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

Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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	Below-Grade Tank, or	·!
	lethod Permit or Closure Plan Application	tion
☐ Closure of a pit, below Modification to an e	egistration oposed alternative method ow-grade tank, or proposed alternative method existing permit/or registration ubmitted for an existing permitted or non-permitted p	it, below-grade tank,
TO SERVICE TO SERVICE THE CONTRACT CONTRACT OF THE CONTRACT OF	(Form C-144) per individual pit, below-grade tank or alter	rnative reanest
Please be advised that approval of this request does not relieve the open environment. Nor does approval relieve the operator of its responsibiles.	erator of liability should operations result in pollution of surfac	e water, ground water or the
Operator:EPIC ENERGY, LLC	OGRID#: 372834	
Address:7415 E. Main Street Farmington, NM 87402		
Facility or well name:Horton #002C		
API Number:30-045-31435		
U/L or Qtr/QtrISection22Towns		
Center of Proposed Design: Latitude36.9682808		
Surface Owner: Federal State Private Tribal Trust	or Indian Allotment	
	LLDPE HDPE PVC Other Volume:bbl Dimensions: L Produced Water ewalls, liner, 6-inch lift and automatic overflow shut-off	x Wx D
Alternative Method: Submittal of an exception request is required. Exceptions must		for consideration of approval.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to perm. Chain link, six feet in height, two strands of barbed wire at to institution or church) Four foot height, four strands of barbed wire evenly spaced by	op (Required if located within 1000 feet of a permanent resi	idence, school, hospital,
Alternate. Please specify48" high rebar and hog wire		
Form C-144	Oil Conservation Division	Page I of 6

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(00)	Vetting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Otherexpanded metal Monthly inspections (If netting or screening is not physically feasible)	
	7. Signs: Subsection C of 19.15.17.11 NMAC □ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers □ Signed in compliance with 19.15.16.8 NMAC	
	Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
	Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accommaterial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable source
	General siting Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ⊠ No
	- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	NA Yes No
	Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	NA NA
	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
	Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
	 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
	Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
	Below Grade Tanks	
	Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Mo	Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
2.59.29 PM	Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
		Yes No
OCD-13/15/2020	Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
CD	- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Out borior	Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Roi	Form C-144 Oil Conservation Division Page 2 of	6

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age 3 of	Vithin 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Temporary Pit Non-low chloride drilling fluid	
	Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
	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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
14	Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Permanent Pit or Multi-Well Fluid Management Pit	
	Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
	Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	O NMAC 15.17.9 NMAC
PM	Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	0.15.17.9 NMAC
by 0C		

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Dage	Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dutached.	ocuments are
	Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment	
	 □ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC □ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC □ Quality Control/Quality Assurance Construction and Installation Plan □ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC 	
	 ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan ☐ Emergency Response Plan ☐ Oil Field Waste Stream Characterization 	
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	Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
	Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl Alternative Proposed Closure Method: Waste Excavation and Removal	uid Management Pit
	Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial Alternative Closure Method	
ا]	14.	
	Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	nttached to the
1	15.	
	Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	
	Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
	Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
11	Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
40.00 B	Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
57000013.	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
10/15/0	Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
6	Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
d h 00	Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
0.10	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	
0	Form C-144 Oil Conservation Division Page 4 o	f 6

