

# EMERGENCY RESPONSE PLAN



1 Wavetech Wulff Trust 43-5  
Sec. 5 T15S R42W (NE SE)  
Cheyenne County, Colorado  
Surface: Fee

Submitted as an accompaniment to the Form 2A  
Application and consistent with the requirements of Rule  
602.j.

October 2023 Revised March 2024

Prepared by:

Miracle Energy  
Consulting, LLC



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## SECTION 1 - INTRODUCTION

Wavetech's Emergency Response Plan was sent via email on October 20, 2023 to the Cheyenne County Office of Emergency Management (OEM) who will determine the responding fire districts.

## SECTION 2 - SITE SPECIFIC INFORMATION

### a. Site Safety Requirements and General Information

The minimum personal protective equipment (PPE) to enter any Wavetech location includes hard hat, safety glasses, safety toe boots, and fire-resistant clothing (FRC). All contractors and visitors are responsible for providing their personnel/employees/persons with the appropriate training on and use of PPE while on all Wavetech locations and signage will be in place to disclose this information at the entrance to location. In addition, all personnel entering a Wavetech location must understand and abide by Wavetech's contractor expectations relating to environmental, health, and safety requirements.

The primary hazards that any person must be aware of while on a Wavetech location include, but are not limited to, the potential for release of gases and/or liquids from production equipment/tanks, heavy truck and equipment traffic, loud noise, high pressures, and the potential for a flash fire. These hazards can vary depending on the work being performed.

The following emergency response equipment will be onsite in the event of a small-scale spill or accident:

- pig blankets,
- snakes,
- absorbent materials,
- fire extinguisher

In the event of a larger incident, the operator will contract a third-party provider to respond to an unintentional release or soil contamination.

### b. Emergency Muster/ Assembly Points/ Ingress and Egress

Muster Point: The Operator will designate primary and secondary muster areas at the Location. In the event of an evacuation, all personnel on-site will immediately evacuate and move to the primary muster area. If the primary muster area is unsafe, personnel will move to the secondary muster area. During evacuations, personnel will avoid taking shortcuts that create exposure to hazards.

Ingress and Egress: Employees and contractors must maintain locations so that routes of egress from building, discharge areas, access roads and other means of emergency egress and access are properly maintained.

### c. 911 Address and GPS Coordinates

#### 1 Wavetech Wulff Trust 43-5

Legal Description – NESE Section 5 T15S R42W

Directions: Begin at the intersection of County Road 56 and County Road N. Travel south on County Road 56 for approximately 636' (approximately .12 miles) to the proposed access road. Turn right and travel west approximately 928' (0.2 miles) to the location. Lat/Long: Lat: 38.774963° N Long: -102.131753° W

**d. Site Description**

The Locations are in rural Cheyenne County, Colorado. The surrounding land uses are rangeland and agriculture. There are no Residential Building Units within 2,000' of the Location. The 1 Wavetech Wulff Trust 43-5 Location is accessed from County Road 56 and County Road N.

Each Location will have the following equipment:

- 1 helium well
- 1 water tank (300 bbls)
- 1 oil tank (300 bbls).
- 1 separator
- 1 gas meter
- Gathering pipelines to helium processing facility are onsite. 2" and/or 3" schedule 40 steel flowlines carrying oil, gas and water from wellheads to production equipment and sales.

**di. Nearby School and High Occupancy Building Units**

There are no schools, High Occupancy Building Units or Residential Building Units within 2,000' of the Locations. Please see Location Drawings in for the 1 Wavetech Wulff Trust 43-5.

**dii. Nearby Sensitive Areas**

The location is not within High Priority habitat. There are nearby water features or wetlands. Any impacts to nearby waters of the US or wetlands will be mitigated by Best Management Practices that can be found in the Stormwater Management Plan and Dust Mitigation Plan.

**diii. Location of SDS sheets, Sign-In Sheets, JSAs and Safety Forms**

Depending on the operations taking place on location, the chemicals that may be present will vary. Regardless, hazard communication is a critical safety measure and Safety Data Sheets (SDS) will be available from the Company Representative present or the contractor performing work on location.

