



CRESTONE PEAK
RESOURCES

SITE SPECIFIC
EMERGENCY RESPONSE PLAN

Submitted with Form 2A Application for

Sky Ranch 4-65 9-10 South
(Sky Ranch)

Plan Date: July 6, 2021

Submittal Date: August 4, 2021

**Crestone Peak Resources' Emergency Response Plan ("ERP") is
consistent with the requirements of COGCC Rule 602.j.**

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SECTION 1
SITE SPECIFIC INFORMATION

Crestone Peak Resources			
Name	Signature	Title	Date
Danny Knutson	<i>DNKnutson</i>	EHS Manager	7/26/2021
Fire District			
Name	Signature	Title	Date
<i>CALEB J. CONNOR</i>		<i>FIRE MARSHAL</i>	<i>7/30/2021</i>

SECTION 2
SITE SPECIFIC INFORMATION

a) Site Safety Requirements and General Information

The minimum personal protective equipment (PPE) to enter any Crestone Peak Resources production location includes hard hat, safety glasses, safety toe boots, fire resistant clothing (FRC), and a 4-gas monitor. All contractors and visitors are responsible for providing their employees with the appropriate training on and use of PPE while on Crestone Peak Resources locations. In addition, all contract personnel entering a Crestone Peak Resources location to perform work must understand and abide by Crestone Peak Resources' contractor expectations relating to environmental, health, and safety requirements.

The primary hazards that any person must be aware of while on a Crestone Peak Resources production location include, but are not limited to, the potential for release of hydrocarbon 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.

b) Emergency Muster/Assembly point(s)

Sky Ranch 4-65 9-10

Muster point is at the entrance to location. Muster locations will be identified during all safety briefings.

c) 911 Address and GPS coordinates

API# – Pending COGCC Permit Approval

Legal Description – T4S R65W Sec 10 NESE

Address – 11 A1-A12 North County Road 89 (N. Hayesmount Road), Aurora, Colorado, 80019

Lat/Long: Lat: 30.375225^oN Long: -104.300426^oW Elevation: 5987

d) Site description

The **Sky Ranch 4-65 9-10** Pad is a Crestone Peak Resources oil and gas production facility that will have 12 horizontal oil and gas wells along with (6) 500-barrel crude oil storage tanks and (2) 500 barrel produced water tanks located inside a lined secondary containment structure.