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dopted pursuant to NMSA 1978, Section 3-27-3, a Written confirmation or verification from the	as amended. he municipality; Written approval obtained from the municipality	☐ Yes ☐ No
- Written confirmation or verification or map	p from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the Society; Topographic map	e design; NM Bureau of Geology & Mineral Resources; USGS; NM Geologic	al ☐ Yes ☐ No
Within a 100-year floodplain FEMA map		☐ Yes ☐ No
by a check mark in the box, that the documents are Siting Criteria Compliance Demonstrations - Proof of Surface Owner Notice - based upon Construction/Design Plan of Burial Trench Construction/Design Plan of Temporary Pite Protocols and Procedures - based upon the are Confirmation Sampling Plan (if applicable) Waste Material Sampling Plan - based upon Disposal Facility Name and Permit Number Soil Cover Design - based upon the appropri	MAC) Instructions: Each of the following items must be attached to the closure attached. - based upon the appropriate requirements of 19.15.17.10 NMAC in the appropriate requirements of Subsection E of 19.15.17.13 NMAC (if applicable) based upon the appropriate requirements of Subsection K of 19 (for in-place burial of a drying pad) - based upon the appropriate requirements of particle requirements of 19.15.17.13 NMAC - based upon the appropriate requirements of 19.15.17.13 NMAC the appropriate requirements of 19.15.17.13 NMAC (for liquids, drilling fluids and drill cuttings or in case on-site closure standardiate requirements of Subsection H of 19.15.17.13 NMAC right requirements of Subsection H of 19.15.17.13 NMAC ropriate requirements of Subsection H of 19.15.17.13 NMAC	.15.17.11 NMAC s of 19.15.17.11 NMAC
17. Operator Application Certification: I hereby certify that the information submitted wit	th this application is true, accurate and complete to the best of my knowledge	and belief.
Name (Print):	E	
	Date:	
	Telephone:	
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18.	ng closure plan) Closure Plan (only) OCD Conditions (see attachme	
18.		
18. OCD Approval: Permit Application (including	ng closure plan)	
18. OCD Approval: Permit Application (including OCD Representative Signature: Title: 19. Closure Report (required within 60 days of closure Instructions: Operators are required to obtain and The closure report is required to be submitted to the submitted to	ng closure plan)	ent)
18. OCD Approval: Permit Application (including OCD Representative Signature: Title: 19. Closure Report (required within 60 days of closs Instructions: Operators are required to obtain and The closure report is required to be submitted to the section of the form until an approved closure plant 20.	ng closure plan) Closure Plan (only) OCD Conditions (see attachmed Approval Date: OCD Permit Number: Sure completion): 19.15.17.13 NMAC In approved closure plan prior to implementing any closure activities and subtitle division within 60 days of the completion of the closure activities. Please in has been obtained and the closure activities have been completed.	ent)
18. OCD Approval: Permit Application (including OCD Representative Signature:	ng closure plan) Closure Plan (only) OCD Conditions (see attachmed Approval Date:	ent) omitting the closure report. on do not complete this
18. OCD Approval: Permit Application (including OCD Representative Signature:	ng closure plan) Closure Plan (only) OCD Conditions (see attachmed Approval Date:	ent) mitting the closure report. e do not complete this losed-loop systems only) lease indicate, by a check
OCD Approval: Permit Application (including OCD Representative Signature: Title: 19. Closure Report (required within 60 days of closs Instructions: Operators are required to obtain and The closure report is required to be submitted to it section of the form until an approved closure plant 20. Closure Method: Waste Excavation and Removal On-Site If different from approved plan, please explain mark in the box, that the documents are attached Proof of Closure Notice (surface owner and Proof of Deed Notice (required for on-site of Plot Plan (for on-site closures and temporary Confirmation Sampling Analytical Results (Waste Material Sampling Analytical Results (Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Re-vegetation Rates R	ng closure plan) Closure Plan (only) OCD Conditions (see attachmed Approval Date:	ent) mitting the closure report. e do not complete this losed-loop systems only) lease indicate, by a check

Form C-144

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perator Closure Certification:	
	this closure report is true, accurate and complete to the best of my knowledge and
elief. I also certify that the closure complies with all applicable clos	sure requirements and conditions specified in the approved closure plan.
Name (Print): Vanessa Fields T	itle:Regulatory Compliance Manager
Signature:	Date:7/22/2020
e-mail address: vanessa@walsheng.net	Telephone: 505-787-9100

Form C-144 Oil Conservation Division Page 6 of 6

Vanessa Fields

From:

Michael Dean <michael.dean@walsheng.net>

Sent:

Friday, May 24, 2019 7:56 AM

To:

'Vanessa'

Subject:

FW: [EXT] RE: Hallador BGT's

From: vern@walsheng.net [mailto:vern@walsheng.net]

Sent: Thursday, December 20, 2018 11:40 AM

To: 'Smith, Cory, EMNRD'; 'Michael Dean'; 'Fields, Vanessa, EMNRD'; 'John Hampton Jr.'

Cc: 'Powell, Brandon, EMNRD'

Subject: RE: [EXT] RE: Hallador BGT's

This is on fee surface and the landowner has been notified.

Thank you, Vern Andrews 505-320-1763 vern@walsheng.net

From: Smith, Cory, EMNRD < Cory. Smith@state.nm.us>

Sent: Thursday, December 20, 2018 10:02 AM

To: Michael Dean <michael.dean@walsheng.net>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; 'Vern

Andrews' <vern@walsheng.net>; 'John Hampton Jr.' <jdhampton@walsheng.net>

Cc: Powell, Brandon, EMNRD < Brandon.Powell@state.nm.us>

Subject: RE: [EXT] RE: Hallador BGT's

Michael,

Tomorrow at 8:30 AM works for me if this is on federal land please make sure you notify the land owner of the sampling event.