During drilling, completion, and testing operations all employees and approved visitors to the 1 Wavetech Wulff Trust 43-5 will be required to check in at the company man trailer where they will be required to sign in and will be provided with a detailed safety briefing of current operations and all safety precautions that must be adhered to while on location. In addition, all who enter the location must also sign out upon their departure. Site Supervisor are required to account for all persons entering or leaving location during active operations and in the event of an incident.

Once drilling, completion, and facility installation activities are finalized, the site will transition to its production phase.

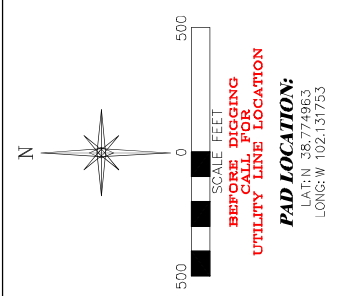
No unauthorized personnel will be allowed on location without first contacting a company representative.

## SECTION 3 – MAPS AND DIAGRAMS

- a. Location Drawing**
- b. Access Maps**
- c. Facility Layout Diagrams**
- d. Rig Layout Diagrams**

#1 WAVETECH WULFF TRUST 43-5

UNGRADED ELEVATION: 3959.2'  
FINAL ELEVATION: 3958.5'  
AREA OF DISTURBANCE: 2.8± ACRES  
AREA OF WORKING PAD SURFACE: 2.1± ACRES



**PAD LOCATION:**  
LAT: N 38.774963  
LONG: W 102.131753

**BEFORE DISTURBANCE  
LOCATION FOR  
UTILITY LINE LOCATION**

**LOCATION DRAWING**

**WAVETECH HELIUM, INC.**  
#1 WAVETECH WULFF TRUST 43-5  
NESE, SECTION 5, T. 15 S., R. 42 W., 6th P.M.,  
CHEYENNE COUNTY, COLORADO

**UPDATED TABLE**  
REVISED: 2/6/24 - JMB  
DRAWN: 12/14/22 - DWB/JMB  
1414 ELK ST., ROCK SPRINGS, WY 82901  
SCALE: 1" = 500'  
DRG JOB NO. 22304  
304b(7)A LOC AERIAL

**RIFFIN & ASSOCIATES, INC.**  
304b(7)A LOC AERIAL

**LOCATION DRAWING FEATURES 304b(7)A**

**LEGEND**

- WORKING PAD SURFACE
- PROPERTY LINE
- 2000' WORKING PAD SURFACE BUFFER
- PROPOSED LOCATION DISTURBANCE
- COUNTY ROAD / EXISTING 2-TRACK ROAD
- OVERHEAD POWER LINE
- PLUGGED OIL & GAS (P&G) WELL