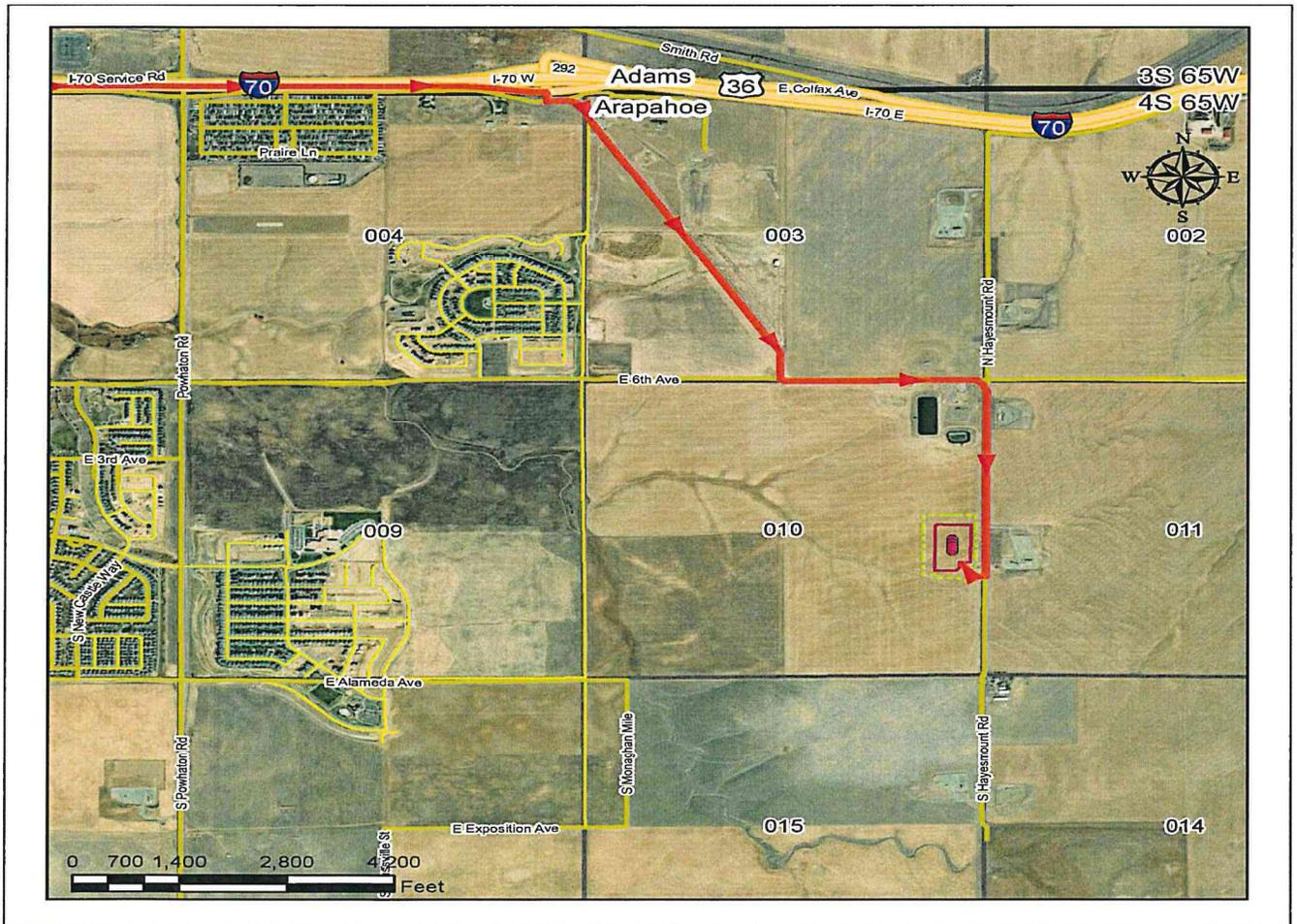
e) **Nearby schools and other High Occupancy Buildings**

No Schools near this location

One residence – 308 S Haysmount Road

f) **Directions to Project Locations**

Sky Ranch 4-65 9-10 - From I-70 Exit 292 Airpark Road. Travel south to frontage road and turn east then back south and take your first available left turn and travel southeast 1 mile. Turn east to N Haysmount Rd. Proceed South 0.5 miles and turn west into location.



- Disturbance Area
- Proposed Well Pad
- Facility
- Proposed Wells
- Proposed Access Road
- Public Roads
- ➔ Pad Driving Directions



From CR36 and I-70 Frontage Road - Exit 292, proceed South and then East on Monaghan Road ~0.25 miles then turn left and proceed Southeast 1.6 miles to Haysmount Rd. Proceed South 0.7 miles on Haysmount Rd then turn west into the LoneTree North location.

g) **Location of SDS sheets**

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's) will

be available from the Company Representative present or the contractor performing work on location.

