TAYLOR D 3 BATTERY
(CLOSEST WELL: TAYLOR D #003)
CLOSURE REPORT/DEFERRAL REQUEST

API NO. 30-025-39400
RELEASE DATE: 12/14/2019
INCIDENT ID: NCS2003151765
U/L G, SECTION 09, TOWNSHIP 17S, RANGE 32E
LEA COUNTY, NEW MEXICO

September 1, 2020

PREPARED BY:

#7 COMPRESS ROAD
ARTESIA, NM 88210

September 1, 2020

State of New Mexico Energy Minerals and Natural Resources Department
Oil Conservation Division – District II
C/O Mike Bratcher, Robert Hamlet, Victoria Venegas, Cristina Eads
811 S. First Street
Artesia, NM 88210

Spur Energy Partners
C/O Braidy Moulder
919 Milam Street Suite 2475
Houston, TX 77002

RE: Taylor D3 Battery – Closure Report/Deferral Request
Date of Release: December 14, 2019
API No. 30-025-39400
U/L G, Section 09, Township 17S, Range 32A

To Whom it May Concern:

Spur Energy Partners has retained ESS (Energy Staffing and Services), Environmental & Regulatory Division to address the environmental compliance issues concerning the release detailed herein. Below you will find the site-specific information concerning the delineation and liner clean-up process that has taken place at the Taylor D3 Battery.

SITE BACKGROUND

This site is located in Lea County, New Mexico; .48 miles southwest of Maljamar, New Mexico. The release was caused due to the sight glass breaking on the heater treater. The release was contained inside of the lined containment, no fluid was released outside of the facility containment. Approximately 10bbls of fluid was released and 8bbls was recovered. The C141 was submitted on December 14th of 2019 and approved by the NMOCD on January 31, 2020.

GENERAL SITE CHARACTERISTICS

ESS conducted an extended groundwater study of the area, it has been determined that according to the New Mexico Office of the State Engineer, the depth of groundwater is between 125'bgs and 132'bgs. The closest well to the site with viable groundwater data is

labelled L 13050 POD1. Please see the list below for groundwater wells found within 1500' from the site.

RA 08855 – 888' (0.16 miles) from the site, drilled in 1994 with no groundwater data
L 13050 POD1 – 1338' (0.25 miles) from the site, drilled in 1961 with the depth of 132'bgs
RA 12436 POD1 – 1416' (0.268 miles) from the site, drilled in 2017, with the depth of 125'bgs

Using the Table I, Closure Criteria for Soils Impacted by a Release dated 8/14/2018, this site falls under the site ranking of >100'bgs. Please see the chart below for the sampling criteria for this site:

Closure Criteria for Soil NMAC 19.15.29			
Depth	**Constituent**	**Method**	**Limit**
>100 feet	Chloride	EPA 300.0 OR SM4500 CL B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method	2,500 mg/kg
	GRO + DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

DISTANCE TO NEAREST POTABLE WATER WELL

Based on the review of the NMOSE Database, registered potable water wells are not present within .5 miles of the site. The closest well with viable with data in the last 25 years is RA 12436 POD1 measures approximately .84 miles according to Google Earth but .268 miles according to the NMOSE. As seen on the OSE Map, there are several wells that do not pull up on the NMOSE and are listed below:

RA 09126 – drilled in 1996 (domestic well) 0.39 miles from site, with no groundwater data
RA 08855 – drilled in 1994 (domestic well) 0.51 miles from site, with no groundwater data
RA 11734 POD1 drilled in 1950 (domestic & livestock well) 0.83 miles from the site, with no groundwater data
L 03033 – drilled in 1948 (City or County well) 0.95 miles from site, with no groundwater data
L 04021-POD3 – drilled in 1999 (City or County well) 1.04 miles from site, with no groundwater data

With the information provided, it is safe to say that groundwater will not be a factor for this site. Please see the OSE POD Map attached to this report.

DISTANCE TO NEAREST SURFACE WATER

Brantley Lake near Lakewood is the closest surface water to the Taylor D3 Battery. It is approximately 40 miles southwest of the site.

SOIL CHARACTERISTICS

According to the USDA Resources Conservation Service, the soil survey indicates the following (please see soil map attached):

7.6% Kermit-Wink Complex, 0 to 3 percent slopes
22.8% Ratliff-Wink fine sandy loams
69.5% Pyote and Maljamar fine sands

KARST CHARACTERISTICS

ESS evaluated data from the NMOCD Share-Point for Karst Map Designations in reference to the Taylor D3 Battery. This site appears to be in the Low Karst Risk Area. Based on the site observations with the extent of the release margins, the potential for Karst formations in this area is of "low potential". With the information provided in this report, Karst is not a factor in determining the site characterization. Closure criteria will remain in the >100' determination.