**WULFF GERALYN I. REVOCABLE LIVING TRUST**

**FURST KAREN K**

**BUTTE CREEK RANCH LLC**

**RAILROAD #1-4**

**PLUGGED OIL AND GAS WELLS**

**OVERHEAD POWER LINE**

**2-TRACK/COUNTRY RD N**

**PROPERTY LINE**

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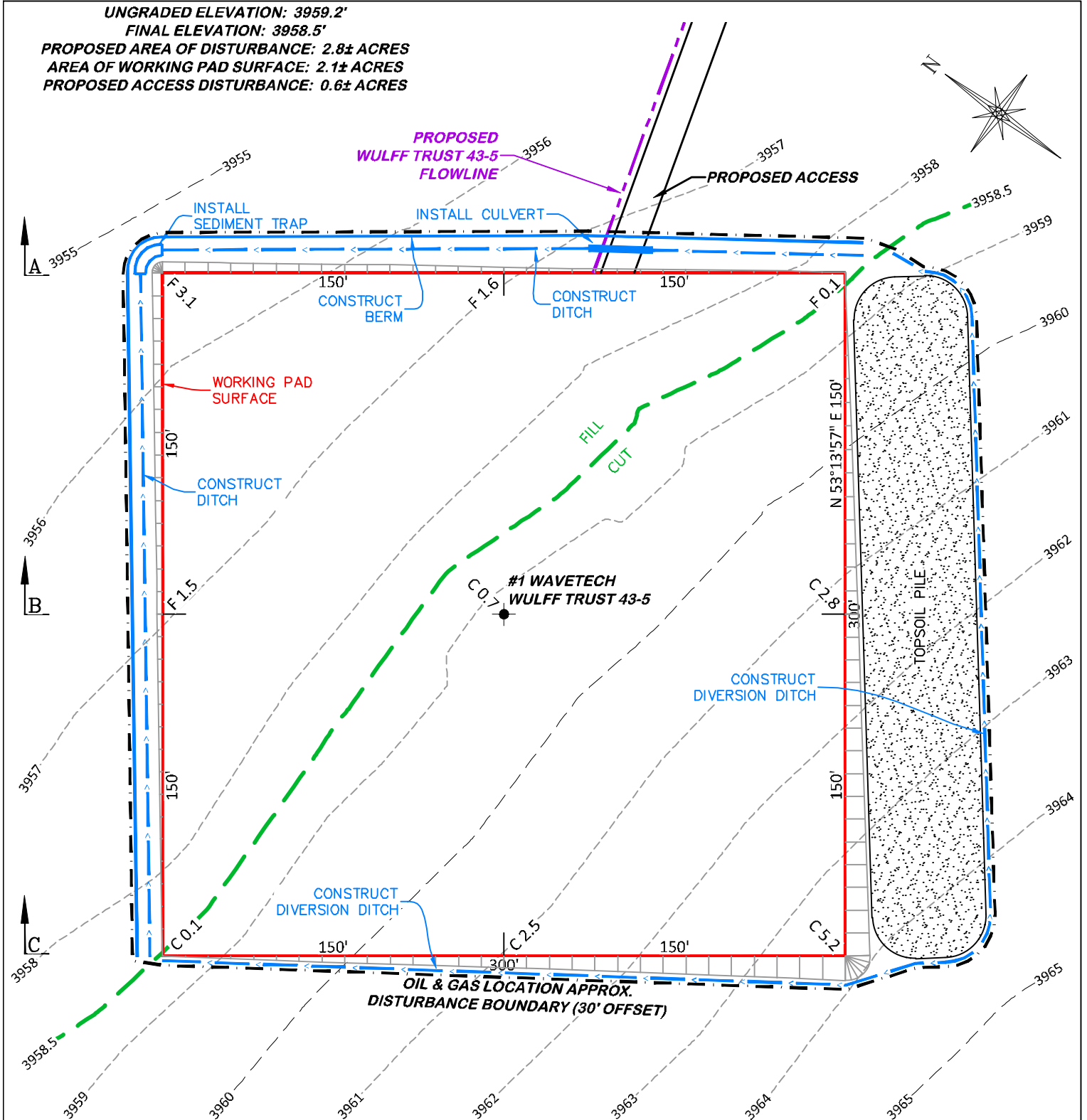
UNGRADED ELEVATION: 3959.2'

FINAL ELEVATION: 3958.5'

PROPOSED AREA OF DISTURBANCE: 2.8± ACRES

AREA OF WORKING PAD SURFACE: 2.1± ACRES

PROPOSED ACCESS DISTURBANCE: 0.6± ACRES



**#1 WAVETECH WULFF TRUST 43-5**

NOTE: THE EARTH QUANTITIES ON THIS DRAWING ARE ESTIMATED AND THE USE OF SAID QUANTITIES IS AT THE RESPONSIBILITY OF THE USER.



