

**NOTICE OF REVIEW OF A DELTA COUNTY
SPECIFIC DEVELOPMENT APPLICATION SD19-005**

Pursuant to the Delta County Specific Development Regulations you are hereby notified that Hubbard Creek Coal Gas, LLC, Applicant, has applied for approval of a Specific Development application for the installation and operation of a methane oxidizer at the Bowie #2 Mine from an existing bore hole. The site is located north of Hubbard Creek Road in SW1/4, Section 10, Township 13S, Range 91W.

The following information was taken directly from the application provided by the applicant:

Hubbard Creek Coal Gas, LLC (HCCG) proposes a minor development to extract coal mine methane from the Bowie Resource, Bowie #2 mine in Delta County. The coal mine methane will be oxidized in an enclosed flare. The site is located north of Hubbard Creek Road. Coal mine methane will be extracted from the Bowie #2 mine from an existing borehole using a vacuum pump powered by a 20 HP electric motor. The gas will pass through a water separator before being piped to an enclosed vertical oxidizer where the methane gas (CH₄) will be converted to Carbon Dioxide (CO₂). The system will be operated and monitored automatically by a computer. The system will be connected to the internet from a satellite link and cell phone connection and powered by a 36 KW diesel generator with a 200 gallon fuel tank. No adverse impacts to adjacent land owners. Coal mine methane will be converted to CO₂ and water vapor. No natural hazards exist or will be created by this development. The construction and operation of this project will have no impacts to the roads in Delta County. The site will be accessed by Colorado State Highway 133 and Bowie Road. A four week construction period is projected. At that time, delivery of the equipment will be on 6 to 8 highway legal trucks. One to two cranes will be required for unloading and placement of the equipment. One to two concrete ready mix trucks will deliver the cement for a concrete pad for the thermal oxidizer. Pickup trucks and trailers will deliver the required fencing material. Eight to ten truckloads of gravel will be used at the site. Five to ten construction personnel will access the site in light duty trucks and/or automobiles. After operations begin, one to two trips per week will be made by maintenance personnel to check, service and deliver fuel to the site. All operating and maintenance personnel associated with the project will be trained on the Emergency Response Plan (ERP). The proposed project is within the Bowie Mine #2 permit area and is compatible with the mine use. The site is leased from Bowie with an agreement to utilize coal mine methane. All developments shall comply with any Federal, State, and/or Local Regulation applicable to the proposed development. Copies of any Federal, State, and/or Local permit obtained for the development will be submitted to the Planning Department prior to the commencement of operations. HCCG, LLC's parent company, Oxbow Mining, LLC is a bonded coal mine operator in the state of Colorado. The development is not within a floodplain. The site is on a previously disturbed drill hole site. The foundation for the thermal Oxidizer will be designed by a qualified engineer. No lighting is proposed. The site will be unmanned. No irrigation or Ditch Easements exist at the site. Access to the site is existing on the Bowie property. The nearest residence is over 1 mile in distance from the project. No parking on streets or roads will occur. No agriculture operations will be impacted. No potable water and no sewage is required. A portable toilet will be provided during construction. The nearest source of water for fire protection is the North Fork of the Gunnison River. No undue risk of fire will occur. The site will be accessed from the existing Bowie #2 access road from the Hubbard Road. The site is 0.4 acres. The impervious area is less than 20,000 sq. ft. No new disturbance will be created. No streams, rivers or creeks exist on the site. The site is not within a wildfire hazard area. The site does not impede any wildlife patterns or migration. 4 to 6 weeks of intermittent construction will occur. The development will occur in 2019.

Note: A public meeting is scheduled for this application with the Board of County Commissioners on **May 07, 2019 at 10:00 a.m.** at the Delta County Courthouse Room 236. Any written comments on this proposed development must be received by the Delta County Planning Department no later than **May 07, 2019** at the Delta County Courthouse, 501 Palmer Street, #115, Delta, CO 81416 or e-mail to planning@deltacounty.com or by faxing to 874-2500. If you have any questions you may call the Planning Department at 874-2110.

