					·		<u> </u>	_	
4											
ļ		- <u></u> -		ļ		<u> </u>		 	<u> </u>		
ł						<u> </u>				-	
ł			- <b> </b>								
					······					_	
	DEPTH	(feet bgl)	BORE HOLE	LIST A	NULAR SEAL M	ATERIAL A	ND	AMOUNT	METH	IOD OF	
M	FROM	TO	DIAM. (inches)	GRAVEL	PACK SIZE-RANG	E BY INTE	RVAL	(cubic feet)	PLAC	EMENT	
IER	35'	4'	6"	14 BAGS OF 2	0/40 SAND	<u>_</u>			TOPLOA	D	
LAN	4'	1'	6"	7 BAGS OF 3/	8 HOLEPLUG		·		TOPLOA	D	
ANNULAR MATERIAL	1'	0'	б"	3 BAGS OF CO	DNCRETE				TOPLOA	D	
<b>1</b>											
ANA		···									
3.		€ 9. 		2000 - 20							
				<u> </u>						_	
	OSE INTER	NAL USE		· · · · · · · · · · · · · · · · · · ·			WR-2	0 WELL RECORD	& LOG (Version 06	5/08/2012)	
	NUMBER	<u>(</u> - :	3888		POD NUMBER		TRN N	NUMBER 57	1013		
LOCA	ATION	235	JTE.1	2.4.4	.4		N	Donitor	PAC	E 1 OF 2	

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	r · · · ·		1	·····				
	DEPTH (	feet bgl)		COLOR AN	JD TYPE OF MATERIAL ENCOU	INTERED -	WATER	ESTIMATED
			THICKNESS		ER-BEARING CAVITIES OR FRA		BEARING?	YIELD FOR WATER-
	FROM	то	(feet)		pplemental sheets to fully describe		(YES/NO)	BEARING
				(attach su	ppremental sheets to fully describe	c an units)	(1007110)	ZONES (gpm)
	0	8	8'	TAN SILTY CLAY	& SAND		CYGN	N/A
	8'	19'	11'	TAN SILTY CLAY			CYEN	N/A
	19'	35'	16'	TAN SILTY CLAY	& SAND		CY (N	N/A
	TD	35'	·····	<b>.</b>			CYON	N/A
						· · · · · · · · · · · · · · · · · · ·	CYCN	
<b>_</b>			••••••••••••••••••••••••••••••••••••••		··· ··································	<u>,</u>	CYCN	
4. HYDROGEOLOGIC LOG OF WELL							CYCN	
OFV							CYCN	
50				······································			CYCN	
ICL				······································	<u></u>		C Y C N	
.06				· .	· · · · · · · · · · · · · · · · · · ·		CYCN	
EOI								
SOG					, <u></u>		CYCN	
IQX							CYCN	
4. H							CYCN	
	· · · · · ·						CYCN	
	·····					·		
	METHODI		TIMATE VIELD	OF WATER-BEARIN	G STRATA: C PUMP		TAL ESTIMATED	
					G SIRATA. ( FOMF	ľ	ELL YIELD (gpm):	
	C AIR LIFT	E CI	BAILER C	OTHER - SPECIFY:				
	WELL TES				TA COLLECTED DURING WELL			
ION		STAR	I TIME, END TH	ME, AND A TABLE SH	HOWING DISCHARGE AND DRA	AWDOWN OVER TI	HE TESTING PERIC	DD.
TEST; RIG SUPERVISIO			ORMATION:					
PER	8"X12" FL 2X2 PAD		JIN I					
SUI	EDDY CO							
RIG								-
5 <b>T;</b> ]								8
TE	PRINT NAM	Æ(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVISION (	OF WELL CONSTRU	UCTION OTHER TH	IAN LICENSEE:
Ś								
	THE UNDER	OSICNED L		IES THAT TO THE D	EST OF HIS OR HER KNOWLED	GE AND BELIEF. T	HE FOREGOING IS	A TRUE AND
E	CORRECT I	RECORD OI	F THE ABOVE D	ESCRIBED HOLE AN	ID THAT HE OR SHE WILL FILE	THIS WELL RECO	RD WITH THE STA	TE ENGINEER
IUT	AND THE P	ERMIT HO	LDER WITHIN 2	0 DAYS AFTER COM	PLETION OF WELL DRILLING:			
6. SIGNATURE	m	+. 0.	+1	MARTIN	Ch. I	CI	2010	- 1
6. SI	110	MD	Mal			<u> </u>	-28-15	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME	<u></u>	DATE	
FO	R OSE INTER	NAL USE	. <u>,</u>			WR-20 WELL R	ECORD & LOG (Ve	rsion 06/08/2012)
	E NUMBER	C=	2888	<u></u>	POD NUMBER	TRN NUMBER		3
LO	CATION	225.	27E 12	2.4.4.4	· · · · · · · · · · · · · · · · · · ·	moni	tor	PAGE 2 OF 2

# WELL RECORD & LOG

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	OSE POD N	UMBER (	WELL N	JMBER)				OSE FILE NU	MBER(S)				
Z	(POD2) E	NTERP	RISE S	OUTH CARLS	BAD COMPRESS	OR MW #7		C-3888					
I II	WELL OWN							PHONE (OPT	IONAL)	· ····· · · ·			
Sc	ENTERP	RISE PR	ODUC	TS OPERATIN	GLLC								
VELL L	WELL OWN P.O. BOX		ING ADI	DRESS	,				······	STATE TEXAS 772	ZIP 52-2521		
ļ ģ	WELL	$=$ $\top$	<u></u>	DEGREES	6 MINUTES	SECONE	os	 					
LAI			LATITUI	<sub>DE</sub> 32	18	50	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND					
IERA	(FROM G				08	07	w	* DATUM RE	QUIRED: WGS 84				
GEL	DESCRIPTIC	N RELATIN	G WELL I	OCATION TO STREE	T ADDRESS AND COMMO	DN LANDMARKS - PLS	S (SECTION, TO	OWNSHJIP, RANG	SE) WHERE AVAILABLE				
1.	1 MILE W	/EST 38	35 ON	CARRASCO R	DAD. SE1/4 SE1/4	4 S12, T235, R	27E			· · · · · · · · · · · · · · · · · · ·			
	1												
	DRILLING 8 9-16-15	TARTED	1			D WELL (FT)	BORE HOL 30'	LE DEPTH (FT)	DEPTH WATER FIR: NA	ST ENCOUNTERED (FT	)		
Z	COMPLETE	D WELL I	s: C	ARTESIAN	C DRY HOLE (	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	YEL IN COMPLETED W	ELL (FT)		
DIT	DRILLING F	LUID:		AIR	C MUD	ADDITIVES – SPI	CIFY:		I				
DRMA	DRILLING	VETHOD:	ø	ROTARY	C HAMMER C	CABLE TOOL	C OTHE	R - SPECIFY:					
NFC	DEPTH	(feet bg	)	BORE HOLE			CA	SING	CASING	CASING WALL	SLOT		
ASING 1	FROM	TO	>	DIAM (inches)	(include each cas	sing string, and	CONN	JECTION	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)		
Se C	30'	5'	6	;" ;	SCH 40.010 CS	REEN	FJ		2"	0.154	.010		
NG	5'	0	6	<b>)</b> "	SCH 40 2" RISE	R	FJ .	·	2"	0.154	RISER		
IIII													
DRI													
ŗ.	····												
				=									
							<u> </u>						
								<del></del>					
	DEPTH	(feet bgl			LIST ANN	JULAR SEAL MA	TERIAL A	ND	AMOUNT	METHO	D OF		
IAL	FROM	TO	r	DIAM. (inches)	GRAVEL PA	CK SIZE-RANG	E BY INTER	RVAL	(cubic feet)				
ER	30'	5	6	n	11 BAGS OF 20/	40 SAND			·	TOPLOAD			
LVI	5	1'	6	5"	5 BAGS OF 3/8	HOLEPLUG				TOPLOAD			
ARN	1'	0'	б	n	3 BAGS OF CON	ICRETE	<b></b>			TOPLOAD			
nr									·				
NA											····		
				and the first state									
FOR	OSE INTER	NAL US	E					WR-20	) WELL RECORD &	LOG (Version 06/0	8/2012)		
FILE	NUMBER	C	- റ്	882		POD NUMBER	2			1013	,		
NEEL         DROREES         MINUTES         SECONDS           10CATION         LATTUDE         32         18         50         N         *ACCURACY REQUIRED ONE TENTH OF A SECOND           10CATION         LATTUDE         14         08         07         W         *ACCURACY REQUIRED ONE TENTH OF A SECOND           10SCAPTION RELATION         LATTUDE         14         08         07         W         *ACCURACY REQUIRED ONE TENTH OF A SECOND           10SCAPTION RELATIONS         DESCAPTION RELATIONS MELLICATION TO STREET ACRESS AND COMMONLANDARS FIRST SECTION, TOWNELP, FANCE WHERE AVAILABLE         NAME OF VIELT SECONTERLAND         TATUE AVAILABLE           10MLE WEST 385 ON CARRASCO ROAD. SET /4 SET /4 SET /2 T235, 827E         NAME OF VIELT SECONTERLAND         TATUE AVAILED TO COMPLETED WELL (PT)           916115         9-16-15         30         BORE HOLE DEPTH OFT         TATUE AVAILED TO COMPLETED WELL (PT)           00LLING STARTED         DEPTH OF COMPLETED WELL (PT)         BORE HOLE DEPTH OFT         N/A           00LLING FLUID.         ANTO AND ADDITIVES SPECIFY:         DEPTH (PT) MATTER ARRASCO ROAD. SET /4 STRANDOR         CASING MALL SEC           00LLING FLUID.         DAM         CASING MATERIAL AND/OR         CASING MALL SEC         CASING WALL SEC           00LLING FLUID.         DAM         CASING MATTERIAL AND/OR         CASING MAL		1 OF 2											