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Michael Dean < michael.dean@walsheng.net >

Sent: Thursday, December 20, 2018 10:01 AM

To: Smith, Cory, EMNRD < Cory. Smith@state.nm.us >; Fields, Vanessa, EMNRD < Vanessa. Fields@state.nm.us >; 'Vern

Andrews' <vern@walsheng.net>; 'John Hampton Jr.' <jdhampton@walsheng.net>

Cc: Powell, Brandon, EMNRD < Brandon. Powell@state.nm.us>

Subject: RE: [EXT] RE: Hallador BGT's

That works for me 8:30 am work for you.

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

Sent: Thursday, December 20, 2018 9:36 AM

To: Michael Dean; Fields, Vanessa, EMNRD; Vern Andrews; 'John Hampton Jr.'

Cc: Powell, Brandon, EMNRD

Subject: RE: [EXT] RE: Hallador BGT's

Michael,

OCD Requires 2 business day notification for release confirmation sampling. As I mentioned on the phone earlier it was a possibility that I could make it for sampling today however due to the sampling times and distance between the sites I will not be able to accommodate your request for sampling day. The earliest I can sampling is first thing tomorrow morning would that work for you?

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Michael Dean < michael.dean@walsheng.net >

Sent: Thursday, December 20, 2018 8:22 AM

To: Smith, Cory, EMNRD <Cory, Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Vern

Andrews <vern@walsheng.net>; 'John Hampton Jr.' <jdhampton@walsheng.net>

Subject: [EXT] RE: Hallador BGT's

Cory

We have got the Horton #9 listed below ready for the second sampling after the initial samples did not meet the closer numbers could we set a time for this afternoon please.

Thanks!

From: Michael Dean [mailto:michael.dean@walsheng.net]

Sent: Tuesday, November 27, 2018 8:13 AM

To: 'Smith, Cory, EMNRD'; 'Fields, Vanessa, EMNRD'; Vern Andrews; 'John Hampton Jr.'

Subject: Hallador BGT's

Horton 2A API (30-045-23392)

Horton 2C API (30-045-31435)

Horton 7 API (30-045-21362)

Horton 9 API (30-045-22671)

Horton 2B API (30-045-30160)

I would like to get these pits pulled and sampled Friday November 30, 2018 at 9:00 am on location at the Horton 2B.

Michael L. Dean Walsh Engineering 505-860-0481

Measure the circumference or area of a circle on the ground

32,046.48 Square Feet 100.90 Feet

634.91 Feet

Line Path Polygon Circle 30 path 30 polygon

✓ Mouse Navigation

Horton #002C Sitting Criteria API# 30-045-31435



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

			<u>SJ 03111</u>	SJ 02918	SJ 02848	SJ 02847	SJ 02705	SJ 02704	SJ 00922	SJ 00906 X	SJ 00736	SJ 00340	SJ 00339	POD Number		
														Code		
			SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	SJLP	basin	Sub-	POD
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Maxi	Mini	Average Depth to Water:	4097108*	4096108*	4096695*	4096089*	4096916*	4096916*	4096322*	4096009*	4096403*	4096302*	4096502*	Y		
Maximum Depth:	Minimum Depth:	h to Water				•					•					
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+	+	ť	13	21	558	1255	13	13	15	60	25	38	38	lumn	Water	

Record Count: 11

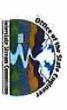
PLSS Search:

Section(s): 22 Township: 32N Range: 13W

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WATER COLUMN/ AVERAGE DEPTH TO WATER



Water Column/Average Depth to Water New Mexico Office of the State Engineer

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

No records found.