**DRG** RIFFIN & ASSOCIATES, INC.  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

**CONSTRUCTION LAYOUT DRAWING 1 OF 5**

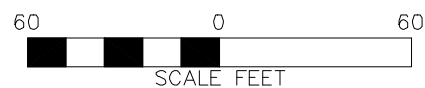
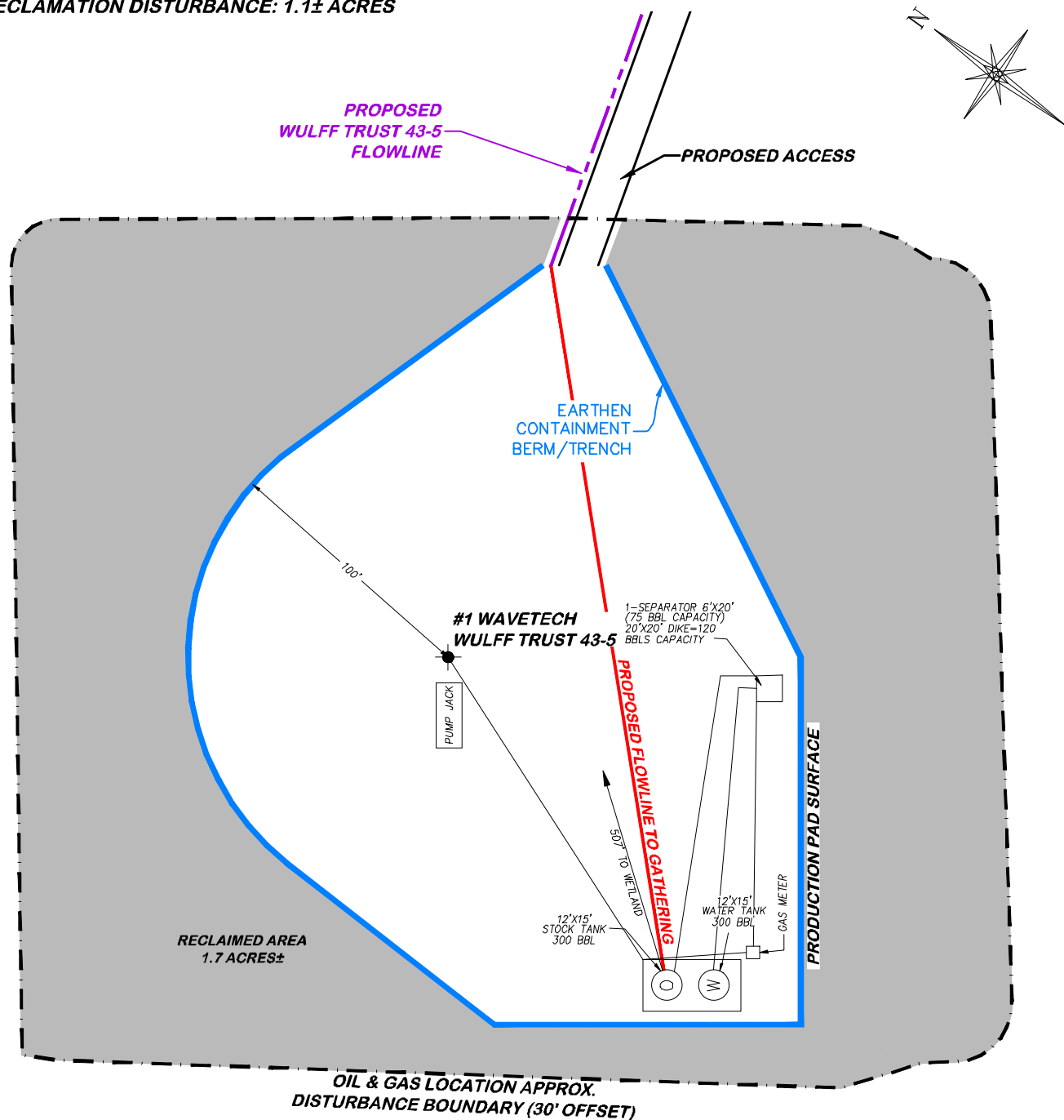
**PLAN**

**WAVETECH HELIUM, INC.**  
**#1 WAVETECH WULFF TRUST 43-5**  
**NESE, SECTION 5, T. 15 S., R. 42 W., 6th P.M.,**  
**CHEYENNE COUNTY, COLORADO**

**ESTIMATED EARTHWORK**

	ITEM	CUT	FILL	TOPSOIL	EXCESS
DRAWN: 12/14/22 - DWB/JMB	PAD	3,414 CY	1,635 CY	1,756 CY	23 CY
REVISD: 3/12/24 - JMB	OTHER			502 CY	NONE
REVISD DISTURBANCE	TOTALS	3,414 CY	1,635 CY	2,259 CY	23 CY
SCALE: 1" = 60'					
DRG JOB No. 22304					
304b(7)Bi CONST					

APPROXIMATE DISTURBANCE AREA 2.8± ACRES  
 PROPOSED RECLAMATION AREA: 1.7± ACRES  
 INTERIM RECLAMATION DISTURBANCE: 1.1± ACRES