•

	DEPTH ( FROM	(feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	6'	6'	TAN & BROWN SILTY CLAY & SAND	CYEN	N/A
	6'	10'	4'	TAN SILTY CLAY	CY (N)	N/A
	10'	24'	14'	TAN YELLOW SILTY CLAY & SAND	CYON	N/A
	24'	28'	4'	TAN SILTY CLAY & SAND	CYCN	N/A
	28'	30'	2'	TAN SANDSTONE	CYCN	
L .	TD	30'			С Ү ~ М	
VEL						
OF					CYCN	
00		1			CYGN	
IC F					CYCN	
00			-		GYCN	
EOI		<u>+</u>				
L DO			<u> </u>			
			<u></u>		CYCN	
<b>4.</b> H		<u> </u>		· · · · · · · · · · · · · · · · · · ·		
·		-	· · ·	······································		
		<u> </u>	+			
				· · · · · · · · · · · · · · · · · · ·		· · · ·
· · ·						
	METHOD I	JSED TO E	STIMATE YIELD	OF WATER-BEARING STRATA: C PUMP TO	· · ·	I
	C AIR LIF	т С	BAILER C	OTHER – SPECIFY:	ELL YIELD (gpm):	· · · · · · · · · · · · · · · · · · ·
NO	WELL TES					
VISI						
PER			JNI			
DS 5					1	
RIC					·	Đ
EST	PRINT NA	ME(S) OF D	RILL RIG SUPE	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRU	UCTION OTHER TH	IAN LICENSEE:
5. T						
	THE UNDE	RSIGNED	HEREBY CERTI	TES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, T	THE FOREGOING IS	S A TRUE AND
URE	AND THE	PERMIT HO	LDER WITHIN	20 DAYS AFTER COMPLETION OF WELL DRILLING:		
(TAT		,	01 .			
SIG	m	nt.	At a	MARTIN STRAUL	7-28-15	~
<u>ف</u>		SIGNAT	TURE OF DRILLI		DATE	
	<u> </u>					
		NAL USE			ECORD & LOG (Ve	rsion 06/08/2012)
		C-	3888	POD NUMBER 2 TRN NUMBER	JIDI	5
LC	10°         24°         14°         TAN YELLOW SILTY CLAY & SAND         C         Y         N         N/A           24'         28'         30'         2'         TAN SALTY CLAY & SAND         C         Y         N         N/A           28'         30'         2'         TAN SANDSTONE         C         Y         N         N/A           28'         30'         2'         TAN SANDSTONE         C         Y         N         N/A           28'         30'         2'         TAN SANDSTONE         C         Y         N         N/A           10'         30'         C         Y         N         C         Y         N         N           10'         30'         C         Y         N         C         Y         N         N           10'         0'         C         Y         N         C         Y         N         N           10'         0'         C         Y         N         C         Y         N         N         N           10'         0'         C         Y         N         C         Y         N         N         N         N         N         N <td>PAGE 2 OF 2</td>		PAGE 2 OF 2			
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PAGE 1 OF 2

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# WELL RECORD & LOG

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NO	(POD3) E	ENTER	PRISE	•	BAD COMPRI	ESSOR MW #8		C-3888					
CATI			• • •	CTS OPFRATIN	GILC			PHONE (OPTI	IONAL)				
VELL LO	WELLOWN	VER MAI	LING A							STATE TEXAS 772	ZIP 52-2521		
QN	WELL	, 1					DS						
NL A	}	··· }	LATIT	TUDE 32	18	48	N	-					
<b>NER</b>	(FROM G	PS)	LONG	ITUDE 104	08	09	W	* DATUM RE	QUIRED: WGS 84				
WELL OWNER NAME(S)       PHONE (OPTIONAL)         ENTERPRISE PRODUCTS OPERATING LLC       PHONE (OPTIONAL)         WELL OWNER MAILING ADDRESS       CITY       STATE       ZIP         P.O. BOX 2521       DEGREES       MINUTES       SECONDS       - ACCURACY REQUIRED: ONE TENTH OF A SECOND         WELL       LATITUDE       32       18       48       - ACCURACY REQUIRED: ONE TENTH OF A SECOND         I.CONDITUDE       104       08       09       - ACCURACY REQUIRED: WGS 84         OESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS -PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE       - ACCURACY REQUIRED: WORSHIP, RANGE) WHERE AVAILABLE         1       MILE WEST 385 ON CARRASCO ROAD. SE1/4 SE1/4 S12, T23S, R27E       NAME OF WELL DRILLING COMPANY         VD-1710       MARTIN STRAUB       STRAUB CORPORATION         DRILLING STARTED       DEPTH OF COMPLETED WELL (PT)       BORE HOLE DEPTH (FT)         9-16-15       9-16-15       35'       STATIC WATER FIRST ENCOUNTERED (PT)         OMPLETED WELL IS:       ARTESIAN       DRY HOLE       SHALLOW (UNCONFINED)       N/A         DRILLING FLUID:       ART MUD       ADDITIVES - SPECIFY:       DEPTH WATER FIRST ENCOUNTERED (PT)         DRILLING FLUID:       AIR       MUD       ADDITIVES - SPECIFY:       DEPTH (feet bgl)       BORE HOLE <td></td>													
	LICENSE N	UMBER		NAME OF LICENSED	DRILLER				NAME OF WELL DR	ILLING COMPANY			
	WD-171	0	1	MARTIN STRAU	В				STRAUB CORPO	ORATION			
	J	STARTE	1	j j		J	LE DEPTH (FT)	J	ST ENCOUNTERED (FT)	)			
Z	COMPLETE	D WELL	. 1S: (	ARTESIAN	C DRY HOLE	CONFINED)		1	EL IN COMPLETED WE	ELL (FT)			
VTIO	DRILLING	FLUID:	(	AIR	C MUD	ADDITIVES - SI	ECIFY:	····	L. 119 <sub>101</sub> 111999 11				
RM/	DRILLING	RILLING METHOD: FOTARY C HAMMER C CABLE TOOL C OTHER - SPECIFY:											
ING INFO				DIAM	(include eac	GRADE th casing string, and	CON	VECTION	INSIDE DIAM.	THICKNESS	SLOT SIZE (inches)		
CAS				· · · · · · · · · · · · · · · · · · ·	<u> </u>		ļ						
a Se				····-		·····				······································	·		
ILLIN				0	JC11402 P				2	0.154	NISEN		
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		<u> </u>											
	<b>.</b>	 											
<u> </u>	DEPTH	(feet bg	gl)	BORE HOLE	LIST	ANNULAR SEAL M	ATERIAL A	ND	AMOUNT	METHO	D OF		
[AL	FROM	T	0		GRAVE	EL PACK SIZE-RANG	BE BY INTE	RVAL					
I'ER	35'	5'								TOPLOAD			
WW.		└───											
ILAR	]'	0'		6"	3 BAGS OF	CONCRETE				TOPLOAD			
NNN	••••••												
				······				·····.					
		L											
	OSE INTER			2000		POD NUMBER	-7			& LOG (Version 06/0)	8/2012)		

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LOCATION

	DEDTU					· · · _
	DEPTH (	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING
	0	6'	6'	BROWN & TAN SILTY CLAY	C Y O N	ZONES (gpm)
	6'	12'	6'	TAN SILTY CLAY		N/A N/A
	12'	26'	14'	TAN SILTY CLAY & SAND	CYEN	N/A
	26'	30'	4'	TAN & RED SILTY CLAY & SAND	CY ON	N/A
:	30'	35'	5'	TAN SILTY CLAY & SAND	CYCN	
<u>ت</u> ـ	TD	35'				
4. HYDROGEOLOGIC LOG OF WELL					CYCN	
OFV					CYN	
00						<u>_</u> _
ICL					(YCN	
E0G						
EOI	· · · · · ·					
ROG					CYCN	
4.1						
				· · · · · · · · · · · · · · · · · · ·		
					CYCN	
					CYCN	
	METHOD U	SED TO ES	TIMATE YIELD		TAL ESTIMATED	
	C AIR LIF	г Св	BAILER C	OTHER – SPECIFY: W	ELL YIELD (gpm):	
NO	WELL TES	T TEST I START	RESULTS - ATT. I TIME, END TIM	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUI ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER T	DING DISCHARGE N HE TESTING PERIO	/ETHOD, D.
TEST; RIG SUPERVISIO			ORMATION:			
PER	8"X12" FL 2X2 PAD					
GSI	EDDY CO	UNTY				
ſ; RI						<b>H</b>
LESI	PRINT NAM	E(S) OF DF	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTR	UCTION OTHER TH	AN LICENSEE:
ŝ						· · · · ·
E	CORRECT F	RECORD OF	THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECO		
TUR	AND THE P	ERMIT HOI	LDER WITHIN 2	0 DAYS AFTER COMPLETION OF WELL DRILLING:		
SIGNATURE	m.	+. (	$d \neq 0$	month CI I		
6. SI	112	m d	gnal		-28-15	
-		SIGNAT	JRE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
FOI	R OSE INTERI	NAL USE		WR-20 WELL R	ECORD & LOG (Ver	sion ()6/()8/2012)
	E NUMBER		8822	POD NUMBER <b>3</b> TRN NUMBER	57101	3
LO	CATION	235	JIE I	2.4.4.4 mo	nitor	PAGE 2 OF 2

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# WELL RECORD & LOG

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N		-	ELL NUMBER)	BAD COMPRESSOF	R MW #9		OSE FILE NUI	ADEN(J)			
CATIC	WELL OWN			GUC			PHONE (OPTI	ONAL)			
GENERAL AND WELL LOCATION		ER MAILIN	G ADDRESS						STATE TEXAS		zii 52-2
WE										_	
T ANI	WELL LOCATIO		DEGREES 32	s MINUTES 18	SECONI 47	<u>N</u>	1	REQUIRED: ONE TER	NTH OF A	SECOND	
ERA	(FROM G	PS) LO	DNGITUDE 104	08	17	W	* DATUM RE	QUIRED: WGS 84			
1. GEN	}	N RELATING	WELL LOCATION TO STREE	T ADDRESS AND COMMON			OWNSHJIP, RANG	E) WHERE AVAILABLE			
	LICENSE NI WD-171		NAME OF LICENSED		<u>.</u>			NAME OF WELL D			
	DRILLING S 9-17-15		DRILLING ENDED 9-17-15	DEPTH OF COMPLETED 35'	WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FI	RST ENCO	UNTERED (FT)	)
N	COMPLETE	D WELL IS:	C ARTESIAN	C DRY HOLE	SHALLOW (UNC	ONFINED)		STATIC WATER LE N/A	VEL IN CO	OMPLETED WE	ELL (I
TIO	DRILLING H	LUID:	AIR	C MUD	ADDITIVES - SP	ECIFY:					
RMA	DRILLING METHOD: 🗭 ROTARY			C HAMMER C	C HAMMER C CABLE TOOL C OTHER - SPECIFY:			FY:			
2. DRILLING & CASING INFORMATION	DEPTH (feet bgl) BORE HOLE FROM TO DIAM (inches)		CASING MATERI GRAD	E	CON	ASING NECTION TYPE	CASING INSIDE DIAM.	DIAM. THICKNESS		(i	
CASI				note sections o				(inches)			<u> </u>
3&(	35'	5'	6"	SCH 40.010 CSR	EEN	FJ		2"	0.15		0.
CINC	5'	0	6"	SCH 40 2" RISER		FJ		2"	0.15		R
RIL		<u> </u>			·····				-		
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,		(feet bgl)	BORE HOLE DIAM. (inches)		JLAR SEAL M			AMOUNT		METHO	
IAI	FROM	TO		GRAVEL PAC		E BY INTE	KVAL	(cubic feet)		PLACEN	
TE	35'	5'	6"	14 BAGS OF 20/4							
MA	5	1'	6"	4 BAGS OF 3/8 H				· ·		TOPLOAD	
ANNULAR MATERIAL	1'	0'	6"	3 BAGS OF CONC						TOPLOAD	
3. ANN											
FOR	OSE INTER	NAL USE	······································	· · · · · ·			WR-2	0 WELL RECORD	& LOG	(Version 06/0	8/20
	NUMBER		3888	Dony					101	-	