SOIL REMEDIAL/LINER ACTION LEVELS

ESS has provided sufficient data that this produced water release has impacted soil for the Taylor D3 Battery release and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD (New Mexico Oil Conservation Division) Closure Criteria for Soils Impacted by a Release, dated August 14, 2018.

The guidance document provides direction for Spur Energy's initial response actions, site assessment, sampling procedures conducted by ESS Staff, we would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in air tight glass jars supplied by the laboratory to conduct the analysis

- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship sample to the lab for analysis following the chain of custody procedures

The following lab analysis method was used for each bottom hole and side wall sample submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015D – GRO

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

- Chloride

RELEASE INVESTIGATION DATA EVALUATION

On December 16th, 2019 of Hungry-Horse LLC was dispatched out to the Taylor D3 Battery to complete a site assessment. Initial photos were taken of the release which was contained inside the line facility. The soil on-top of the liner was hand excavated and hauled to Lea Landfill for disposal. Approximately 35.02 tons of contaminated soil from above the liner was hauled to disposal. Soil was not replaced to cover the liner waiting liner inspection and patching. Emails to the OCD are were not available by Hungry-Horse for liner inspection request. Several puncture holes were found during the liner inspection and noted in photographs.

On August 25th of 2020, ESS arrived on site to cut three 1' x 1' holes in the liner to delineate vertically to determine if the liner had been compromised. Three different areas were field tested under the patched liner. SP1 and SP2 were field tested to 3'bgs with no indication that the soil had been impacted. On SP3, crew's hand-augured to a depth of 6'bgs. At 4'bgs, chlorides dropped below 600 mg/kg chlorides with no indication of TPH. Therefore, a total of three consecutive field samples, depths 4', 5' and 6' ranged from 0 mg/kg to 240 mg/kg on chlorides with no detection of volatiles. Immediately following the delineation process, crews patched and sprayed the liner. The soil samples were sampled using 1' intervals by use of hand auger. ESS crews also obtained a background sample of the site which came back at 23.9 mg/kg

chlorides with no indication of BTEX or TPH. The field samples were tested in the field using the Titration Method for chlorides and volatiles in the soil by use of a PID Meter. All the other compromised areas were also patched and sprayed by ESS.

Below you will find the vertical delineation sample data along with the confirmed lab analysis (in yellow). Each bottom hole sample was jarred, labelled and sent to Envirotech Laboratory for confirmation:

SP ID	Depth	Titration	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	240	ND						
	1'	160	ND						
	2'	160	ND						
	3'	ND	ND	ND	ND	ND	ND	ND	ND
SP2	SURFACE	240	ND						
	1'	240	ND						
	2'	160	ND						
	3'	60	ND	ND	ND	ND	ND	ND	35.2
SP3	SURFACE	1360	ND						
	1'	3600	ND						
	2'	>4000	ND						
	3'	1200	ND						
	4'	240	ND						
	5'	160	ND						
	6'	ND	ND	ND	ND	ND	ND	ND	ND
BACKGROUND									
BG	SURFACE	30	ND	ND	ND	ND	ND	ND	23.9

As seen in the chart above, the integrity of the liner has been compromised and has caused there to be impacted soil beneath the liner.

The impacted soil found in the SP3 area will need to remediated after the facility has been decommissioned and the wells are plugged.

SCOPE OF WORK AND LIMITATIONS

The scope of our services consisted of the review of Hungry-Horse's site assessment, liner washing and the sampling procedure conducted under the liner and the patching of the areas that were sampled by ESS, as well as the regulatory liaison and preparation of this closure

report. All work has been performed in accordance with the NMCOD Rules and Regulations for Spills and Releases dated August 14th, 2008 (19.15.29 NMAC).

On behalf of Spur Energy Partners and Energy Staffing Services, we respectfully request closure of the release that occurred on the Taylor D3 Battery. With the understanding that a deferral is needed due to the compromised liner sampling that was conducted. The contamination under the liner which cleaned up in the 4' to 6'bgs, proper patching of the liner and depth to ground water indicates that water will not be impacted by leaving the contamination under the liner. When the site has been plugged and abandoned further delineation and remediation will be needed to close out this site for the Taylor D3 Battery release that occurred on December 14, 2019.

If you have any questions or concerns, please feel free to contact me at any time, you can find my contact information below.