### #1 WAVETECH WULFF TRUST 43-5

CONSTRUCTION LAYOUT DRAWING 5 OF 5



**DRG RIFFIN & ASSOCIATES, INC.**

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 12/14/22 - DWB/JMB

SCALE: 1" = 60'

REVISED: 3/12/24 - JMB

DRG JOB No. 22304

REVISED DISTURBANCE

304b(7)Bv FACILITY

**FACILITY LAYOUT DRAWING**  
**WAVETECH HELIUM, INC.**  
**#1 WAVETECH WULFF TRUST 43-5**  
**NESE, SECTION 5, T. 15 S., R. 42 W., 6th P.M.,**  
**CHEYENNE COUNTY, COLORADO**



## SECTION 4 - EMERGENCY CONTACTS

**a. Wavetech Helium Inc.**

Name	Title	Office Number	Cell Phone
Igor Gendelman	Corporate Contact	303-354-3383	720-280-7415
Logan Ramseier	Field Representative		970-567-8282
24 Hour Emergency Phone Number: 720-280-7415			

**b. First Responders**

Name	Staffing	Emergency Number	Dispatch Phone
Cheyenne Wells Fire Department	Volunteer	911	719-667-5633
Cheyenne County Sheriff	Full Time	911	719-767-5633
Colorado State Patrol	Full Time	911	

**c. Regulatory Contacts**

Name	Office Number	Cell Phone
ECMC	303-894-2100	None
CDPHE	877-518-5608	None
CPW	303-291-7227	None
National Response Center	800-424-8802	None

**d. Medical Facilities**

Name	Office Number	Location
Keefe Memorial Hospital	719-767-5661	Cheyenne Wells, CO
Kit Carson County Memorial Hospital	719-346-5311	Burlington, CO

**e. Spill Response**

Name	Office Number	Cell Phone
Igor Gendelman	303-354-3383	

**f. Fire, Explosion, associated with loss of well control**

Name	Emergency Number	Dispatch Phone
Cheyenne Wells Fire Protection District	911	719-767-5633
Cheyenne County Fire Protection District 1	911	719-767-5869
Office of Emergency Management		719-342-3120

**g. Local Government Contacts**

Name	Title	Cell Phone
Darin Dickey	County Commissioner	719-767-5872
Jerry Allen	Land Use Administrator	landuse@co.cheyenne.co.us

## SECTION 5 - SPILL RESPONSE AND REPORTING

### a. Spill Response

The most common release will be unrefined produced water. Refined petroleum products such as diesel, gasoline, and motor oil spills are less common, but still equally important to mitigate. If a spill is found reportable, it will be mitigated in accordance with Energy and Carbon Management Commission (ECMC) and Colorado Department of Public Health and Environment (CDPHE) guidelines.

Once a release has been identified, it will be immediately stopped and contained if possible and is safe to do so. When containing a spill; pig blankets, snakes, absorbent materials, or earthen berms will be constructed around the release to keep material from spreading. These materials will be provided by a contract company and kept on-site. Diligent efforts will be made to minimize contact with live vegetation or open water if release is outside of secondary containment structures.

### b. Spill Reporting

#### **What determines a reportable spill and to whom does the report go?**

A spill/release will be reported to the ECMC if released material is property of Wavetech and meets the ECMC reporting thresholds (see below), an example would be produced water from a water vault.

A spill/release will be reported to the CDPHE if released material is in the custody of a third party for spills that meet CDPHE reporting thresholds, are of any size that impact or threaten to impact waters of the state, a residence or occupied structure, livestock or public byway. An example would be a water hauler over filling a truck and spills product onto the ground next to a flowing irrigation ditch.

Once a spill is determined reportable, there is a 24-hour deadline to make initial notification to the ECMC or CDPHE depending on product ownership. Spills/releases in the custody of Wavetech will be reported by a Company representative. Spills/releases in the custody of a third party will be reported by the responsible company's EHS Department to the appropriate agency and to Wavetech. These regulatory guidelines will be strictly followed by Wavetech and any contractors operating under Wavetech guidance during all activities at the 1 Wavetech Wulff Trust 43-5.

## SECTION 6 - EVACUATION INFORMATION

### a. Evacuation Plan Procedures

The procedure to be used in alerting nearby people in the event of any occurrence that could pose a threat to life or property will be arranged and completed with public officials in detail.