			1	· ···	······································						
	DEPTH ( FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL E R-BEARING CAVITIES O pplemental sheets to fully de	R FRACTURE ZONES	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)			
	0	6'	6'	BROWN SILTY CL	AY & SAND	CYGN	N/A				
	6'	9'	3'	TAN SILTY CLAY				N/A			
	9'	24'	15'	TAN SILTY CLAY				N/A			
	24'	35'	11'	TAN SILTY CLAY		···········		N/A			
	TD	35'						N/A			
		35									
IL											
WE											
010			L								
Γŏ											
SIC							C <sup>Y</sup> C <sup>N</sup>				
ΓŎ							C <sup>Y</sup> C <sup>N</sup>				
)EO	· · · · · · · · · · · · · · · · · · ·				· · · · ·						
4. HYDROGEOLOGIC LOG OF WELL						· · · ·	CYCN				
QXI							CYCN				
4. I								· · ·			
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							$C^{Y} C^{N}$				
	METHODI			OF WATER-BEARING	G STRATA: C PUM	<b>n</b>	TOTAL ESTIMATED	<u> </u>			
			WELL YIELD (gpm):								
	CAIRLIFT C BAILER C OTHER-SPECIFY:										
Z	WELL TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.										
5. TEST; RIG SUPERVISION	MISCELLANEOUS INFORMATION:										
ERV	8"X12" FL										
SUP	2X2 PAD										
nG	EDDY COUNTY										
T; F											
TES	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:										
ŝ											
SIGNATURE	CORRECT	RECORD O	F THE ABOVE D	ESCRIBED HOLE AN	EST OF HIS OR HER KNO' D THAT HE OR SHE WILL PLETION OF WELL DRILL	. FILE THIS WELL RE	F, THE FOREGOING IS CORD WITH THE STA	S A TRUE AND TE ENGINEER			
IAT	h.	, 0	1								
SIG.	Mr	<u>t</u> - 1	Tran 1	martin	-Straub		9-28-15				
6.5	110-		URE OF DRILLE				DATE				
						Mra-					
FOI	R OSE INTER	NAL USE				WR-20 WEL	L RECORD & LOG (Ve	rsion 06/08/2012)			
FIL	E NUMBER	C- 3	3838		POD NUMBER	TRN NUMBI	<u>sidi</u>	)			
LO	LOCATION 235. 27E. 12. 4.4.3 MONITOR PAGE 2 OF 2										

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# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

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	OSE POD N	UMBER (WEL	L NUMBER)			OSE FILE NUI	MBER(S)				
Z	(POD5) ENTERPRISE SOUTH CARLSBAD COMPRESSOR MW #10						C-3888				
TIC	WELL OWNER NAME(S)					PHONE (OPTIONAL)					
I. GENERAL AND WELL LOCATION	ENTERPRISE PRODUCTS OPERATING LLC					1					
		ER MAILING	ADDRESS			CITY	·	STATE	ZIP 52-2521		
VEL	P.O. BOX	2521				HOUSTON		TEXAS 772	52-2521		
ļ ģ	WELL		DEGREES	MINUTES SECONE							
L A	LOCATIO		TTUDE 32	18 48	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ERAI	(FROM G		IGITUDE 104	08 11	Ŵ	* DATUM RE	QUIRED: WGS 84				
ENI	DESCRIPTIO			T ADDRESS AND COMMON LANDMARKS - PLS	S (SECTION, T	OWNSHJIP, RANG	E) WHERE AVAILABLE				
<del>`</del>	1 MILE W	/EST 385 (		DAD. SE1/4 SE1/4 S12, T235, R	27É						
			NAME OF LICENSED				NAME OF WELL DR				
	WD-171		MARTIN STRAU				STRAUB CORPO				
	DRILLING S	STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT	)		
	9-16-15			35'	35'	NA					
			i				STATIC WATER LEV	EL IN COMPLETED WI	ELL (FT)		
z	COMPLETE	COMPLETED WELL IS: C ARTESIAN C DRY HOLE ( SHALLOW (UNCONFINED)					N/A				
2. DRILLING & CASING INFORMATION	DRILLING I	DRILLING FLUID: AIR C MUD ADDITIVES - SPECIFY:									
8MA	DRILLING METHOD:   ROTARY CHAMMER CABLE TOOL OTHER-SPECIFY:										
[FO]	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR			CASING	CASING WALL			
E E	FROM	TO	DIAM	GRADE		ASING NECTION	INSIDE DIAM.	THICKNESS	SLOT SIZE		
SIN			(inches)	(include each casing string, and note sections of screen)		ГYPE	(inches)	(inches)	(inches)		
¢ CA	35'	10'	8"	SCH 40.010 CSREEN	FJ		4"	0.237	.010		
Q &	10'	0	8"	SCH 40 4" RISER	FJ		4"	0.237	RISER		
CTL.											
DRII											
2.1											
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<b>—</b>	DEDU	(fact h =1)			1		<u> </u>	<u> </u>	.l		
L	[	(feet bgl)	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL M. GRAVEL PACK SIZE-RANG			AMOUNT (cubic feet)	METHO			
RIA	FROM	то <b>8'</b>	8"	14 BAGS OF 20/40 SAND				TOPLOAD			
ATE	8'	• 1'	0 8"	6 BAGS OF 3/8 HOLEPLUG				TOPLOAD			
¥ W	0 1'	0'	8"	3 BAGS OF CONCRETE	<del>.</del>			TOPLOAD			
LAF							ļ				
ANNULAR MATERIAL			+	······							
3. AN											
FOR	I OSE INTER		- <b>I</b> · · · · · · · · · · · · · · · · · · ·	I		WR-2	WELL RECORD	LOG (Version 06/0	18/20121		
	E NUMBER	<u> </u>	3888	POD NUMBER	~		NUMBER ~7	1013			
LOC	CATION	23	SATE I	2 U.U.U		L	Monita		1 OF 2		
			シロショレート	$\alpha + \tau$							

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	DEPTH ( FROM	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED INCLUDE WATER-BEARING CAVITIES OR FRACTURE Zo (attach supplemental sheets to fully describe all units)	ONES BEARING? WATER- (YES / NO) BEARING						
	0	5'	5'	BROWN & TAN SILTY CLAY	ZONES (gpm						
	5'	6'	1'	TAN SILTY CLAY & SAND							
	6'	9	3'	SOFT CALICHE							
	9'	23	14'	TAN SILTY CLAY							
	23'	35'	12'	TAN SILTY CLAY & SAND							
د	TD	35'	1								
4. HYDROGEOLOGIC LOG OF WELL					CYGN						
DF W		<u> </u>		· · · · · · · · · · · · · · · · · · ·							
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		· · · ·		······································							
	METHOD (	TOTAL ESTIMATED									
	C AIR LIF		WELL YIELD (gpm):								
		TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING.	INCLUDING DISCHARGE METHOD.						
NO	WELL TES			ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN							
VISI	MISCELLANEOUS INFORMATION:										
ER	8"X12" FLUSH MOUNT										
INS	2X2 PAD EDDY CC	UNTY									
RIG	EDD1 COONT1										
TEST; RIG SUPERVISION	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:										
5. TH	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED UNSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:										
	THE UNDE	RSIGNED I	HEREBY CERTIF	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND F	BELIEF, THE FOREGOING IS A TRUE AND						
JRE	CORRECT	RECORD O PERMIT HO	F THE ABOVE D LDER WITHIN 2	ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WE DO DAYS AFTER COMPLETION OF WELL DRILLING:	LL KECOKD WITH THE STATE ENGINEER						
ATU		0	•								
SIGNATURE	m	t- 1	+1	MARTINSTRAUD	9-28-15						
		SIGNAI			DATE						
FOI	R OSE INTER	NAL USE			WELL RECORD & LOG (Version 06/08/201						
FIL	E NUMBER	C -	3888	POD NUMBER 5 TRN N	UMBER 571013						
LO	CATION	235	. J7E.	12.4.4.4	MONITOY PAGE 2 OF						

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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	IER NAME(S	TE MW-1		C- 03941 PHONE (OPT	IONAL)				
Key Encr	gy Service	s, LLC c/o Sou	der, Miller & Associates						
4	ER MAILIN	G ADDRESS		СІТҮ		STATE	ZIP		
201 S. Ha	lagueno	<u></u>			Carlsbad		NM 88221	. <u> </u>	
WELL	.   -	D		ONDS					
LOCATI		TITUDE		4.1 N	ļ	Y REQUIRED: ONE TEN	TH OF A SECOND		
(FROM GPS)			104 8 1	8.3 W	+ DATOM RE	QUIRED: WGS 84	• × × •		
			STREET ADDRESS AND COMMON LAND	MARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE		
NW of 14	05 Robers	on RD LOT 887-1	Loving, NM						
LICENSE N	UMBER	NAME OF LICENSED	DRILLER			NAME OF WELL DR	ILLING COMPANY		
12	49	Jackie D. Atkins				Atkins Engineering	Associates, Inc		
DRILLING	TARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)		LE DEPTH (FT)		ST ENCOUNTERED (FT)	)	
03-22-16		03-22-16	36.7	36.8		24.45			
COMPLETE	DWELL IS.	ARTESIAN	DRY HOLE SHALLOW (UNC	ONENED		STATIC WATER LEV	EL IN COMPLETED WE	ELL (F1	
COMPLETE	- 11 LLL 13;			· · · · · · · · · · · · · · · · · · ·					
DRILLING	LUID:	AIR	MUD 🖌 ADDITIVES - SP		one				
DRILLING	4ET110D:	ROTARY		Отия	R - SPECIFY: F	Iollow Stem Auger	(HSA)	and a second defined	
DEPTH	(fect bgl)	BORE HOLE	(include each easing string and CONNI		SING	CASING	CASING WALL	ING WALL SI	
FROM	то	DIAM			VECTION	INSIDE DIAM.	THICKNESS	- SI	
		(inches)	note sections of screen)	1	YPE	(inches)	(inches)	(inc	
0	21.7	±8	SCH 40 PVC	Flus	h Thread	2.0	0.154		
21.7	36.7	± 8	SCH 40 PVC (Screen)	Flus	n Thread	2.0	0.154 200	0.0	
			· · · · · · · · · · · · · · · · · · ·	<u> </u>					
						· · · <b>-</b>	 ليدرية	1 .	
[	{		<u> </u>			(		<u> </u>	
								1	
DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEAL M	LIST ANNULAR SEAL MATERIAL AND			метно		
FROM	то	DIAM. (inches)	GRAVEL PACK SIZE-RANG			AMOUNT (cubic feet)	PLACEN		
0	2	± 8	5000 lb psi Quik	Crete	·····	± 0.55	Trem	ie	
2	14.7	± 8	Neat Cement (5.2 g	al/sack)		± 3.48	Trem	ie	
14.7	19.7	± 8	Hole Plug			± 1.87 T		HSA	
19.7	36.7	± 8	12-20 Silica Sa	ind		± 6.37	Through	HSA	
·	·								
			l			l	<b>_</b>		
OSE INTER	NAL USE				<u>WR-20</u>	WELL RECORD &	LOG (Version 10/2	9/15)	