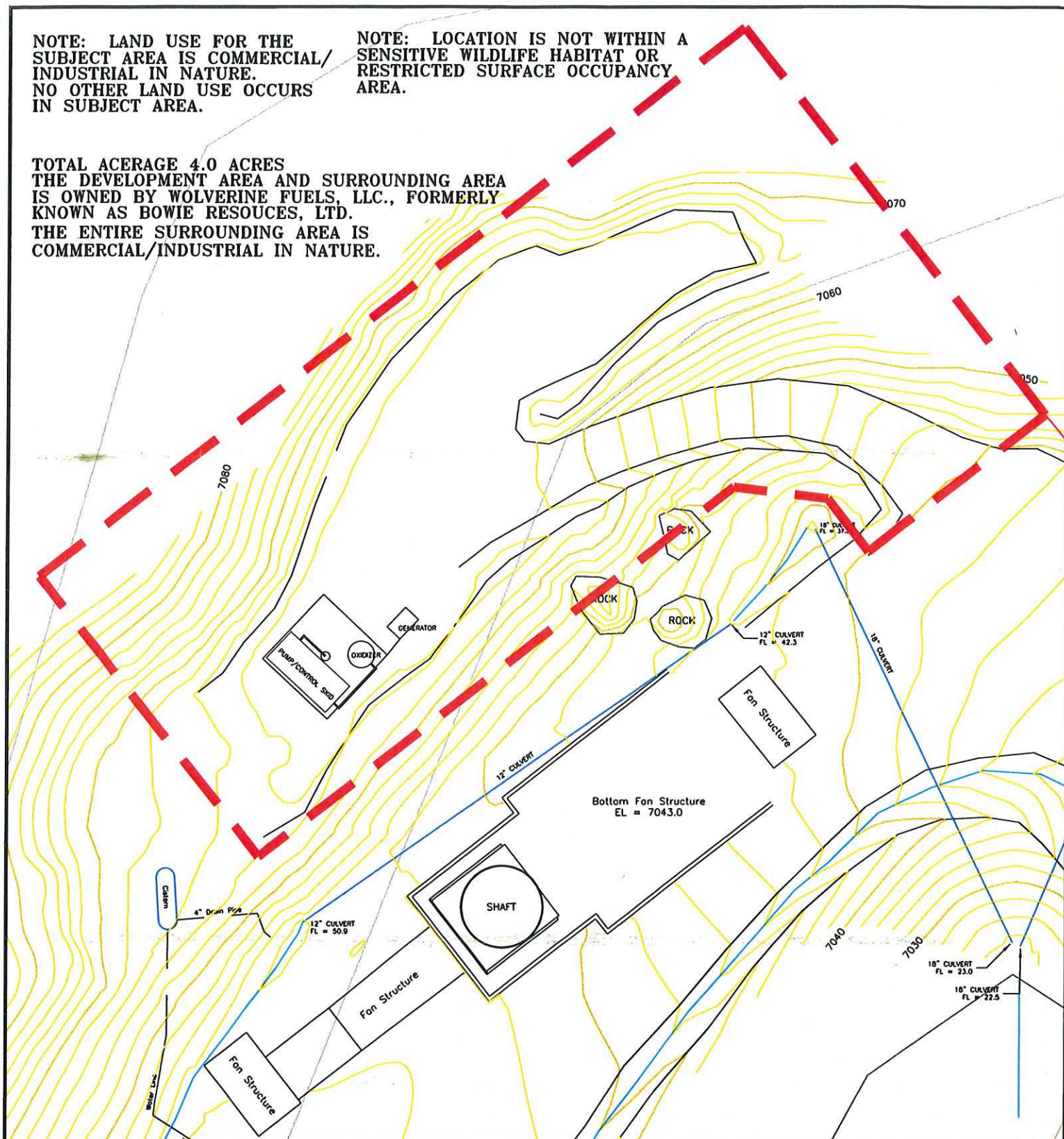
Hubbard Creek Coal Gas Site – Bowie #2 Mine



NOTE: LAND USE FOR THE
SUBJECT AREA IS COMMERCIAL/
INDUSTRIAL IN NATURE.
NO OTHER LAND USE OCCURS
IN SUBJECT AREA.

NOTE: LOCATION IS NOT WITHIN A
SENSITIVE WILDLIFE HABITAT OR
RESTRICTED SURFACE OCCUPANCY
AREA.

TOTAL ACERAGE 4.0 ACRES
THE DEVELOPMENT AREA AND SURROUNDING AREA
IS OWNED BY WOLVERINE FUELS, LLC., FORMERLY
KNOWN AS BOWIE RESOURCES, LTD.
THE ENTIRE SURROUNDING AREA IS
COMMERCIAL/INDUSTRIAL IN NATURE.