PLSS Search:

Section(s):

22

Township: 32N

Range: 11W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/22/20 11:13 AM

DEPTH TO WATER WATER COLUMN/ AVERAGE



Analytical Report

Report Summary

Client: Hallador

Chain Of Custody Number:

Samples Received: 11/30/2018 12:30:00PM

Job Number: 18010-0004

Work Order: P811087 Project Name/

Location: Below Grade Pits Horton 9,2B,2C,7,2A

Report	Reviewed	By:
--------	----------	-----

Walter Himheren

Date:

12/5/18

Walter Hinchman, Laboratory Director

Tim Cain, Project Manager

Date:

12/5/18



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, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

envirotech-inc.com



HalladorProject Name:Below Grade Pits1660 Lincoln St Suite 2700Project Number:18010-0004Reported:Denver CO, 80264Project Manager:Micheal I. Dean12/05/18 16:53

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Horton #9	P811087-01A	Soil	11/30/18	11/30/18	Glass Jar, 4 oz.
Horton 2B	P811087-02A	Soil	11/30/18	11/30/18	Glass Jar, 4 oz.
Horton 2C	P811087-03A	Soil	11/30/18	11/30/18	Glass Jar, 4 oz.
Horton 7	P811087-04A	Soil	11/30/18	11/30/18	Glass Jar, 4 oz.
Horton 2A	P811087-05A	Soil	11/30/18	11/30/18	Glass Jar, 4 oz.



Project Name:

Below Grade Pits

Project Number: Project Manager:

18010-0004 Micheal I. Dean

Reported: 12/05/18 16:53

Horton #9

API# 30-045-22671

			P811087	-01 (Solid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-P1D		101 %	50	-150	1848028	11/30/18	12/01/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1848028	11/30/18	12/01/18	EPA 8015D	
Diesel Range Organics (C10-C28)	808	50.0	mg/kg	2	1848029	11/30/18	12/03/18	EPA 8015D	
Oil Range Organics (C28-C40+)	998	100	mg/kg	2	1848029	11/30/18	12/03/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	50	-150	1848028	11/30/18	12/01/18	EPA 8015D	
Surrogate: n-Nonane		102 %	50	-200	1848029	11/30/18	12/03/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	-T	1849004	12/04/18	12/04/18	EPA 300.0/9056A	



Denver CO, 80264

Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Horton 2B P811087-02 (Solid) API# 30-045-30160

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Toluene	ND .	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-1.	50	1848028	11/30/18	12/01/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1848028	11/30/18	12/01/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1848029	11/30/18	12/04/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1848029	11/30/18	12/04/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	50-1.	50	1848028	11/30/18	12/01/18	EPA 8015D	
Surrogate: n-Nonane		94.8 %	50-20	00	1848029	11/30/18	12/04/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	20.3	20.0	mg/kg	1	1849004	12/04/18	12/04/18	EPA 300.0/9056A	

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envirotech-inc.com laboratory@envirotech-inc.com



Denver CO, 80264

Project Name:

Project Manager:

Below Grade Pits

Project Number:

18010-0004 Micheal I. Dean

API# 30-045-31435

Reported: 12/05/18 16:53

Horton 2C

			87-03 (Sol	lid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-	150	1848028	11/30/18	12/01/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1848028	11/30/18	12/01/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	50-	150	1848028	11/30/18	12/01/18	EPA 8015D	
Surrogate: n-Nonane		93.0 %	50-	200	1848029	11/30/18	12/03/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	I.	1849004	12/04/18	12/04/18	EPA 300.0/9056A	



Denver CO, 80264

Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Horton 7

API# 30-045-21362

		Reporting	87-04 (So	nu)					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50	-150	1848028	11/30/18	12/01/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1848028	11/30/18	12/01/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	50	-150	1848028	11/30/18	12/01/18	EPA 8015D	
Surrogate: n-Nonane		91.5 %	50	-200	1848029	11/30/18	12/03/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1849004	12/04/18	12/04/18	EPA 300.0/9056A	



Denver CO, 80264

Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Horton 2A API# 30-045-23392 P811087-05 (Solid)

		FOLLU	a /-ua (au	nu)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1848028	11/30/18	12/01/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-	-150	1848028	11/30/18	12/01/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1848028	11/30/18	12/01/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1848029	11/30/18	12/03/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	50	-150	1848028	11/30/18	12/01/18	EPA 8015D	
Surrogate: n-Nonane		97.5 %	50	-200	1848029	11/30/18	12/03/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1849004	12/04/18	12/04/18	EPA 300.0/9056A	

Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source	NADO.	%REC	nnn	RPD	**
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1848028 - Purge and Trap EPA 5030A										
Blank (1848028-BLK1)				Prepared: 1	1/30/18 1 A	malyzed: 1	2/01/18 0			
Benzene	ND	100	ug/kg							
Toluene	ND	100	ri .							
Ethylbenzene	ND	100	**							
p,m-Xylene	ND	200	n							
o-Xylene	ND	100								
Total Xylenes	ND	100	**							
Total BTEX	ND	100	.0							
Surrogate: 4-Bromochlorobenzene-PID	8200		n.	8000		103	50-150			
LCS (1848028-BS1)				Prepared: 1	11/30/18 1 /	Analyzed: 1	2/01/18 0			
Benzene	5360	100	ug/kg	5000		107	70-130			
Toluene	5390	100		5000		108	70-130			
Ethylbenzene	5430	100	***	5000		109	70-130			
p,m-Xylene	11100	200	.0	10000		111	70-130			
o-Xylene	5370	100		5000		107	70-130			
Total Xylenes	16500	100		15000		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8170		"	8000		102	50-150			
Matrix Spike (1848028-MS1)	Sou	rce: P811087-	01	Prepared:	11/30/18 1 /	Analyzed: 1	2/01/18 1			
Benzene	5350	100	ug/kg	5000	ND	107	54.3-133			
Toluene	5360	100	30.	5000	ND	107	61.4-130			
Ethylbenzene	5390	100		5000	ND	108	61.4-133			
p,m-Xylene	11000	200		10000	ND	110	63.3-131			
o-Xylene	5300	100	w	5000	ND	106	63.3-131			
Total Xylenes	16300	100		15000	ND	109	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8010		"	8000		100	50-150			
Matrix Spike Dup (1848028-MSD1)	Sou	ırce: P811087-	01	Prepared:	11/30/18 1	Analyzed: 1	12/01/18 1			
Benzene	5390	100	ug/kg	5000	ND	108	54.3-133	0.675	20	
Toluene	5400	100		5000	ND	108	61.4-130	0.825	20	
Ethylbenzene	5430	100	300	5000	ND	109	61.4-133	0.780	20	
p,m-Xylene	11100	200		10000	ND	111	63.3-131	0.645	20	
o-Xylene	5350	100	•	5000	ND	107	63.3-131	0.865	20	
Total Xylenes	16400	100	.0	15000	ND	109	63.3-131	0.717	20	
Surrogate: 4-Bromochlorobenzene-PID	8010		20.0	8000		100	50-150			

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Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

	Descrip	Reporting	***	Spike	Source	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	70REC	Limits	KPD	Limit	Notes
Batch 1848028 - Purge and Trap EPA 5030A										
Blank (1848028-BLK1)				Prepared:	11/30/18 1 <i>A</i>	Analyzed: 1	2/01/18 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		n	8.00		103	50-150			
LCS (1848028-BS2)				Prepared:	11/30/18 1 /	Analyzed: 1	2/01/18 0			
Gasoline Range Organics (C6-C10)	50.6	20.0	mg/kg	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.44		· n	8.00		105	50-150			
Matrix Spike (1848028-MS2)	Sou	rce: P811087-	01	Prepared:	11/30/18 1 /	Analyzed: 1	2/01/18 1			
Gasoline Range Organics (C6-C10)	49.3	20.0	mg/kg	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		"	8.00		105	50-150			
Matrix Spike Dup (1848028-MSD2)	Sou	rce: P811087-	01	Prepared: 11/30/18 1 Analyzed: 12/01/18 1						
Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0	ND	101	70-130	2.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.31		n	8.00		104	50-150		·	



Project Name:

Below Grade Pits

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1848029 - DRO Extraction EPA 3570										
Blank (1848029-BLK1)				Prepared:	11/30/18 1 <i>E</i>	Analyzed: 1	2/03/18 1			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organies (C28-C40+)	ND	50.0	(m.							
Surrogate: n-Nonane	44.9		"	50.0		89.7	50-200			
LCS (1848029-BS1)				Prepared:	11/30/18 1 /	Analyzed: 1	2/03/18 1			
Diesel Range Organics (C10-C28)	480	25.0	mg/kg	500		96.1	38-132			
Surrogate: n-Nonane	45.5		"	50.0		91.0	50-200			
Matrix Spike (1848029-MS1)	Sou	rce: P811087-	01	Prepared:	11/30/18 1 /	Analyzed: I	2/03/18 1			
Diesel Range Organics (C10-C28)	1310	50.0	mg/kg	500	808	100	38-132			
Surrogate: n-Nonane	53.8		"	50.0		108	50-200			
Matrix Spike Dup (1848029-MSD1)	Source: P811087-01 Prepared: 11/30/18 1 Analyzed: 12/03/18 1						10			
Diesel Range Organics (C10-C28)	1260	50.0	mg/kg	500	808	90.7	38-132	3.68	20	
Surrogate: n-Nonane	54.8		11	50.0		110	50-200			