	DEPTH (feet bgl)       THICKNESS         FROM       TO         TO       (feet)         COLOR AND TYPE OF MATERIAL ENCOUNTERED         INCLUDE WATER-BEARING CAVITIES OR FRACTURE         (attach supplemental sheets to fully describe all units)						CTURE ZONES	BEAI	TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0		14		Brown dry	caliche		Y	✓ N	
ive da	14	19	5		Brown sandy clay v		<u></u>	Y	✓ N	<u></u>
	19	24	5	l	Brown and s			Y	√ N	
- Stard	24	29	5		Brown and			✓ Y	N	 
	29	36.8	7.8		Brown, soft, o	layey sand	···	✓ Y	N	
1	<b>_</b>							Y	N	·
WEL								Y	N	·
OF								Y	N	
INDROCIOCIC LOG OF WELL		···						Y	N	3
<b>.</b>								Y	N	00
õ	· · · · · · · · · · · · · · · · · · ·							Y	N	
EO.								Y	N	
<b>RO</b>				<u> </u>				Y	N	1
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								Y	N	
siya njizaki					· · · · · · · · · · · · · · · · · · ·			Y	N	C.7
				· · · · · ·				Y	N	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1								Y	N	
ri. Si sela Bri Terri Rodri Sa								Y	N	
					······································			Y	N	
								Y	N	
				OF WATER-BEAR			1	TOTAL ESTIN WELL YIELD		0.00
			R LIFT	BAILER 🔽	OTHER – SPECIFY:			and the for the state of the st		an and a second s
No	WELL TEST				ATA COLLECTED I SHOWING DISCHA					
	MISCELLAN	IEOUS INF	ORMATION:	and a state of the second s	and the second		an i sani minanging si	and a collection of the collec	in the second	argantarin <mark>din kinan mangangang</mark> mangang sa
ne on sha										ĺ
Ä										
S	PRINT NAM	E(S) OF DR	IL RIG SUPER	VISOR(S) THAT P	ROVIDED ONSITE S	UPERVISION O	F WELL CONS	FRUCTION O	THER TH	AN LICENSEE
5	Lupe Leyba	2(0) 01 21				of bit i bioit o				
					BEST OF HIS OR H AND THAT HE OR S					
SIGNATURE					MPLETION OF WE				IL DIA	LE LINGINUER
NA		_								
		<del>75</del> 6	aken J	). tehs	Jackie D. Atkins		Pr	il le	2016	
	<u></u>	SIGNATU	TRE OF DRILLER	R / PRINT SIGNE	ENAME		Ng -	il le,	DATE	
		······································								
_	OSE INTERN E NUMBER	C - 1	SALLI		POD NUMBER		WR-20 WELL TRN NUMBE		<u>_OG (Ver</u> しょぐ	sion 06/08/2012)
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# PLUGGING RECORD



#### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

#### I. GENERAL / WELL OWNERSHIP:

State	Engineer Well Number: C-03941 POD 2 BORING
Well	owner: Key Energy Services, LLC c/o Souder, Miller & Associates Phone No.: N/A
Maili	ng address: 201 S. Halagueno
City:	Carlsbad         Zip code:         88221
<u>II. W</u>	VELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well: Atkins Engineering Associates, Inc.
2)	New Mexico Well Driller License No.: <u>1249</u> Expiration Date: <u>04/17</u>
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lupe Leyba
4)	Date well plugging began: <u>3/25/16</u> Date well plugging concluded: <u>04/25/16</u>
5)	GPS Well Location:         Latitude: <u>32</u> deg, <u>18</u> min, <u>23.7</u> sec           Longitude: <u>-104</u> deg, <u>8</u> min, <u>16.7</u> sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: <u>32.1</u> ft below ground level (bgl), by the following manner: <u>Tremje</u>
7)	Static water level measured at initiation of plugging: dryft bgl
8)	Date well plugging plan of operations was approved by the State Engineer: <u>N/A</u>
9)	Were all plugging activities consistent with an approved plugging plan? <u>No</u> It not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):
The	boring was drilled to land well for ground water monitoring. Sticky clay was encountered which could
have	"mudded" off the boring. Water was not detected and the well was plugged before any casing
mate	erial was set in place. Lower portion of the boring collapsed. Well was filled to land surface with
5.20	gallons per 94/lb sack of neat cement.

Version: September 8, 2009 Page 1 of 2

584357

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.



#### For each interval plugged, describe within the following columns:

### III. SIGNATURE:

I, Jackie D. Atkins , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

th Signature of Well Driller

15/2016

Version: September 8, 2009 Page 2 of 2



# WELL RECORD & LOG office of the state engineer

¥.	· 1912 · C		www.ose.state	<u>.nm.us</u>							2016 11	
		OSE POD NUMBER (WELL NUMBER) C- 03941 POD-2 SITE PROPOSED MW-2 C-03941										
ê	U     U <td></td> <td></td> <td></td>											
GENERAL WND WELL DOCATION	Well OWNER NAME(S) Key Energy Services, LLC c/o Souder, Miller & Associates								(UNAL)			
	WELL OWNE	R MAILING	G ADDRESS			· · · ·		CITY		STATE	ų.	ZIP
	201 \$. Hala	agueno						Carlsbad		NM	88 <del>22</del> 1	
	WELL	<u> </u>	DI	EGREES	MINUTES	SECON	NDS	T				
	LOCATIO	N LA	TITUDE	32	18	23.	.7 <sub>N</sub>	* ACCURACY	REQUIRED: ONE TEN	TH OF A SE	COND	
	(FROM GP	S)	NGITUDE	104	8	16.	.7 W	* DATUM RE	QUIRED: WGS 84			
			NG WELL LOCATION TO ON RD LOT 887-1		S AND COMMON	LANDM	ARKS - PL	SS (SECTION, TO	WNSIIJIP, RANGE) WH	IERE AVAII	ABLE	
27) 20	LICENSE NU	MBER	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING CO	MPANY	
	124	.9	Jackie D. Atkins						Atkins Engineering	Associates	s. Inc	
	DRILLING ST	TARTED	DRILLING ENDED		PLETED WELL (FI			LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOU	NTERED (FT)	
	03-23-16		03-24-16	32.1		·	45		dry			
	COMPLETED WELL IS: ARTESIAN M DRY HOLE SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)						
	DRILLING FI	UID.	AIR		🖌 ADDITIV	ES – SPEC	IFY: N	lone				
24.02	DRILLING METHOD: CABLE TOOL CONTIGER-					ER - SPECIFY: H	Iollow Stein Auger	(HSA)				
	DEPTH ( FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	(include eac	ATERIAL AND GRADE th casing string, tions of screen)		CON	ASING NECTION ГҮРЕ	CASING INSIDE DIAM. (inches)	THIC	G WALL KNESS ches)	SLOT SIZE (inches)
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H STATE OF								<u>_</u>				
									· · · · · · · · · · · · · · · · · · ·			
	DEPTH (	feet bgl)	BORE HOLE	LIST	ANNULAR SE	AL MA	TERIAL A	AND	AMOUNT		METHO	D OF
	FROM	то	DIAM. (inches)	GRAVE	EL PACK SIZE-	RANGE	BY INTE	ERVAL	(cubic feet)		PLACEM	
				Neat Cement	t (5.2 gal	/sack)		± 7.65		Trem	ie	
								·····				
<u> </u>	OSE INTERN		<u> </u>	]								

FOR USE INTERP	NAL USE			WR-20 WELL REC	UKD & LUG (Vers	10/29/15
FILE NUMBER	C-3941	POD NUMBER	5	TRN NUMBER	58435	$5^{\prime}$
LOCATION	235.27E.13.2.4.3	·		monit	Or	PAGE 1 OF 2
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		4.5 22.5	and a second of the second	an a tha an	11				er soon og	r		
	DEPTH ( FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WAT	FER-BEARING CAV	ERIAL ENCOUNTERED /ITIES OR FRACTURE Z 10 fully describe all units)	ONES	WAT BEAR (YES)	ING?	YI V B	TIMATE ELD FOI VATER- EARING NES (gpr	R
	0	9	9		Brown and gr	ey caliche		Y	√ N			
4 K	9	14	5	Bro	own, dry sandy clay	w/ some grey color		Y	✓ N			
	14	19	5		Brown san	iy clay		Y	√ N			
	19	29	10		Brown, hard s	andy clay		Y	√ N			
	29	39	10		Brown san	iy clay		Y	✓ N			
<b>.</b>	39	44	5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Brown, soft cl	ayey sand		Y	√ N			
INTROCEDIO COLOR MELL			<u> </u>					Y	N			
01			f={					Y	N			
2	·							Y	N ;	2		
3			├─── <b> </b>		<u> </u>			Y	 N			
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- 19.00								Y	N			÷
and a second sec			<u> </u>			<u></u>		Y	N			
593-595-90 <b>9</b>			<u> </u>						N			$\neg$
								 Y			<u> </u>	
				<u></u>		<u> </u>		Y	N			_
23. Man 19	METHOD U	SED TO ES	TIMATE VIELD	OF WATER-BEARIN				AL ESTIM				
								L YIELD			0.00	
	PUM			BAILER 0	THER – SPECIFY:	and the second	NAME OF THE OWNER OF T	union and and a state of the second			and the second	(1.1 <sup>4</sup> ) <sup>41</sup> <sup>41</sup>
	WELL TES					URING WELL TESTING					OD,	
				IE, AND A TABLE S		RGE AND DRAWDOWN	OVER IH	E LESTIN	G PERIO		6	laise.
	MISCELLAN	NEOUS INF	ORMATION: ST			bly "mudded" off boring	g. BORING	G ABANI	DONED	SEE		}
			SE	PERATE PLUGGR	NG RECORD							
	PRINT NAM	E(S) OF DF	ULL RIG SUPER	VISOR(S) THAT PRO	OVIDED ONSITE ST	JPERVISION OF WELL	CONSTRUC	CTION OT	HER TH	AN L	CENSE	3:
*	Lupe Leyba											
-10-20. 2000-000-00-00-00 1**	THE DODD							ECOREC		1 mP		=
	CORRECT R	ECORD OF	THE ABOVE DE	ESCRIBED HOLE AN	ND THAT HE OR SI	ER KNOWLEDGE AND E HE WILL FILE THIS WEI						
	AND THE PI	ERMIT HOI	LDER WITHIN 20	DAYS AFTER COM	IPLETION OF WEL	L DRILLING:						
SIGNATURE			0	Ia	ackie D. Atkins	C						
S.	7	lector	D. KST	·			pul	6 2	-16			
_ 1	$\mathcal{C}$	SIGNATU	JRE OF DRILLEF	R / PRINT SIGNEE	NAME		<u> </u>		DATE			
FOP	OSE INTERN	JAL USE	<u> </u>				WELL REG		06 (V~-	sion 0	6/08/201	 >>
	ENUMBER	Č-	2941		POD NUMBER	2 TRN NU		รีลนี้	$\overline{\mathbf{x}}$	)	01001201	ή
LOC	ATION	235	27E.1	3.2.4.3	}	· · · · · · · · · · · · · · · · · · ·	mo	rito	r	PAG	GE 2 OF	2