h) Sign-In Sheets, JSAs, and Safety Forms

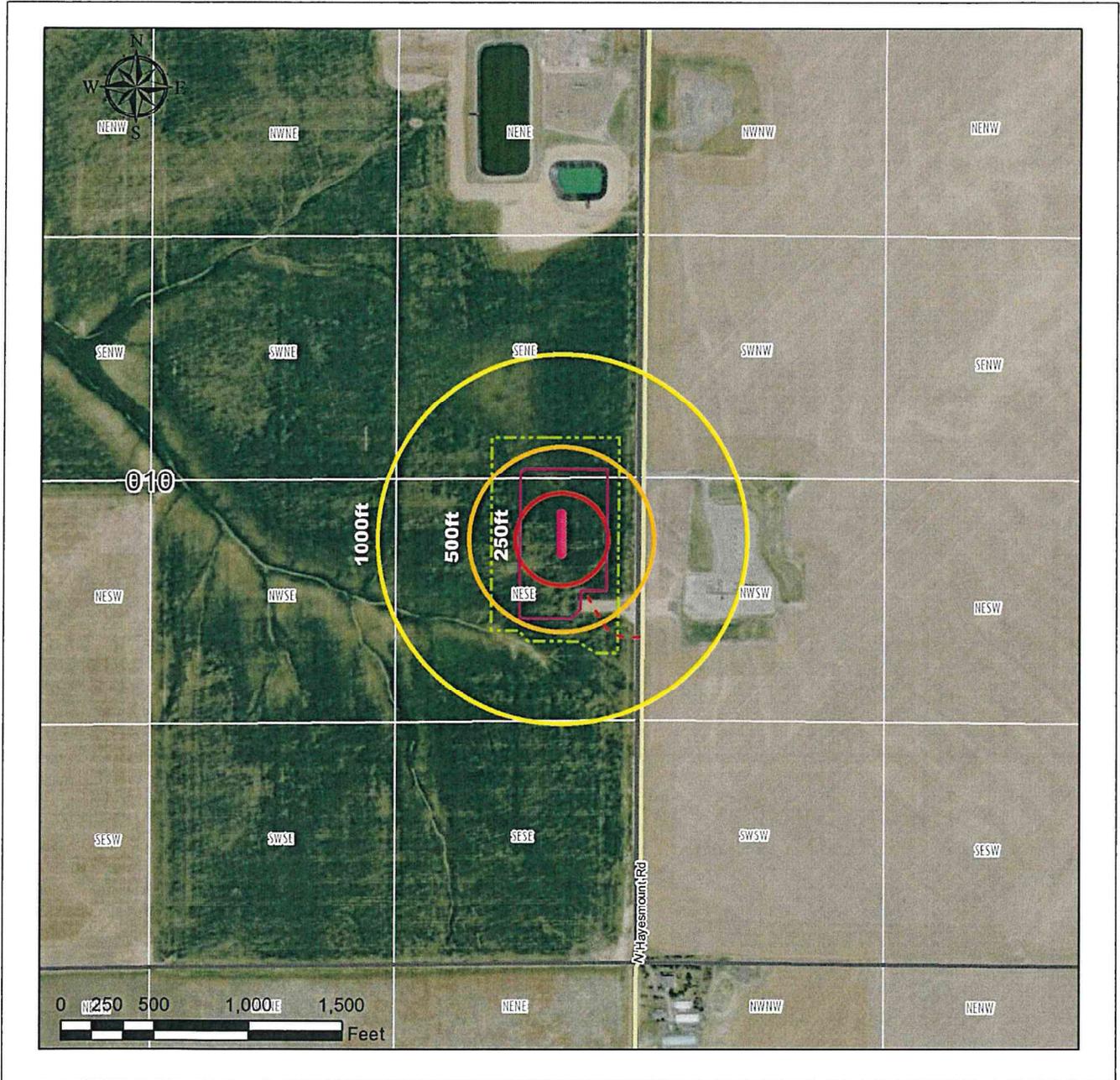
During drilling and completion activities all employees and approved visitors to the **Sky Ranch 4-65 9-10** will be required to enter through a manned security checkpoint at the location entrance where they will be required to sign in and will be provided with a detailed safety briefing of current operations 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. Security personnel are required to account for all persons entering or leaving location during active operations and in the event of an incident.

Once drilling and completion activities are finalized, the site will transition to its production phase and no unauthorized personnel will be allowed on location without first contacting a company representative. At this point, the primary chemicals stored on site will be crude oil and produced water.

Job Safety Analysis (JSA'S) are written every day, per task, or per shift if work crews are working 24/7 and can be found on location. This is performed by each contractor and kept in their files for review.