SCALE



CONTOUR INTERVAL 2 FT.

DEVELOPEMENT AREA

HCCG, LLC. P.O. BOX 535 SOMERSET, CO. 81434

HUBBARD CREEK COAL GAS, LLC.
Small Development Application

**Bowie No. 1 Well
SITE PLAN
PROPOSED DEVELOPMENT**
Delta County, Colorado

Date:
MAR 20
2019

N:\Bowie Gas Recovery Project\Permit Drawings\Delta County Site Plan 3-20-19.dwg
H:\2019\Bowie 2019\Delta County\Delta County Site Plan 3-20-19.dwg

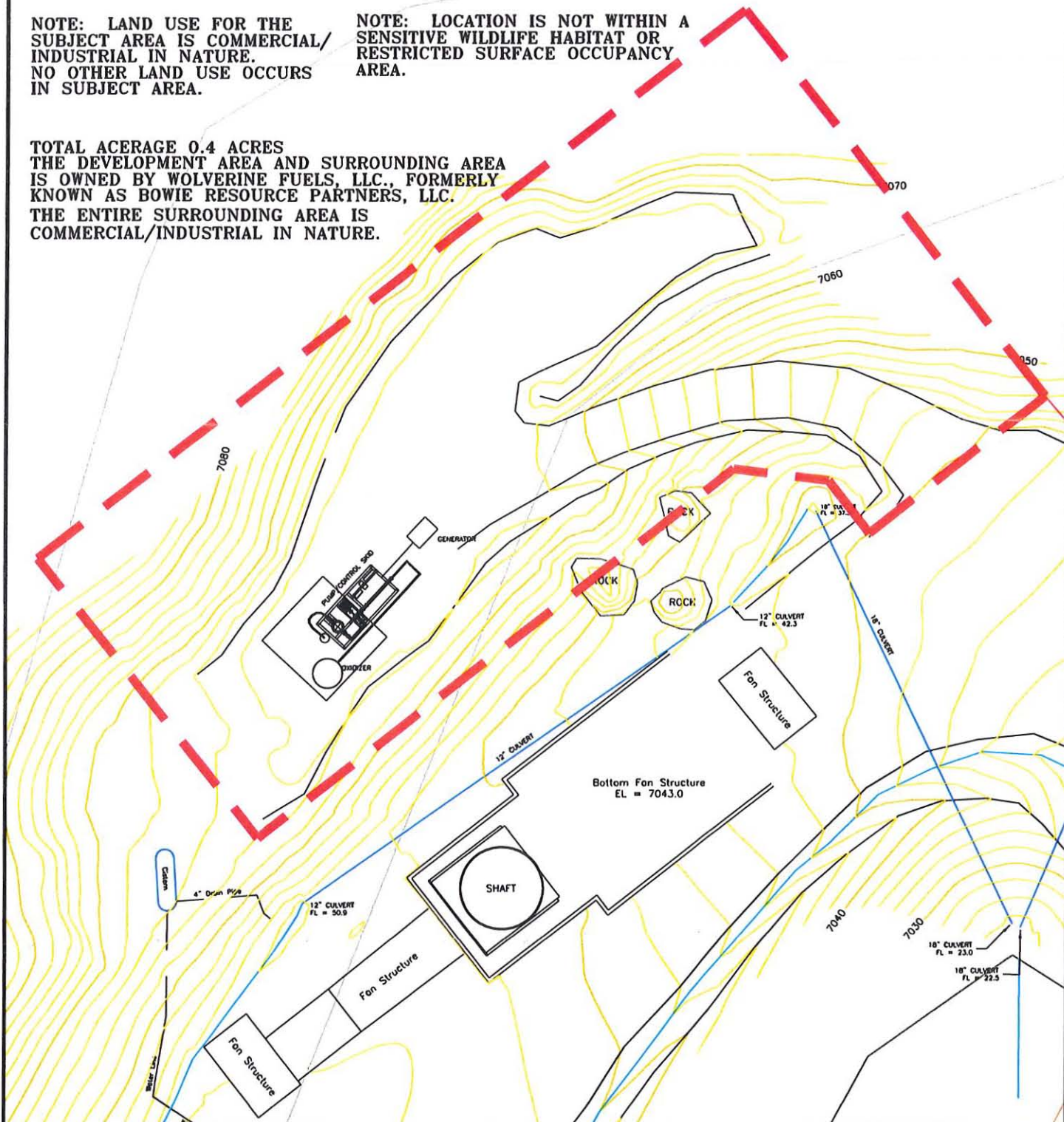
Scale 1" = 30'

Sheet 1 of 1

NOTE: LAND USE FOR THE SUBJECT AREA IS COMMERCIAL/ INDUSTRIAL IN NATURE. NO OTHER LAND USE OCCURS IN SUBJECT AREA.