Received by OCD: 1/15/2025 8:14:20 AM



## WELL RECORD & LOG

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2010 HAR 26 MI D- 46

RO

OSE POD NO. ( C-4187	WELL NO.)	· · · · · · · · · · · · · · · · · · ·		WELL TAG ID NO			OSE FILE NO(	S).	L	;
1	16 N.			2068 D	<b>,</b>					
WELL OWNER AZ EDU Pro		LC	·				PHONE (OPTI	ONAL)		
WELL OWNER	MAILING A	DDRESS					CITY	-	STATE	Z₽
25528 Genes	ee Trail F	Road					Golden		CO 80401	
WELL		DE	EGREES	MINUTES	SECONE	1	<u>, 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 196</u>	e nek beeren filmt ist niken oor beroek. E	<u> an </u>	14.19.89
LOCATION	LATI	TUDE	32	19	12.5	Ň	* ACCURACY	REQUIRED: ONE TEN	ITH OF A SECOND	
(FROM GPS)	LONG	TUDE	104	08	02.2	W	* DATUM REG	QUIRED: WGS 84	· .	
DESCRIPTION	RELATING	WELL LOCATION TO	) STREET ADDR	ESS AND COMMO	N LANDMAI	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	HERE AVAILABLE	
Corner of Ro	berson Ra	d.+Loving Highw	ay.							•
LICENSE NO.	<u></u>	NAME OF LICENSED	DRILLER	<u>Annes i ug tier dess</u>		AR (12433-1.)	<u> Strict Story, of A. Those</u> s	NAME OF WELL DE	RILLING COMPANY	at 15 dat 17
WD-13-	48		(	Clinton E Taylo	r			Taylo	r Water Well Service	
DRILLING STA 3/5/201	1	DRILLING ENDED 3/6/2018	DEPTH OF CO	MPLETED WELL (F 88	7T) 1		e depth (ft) 90		RST ENCOUNTERED (FT) 48	
COMPLETED V	VELL IS:	ARTESIAN	DRY HOL	E 🔽 SHALL(	OW (UNCON	FINED)		STATIC WATER LE	VEL IN COMPLETED WE 35	LL (FT
DRILLING FLU	ID:	AIR	MUD	ADDITF	VES – SPECI	FY:			· · · · · · · · · · · · · · · · · · ·	
DRILLING MET	HOD:	<b>F</b> ROTARY	L HAMMER CABLE TOOL OTHER -				R – SPECIFY:	: 		- 
DEPTH (fe	et bgl)	BORE HOLE	CASING MATERIAL AND/OR GRADE CAS				SING	CASING	CASING WALL	SL
FROM	TO	DIAM	Ginchide	GRADE each casing string	s and	CONN	JECTION	INSIDE DIAM.	THICKNESS	SI
		(inches)		sections of screen			YPE ing diameter)	(inches)	(inches)	(inc
+1.5	20	9 7/8		PVC		S	pline	4.5	SDR 17	
20	48	8 3/4		PVC			pline	4.5	SDR 17 .	
48	88	8 3/4		PVC		S	pline	4.5	SDR 17	.0.
			<u>  · · ·</u>		· · · ·				· ·	
						:				
		1		<u>, , , , , , , , , , , , , , , , , , , </u>						
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		Nasional di		ىرى ئەربە بەرە بەرە بەرە بەرە بەرە بەرە بەرە	1		5.8.1741 - 2.01 10.11.9 - 11.1	and the second		Art Cart Car
DEPTH (fe	et bgl)	BORE HOLE	1	ST ANNULAR S				AMOUNT	METHO	
FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE	E-RANGE J	BYINTE	RVAL	(cubic feet)	PLACEN	AENT
0 .	20	9 7/8			ntonite Gro	ut		8 Sacks	Trem	
. 20	88	8 3/4	an set of the		Pea Gravel	. 1 <sup>.</sup>		2 Yards	Dum	p
			·							• • :
			1							;
				· · ·	·····					
· ·. :: ··		1	1				· · · · · · · · · · · · · · · · · · ·	the second of the		
· · · · · · · · · · · · · · · · · · ·									and the second	

FILE NO. C-4187	POD NO.	l	TRN NO.	e17561	
LOCATION 235,28E. 7. 1.3.3	Drink	SAN WELI	L TAG ID NO.	2068D	PAGE 1 OF 2
		,			

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	DEPTH (1 FROM	feet bgI) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0 ~		6	Soil	Y VN	
	6	20	14	Clay:lt rd,sndy	Y 🖌 N	
	··· 20 ···	48	28	Clay:lt rd-lt gry,sndy-slty	Y VN	
	· 48 · "	78	30	Layers Of Sand, Fine Gravel+Clay	VY N	10.00
				Sand:ambr,clr,vfn grn,sb rnd-rnd,lsly consl	Y N	
				Gravel:1/8"-1/4" brn,yel brn,gry,tn,off wht,sb md	Y N	-
WEI				Clay:rd,sndy	Y N	
5	78	88	10	Conglomerate:yel brn,gry,brn,tn,lmy,very fractured drilling	🖌 Y 🛛 N	90.00
HYDROGEOLOGIC LOG OF WELL	88	90	2	Clay:rd,sft,stky	Y 🖌 N	
2					Y N	
ĕ] [					Y N	
Se l					Y N	
Se l					Y N	
2					Ý N	
<b>-</b>					Y N	1 ( ) N
		· · · · · ·			Y N	
				n an	Y N	
		· · · · · · · · · · ·			Y N	-
					Y N	
					Y N	
					Y N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	<b>.</b>
	✓ PUMI		IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	100.00
NO	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCL ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER		
RIG SUPERVISI	MISCELLA	NEOUS INF	ORMATION: W	ell drew down 5' after pumping at 20 GPM for two hours. Well is lir re. Water is very poor quality. 7800 PPM Total Dissolved Solids.	nited to pumping 10	0 GPM by casing
5. TEST,	PRINT NAM	fE(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	IRUCTION OTHER T	HAN LICENSEE:
SIGNA TURE	CORRECT I	ECORD O	F THE ABOVE I	TES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 0 DAYS AFTER COMPLETION OF WELL DRILLING:		
6. SIGN		$\overline{\langle}$		CE Taylor	3/21/2018	
	an Assertant and a	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	5 (1952) X (1873) 2014.
FOR	OSE INTERI	NAL USE	2	WR-20 WELL	RECORD & LOG (V	ersion 06/30/2017)
	ENO. $C$	11	<u>8</u> )	POD NO. TRN NO.	6156	1
LOC	ATION C	<u>792</u>	,28E.7	1.1.3.3 Drink Somell TAGIDNO.	70031	PAGE 2 OF 2

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# WELL RECORD & LOG

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7018 MAR 11 FW 2: 59

OSE POD NO. C-4307	. (WELL NO	.)		WELL TAG ID NO. 221FB			OSE FILE NO(	<b>S)</b> .		
WELL OWNE						8.8	PHONE (OPTI	ONAL)		
WELL OWNE 25528 Gene	ER MAILING	ADDRESS				······	CITY Golden	· · · · · · ·	STATE CO 80401	ZIP
25528 Geik		. <b></b>	ta sena desente com				Goiden		00401	
WELL		ום	EGREES 32	MINUTES	SECON					
LOCATION	~~~	TTUDE		19	8.8	N	ļ	REQUIRED: ONE TEN	TH OF A SECOND	
(FROM GPS	S) LOI	NGITUDE	104	7	53.	9 W	* DATUM RE	QUIRED: WGS 84		
DESCRIPTIO	N RELATIN	GWELL LOCATION TO	STREET ADD	ESS AND COMMON	LANDMA	RKS-PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	IERE AVAILABLE	
Just past Ro	oberson R	d on Hywy 285 on	the west side	e of the road.						
LICENSE NO.		NAME OF LICENSED	DRILLER	· · · · · · · · · · · · · · · · · · ·				NAME OF WELL DR	ILLING COMPANY	
WD-1	348		(	Clinton E Taylor				Taylor	Water Well Service	
DRILLING ST		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (FT)	)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)	)
2/26/2	019	2/27/2019		92			100		78	
COMPLETED	WELL IS:		DRY HOL	E 📝 SHALLOW	V (UNCO)	NFINED)		STATIC WATER LEV	VEL IN COMPLETED WE	ELL (FT)
DRILLING FL	UID:	AIR	MUD	ADDITIVE	ES – SPEC	IFY:	·····	I		
DRILLING MI	ETHOD:	ROTARY	HAMMER	CABLE TO	) OL	OTHE	R – SPECIFY:			
DEPTH (	feet bgl)	BORE HOLE	CASING	G MATERIAL AND/OR			SING	CASING CASING WAL		SL
FROM	TO	DIAM	Gratit	GRADE		CON	VECTION	INSIDE DIAM.	THICKNESS	SIZ
		(inches)		each casing string, a sections of screen)	and	T (add coup)	YPE ling diameter)	(inches)	(inches)	(incl
+1.5	20	9 7/8		PVC		· · · · ·	pline	4 1/2	SDR 17 (.291)	1
20	72	8 1/2		PVC		S	pline	4 1/2	SDR 17 (.291)	
72	92	8 1/2		PVC		S	pline	4 1/2	SDR 17 (.291)	.03
						· · · · · · · · · · · · · · · · · · ·	·		· · · ·	
								······································		
										ļ
				· · · ·						
					<del>.</del>			·····		  .
DEPTH (1	feet bgl)	BORE HOLE		ST ANNULAR SEA				AMOUNT	METHO	
FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-F			RVAL	(cubic feet)	PLACEN	
0	20	9 7/8	<b> </b>	20% Bento		ut	· · · · · · · · · · · · · · · · · · ·	3 Sacks	Trem	
20	92	8 1/2		3/8" Pea	Gravel			2.5 Yards	Dum	<b>.</b>
	······			·····						
OSE INTERN	JAT TICE		I				370 44			0/17
	-43C	27		POD NO.	1		TRN N		LOG (Version 06/3	9/1/ <u>)</u>