Section 3

Sky Ranch 4-65 9-10
250', 500', 1,000' Buffer



- Disturbance Area
- Proposed Well Pad
- Facility
- Proposed Wells
- Proposed Access Road
- Public Roads


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- 250ft Buffer
- 500ft Buffer
- 1000ft Buffer

Sky Ranch 4-65 9-10 Access Map and Muster Point

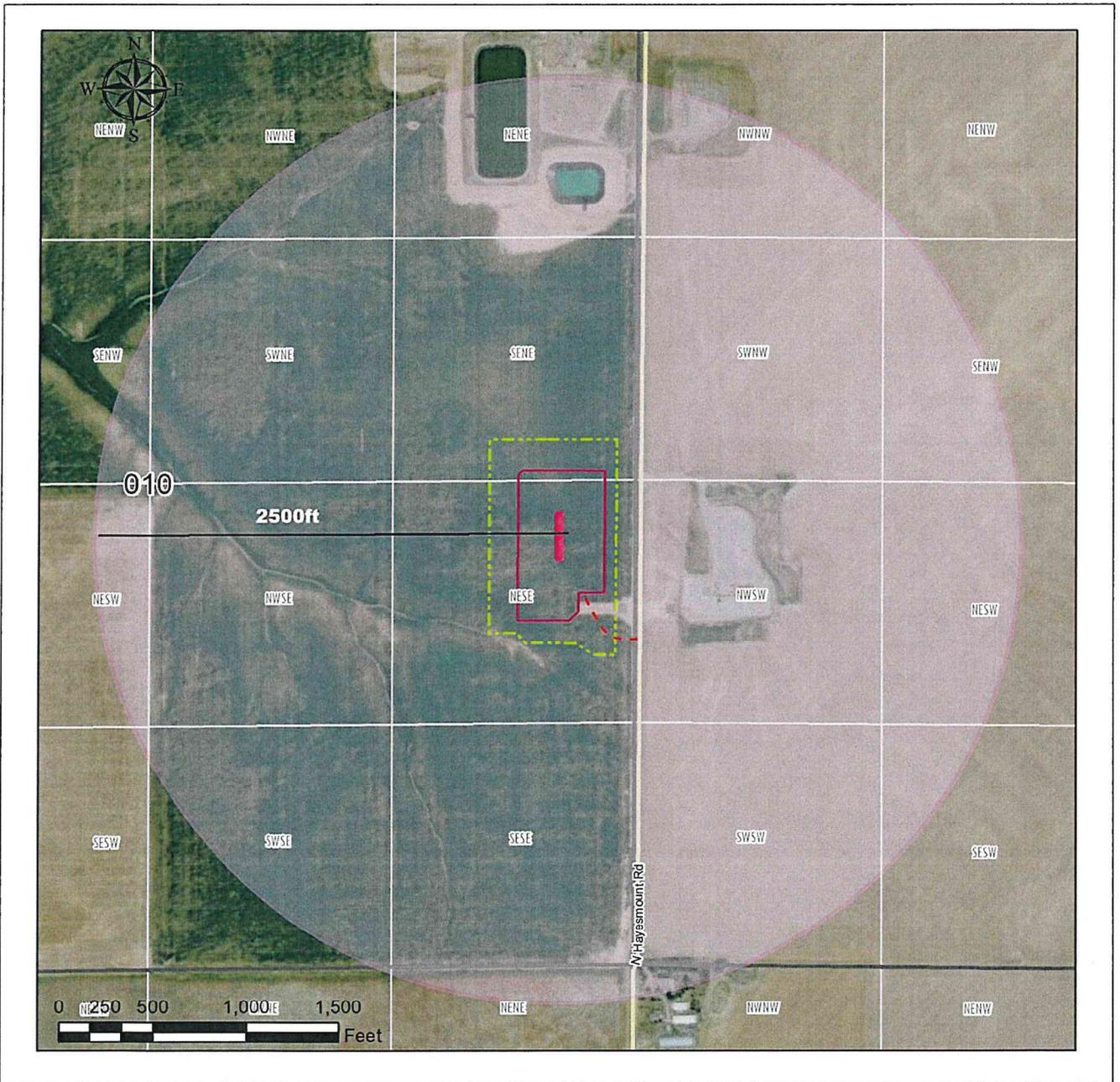


- | | |
|---|--|
|  Disturbance Area |  Proposed Wells |
|  Proposed Well Pad |  Proposed Access Road |
|  Facility |  Public Roads |