Sincerely,

Natalie Gladden
Director of Environmental and Regulatory Services
#7 Compress Road
Artesia, NM 88210
Cell: 575-390-6397
Email: natalie@energystaffingllc.com

Attachments:

- Initial C141
- Groundwater Data & Map
- OSE POD Map
- Soil Map and Information
- Karst Map
- Delineation Sample Data & Sample Map
- Lab Analysis
- Site Photos
- Final C141

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NCS2003151765
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **SPUR ENERGY PARTNERS**	OGRID **328947**
Contact Name **KENNY KIDD**	Contact Telephone **575-616-5400**
Contact email **kkidd@spurepllc.com**	Incident # *(assigned by OCD)*
Contact mailing address **919 MILAM STREET SUITE 2475 HOUSTON TEXAS 77002**	

Location of Release Source

Latitude **32.8502922** Longitude **-103.7683029**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **TAYLOR D3 BATTERY (Taylor D #003)**	Site Type **OIL & GAS**
Date Release Discovered **12-14-19**	API# **30-025-394000**

Unit Letter	Section	Township	Range	County
G	**09**	**17S**	**32E**	**LEA**

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) **10BBLS**	Volume Recovered (bbls) **8BBLS**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

SIGHT GLASS BROKE ON HEATER TREATER CAUSING RELEASE INTO A LINED CONTAINMENT.

State of New Mexico
Oil Conservation Division

Incident ID	NCS2003151765
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: **NATALIE GLADDEN** Title: **ENVIRONMENTAL AND REGULATORY DIRECTOR**

Signature: Natalie Gladden Date: 12/26/19

email: **NGLADDEN@HUNGRY-HORSE.COM** Telephone: **575-390-6397**

OCD Only

Received by: Cristina Eads Date: 02/06/2020

New Mexico Office of the State Engineer

Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 08855		RA	LE		4	1	1	10	17S	32E	616061	3635742*	888	07/28/1994	08/04/1994	08/10/1994	158		J & K DRILLING	1235

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 615257.63 **Northing (Y):** 3635362.58 **Radius:** 1000

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

New Mexico Office of the State Engineer
Wells with Well Log Information

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
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(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Subbasin	County	Source	q 64	q 16	q 4	Sec	Twn	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 08855		RA	LE		4	1	1	10	17S	32E	616061	3635742*	888	07/28/1994	08/04/1994	08/10/1994	158		J & K DRILLING	1235
L 13050 POD1		L	LE	Shallow	2	2	1	10	17S	32E	616463	3635945*	1338	12/23/1961	01/01/1962	01/18/1962	156	132	ALDREDGE, C.O.	79
RA 12436 POD1		RA	LE	Shallow	2	2	1	10	17S	32E	616556	3635929	1416	01/04/2017	01/09/2017	01/13/2017	160	125	TAYLOR, ROY A.	1626
L 04021 POD3		L	LE	Shallow	1	1	4	03	17S	32E	616657	3636766	1981	07/28/1999	07/28/1999	08/30/1999	247		ALAN EADES	1044
L 04021 S		L	LE	Shallow	4	3	2	03	17S	32E	616891	3637021	2327	01/21/2002	01/24/2002	02/05/2002	260		ALAN EADES	1044
L 13047 POD1		L	LE					11	17S	32E	618187	3635254*	2931		09/10/1947	01/13/1959	140		BURKE	
L 03980 S		L	LE	Shallow	4	4	4	02	17S	32E	618870	3636170*	3701	09/21/1962	10/12/1962	11/07/1962	255	179		79
RA 12521 POD1		RA	LE	Shallow	3	3	4	21	17S	32E	615127	3631271	4093	07/21/2017	07/26/2017	08/22/2017	105	92	WHITE, JOHN W	1456
RA 12042 POD1		RA	LE		2	2	1	28	17S	32E	614891	3631181	4197	11/13/2013	11/22/2013	12/12/2013	400		CRASS, DARRELL (LD)	1261
RA 12522 POD1		RA	LE	Shallow	3	3	4	21	17S	32E	614941	3631122	4252	07/25/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 12522 POD2		RA	LE	Shallow	2	2	1	28	17S	32E	614949	3631098	4275	07/24/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 12522 POD3		RA	LE	Shallow	4	4	3	28	17S	32E	614980	3631093	4277	07/20/2017	07/26/2017	08/22/2017	100		WHITE, JOHN W	1456
RA 12020 POD3		RA	LE	Shallow	2	1	2	28	17S	32E	615152	3631019	4344	07/13/2015	07/15/2015	08/10/2015	112	83	WHITE, JOHN W	1456
RA 10175		RA	LE	Shallow		2	1	28	17S	32E	614814	3631005*	4380	02/04/2002	02/04/2002	03/06/2002	158		EADES, ALAN	1044
L 03980 S2		L	LE	Shallow	3	2	3	01	17S	32E	619470	3636581*	4385	02/18/1960	03/03/1960	03/25/1960	225	175		79
RA 12020 POD1		RA	LE	Shallow	2	2	1	28	17S	32E	614828	3630954	4428	09/24/2013	09/25/2013	10/07/2013	120	81	WHITE, JOHN (LD)	1456
L 04737 POD3		L	LE	Shallow		3	3	36	16S	32E	619048	3637777	4493	01/17/2014	01/20/2014	03/20/2014	304	214	BILL W. WHALEY	1472
L 03587		L	LE	Shallow	1	2	4	35	16S	32E	618647	3638383*	4539	06/08/1959	06/22/1959	07/09/1959	282	210	ALDREDGE, C.O.	79
L 06400		L	LE	Shallow	1	3	3	36	16S	32E	619054	3637985*	4614	12/10/1968	12/13/1968	03/05/1969	330		BOB CRANE	
L 03587 S		L	LE	Shallow	3	4	2	35	16S	32E	618642	3638586*	4673	01/02/1962	01/28/1962	02/12/1962	269	215	ALDREDGE, C.O.	79
RA 12721 POD2		RA	LE	Shallow	1	1	4	28	17S	32E	615055	3630407	4959	04/18/2019	04/19/2019	05/15/2019	124	75	JOHN W WHITE	1456
RA 11911 POD1		RA	LE	Shallow	1	3	1	24	17S	32E	619192	3632296	4987	06/11/2013	06/11/2013	06/21/2013	35		NORRIS, JOHN D. (LD)	1682