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WELL TAG ID NO. 221FB

PAGE 1 OF 2

Sant

LOCATION

235.2

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	DEPTH (f	to TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIA R-BEARING CAVITIE: plemental sheets to full	OR FRAC	TURE ZONES	BEAL	.TER RING? / NO)	ESTIMAT YIELD FO WATER BEARIN ZONES (g
	0	7	7	······	Soil			Y	· / N	ZONES (g
			· · · · · · · · · · · · · · · · · · ·						✓ N ✓ N	
	7	48	31		Clay: lt brn,brn,slty-			Y		
24. 	48	64	16		Clay: rd,smth,sme	······		Y	✓ N	
	64	78	14		Clay: rd,sndy,sme smt			Y	<b>√</b> N	 
	78	85	7		y+Sand: Sand: clr,frstd,rc			_ <b>√</b> Y	N	20.00
	85	100	15	Conglome	rate:lt rd,sndy,sme yel br	n+lmy,sme r	d shale	✓ Y	N	80.00
								Y	N	
5								Y	N	
2				· .				Y	N	
2				· · · ·				Y	N	
š				**************************************			- <b>1.7 V</b>	Y	N	
				<u></u>				Y	N	
	·····				:			Y	N	
								Y	N	·····
<b>;</b>			· · · · · · · · · · · · · · · · · · ·					Y	N	
			·				<b>.</b>	Y	N	
				· · · · · · · · ·	· · · · ·	<u> </u>			N	
								Y	N	
					· · · ·	<u> </u>				
				· · · · · · · · · · · · · · · · · · ·				Y	N	
								Y	N	
			<u> </u>					<u> </u>	N	
	THOD US	·		OF WATER-BEARING	G STRATA: HER – SPECIFY:			TOTAL ESTI WELL YIELI		100.00
					HER – SPECIFT.		<u></u>	lan a		and San
24	ELL TEST				A COLLECTED DURIN IOWING DISCHARGE					
MI	SCELLAN	IEOUS INI	FORMATION: W	ell is limited to 100 C	ipm by casing size. W	ater is poor	quality.	<u></u>	<u></u>	appellange (1997) - Constant (
MIX PRI										
										<b>:</b>
		· ·	<u> </u>			<u> </u>				<u>v</u> i č
	INT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION OF	WELL CONS	TRUCTION C	THER TH	IAN LICENS
								•		
TH	E UNDER	SIGNED F	EREBY CERTIF	IES THAT, TO THE B	EST OF HIS OR HER K	NOWLEDG	E AND BELIE	F. THE FORI	GOING I	IS A TRUE A
) CO	RRECT R	ECORD O	F THE ABOVE D	ESCRIBED HOLE AN	D THAT HE OR SHE W PLETION OF WELL DR	TLL FILE T				
	$\langle$	(-,			CE Taylor			3/4	/2019	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
- <u>4. 1987 (* 1</u> 92	<u></u>			een een approvinge <u>n 125 (15 (15 (15 (15 (</u> 15	en e	<u>gan</u> gaén kalan karangan karangan karangan karangan karangan karangan karangan karangan karang karang karang kar Karang karang k	WP 20 WELL	L RECORD &		mion 06/20/20
OR OSI	E INTERN	AL USC							LOUITE	
OR OSI ILE NO	E INTERN ).	ALUSE			POD NO.	F	TRN NO.		LOG(Ve	151011 00/30/20

PAGE 1 OF 2



## WELL RECORD & LOG

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Z	OSE POD NO C-4313	). (WELL NO	l.)		WELL TAG ID NO. 22214			OSE FILE NO(	S).			
TIOI	WELLOWN	ER NAME(S						PHONE (OPTI	ONAL)	<b></b>		
OCA	AZ EDU P								,			
AND WELL LOCATION	WELL OWN 25528 Gen			<u> </u>				crry Golden		STATE CO	80401	ZIP
D WI		<u> </u>		GREES	MINUTES	SECOND		1				
AN	WELL LOCATIO			32	18	48.1	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SE	ECOND	
GENERAL	(FROM GF	2S)	TITUDE NGITUDE	104	07	56.4	W	* DATUM REG	QUIRED: WGS 84			
EN	DESCRIPTIO		NGHODE	STREET ADDR	ESS AND COMMON	LANDMAR	KS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAII	LABLE	
1.0			ween 285 and Robe						·			
	LICENSE NO		NAME OF LICENSED					<u></u>	NAME OF WELL DR			
	WD-1				linton E Taylor			·· ··			ell Service	
	DRILLING S 4/1/2		DRILLING ENDED 4/2/2019	DEPTH OF COM	MPLETED WELL (FT 98.5	Г) В		LE DEPTH (FT) 100	DEPTH WATER FIR	ST ENCOUI 86	NTERED (FT)	
z	COMPLETE	D WELL IS;	ARTESIAN	DRY HOLI	e 🔽 Shallov	W (UNCONF	INED)		STATIC WATER LEV	vel in con 41	MPLETED WE	LL (FT)
TIO	DRILLING F	LUID:	AIR	MUD	ADDITIVI	ES – SPECIF	Y:		L			···········
RMA	DRILLING M	IETHOD:	ROTARY	HAMMER	CABLE TO	00L [	OTHE	R - SPECIFY:	· · ·			
INFO	DEPTH	(feet bgl)	BORE HOLE	CASING N	MATERIAL AND	/OR	CA	ASING	CASING	CASIN	IG WALL	SLOT
2. DRILLING & CASING INFORMATION	FROM	то	DIAM (inches)	(include each casing string, and			CON	VECTION YPE	INSIDE DIAM. (inches)		CKNESS (ches)	SIZE (inches)
¢ CA	+1.5	20	9 7/8	note s	PVC	- (		ling diameter) pline	4 1/2	SDR	17 (.291)	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
NG &	20	88.5	8 1/2		PVC		S	pline	4 1/2	SDR	17 (.291)	
TLL	88.5	98.5	8 1/2		PVC		S	pline	4 1/2	SDR	17 (.291)	.032
2. DRI												
		<u>.</u>								20	2 N N	
										ی م	SN SN	
			·····			· · · · · · · · · · · · · · · · · · ·				~~		
											A constraint of the second of	
<u> </u>	 	· · · · · · · · · · · · · · · · · · ·		<u></u>	······	I						
T	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM. (inches)		T ANNULAR SE /EL PACK SIZE-				AMOUNT (cubic feet)	ж. 2	METHO	
ERL	0	20	9 7/8		20% B	Bentonite			3 Sacks	51	ିଲ୍ଲ	
ANNULAR MATERIAL	20	98.5	8 1/2	· · · · · · · · · · · · · · · · · · ·	3/8" Pc	a Gravel			2.5 Yards		Dum	
R		•••••							· · · · · · · · · · · · · · · · · · ·			` <b>~</b>
1017												
ANN		· · · · · · · · · · · · · · · · · · ·									·······	
ч												
				l								·····
	$OSE INTERE NO. 7^{-1}$	NAL USE	-2	· · · · · · · · · · · · · · · · · · ·	POD NO.	t		WR-20	$\frac{10 \text{ well record}}{10}$			)/19)

Sec 7

WELL TAG ID NO.

222

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LOCATION

235R28E

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r			·· ··· · · ·								• • • • • •			
	DEPTH (1	feet bgl) TO	THICKNESS (feet)	INCLUD	E WATE	D TYPE OF MATERIA R-BEARING CAVITIE plemental sheets to full	es or i	FRAC	TURE ZONE	s	WA BEAI (YES			ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm
	0	6	6			Soil					Ŷ	r	N	
	6	20	16			Clay:wht,sme lt rd,sme	e calich	ie			Y	~	N	
	20	36	16			Clay:off wht,pl rd,s					Y	~	N	
	36	42	6			Clay:lt rd,smth-sl					Y	~	N	
laga a	42	50	8			Clay:off wht,smi	-				Y	~	N	
	50	68	18		·····	Clay:pl rd,stky-sn					Y	~	N	
/ELJ	68	86	8	<u> </u>		Clay:rd,stky,smth,tr					Y	~	N	
DF W	86	100	14		Conglor	merate:lt brn,mott brn,pn	_	v in prt.	.lmv		✔ Y		N	100.00
200		100	<b>F</b>		-	clr,ambr,fn-vfn grn,unco			··· · · ·		• • • Y		N	
CLC	<u></u>	1		J 	ound.					{	Y		N	
OGI											Y		N	
EOL								-,			Y		N	· · · · · · · · · · · · · · · · ·
(DO	· · ·			·							Y		N	· -
4. HYDROGEOLOGIC LOG OF WELL										· · ·	Ŷ		N	
4. H			1			·					Y		N	
	· . · ·								<u>uu</u>		Y		N	
		· · · · ·											N	
			1	}				·····			Y		N	<u></u>
											- - 		N	··· -··
											Ŷ		N	
			1								Y		N	
	METHOD U	ISED TO ES	STIMATE YIELD	OF WATER-	BEARING	G STRATA:					AL ESTI		ED	100.00
	<b>PUM</b>	P 🔽 A		BAILER	гоП	HER - SPECIFY:				WEL	L YIELI	ן פון ר	m):	100.00
NO	WELL TES	T TEST STAR	RESULTS - ATT TTME, END TI	ACH A COPY ME, AND A T	' OF DA'I 'ABLE SF	A COLLECTED DURI IOWING DISCHARGE	ING W	ELL T DRAV	ESTING, ING VDOWN OV	CLUDII ER THI	NG DISC E TESTI	CHAF NG P	RGE N ERIO	AETHOD, D.
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION: W	ell is limited	to 100 G	PM by casing size. 1	The wa	ater qu	ality is 5200	) PPM	TDS.			
S. TES	PRINT NAM	Æ(S) OF D	RILL RIG SUPER	RVISOR(S) TH	IAT PRO	VIDED ONSITE SUPE	RVISI	ON OF	WELL CON	ISTRU	CTION C	THE	R TH	AN LICENSEE
SIGNATURE	RECORD O	F THE ABO	OVE DESCRIBED	WELL I ALS	SO CERT	F MY KNOWLEDGE IFY THAT THE WELL IOLDER WITHIN 30 D.	. TAG,	IF RE	QUIRED, HA	AS BEE	N INSTA	<b>ALLE</b>	id an	ID THAT THIS
6. SIGNA		( -				CE Taylor			_		5/1	1/20	19	
Ŷ		SIGNAT	URE OF DRILLE	ER / PRINT	SIGNEE	NAME						DA	TE	
EOI		NAL LICE		· · · · · · · · · · · · · · · · · · ·					WR_20 WR	11 00	າດຊາງ ຂ	10	We	sion 04/30/2019
· · · · ·	<u>r ose inter</u> e no. (	4313	3			POD NO.			TRN NO.		α	. L.V.		5.0E VT/50/201
	CATION 3	347	T238	B28	-	Sec 7		WELL	TAG ID NO.	72	2	11	_	PAGE 2 OF

### Released to Imaging: 4/11/2025 2:13:50 PM

Received by OCD: 1/15/2025 8:14:20 AM

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## PLUGGING RECORD



#### NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

<u>I. G</u>	ENERAL / WELL OWNE	RSHIP:					Λ	101	1	_
State	Engineer Well Number: <u>B</u> -	1			OLSSC			-4315	• =	$\Sigma$
Well	owner: 3 BEARS ENERGY	/, LLC			-	Phone	No.: 303	862-3962		
Maili	ng address: 1512 LARIME	R STREET, SUIT	E 540							
City:	DENIVED				(	co		_ Zip code	80202	
<u>11. w</u>	ELL PLUGGING INFO									
1)	Name of well drilling co	ompany that plugg	ged well: _	ENVIRO-D	RILL, IN	NC.				
2)	New Mexico Well Drill	er License No.:	WD 1186				Expira	tion Date: _	03/31/20	
3)	Well plugging activities RODNEY HAMMER				driller(	(s)/rig su				ن ن ایر بر ایر ایر ایر ایر ایر ایر ایر ایر ایر ایر ایر
4)	Date well plugging bega	an: 04/10/19		Date	well plu	igging c	oncluded:	04/11/19		
5)	GPS Well Location:	Latitude: Longitude:	32 -104	_deg, _deg,	20 17	min, min,	01.3 44.3	_ sec _ sec, WGS	84 🚆	
6)	Depth of well confirmed by the following manner	l at initiation of p r: <u>Sound</u> e	lugging as: 26	_75	ft bel	low grou	und level (b	ogl),	 ©	
7)	Static water level measu	red at initiation o	of plugging:	dry	ft bg	ş <b>l</b>				
8)	Date well plugging plan	of operations wa	is approved	by the Sta	ite Engi	neer:	4/01/19	-		
9)	Were all plugging activi differences between the									