CRESTONE PEAK
 RESOURCES
Sky Ranch 4-65 9-10
 6/28/2021

- | |
|--|
|  Site Entrance |
|  Primary Muster Point |
|  Secondary Muster Point |

2500 Foot Buffer Area Map



- | | | | |
|---|-------------------|---|----------------------|
|  | Disturbance Area |  | Proposed Wells |
|  | Proposed Well Pad |  | Proposed Access Road |
|  | Facility |  | Public Roads |


CRESTONE PEAK
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Sky Ranch 4-65 9-10
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2500ft Buffer

Section 4
List of Emergency Contacts

a) Crestone Peak Resources

Name	Office Phone	Emergency/Cell
1801 California St. Suite 2500, Denver, Co 80202	720-410-8500	303-659-7740
10188 East I-25 Frontage Rd. Firestone, Co, 80504	303-774-3900	303-659-7740
Crestone Peak Resources EHS on call emergency number	303-774-3900	303-659-7740
EHS Supervisor- David Stewart	303-774-3909	Cell 970-888-2535
EHS – Safety: Danny Knutson	303-774-3965	Cell 970-309-7510
EHS – Environmental Taryn Weiner	303-774-3908	Cell 720-360-9226

b) Crestone Peak Resources community/media relations

Name	Office	Cell Phone
Jason Oates	720-410-8489	720-785-4806
Glen Stark	303-774-4004	720-822-0175

c) First Responders

Name	Emergency	Non-Emergency Dispatch	Office Number
Bennett Fire Protection District	911	720-258-8911	303-644-3572
Arapahoe County Sheriff	911	303-795-4711	303-795-4711
Arapahoe County OEM	911	303-795-4711	303-795-4711
Colorado State Patrol	911	303-239-4501	719-775-2964

d) Regulator Contacts

Name	Office Phone	Cell Phone
COGCC	303-894-2100	none
CDPHE	877-518-5608	none
Colorado Parks & Wildlife	303-291-7227	none
National Response Center	800-424-8802	

e) Medical Facilities

Name	Office Phone	Cell Phone
University of Colorado Hospital	720-848-0000	N/A
The Medical Center of Aurora - South	303-360-0242	N/A
Parker Adventist Hospital	(303) 269-4000	N/A

f) Spill Response Organization

Name	Office Phone	Cell Phone
David Tewkesbury (Primary Weekdays)		720-236-5525
Confluence		970-462-7087
Apex		720-215-4720

g) Fire, explosion, associated with loss of well control.

Name	Office Phone
Bennett Fire Protection District	911 or 720-258-8911
Wild Well Control, Inc.	281-353-5481
Northern Colorado Medical Facility (Burn Unit)	970-810-4121
Arapahoe County Office of Emergency Management	720-874-3804

h) Government Agencies

Name	Office Phone
Arapahoe County Sheriff's Office	911 or 303-795-4711
COGCC	303-894-2100
CDPHE	877-518-5608
Arapahoe County OEM	911 or 303-795-4711

i) Railroad Emergency Response

Name	Office Phone
Union Pacific Railroad	888-877-7267

Section 5

Spill Response and Clean Up

a) Spill Response

There are multiple types of hydrocarbons which can be released/spilled during oil and gas production and exploration. Most commonly released are unrefined products such as crude oil and 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 Colorado Oil and Gas Conservation Commission (COGCC) 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 Apex and the 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.