HalladorProject Name:Below Grade Pits1660 Lincoln St Suite 2700Project Number:18010-0004Reported:Denver CO, 80264Project Manager:Micheal I. Dean12/05/18 16:53

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1849004 - Anion Extraction EPA 30	00.0/9056A									
Blank (1849004-BLK1)				Prepared: 1	2/04/18 0	Analyzed: 1	2/04/18 1			
Chloride	ND	20.0	mg/kg							
LCS (1849004-BS1)				Prepared:	12/04/18 0 /	Analyzed: 1	2/04/18 1			
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1849004-MS1)	Sour	ce: P811080-	01	Prepared:	12/04/18 0	Analyzed: 1	2/04/18 1			
Chloride	1300	20.0	mg/kg	250	1460	NR	80-120			SPK2
Matrix Spike Dup (1849004-MSD1)	Sour	rce: P811080-	01	Prepared: 12/04/18 0 Analyzed: 12/04/18 1						
Chloride	1560	20.0	mg/kg	250	1460	40.6	80-120	18.3	20	SPK2



Hallador

Project Name:

Below Grade Pits

1660 Lincoln St Suite 2700

Denver CO, 80264

Project Number: Project Manager: 18010-0004 Micheal I. Dean Reported: 12/05/18 16:53

Notes and Definitions

SPK2

The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to native analyte concentration at 4 times or

greater than the spike concentration.

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

RPD

Relative Percent Difference

**

Methods marked with ** are non-accredited methods.

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Received by OCD: 12/15/2020 2:59:29 PM

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AZ CWA SDWA Samples requiring thermal preservation must be received on ice the day they are sampled or Note: Samples are discarded 30 davs 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 NM CO UT Remarks **EPA Program** State received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. Page 2 RCRA Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Lab Use Only N./ 1D 3D TAT Ph (505) 632-0615 fx 505) 632-1865 Ph | 970 | 759 D615 F: 800 367-1879 Analysis and Method Received on ice: 18010-000 AVG Temp °C Job Number T.814 H9T Chloride 300.0 Lab Use Only Environment to the liability of the laboratory with this COC. The liability of the laboratory is limited to the amount baid for on the report.

S195 IK Harbury 64 Farminals 111 673/4 Metals 6010 **VOC by 8260** 1.4 icp 12 cople BTEX by 8021 × N PSULOS Lab WO# Time **GRO/DRO by 8015** × , (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling Mexample location, date or time of collection is considered fraud and may be prounds for level action. Sampled by: Three Springs - 65 Mercado Street, Suite 115, Duranço, (O 81301 **DRO/ORO by 8015** Number N, MO Lab N Chain of Custody Date Date Email: VERN CREVELSHENG, NET FARMINION Report Attention Attention: UEPM ANDREWS 12-5-18 Address: 7415 EMAIN Phone: 505-320-7263 Received byz (Signature) Received by: (Signature) City, State, Zip Report due by: 12,30pm Time time of collection is considered fraud and may be grounds for legal action. Sampled by: Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Time U.M. 87402 Sample ID MICHAEL. DEANGELMESHENDS. YET Analytical Laboratory 23 とい DEAN 9 24 11.30-18 # Containers O O 0 O B City, State, Zip Farmいんての Project Manager: Michael Address: 7415 EAST MA BRADE Phone: 505 - 960-048/ Matrix Additional Instructions: Relinquished by: (Signature) Relinquished by: (Signature) Ś S S S S Client: HALLADOR Project Information Project: 8460W 11-3-12 11-30.18 1228 31-30-18 312-11 12.30-18 11-30-18 Sampled Date 15:45 Sampled gieces. 10:30 0,00 6:30 Email: Page 13 of 13

EPIC Energy L.L.C Below Grade Tank Closure Plan

Horton #002C

U/L: I, Section 22, TWN: 32N. RNG: 11W

San Juan County, New Mexico

30-045-31435

As stipulated in Rule 19.15.17.13 NMAC, the following information adheres to the requirements established in closing below-grade tanks (BGTs) on EPIC Energy L.L.C well sites. This plan will address the standard protocols and procedures for closure of BGTs.