NOTE: LOCATION IS NOT WITHIN A SENSITIVE WILDLIFE HABITAT OR RESTRICTED SURFACE OCCUPANCY AREA.

TOTAL ACERAGE 0.4 ACRES
THE DEVELOPMENT AREA AND SURROUNDING AREA IS OWNED BY WOLVERINE FUELS, LLC., FORMERLY KNOWN AS BOWIE RESOURCE PARTNERS, LLC. THE ENTIRE SURROUNDING AREA IS COMMERCIAL/INDUSTRIAL IN NATURE.



SCALE



CONTOUR INTERVAL 2 FT.

DEVELOPEMENT AREA

HCCG, LLC. P.O. BOX 535 SOMERSET, CO. 81434

HUBBARD CREEK COAL GAS, LLC.
Small Development Application

**Bowie No. 1 Well
SITE PLAN
PROPOSED DEVELOPMENT
Delta County, Colorado**

Date: MAR 20 2019
N:\Bowie Gas Recovery Project\Permit Drawings\Delta County Site Plan 3-20-19.dwg
H:\2019\Bowie 2019\Delta County\Delta County Site Plan 3-20-19.dwg

Scale 1" = 30'

Sheet 1 of 1

OXBOW MINING LLC
BOWIE No 1 Well
NW1/4 SW1/4, SECTION 10
T 13 S, R 91 W, 6th PM
Delta County, Colorado

North Line Sec. 10
 N 89°10' W 6385.60'
 GLO Record

Northwest Corner Sec. 10
 Found 1908 GLO Brass Cap
 Lat = 38°58'33".5543 N
 Long = 107°33'40".0107 W

Basis of Elevation
 Bureau of Reclamation Bench Mark
 Brass Cap USGS Elev = 5947.0
 Located on Concrete Structure on the
 Fire Mtn Canal, located in the NW1/4
 Section 9, T13S, R91W 6th PM

West Line Section 10
 N 04°18'46" E 5131.02'
 N 04°13' E 5108.4'
 Surveyed
 GLO Record

East Line Sec. 10
 N 05°19' E 5145.36'
 GLO Record

Vent Shaft, Well Casing
 1524.0 Ft North of South Section Line
 1005.4 Ft East of West Section Line
 Lat = 38°55'57".8309
 Long = 107°32'56".6280
 Ground Elev = 7083.4

Southwest Corner Sec. 10
 Found 1908 GLO Brass Cap
 Lat = 38°55'42".9571 N
 Long = 107°33'10".7792 W

South 1/4 Corner Sec. 10
 Found 1908 GLO Brass Cap
 Lat = 38°55'42".5068 N
 Long = 107°32'37".2619 W

South Line SW 1/4 Section 10
 N 89°00'28" W 2847.15'
 N 89°35' W 2844.9'
 Surveyed
 GLO Record

South Line SW 1/4 Section 10
 N 89°00'28" W 2848.12'
 N 89°35' W 2844.9'
 Surveyed
 GLO Record

Southeast Corner Sec. 10
 Found 1908 GLO Brass Cap

I, Stephen B Cragg, do hereby certify that the above
 drillhole location has been surveyed by me and under
 my direct supervision and that such survey is
 accurately represented hereon.

Stephen B Cragg 24944 29, 2018

Stephen B. Cragg
 PLS 24944



Basis of Bearings,
 The South Line of the SW1/4 Section 10
 Which Bears N 89°00'28" W,
 Monumented with GLO Brass Caps

00 1000 2000 Feet

SCALE 1"=1000'

CRAGG SURVEYING
Stephen B. Cragg
14762 2900 Road
Hutchkiss, Colorado 81419
870-872-2258

Prepared For:
OXBOW MINING LLC
BOWIE No 1 WELL
NW1/4 SW1/4, SECTION 10
T 13 S, R 91 W, 6th PM
Delta County, Colorado

10\26\18	Well Location	SBC
DATE	DESCRIPTION	BY