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

#### For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	<u>Theoretical Volume</u> of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
75' -	BENTONITE PORTLAND GROUT MIX	157	120	TAIMMIE	
	භ දිදි ආ				
	α α α α α α α α α α α α				
-					
-					
		MULTIPLY cubic feet x 7 cubic yards x 201	BY AND OBTAIN 4805 = gallons 97 = gallons		

#### **III. SIGNATURE:**

I, <u>JVAN BARARAZA</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jun Bry-04-19-19 Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

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Re

## WELL RECORD & LOG OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

I.	OSE POD NO C-4315 B-			50N 149	WELL TAG ID NO.			OSE FILE NO	(S).		·····
UOL				SON 148				C-4315			
OCA	WELL OWNE MICHAEL							PHONE (OPTI 303-918-25			
GENERAL AND WELL LOCATION	WELL OWNE 3990 FOX		ING ADDRESS					CITY DENVER		STATE CO 80216	ZIP
N (I)		<u> </u>		DEGREES	MINUTES	SECON	DS				
VI V	WELL LOCATIO		LATITUDE	32	20	01.3	N	1	REQUIRED: ONE TEN	TH OF A SECOND	
NER	(FROM GP		LONGITUDE	-104	17			L	QUIRED: WGS 84		
1. GF	DESCRIPTIC	ON RELA	TING WELL LOCATION	TO STREET ADD	RESS AND COMMON L	ANDMA	RKS – PLS	S (SECTION, TO	WNSHIP, RANGE) WF	IERE AVAILABLE	· <b>-··</b>
	LICENSE NO. WD 1		NAME OF LICENS		DDNEY HAMMER	2	,, * x +	·····	NAME OF WELL DR	ILLING COMPANY TRO-DRILL, INC.	
	DRILLING ST 04/10		DRILLING ENDED 04/11/19	DEPTH OF CO	OMPLETED WELL (FT)		BORE HOI	LE DEPTH (FT)	DEPTH WATER FIR		)
								15	STATIC WATER LEV	/EL IN COMPLETED WI	ELL (FT)
NO	COMPLETED		S: 🗍 ARTESIAN	DRY HO	LE SHALLOW	(UNCON	IFINED)		d	<u>гч</u>	
[ATI	DRILLING FL	UID:			ADDITIVES						· · · · · · · · · · · · · · · · · · ·
ORM	DRILLING M	ETHOD:						ER-SPECIFY: HSA			
2. DRILLING & CASING INFORMATION	DEPTH ( FROM	feet bgl TO	BOKE HOLE	(include	(include each casing string, and			ASING NECTION YPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
& CA					NO well set			ing diameter)		<u> </u>	╀────
DNI,											-
RILI									, 	<del>(;)</del>	+
2. D											
· [											
ł											
·	<del> </del>										
		·							· · · · · · · · · · · · · · · · · · ·		
ا بن	DEPTH (	feet bgl			ST ANNULAR SEA				AMOUNT	METHO	
ANNULAR MATERIAL	FROM	то	DIAM. (inches	GRA	VEL PACK SIZE-R		BYINIE		(cubic feet)	PLACEN	AENT
(ATE						_					
ARM				1							
Į,											
									·····		
£											
	OSE INTERN	NAL US	E							k LOG (Version 06/3	0 <u>/17)</u>
FILE	NO.	- 4 ing: 4	315 /11/2025 2:13:5	0 PM	POD NO.			TRN N		851	1051

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r		<u> </u>				· · · · · · · · · · · · · · · · · · ·				······
	DEPTH (		THICKNESS		D TYPE OF MATERIAL ER-BEARING CAVITIES				TER RING?	ESTIMATED YIELD FOR WATER-
	FROM	то	(fcet)		plemental sheets to fully		,	(YES	/NO)	BEARING ZONES (gpm)
	0	69	69	Sand gr	clay	<u>cobbl</u>	es	Y	$\bigcirc$	
	62	75	13	6 rown	clay			Y	$\odot$	
	L	1			J			Y	N	
		_					_	Y	N	
								Y	N	
H							_	Y	N	
WEI								Y	N	
0F	_							Y	N	
00								Y	N	
								Y	N	
ŎŢ								Y	N	
4. HYDROGEOLOGIC LOG OF WELL		<b>6</b> 2						Y	N	
NO NO		é						Y	N	
HWI							_	Y	N	
4						-		Y	N	
Ì			-					Y	N	
{								Y	N	
	-	6 / S						Y	N	
ļ		25						Y	N	
								Y	N	
								Y	N	
	METHOD L	ISED TO ES	STIMATE YIELD	OF WATER-BEARIN	G STRATA:			OTAL ESTI		
	PUM	P 🔲 A	IR LIFT	BAILER 0	THER - SPECIFY:			WELL YIELI	O (gpm):	0.00
ION	WELL TES				A COLLECTED DURING					
TEST, RIG SUPERVISION	MISCELLA	NEOUS INI	ORMATION:							<u> </u>
TES	PRINT NAM	ME(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SUPER	ISION OF W	ELL CONST	RUCTION C	THER TH	IAN LICENSEE:
ŝ	· ·									
SIGNATURE	CORRECT	RECORD O	F THE ABOVE D	ESCRIBED HOLE AN	EST OF HIS OR HER KN ID THAT HE OR SHE WI IPLETION OF WELL DRI	LL FILE THIS LLING:				
6. SI	to	STENAT		Kodn		£/~		4-19-		
	<u> </u>		ORE OF DRILLE	AC / FRINT SIGNEE				·····	DATE	
	R OSE INTER	NAL USE			· · · · · · · · · · · · · · · · · · ·			. RECORD &	LOG (Ve	rsion 06/30/2017)
FIL	E NO.				POD NO.	11	RN NO.			

WELL TAG ID NO.

PAGE 2 OF 2

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## WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

z	OSE POD NO C-4366	. (WELL NO	.)		WELL TAG ID NO. 22454			OSE FILE NO(	5).			
DCATIC	WELL OWN				1			PHONE (OPTIC	DNAL)			
WELL LA	WELL OWN 25528 Gen			<u></u>				city Golden		STATE CO	80401	ZIP
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GP		DE	GREES MINUTES SECONDS 32 19 3.6 N 104 8 .4 W				ACCURACY REQUIRED: ONE TENTH OF A SECOND     ADATUM REQUIRED: WGS 84				
1. GENE	DESCRIPTIO	DN RELATIN	NGITUDE NG WELL LOCATION TO Person Rd. and Hyw	STREET ADD	RESS AND COMMON L	ANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAII	ABLE	
	LICENSE NO WD-1		NAME OF LICENSED		Clinton E Taylor				NAME OF WELL DRI Taylor		MPANY ell Service	
	DRILLING S 11/13/		DRILLING ENDED 11/14/2019	DEPTH OF C	OMPLETED WELL (FT) 94		BORE HOI	e depth (FT) 94	DEPTH WATER FIRS	ST ENCOUR 85	TERED (FT)	
Z	COMPLETE	D WELL IS:	- ARTESIAN		LE 7 SHALLOW	(UNCO	NFINED)		STATIC WATER LEV	EL IN COM		.L (FT)
VIIO	DRILLING F	LUID:	AIR		ADDITIVES	S SPEC	CIFY				2010	SOS
RMA	DRILLING M	IETHOD:	7 ROTARY	Г намме	R CABLE TO	OL	C OTHE	R – SPECIFY:			E	
CASENG INFORMATION	DEPTH (feet bgi) FROM TO		BORE HOLE DIAM (inches)	(include	MATERIAL AND/ GRADE each casing string, a	ring, and		SING IECTION YPE	CASING INSIDE DIAM. (inches)	THIC	G WALL KNESS ches)	SLOT SIZE (inches)
CA	+1.5	20	9	note	sections of screen) Pvc			ing diameter) ne 5 3/4"	4 1/2		<del>کر</del> این 291	 ><
iG &	20	74	7 7/8		Pvc		Splir	e 5 3/4"	4 1/2		<sup>291</sup> ()	3
DRILLING	74	94	7 7/8		Рус		Splir	ie 5 3/4™	4 1/2		291 27	2 <b>669</b>
2. DI												
					· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	· · · ·		
			· · · · · · · · · · · · · · · · · · ·		······································						2.2	
									**** ^ *** *** <b>*** ***</b>			
T		(feet bgl)	BORE HOLE DIAM. (inches)		IST ANNULAR SEA				AMOUNT (cubic feet)	•	METHO	) OF
ERIA	FROM 0	<u>TO</u> 20	9		Bentonit				8 Sacks		Dump	,
MATI	20	94	7 7/8		3/8" Pea	Grave	1		2.5 Yards		Dump	)
ANNULAR MATERIAL												
3. ANN							<u></u>					
-					······				· · · ·			······
	OSE INTER							WR-20	WELL RECORD	LOG (V	ersion 04/30	/19)
FILE	E NO.	<u>C-0</u>	4364		POD NO.	. ~		TRN N	10. 6590	14		
LOC	ATION		2	35.28	SE. 7. 31	13	·   ·	WELL TAG II	DNO. 2245	<u> </u>	PAGE	OF 2

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	· · · · · · · · · · · · · · · · · · ·					·			·			
	DEPTH (	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERI ER-BEARING CAVIT oplemental sheets to fi	IES OR	FRAC	TURE ZONE	s	WA' BEAR (YES	JNG?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	9	9		Soil	•				Y	√ N	
	9	21	12		Clay: wht, off wht, :	smth-sl	ty			Y	√ N	
	21	44	23		Clay: rd, brn, sity		-			Y	<b>√</b> N	
	44	64	20		Clay: wht-off wht, s		ly			Y	√ N	
	64	85	21		Clay: di rd, smth, s	sme sity	, ,			Y	✓ N	
Ľ	85	94	9	Conglomerate:	brn, brn, yel brn, mott	brn, cal	с, угу п	ough drilling		✓ Y	N	100.00
I HYDROGEOLOGIC LOG OF WELL										Y	N	
OF V					•• • • •					Y	N	
00										Y	N	·····
ICL					· · · · · · · · · · · · · · ·					Y	N	
00				,. ,						Y	N	
EOI		· · · · ·				·	•	·····	· • •	Y	N	
SOG	· · · · · · · · · · · · · · · · · · ·						· · · · · · ·	· · ·=····		Y	N	
								- · · · · · · · · · · · · · · · ·		Y	N	
4.1										Y	 N	
										Y	N	
					•••••••••••					Y	N	
										Y	N	······································
		· · · -		····						Y	N	
										Y	N	
								·····		Y	N	· · · · ·
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		· · ·		ΤΟΤΑΙ	L ESTIN	ATED	
		> 🔽 A	IR LIFT	BAILER OT	HER – SPECIFY:				WELL	, YIELD	) (gpm):	100.00
NOIS	WELL TES			ACH A COPY OF DAT ME, AND A TABLE SH								
ISIV	MISCELLA	NEOUS INI	FORMATION:	ell is limited by casin	a size to 100 Gram	Water	ic ven	noor qualit				·
PER			**	en is minicu by casin		water	15 4013	poor quan	у.			
ns :												
RIC												
TEST; RIG SUPERVI	PRINT NAN	(F(S) OF D	RILL RIG SUPE	VISOR(S) THAT PRO	VIDED ONSITE SUP	ERVIS	ION OF	WELL CON	STRUC		THER TH	IAN LICENSEE:
5. T												
	BY SIGNIN	G BELOW	, I CERTIFY TH	AT TO THE BEST O WELL. I ALSO CERT	F MY KNOWLEDGE		BELIE	F, THE FOR	EGOIN	G IS A	TRUE A	ND CORRECT
URE				WITH THE PERMIT F								
SIGNATURE			_									
SIG	(	7-	_		CE Taylor					12/2	/2019	
6.		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME	·	-				DATE	
	COSE INTER		21.1		POD NO	,	1		LL REC	ORD &	LOG (Ve	rsion 04/30/2019)
	E NO.	C-4	364		POD NO.	, 		TRN NO.	45	<b>G6</b>	/ 7	DACE DOED
	CATION						WELL	TAG ID NO.				PAGE 2 OF 2



## APPENDIX C

Photographic Documentation

Receiged by OCD: 1/15/2025 8:14:20 AM

Project: South Carlsbad Condensate Release Entity: Enterprise Field Services, LLC Incident ID: nAPP2427863203



-Page 51 of 78

ENSOLUM

View of initial release impact area, facing southeast (11/13/24). \*Please note: GPS coordinates in the photo are incorrect due to an error with the application utilized in the field not updating it's location prior to photo collection.