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 615257.63 **Northing (Y):** 3635362.58 **Radius:** 5000

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 08855	4	1	1	10	17S	32E	616061	3635742*

Driller License:	1235	**Driller Company:**	J & K DRILLING COMPANY		
Driller Name:	J & K DRILLING				
Drill Start Date:	07/28/1994	**Drill Finish Date:**	08/04/1994	**Plug Date:**	
Log File Date:	08/10/1994	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	158 feet	**Depth Water:**	

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	L 13050 POD1	2	2	1	10	17S	32E	616463	3635945*

Driller License:	79	**Driller Company:**	ALDREDGE, D.O.		
Driller Name:	ALDREDGE, C.O.				
Drill Start Date:	12/23/1961	**Drill Finish Date:**	01/01/1962	**Plug Date:**	
Log File Date:	01/18/1962	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	156 feet	**Depth Water:**	132 feet

Water Bearing Stratifications:	Top	Bottom	Description
	132	156	Other/Unknown

Casing Perforations:	Top	Bottom
	136	156

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 12436 POD1	2	2	1	10	17S	32E	616556	3635929

Driller License:	1626	**Driller Company:**	TAYLOR, ROY ALLEN		
Driller Name:	TAYLOR, ROY A.				
Drill Start Date:	01/04/2017	**Drill Finish Date:**	01/09/2017	**Plug Date:**	
Log File Date:	01/13/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	5.00	**Depth Well:**	160 feet	**Depth Water:**	125 feet

Water Bearing Stratifications:	Top	Bottom	Description
	78	147	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	160

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 09126	2	2	2	09	17S	32E	615659	3635938*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

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

Casing Size: **Depth Well:** **Depth Water:**

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11734 POD1	2	2	1	10	17S	32E	616556	3635929