EPIC Energy L.L.C proposes to close its existing BGTs that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or are not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC in accordance with this closure plan and the transitional provisions of Subsection E of 19.15.17.17 NMAC, or within five (5) years after the effective date (June 16, 2008) of 19.15.17 NMAC.

The following outline addresses all requirements for closure of EPIC Energy L.L.C BGTs:

- 1.Prior notification of EPIC Energy L.L.C intent to close the BGT will follow 19.15.17.13J (I) and (2).
 - a. EPIC Energy L.L.C will notify the surface owner by certified mail, return receipt requested, of closure plans. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is enough to demonstrate compliance with this requirement.
 - b. notification will also be given to the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice will include the operator's name and the well's name, number, and API number, in addition to the well's legal description, including the unit letter, section, township, and range.

Notification was provided to the NMOCD District III office. Attached is a copy of the notification. Notification to the surface owner is Fee land. Records of notification were not identified during the records search.

2.EPIC Energy L.L.C will remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. A list of EPIC Energy L.L.C approved disposal facilities is below:

Fluid disposal:

Agua Moss

Sunco well #1

U/L=E, SWNW, Section 2, T29N-RI2W San Juan, New Mexico

Permit #NM-01-0009

Basin Disposal Inc.

Basin Disposal well #1

U/L=F, SWNW, Section 3, T29N-RI 1 W San Juan, New Mexico

Permit #NM-01-0005

Solid disposal:

Envirotech Land Farm

Disposal Facility

Section 6, T26N-R10W, County Road #7175 San Juan, New Mexico

Permit #NM-01-0011

3.EPIC Energy L.L.C will remove the BGT from the pit and place it at ground level adjacent to the original BGT site.

The Below Grade tank was transported for recycling

4.EPIC Energy L.L.C will hook up necessary equipment and piping for temporary tank use. At this time, any on-site equipment not necessary to the operation of the tank will be removed from the site.

All Equipment associated with the below Grade Tank removal was removed. An above ground tank was instated in the same area where the below grade tank was removed.

5.EPIC Energy L.L.C will test the soils beneath the original BGT location to determine whether a release has occurred. At a minimum, a five (5) point composite sample will be collected in addition to individual grab samples from areas that are wet, discolored, or showing other evidence of a release. The samples will be analyzed for BTEX, TPH, and chlorides to demonstrate that they do not exceed certain concentrations. The testing methods and closure standards for those constituents are as follows:

All analytical results that were collected during the removal of the Below Grade Tank came back Non-Detect demonstrating a release did not occur.

Constituents	Testing Method	Closure Standards (mg/Kg)
Benzene	US EPA SW-846 methods 8021B or 8260B	0.2
total BTEX	US EPA SW-846 methods 8021B or 8260B	50
TPH	US EPA method 418.1	100
Chlorides	US EPA method 300.1	250 or background

Notes: mg/Kg= milligram per kilogram; BTEX = benzene, toluene, ethylbenzene, and total xylenes; TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. The Chlorides closure standards will be determined by whichever concentration level is greatest.

6. EPIC Energy L.L.C will notify the division District III office of the soil test results on Form C-14 l. It is understood that the NMOCD may require additional delineation upon review of the results.

All analytical results that were collected during the removal of the Below Grade Tank came back Non-Detect demonstrating a release did not occur.

7. If it is determined that a release has occurred, then EPIC Energy L.L.C will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A C-141 is attached for Closure demonstrating an analytical result of non-detect.

8. If the confirmation sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then EPIC Energy L.L.C will backfill the · excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; re-contour the site; and move the fiberglass tank onto the newly backfilled and compacted site. The division-prescribed soil cover, re-contouring, and re-vegetation requirements shall comply with Subsections G, H, and I of 19.15.17.13