In the event of an actual emergency, the following steps will be immediately taken:

1. The Wavetech representative will immediately notify proper authorities, including the sheriff's office, highway patrol, and any other public officials as described above and will enlist their assistance in warning residents and transients in the calculated radius of exposure.
2. The Wavetech representative will coordinate with local authorities to warn residents' downwind of the location and within radius of exposure from the well site. Additional evacuation zones may be necessary as the situation warrants.
3. The Wavetech representative will coordinate with appropriate emergency personnel to divert traffic in the vicinity away from the potentially dangerous area. No trespassing and warning signs will be posted at the entrance to the well site. The contract company will monitor essential and non-essential traffic on-site.

General:

1. The area included within the radius of exposure is considered to be the zone with the maximum potential hazard. When it is determined that conditions exist which create an additional area (beyond the initial zone of maximum potential hazard) vulnerable to possible hazard, public areas in the additional hazardous area will be evacuated.
2. In the event of a disaster, after the public areas have been evacuated and traffic stopped, it is expected that local civil authorities will have arrived and within a few hours will have assumed direction of and control of the public, including all public areas. Wavetech will cooperate with these authorities to the fullest extent and will exert every effort by careful advice to such authorities to prevent panic or rumors.
3. Wavetech will dispatch appropriate personnel to the disaster site as soon as possible. The company's personnel will cooperate with and provide such information to civil authorities as they might require.

## SECTION 7 - COORDINATION WITH FIRST RESPONDERS

In the event of an emergency requiring First Responders, Unified Command will be established between the Wavetech appointed company man on location and First Responders present. Unified Command post will be established based on conditions present at time of incident.

## SECTION 8 - INCIDENT TYPES

### a. Loss of Well-Control

#### **What is it?**

“Loss of well-control” means the uncontrolled flow of formation or other fluids from an exposed formation (an underground blowout) or at the surface (a surface blowout), flow through a diverter or uncontrolled flow resulting from a failure of surface equipment or procedures.

#### **What are the unique response procedures?**

The Operator will contact well-control personnel to reestablish control of the well. Reference the emergency contact list for well-control contractor contact information. The Operator personnel and contractors will take all reasonable measures to manage loss of well-control based on the level of training, knowledge and skills while waiting for arrival of well-control specialists. At a minimum, personnel will maintain positive scene control and security.

#### **What are the unique reporting requirements?**

Loss of well-control typically requires emergency reporting at the local level to ensure the local authorities are notified (call 911). Additional reporting requirements are related to whether or not petroleum products are released into the environment and other ECMC rules.

### b. Explosion

#### **What is it?**

Explosions include the rapid destruction of separators, tanks or any type of equipment as result of over-pressurization and the subsequent failure of pressure relief devices, regardless of cause. This includes boiling liquid expanding vapor explosions (BLEVE).

A BLEVE is an explosion caused by the rupture of a vessel containing a pressurized liquid above its boiling point. There is a possibility of a BLEVE at the storage tanks on location as well as any other vessel capable of holding pressure and fluid. A BLEVE caused from a vessel containing oil can result in a secondary explosion of the Volatile Organic Carbon's (VOC) released into the atmosphere.

#### **What are the unique response procedures?**

Establish an initial evacuation and isolation zone immediately and prevent access. Maintain scene security until additional resources arrive who will take over. Established hot and warm zones must be expanded as is necessary. Muster areas may require moving from their designated locations. Evacuation of surrounding areas may be indicated. The on-scene supervisor will immediately communicate suggested evacuations of the surrounding area to authorities as needed.

#### **What are the unique reporting requirements?**

Immediately notify emergency services of the fire's type, approximate size and rate of spread. Additional reporting may be required if the explosion is accompanied by the release of a hazardous material.

c. **Injury or Illness, regardless of cause**

Any injury or illness to persons on location. This is to include all medically based and toxic exposure-based illnesses and injuries.

**What are the unique response procedures?**

EMS will need to be given as much information regarding the illness or injury before they arrive. Also, first aid trained employees may render assistance, and require equipment to do so, until EMS arrives. Due to the remote location, Flight for Life maybe the best option for transportation to the nearest and most capable medical facility. See contact information for medical facilities.