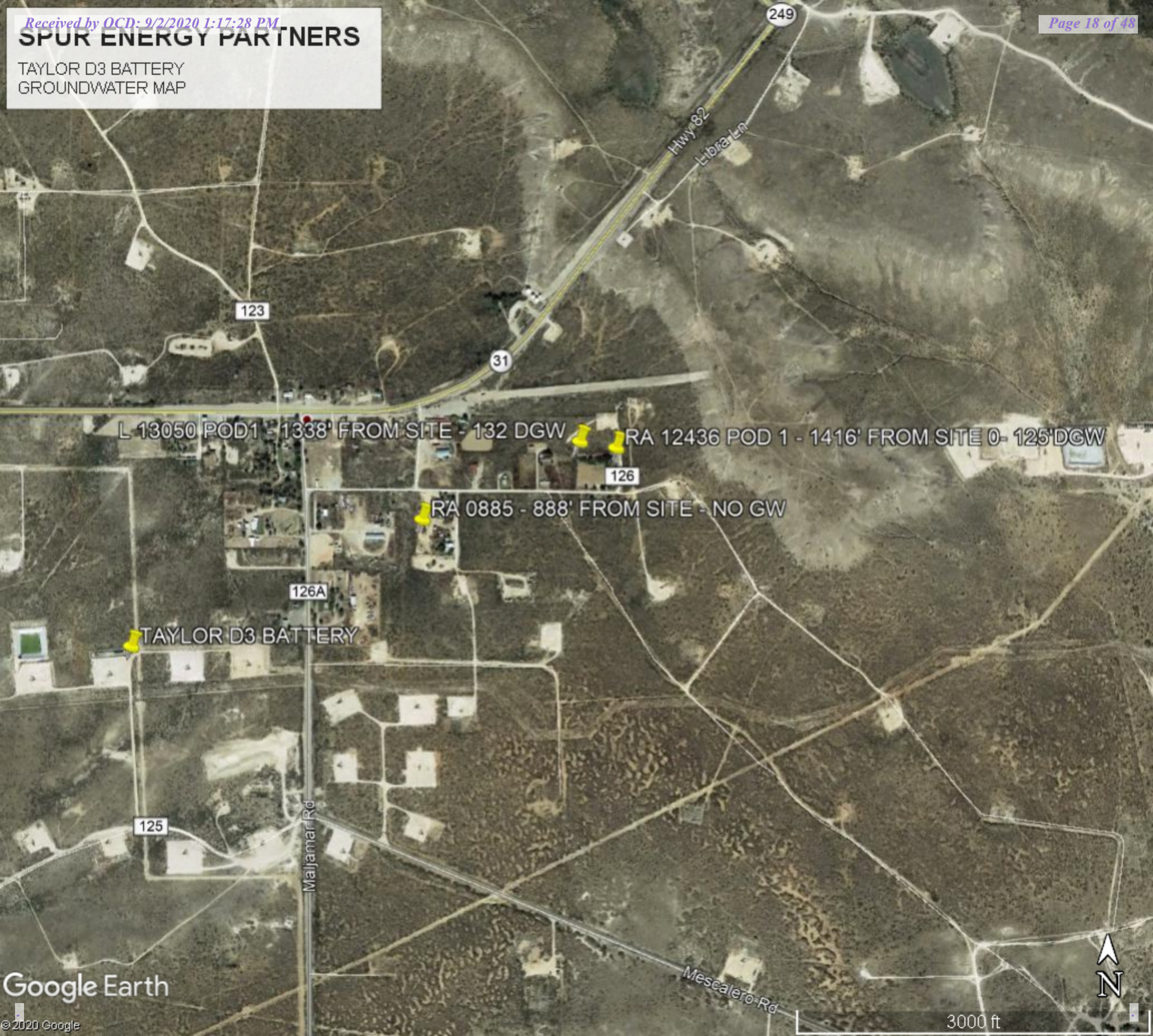
Driller License: **Driller Company:**

Driller Name: UNKNOWN

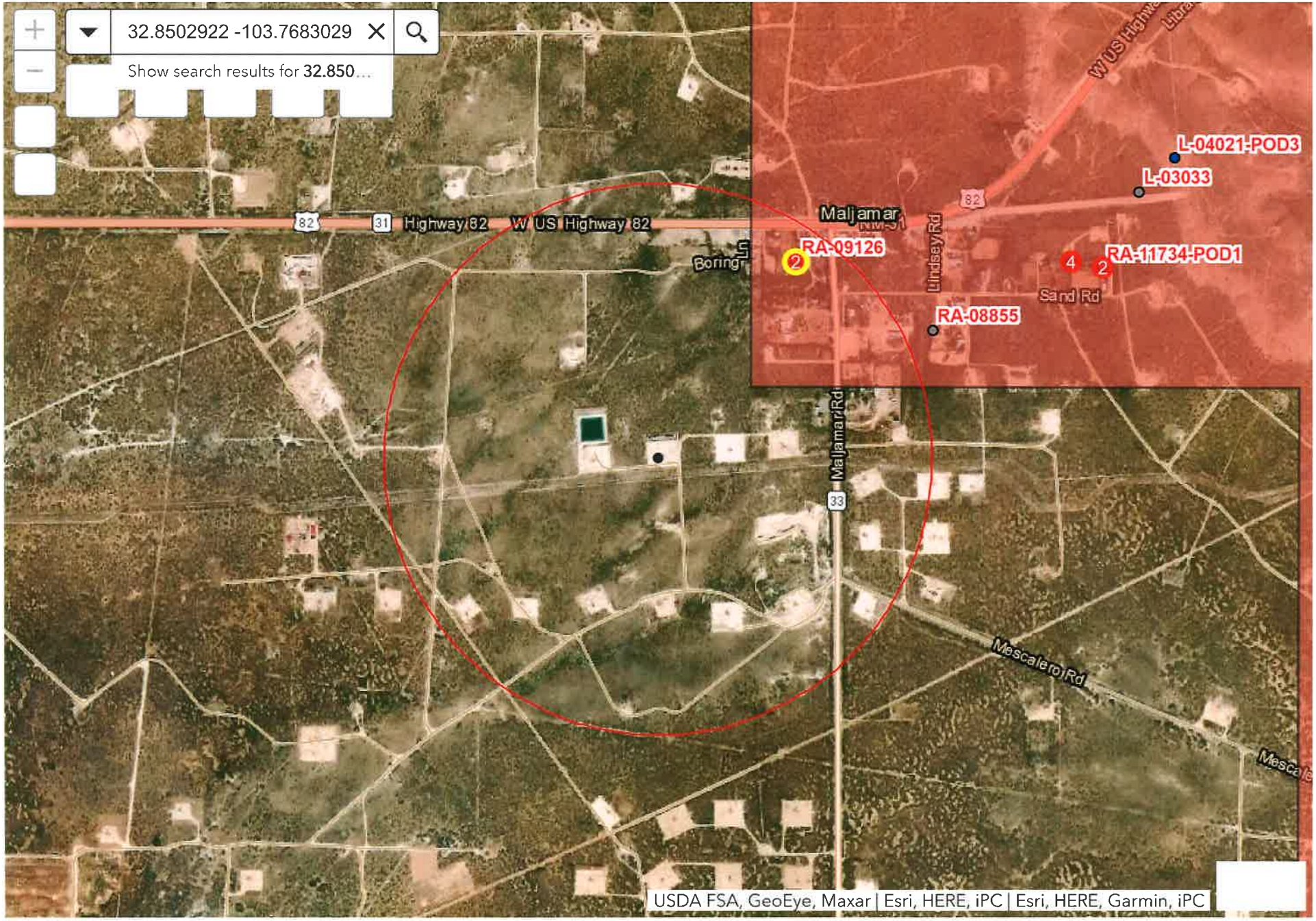
Drill Start Date:		**Drill Finish Date:**	12/31/1950	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.50	**Depth Well:**	165 feet	**Depth Water:**	

SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY
GROUNDWATER MAP



OSE POD Locations Points of Diversion visible at 1:119,000 with 1,000 features per view Water Rights Look Up



1:18055

0.3mi

-103.769 32.854 Degrees

Soil Map—Lea County, New Mexico
(TAYLOR D3 BATTERY)

Map Scale: 1:1,880 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Soil Map—Lea County, New Mexico
(TAYLOR D3 BATTERY)

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 17, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KE	Kermit-Wink complex, 0 to 3 percent slopes	1.0	7.6%
MN	Ratliff-Wink fine sandy loams	2.9	22.8%
PU	Pyote and Maljamar fine sands	8.9	69.5%
Totals for Area of Interest		**12.8**	**100.0%**

SPUR ENERGY

TAYLOR D3 BATTERY
DOR: 12.14.19
KARST MAP: LOW

Legend
- High
- Low
- Medium
- TAYLOR D3 BATTERY

Hagerman
172
249
82
Lovington
Lea
TAYLOR D3 BATTERY
Artesia
285
Atoka
62
Google Earth
© 2019 Google
Image Landsat / Copernicus
N
10 mi

Company Name: SPUR ENERGY **Location Name:** TAYLOR D3 BATTERY **Release Date:** 12/14/2019

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURFACE	240	ND								Under liner
	1'	160	ND								
	2'	160	ND								
	3'	ND	ND	ND	ND	ND	ND	ND	ND		
SP2	SURFACE	240	ND								Under liner
	1'	240	ND								
	2'	160	ND								
	3'	60	ND	ND	ND	ND	ND	ND	35.2		
SP3	SURFACE	1360	ND								Under Liner
	1'	3600	ND								
	2'	>4000	ND								
	3'	1200	ND								
	4'	240	ND								
	5'	160	ND								
	6'	ND	ND	ND	ND	ND	ND	ND	ND		

BACKGROUND

BG	SURFACE	30	ND	ND	ND	ND	ND	ND	23.9		

SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY
SAMPLE MAP

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Analytical Laboratory

Analytical Report

Report Summary

Client: Spur

Samples Received: 8/27/2020

Job Number: 20046-0001

Work Order: P008091

Project Name/Location: Taylor D #3

Report Reviewed By: Walter Hinchman Date: 8/28/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background	P008091-01A	Soil	08/25/20	08/27/20	Glass Jar, 4 oz.
SP1 3'	P008091-02A	Soil	08/25/20	08/27/20	Glass Jar, 4 oz.
SP2 3'	P008091-03A	Soil	08/25/20	08/27/20	Glass Jar, 4 oz.
SP3 6'	P008091-04A	Soil	08/25/20	08/27/20	Glass Jar, 4 oz.

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Background
P008091-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035024
Benzene	ND	0.0250	1	08/27/20	08/27/20		
Toluene	ND	0.0250	1	08/27/20	08/27/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/27/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/27/20		
o-Xylene	ND	0.0250	1	08/27/20	08/27/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/27/20		
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035024
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/27/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035026
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/27/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/27/20		
Surrogate: n-Nonane		*101 %*	*50-200*	*08/27/20*	*08/27/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035022
Chloride	**23.9**	20.0	1	08/27/20	08/27/20		