In the event of a large incident requiring outside assistance, Crestone Peak Resources has contracted with Wild Well Control who possesses a working knowledge of oil and gas operations, emergency response and Incident Command. Once notified Wild Well Control personal can be on location from 6 to 12 hours.

b) Spill Reporting

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

- Spill and leaks shall be reported to the local fire department by using 911 in accordance with the provisions contained in the adopted International Fire Code.
 - ***IFC § 5704.2.7.10 Leak reporting.*** *A consistent or accidental loss of liquid, or other indication of a leak from a tank or system, shall be reported immediately to the fire department, the fire code official and other authorities having jurisdiction.*
- A spill/release will be reported to the COGCC if released material is property of Crestone Peak Resources and meets the COGCC reporting thresholds (see below), an example would be crude oil released from a separator or produced water from a water vault.
- A spill/release will be reported to the Arapahoe County LEPC if released material is

property of Crestone Peak Resources and meets the COGCC reporting thresholds (see below),

- 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 an oil hauler over filling a truck and spills product onto the ground next to a flowing irrigation ditch.

Spills are reportable to the COGCC in the following circumstances:

1. the spill or release impacts or threatens to impact any waters of the state, a residence or occupied structure, livestock, or a public byway.
2. a spill or release in which 1 barrel or more is released outside of berms or other secondary containment; or
3. any spill or release of 5 barrels or more. If the spill impacts or threatens to impact waters of the state (which include surface water, ground water and dry gullies or storm sewers leading to surface water), it must also be reported immediately to CDPHE (25-8-601 CRS).
4. Petroleum releases of 25 gallons or more

Once a spill is determined reportable, there is a 24-hour deadline to make initial notification to the COGCC or CDPHE depending on product ownership. Spills/releases in the custody of Crestone Peak Resources 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 Crestone Peak Resources.

These regulatory guidelines will be strictly followed by Crestone Peak Resources and any contractors operating under Crestone Peak Resources guidance during all activities.

Section 6

Reportable quantities

a) Reportable quantities

Mandated by Section 312 of the Emergency Planning and Community Right-To-Know Act (EPCRA) – also known as SARA Title III – the Tier II form captures information about the types, quantities, and locations of hazardous chemicals at a given facility. The form also lists contact information for the facility's designated emergency point-of-contact.

Any facility that is required to maintain MSDSs (or SDSs) under the Occupational Safety and Health Administration (OSHA) regulations for hazardous chemicals stored or used in the workplace.

Facilities with chemicals in quantities that equal or exceed the lists of lists thresholds must report.

- Propane, benzene, propene, and methane are on the lists and are known to be in crude oil. In addition, diesel is on the lists and may be stored on sites during construction.

b. Reportable requirements

If your facility will meet the requirements under 40 CFR, you must submit your Tier II report to the state every year before March 1st.

These regulatory guidelines will be strictly followed by Crestone Peak Resources and any contractors operating under Crestone Peak Resources guidance during all activities.

Section 7

Evacuation Information

a. Evacuation Plan Procedures (public)

The procedure to be used in alerting nearby persons 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 Crestone Peak Resources representative will immediately notify proper authorities, including the fire department, 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 Crestone Peak Resources 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 Crestone Peak Resources 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.
4. General:
 - a. The area included within the radius of exposure is 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.
 - b. 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. Crestone Peak Resources will fully cooperate with these authorities and will exert every effort by careful advice to such authorities to prevent panic or rumors.
 - c. Crestone Peak Resources 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 8

Coordination with First Responder Agencies

- a) Crestone Peak Resources will communicate site construction, drill spud, completion operations and Production Turn-In-Line dates to the Bennett Fire Protection District and the Arapahoe County Office of Emergency Management for coordination/communication with local first responders. These start dates will be provided a minimum of 7 business days prior to commencement or change in oil and gas development operations.
- b) In the event of an emergency requiring First Responders, Unified Command will be established between the Crestone Peak Resources appointed company man on location and First Responders present. Unified Command post will be established based on conditions present at time of incident.
- c) While foam is not currently supplied for oil and gas emergency response, Crestone Peak Resources is an active member of Colorado Preparedness and Response Network (CPRN), and a solution is being sought through a cooperative effort including other operators, First Responders and Arapahoe County. It is Crestone Peak Resources intention to have established a source of foam sitting at our Hub Facility.
- d) Crestone Peak Resources EHS representative and first responders identified in this Site Safety and Emergency Action Plan have reviewed this plan and discussed coordination efforts in the event of an emergency requiring first responder assistance.