**What are the unique reporting requirements?**

Any injury or illness that results in an inpatient hospitalization, amputation or eye loss must be reported to OSHA within 24 hours. Any work-related fatality must be reported to OSHA within 8 hours. Contact the emergency coordinator if any employee or contractor is injured while working.

d. **Fire Associated with Well**

**What is it?**

This includes any fire that is associated with the wellhead or wellbore directly. Fires in this category can also include equipment, such as a coil rig, which is temporarily connected directly to the wellbore. This does not include fires that are isolated to equipment on location or the location itself that does not pose a threat directly to the well.

**What Are the Unique Response Procedures?**

Isolate equipment to the extent it can be safely done. Isolate the location. Maintain positive scene control. What Are the Unique Reporting Requirements?

Emergency services should be notified immediately and the type, approximate size and rate of spread of the fire disclosed to dispatch.

e. **Vehicle Crash on Location**

Any incident on location that involves the collision of a vehicle with another vehicle or piece of equipment to include the wellhead itself. The vehicle does not have to be determined inoperable to meet this definition. This also is to include all heavy equipment that may be found on location. Such as backhoes, skid steers, cranes, loaders, etc.

**What are the Unique Response Procedures?**

Care should be taken to de-energize any lines or equipment including the vehicle that is involved in the incident to reduce the possibility of fire or explosion. EMS will need to be given as much information regarding the injury before they arrive. Also, first aid trained employees may render assistance, and require equipment to do so, until EMS arrives. Due to the remote nature of the site, Life Flight Dispatch will be initiated if warranted.

**What are the Unique Reporting Requirements?**

Accident reports must be submitted to ECMC in a timely manner. Report to insurance agencies.



**f. Natural Disasters**

Any and all natural disasters including but not limited to, flooding, tornadoes, lightning strikes, severe storms, etc. Natural disasters can fall into all three categories of response with appropriate forewarning.

**What Are the Unique Response Procedures?**

Natural disasters can pose significant hazards due to potential release of hydrocarbons and other toxic substances. The emergency coordinator will share information on impending natural disasters that may impact a site. Employees and contractors will notify the emergency coordinator in the event they become aware of an impending natural disaster. Employees and contractors will take appropriate actions to secure each site to help minimize problems.

Preventative actions can include shutting in wells, removal of portable equipment from the site, confirmation that confirm integrity of previously installed protective measures and other similar efforts.

**What Are the Unique Reporting Requirements?**

Reporting requirements are based on the outcome.

## SECTION 9 - TRAINING REQUIREMENTS

This plan requires training in several areas. At a minimum, employees and contractors will have:

- 1) Initial training on the plan's contents and basic emergency-response procedures for all Wavetech employees and contractors that work at their locations.
- 2) Annual retraining to remind personnel of key areas and to update employees on new and emerging considerations that impact emergency activities.
- 3) Topical training that covers the appropriate emergency type including, but not limited to, the following:
  - a) HAZWOPER Level I/II First-Response Operations HAZWOPER training for leasehold-operators/pumper-gaugers
  - b) HAZWOPER Level III Hazardous Materials Technician (24-hour) for anyone that cleans up hazardous materials (except for incidental releases)
  - c) HAZWOPER Level III Hazardous Materials Technician and Level V IC training for anyone that serves as an Incident Commander.
  - d) Training on the contents of this plan and site plans (this training may be conducted as part of other training or as separate sessions)
  - e) SPCC training for leasehold-operators/pumper-gaugers as described in sections 4.1 and 4.3 of the SPCC plan (this training may be conducted as part of other training or as separate sessions)
  - f) Level I Well-Control Awareness for leasehold-operators/pumper-gaugers
  - g) Incipient firefighting and emergency fire-extinguisher use for all leasehold-operators/pumper-gaugers and anyone else that may use a fire-extinguisher at a site
  - h) Confined space rescue training for employees tasked with this responsibility (initially and as needed to retain skills appropriate for the rescue situations encountered)
  - i) First Aid, CPR and Automated External Defibrillator (AED) training initially and once every two years thereafter to maintain certification at required levels.
  - j) Other appropriate training

Wavetech documents and retains all of the following records:

- Employee training records
- Contractor-employee training records
- Records of any hazardous materials releases
- Records required under the SPCC plan
- Other related records in conformance with applicable laws and regulations