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

SP1 3'
P008091-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035024
Benzene	ND	0.0250	1	08/27/20	08/27/20		
Toluene	ND	0.0250	1	08/27/20	08/27/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/27/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/27/20		
o-Xylene	ND	0.0250	1	08/27/20	08/27/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/27/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035024
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/27/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035026
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/27/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/27/20		
Surrogate: n-Nonane		*97.3 %*	*50-200*	*08/27/20*	*08/27/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035022
Chloride	ND	20.0	1	08/27/20	08/27/20		

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

SP2 3'
P008091-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035024
Benzene	ND	0.0250	1	08/27/20	08/27/20		
Toluene	ND	0.0250	1	08/27/20	08/27/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/27/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/27/20		
o-Xylene	ND	0.0250	1	08/27/20	08/27/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/27/20		
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035024
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/27/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035026
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/27/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/27/20		
Surrogate: n-Nonane		*79.3 %*	*50-200*	*08/27/20*	*08/27/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035022
Chloride	**35.2**	20.0	1	08/27/20	08/27/20		

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

SP3 6'
P008091-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035024
Benzene	ND	0.0250	1	08/27/20	08/27/20		
Toluene	ND	0.0250	1	08/27/20	08/27/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/27/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/27/20		
o-Xylene	ND	0.0250	1	08/27/20	08/27/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/27/20		
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035024
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/27/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*50-150*	*08/27/20*	*08/27/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035026
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/27/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/27/20		
Surrogate: n-Nonane		*91.2 %*	*50-200*	*08/27/20*	*08/27/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035022
Chloride	ND	20.0	1	08/27/20	08/27/20		

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035024-BLK1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*50-150*			
LCS (2035024-BS1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Benzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	4.88	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*104*	*50-150*			
Matrix Spike (2035024-MS1)				**Source: P008087-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Benzene	5.30	0.0250	5.00	ND	106	54-133			
Toluene	5.29	0.0250	5.00	ND	106	61-130			
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*50-150*			
Matrix Spike Dup (2035024-MSD1)				**Source: P008087-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Benzene	4.96	0.0250	5.00	ND	99.3	54-133	6.61	20	
Toluene	4.94	0.0250	5.00	ND	98.8	61-130	6.92	20	
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	61-133	6.86	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	7.58	20	
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131	6.90	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	7.36	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.08*		*8.00*		*101*	*50-150*			

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Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035024-BLK1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*90.0*	*50-150*			
LCS (2035024-BS2)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*50-150*			
Matrix Spike (2035024-MS2)				**Source: P008087-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*50-150*			
Matrix Spike Dup (2035024-MSD2)				**Source: P008087-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	5.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*50-150*			

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035026-BLK1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*43.6*		*50.0*		*87.2*	*50-200*			
LCS (2035026-BS1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Diesel Range Organics (C10-C28)	460	25.0	500		91.9	38-132			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*50-200*			
Matrix Spike (2035026-MS1)				**Source: P008091-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Diesel Range Organics (C10-C28)	470	25.0	500	ND	93.9	38-132			
Surrogate: n-Nonane	*37.6*		*50.0*		*75.3*	*50-200*			
Matrix Spike Dup (2035026-MSD1)				**Source: P008091-01**					Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Diesel Range Organics (C10-C28)	467	25.0	500	ND	93.4	38-132	0.551	20	
Surrogate: n-Nonane	*42.4*		*50.0*		*84.7*	*50-200*			

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Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035022-BLK1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Chloride	ND	20.0							
LCS (2035022-BS1)									Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2035022-MS1)									**Source: P008057-01REP** Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Chloride	1240	20.0	250	915	130	80-120			M2
Matrix Spike Dup (2035022-MSD1)									**Source: P008057-01REP** Prepared: 08/27/20 0 Analyzed: 08/27/20 1
Chloride	1160	20.0	250	915	98.8	80-120	6.42	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Analytical Laboratory

Spur	Project Name:	Taylor D #3	
PO Box 1058	Project Number:	20046-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Brady Moulder	08/28/20 13:53

Notes and Definitions

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client:	SPUR Energy
Project:	Taylor B #3
Project Manager:	Brady Moulder
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	ESS
Address:	7w compress rd
City, State, Zip	Artesia NM 88210
Phone:	
Email:	Natalie@energystaffingllc.com

Lab Use Only

Lab WO#	Job Number
P008091	20046000001

TAT

1D	3D
-	

EPA Program

RCRA	CWA	SDWA

State

NM	CO	UT	AZ
-			
TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
2:38	8/25	S	1	Background	1									\				
11:58	8/25			SP1 3'	2									\				
1:25	8/25			SP2 3'	3									\				
2:33	8/25			SP3 6'	4									\				

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Juan Talavera	8/26/20	1240		8.26.2020	1240
	8.26.2020	1656		8/27/20	11:00