View of initial release impact area, facing south (11/13/24). \*Please note: GPS coordinates in the photo are incorrect due to an error with the application utilized in the field not updating it's location prior to photo collection.

Released to Imaging: 4/11/2025 2:13:50 PM

Received by OCD: 1/15/2025 8:14:20 AM







View of release impact extent during soil sampling activities, facing southwest (12/02/24).



View of release impact extent during soil sampling activities, facing northwest (12/02/24).



## APPENDIX D

Table

					Eddy (		sate Releas ces, LLC ⁄lexico					
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	I Conservation D Soils Impacted b (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
				C	omposite Impact	Extent Sample	Analytical Res	ults				
CS01	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
CS02	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	240
				Gi	ab Delineation S	tepout Sample	Analytical Res	sults				
DS01	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
DS02	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
DS03	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
DS04	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
DS05	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
DS06	12/02/2024	0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	272

<0.150

<0.150

< 0.300

< 0.300

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

352

240

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

DS07

DS08

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

12/02/2024

12/02/2024

0.25

0.25

< 0.050

<0.050

< 0.050

<0.050

< 0.050

<0.050

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



December 06, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SOUTH CARLSBAD CONDENSATE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/02/24 14:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEA!	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: CS 01 0.25 (H247308-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	272	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEA!	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: CS 02 0.25 (H247308-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	<b>93</b> .7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 01 0.25 (H247308-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 02 0.25 (H247308-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	102	200	6.60	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	182	91.0	200	7.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	0						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 03 0.25 (H247308-05)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 04 0.25 (H247308-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	0						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 05 0.25 (H247308-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 06 0.25 (H247308-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 07 0.25 (H247308-09)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:		
Received:	12/02/2024	Sampling Date:	12/02/2024
Reported:	12/06/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CONDENSATE RELEAS	Sampling Condition:	Cool & Intact
Project Number:	03B1226343	Sample Received By:	Alyssa Parras
Project Location:	EDDY COUNTY		

#### Sample ID: DS 08 0.25 (H247308-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2024	ND	1.85	92.5	2.00	2.68	
Toluene*	<0.050	0.050	12/04/2024	ND	1.91	95.4	2.00	1.27	
Ethylbenzene*	<0.050	0.050	12/04/2024	ND	1.94	97.2	2.00	0.264	
Total Xylenes*	<0.150	0.150	12/04/2024	ND	5.84	97.3	6.00	0.375	
Total BTEX	<0.300	0.300	12/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/04/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	209	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	194	96.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

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

#### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 1/15/2025 8:14:20 AM



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC				BILL TO ANALYSIS REQUEST																		
Project Manager: Beaux Jennings TC, Kelly Lowery			BILL TO ANALYSIS REQUEST																			
Address Cod Mar : China Country			Company: Oxy USA Inc 4																			
City: Midland		State: TX	Zin	79701																		
Phone #: 210-2	19-8858	Fax #:	Zip.	. / 9/01					Dittrich	7	1											
	B1226343						ddres	s:			1											
							ity:				1											
Project Name.	South Carls	shad (one	lens	satek	elea		tate:		Zip:													
Froject Locatio	n:Eddy Coun	144				P	hone #	1: 57	5-390-282	8 67												
Sampler Name: FOR LAB USE ONLY	Tabitha G	madian				_	ax #:														_	
TON EAD USE ONET			<u>.</u>		IATRI		PRES	SERV.	SAN	IPLING			2			16						
			(G)RAB OR (C)OMP										nloride		N	4-1						
Lab I.D.	Sample I.D.	Depth	(C)	# CONTAINERS GROUNDWATER WASTEWATER							×	-	2		\'							
Lab I.D.	Sample I.D.	(feet)	В.	MA NA		ш.	E SE	ž			TEX	-	2									
			₹B	NUC STE		DG	C B	5 8				0	C									
Hay 7308			(Ĵ	MA:	SOIL	SLUDGE OTHER :	ACID/BASE:	OTHER :	DATE	TIME	B	F	$\overline{\bigcirc}$						1			
	CSO	0.25	C	(	X		X		12/2/24	(	X	V	x						27			-
Ó	CSOZ			1					121210		V	XX	×					121	-			
2	DSOI			1						1002	$\hat{\mathbf{\nabla}}$	~	X				1	r'				
Ч	DSOZ		HH	1				+			5		~									
5	DSU3		HH	1						1006	$\mathbf{x}$	× ×	X					$\setminus$				
6	DSOY			1						100 8	×	x						$-\gamma$	_			
Í	DSOJ			1						100'	X	x	X			_						
8	DS06			1						1012	X	~	X			-		-+		The	7	
9	DSOT	(		1						1016	x	x	x		-			-+				_
10	DSOB	V	V	1					1	1018	x	Ŷ	Ŷ	-	-			-+		$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$		_
	d Damages. Cardinal's liability and g those for negligence and any other indinal be liable for incidental or con-									by the client for t		/								X		
												Ð								`		
Relinguished By	g out of or related to the performan	Date:	Rece	eived By:	er such cla	aim is bas	ed upon an	y of the	above stated rea													
12/2/24			Verbal Result: All Results are			are em	ult:  Yes No Add'I Phone #: are emailed. Please provide Email address:															
Time: ILIA Time:						201 (0)																
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Released to Imaging: 4/11/2025 2:13:50 PM

From:	Velez, Nelson, EMNRD
To:	Feather, David
Cc:	Dunaway, Robert; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject:	Re: [EXTERNAL] Extension Request nAPP2427863203
Date:	Monday, December 23, 2024 12:32:12 PM
Attachments:	<u>imaqe001.pnq</u> <u>Outlook-1fhqq4a5.pnq</u>

[Use caution with links/attachments]

Good afternoon David,

Your 14-day time extension request is approved. Remediation Due date updated to January 16, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau   EMNRD - Oil Conservation Division
1000 Rio Brazos Road   Aztec, NM 87410
(505) 469-6146   nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, December 23, 2024 8:23 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request nAPP2427863203

From: Feather, David <DFeather@eprod.com>
Sent: Monday, December 23, 2024 7:41 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dunaway, Robert <rhdunaway@eprod.com>
Subject: [EXTERNAL] Extension Request nAPP2427863203

You don't often get email from <u>dfeather@eprod.com</u>. <u>Learn why this is important</u>

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern:

Enterprise is requesting a 14 day extension from January 2, 2025 until January 16, 2025 to allow for administrative review and completion of the remediation recently completed at the site for the final C141. Your consideration is appreciated.

Thank you,

David Feather Senior Environmental Scientist 303 W Wall St, Midland TX 79701 Office: (432)681-8951 | Cell: (432)222-8597 dfeather@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

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

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QUESTIONS

Action 420712

QUESTIONS				
Operator:	OGRID:			
Enterprise Field Services, LLC	241602			
PO Box 4324	Action Number:			
Houston, TX 77210	420712			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

#### QUESTIONS

erequisites				
Incident ID (n#)	nAPP2427863203			
Incident Name	NAPP2427863203 SOUTH CARLSBAD COMPRESSOR STATION @ 0			
Incident Type	Release Other			
Incident Status	Remediation Closure Report Received			
Incident Facility	[fAPP2122928745] Enterprise Carlsbad GS			

#### Location of Release Source

Please answer all the questions in this group.

Site Name	SOUTH CARLSBAD COMPRESSOR STATION
Date Release Discovered	10/04/2024
Surface Owner	Private

#### Incident Details

Please answer all the questions in this group.					
Incident Type	Release Other				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.					
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Not answered.				
Is the concentration of chloride in the produced water >10,000 mg/l	No				
Condensate Released (bbls) Details	Cause: Equipment Failure   Valve   Condensate   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.				
Natural Gas Vented (Mcf) Details	Not answered.				
Natural Gas Flared (Mcf) Details	Not answered.				
Other Released Details	Not answered.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Operator discovered a packing failure on a valve on the condensate lines within the facility. Immediately isolated and drained the line, to allow the valve to be repaired.				

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

QUESTIONS, Page 2

Action 420712

QUESTIONS (co	ntinued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 MMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: David Feather Title: Contractor Email: dfeather@eprod.com Date: 10/21/2024	

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

**QUESTIONS** (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	Νο
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 300 and 500 (ft.)
Any other fresh water well or spring	Between 300 and 500 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination ass	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	384	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	0	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	10/04/2024	
On what date will (or did) the final sampling or liner inspection occur	12/02/2024	
On what date will (or was) the remediation complete(d)	12/02/2024	
What is the estimated surface area (in square feet) that will be reclaimed	426	
What is the estimated volume (in cubic yards) that will be reclaimed	4	
What is the estimated surface area (in square feet) that will be remediated	426	
What is the estimated volume (in cubic yards) that will be remediated	4	
These estimated dates and measurements are recognized to be the best guess or calculation at the tim	ne of submission and may (be) change(d) over time as more remediation efforts are completed.	

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 420712

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

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QUESTIONS, Page 4

Action 420712

**QUESTIONS** (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Remediation Plan (continueu)		
Please answer all the questions that apply or are indicated. This information must be provided to the		
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.	
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.	
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: David Feather Title: Contractor Email: dfeather@enrod.com	

Email: dfeather@eprod.com

Date: 01/15/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 420712

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Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο	

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

QUESTIONS, Page 6

Action 420712

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**QUESTIONS** (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	405717
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all r	ation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	426	
What was the total volume (cubic yards) remediated	4	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	426	
What was the total volume (in cubic yards) reclaimed	4	
Summarize any additional remediation activities not included by answers (above)	N/A	
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for relea- the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report		
1	Name: David Feather	

Email: dfeather@eprod.com Date: 01/15/2025	I hereby agree and sign off to the above statement	<b>S</b> 1	
		246.0110/2020	

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

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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Action 420712

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	420712
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By		Condition Date
nvelez	None	4/11/2025

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Action 420712