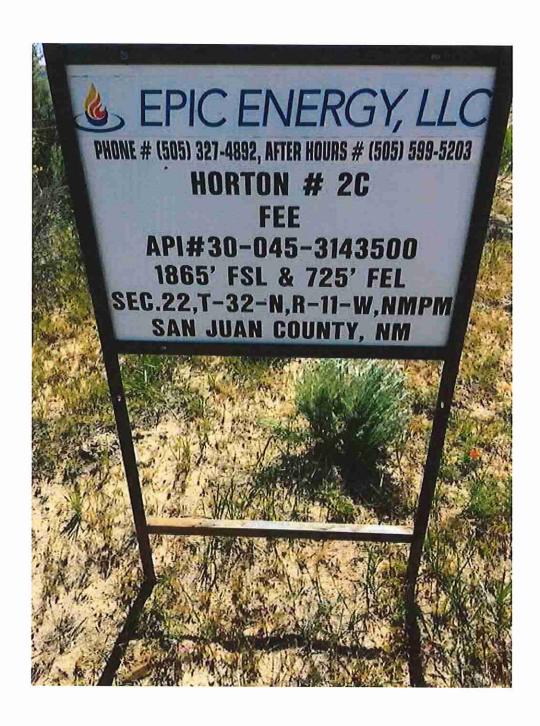
NMAC.

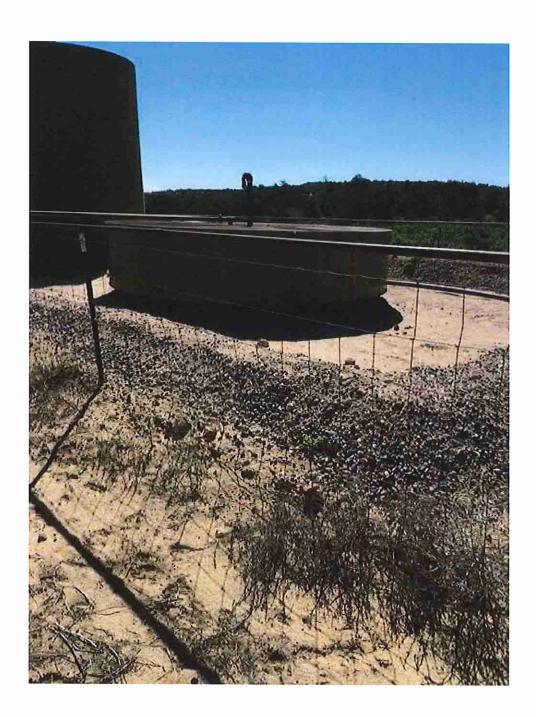
The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

- 9. Reclamation will follow 19.15.17.130 (1) and (2).
- a. The BGT location and all areas associated with the BGT, including associated access roads, if applicable, will be reclaimed to a safe and stable condition that blends with the surrounding undisturbed area. It is understood that EPIC Energy L.L.C shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19 .15 .1 7 .13 NMA C and re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography.
- b. Re-vegetation will not be completed at the time the BGT pit is reclaimed but will instead be applied for as part of the P&A process when the well is plugged and abandoned.
- 10.Soil cover will follow 19.15.17.13H (1) and (3).
 - a. The soil cover for closures where the BGT has been removed or contaminated soil has been remediated to the NMOCD's satisfaction will consist of the background thickness of topsoil or one (1) foot of suitable material to establish vegetation at the site, whichever is greater.
 - b. The soil cover will be constructed to the site's existing grade, and all possible efforts will be conducted to prevent ponding of water and erosion of the cover material.

The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

11.Within 60 days of closure completion, EPIC Energy L.L.C will submit a closure report on NMOCD's Form C-144, with necessary attachments to document all closure activities, including sampling results; information required by 19.15.17 NMAC; and details on backfilling, capping, and covering, where applicable. EPIC Energy L.L.C will certify that all information in the report and attachments is correct and that EPIC Energy L.L.C has complied with all applicable closure requirements and conditions specified in the approved closure plan.





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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**

COMMENTS

Action 9340

COMMENTS

Operator:			OGRID:	Action Number:	Action Type:
EPIC ENERGY, L.L.C.	7415 E Main St	Farmington, NM87402	372834	9340	C-144

Created By	Comment	Comment Date
csmith	1 @ 30-045-31435 General Pit Information Edit Well: [30-045-31435] HORTON #002C Facility: Operator: [372834] EPIC ENERGY, L.L.C. Status: Inactive Type: Production Construction	12/15/2020
	Material: Steel District: Aztec Fluid Type: Produced Water Surface Owner: County: San Juan (45) Location: I-22-32N-11W 1865 FSL 725 FEL Lat/Long: 36.9682808107.9702148 NAD83	

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CONDITIONS

Action 9340

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
EPIC ENERGY, L.L.C.	7415 E Main St	Farmington, NM87402	372834	9340	C-144

OCD Reviewer	Condition
csmith	None