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

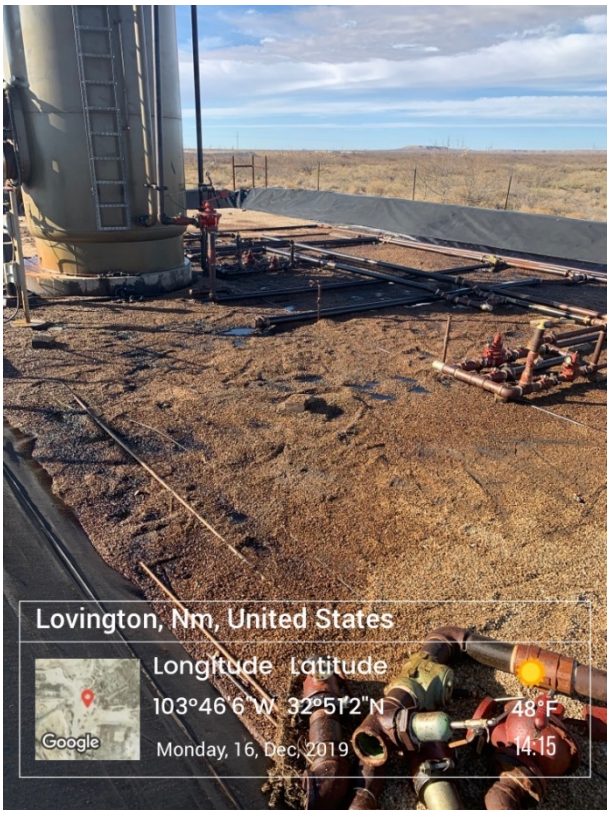
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY – SPILL DATE 12/14/19

BEGINNING PHOTOS



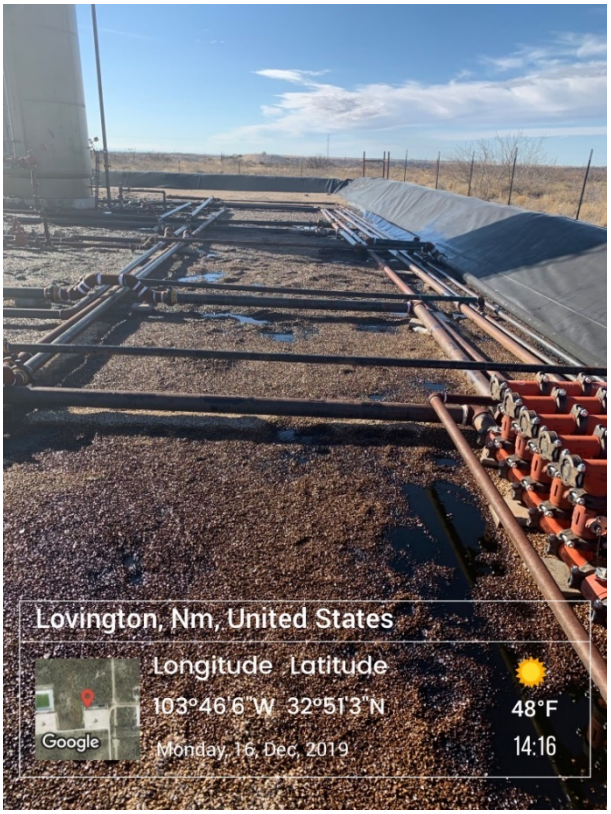
SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY – SPILL DATE 12/14/19

BEGINNING PHOTOS

SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY – SPILL DATE 12/14/19



SPUR ENERGY PARTNERS

TAYLOR D3 BATTERY – SPILL DATE 12/14/19`````

TAYLOR D3 BATTERY
LINER AND FINAL PHOTOS


1:50 PM
TUESDAY, 25 AUG
United States
LONGITUDE -103.7683° 103°46'6"W
LATITUDE 32.8509° N 32°51'3"N


1:50 PM
TUESDAY, 25 AUG
United States
LONGITUDE -103.7685° 103°46'6"W
LATITUDE 32.8508° N 32°51'2"N


1:51 PM
TUESDAY, 25 AUG
United States
LONGITUDE -103.7686° 103°46'7"W
LATITUDE 32.8508° N 32°51'2"N


2:08 PM
TUESDAY, 25 AUG
United States
LONGITUDE -103.7685° 103°46'6"W
LATITUDE 32.8508° N 32°51'2"N

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	125' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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

Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory Services

Signature: Natalie Gladden Date: 9/2/20

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
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Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _Natalie Gladden_____ Title: _Director of Environmental and Regulatory Services_____

Signature: Natalie Gladden Date: 9/2/20

email: _natalie@energystaffingllc.com_____ Telephone: __575-390-6397_____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: _Natalie Gladden_____ Title: _Director of Environmental & Regulatory Services_____

Signature: Natalie Gladden Date: 9/2/20

email: _natalie@energystaffingllc.com__ Telephone: ___575-390-6397_____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____