



March 19, 2015

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Bureau of Land Management 620 E. Greene Carlsbad, NM 88220 575-887-6544

#### Dear Sirs:

XTO Energy Inc. does not anticipate encountering H2S while drilling the Outrider Federal #5H located in Section 21, T24S, R32E, in Lea County, New Mexico. As a precaution, I have attached an H2S contingency plan. If you need anything further, please contact me at the telephone number or email listed above.

Thank you, Atephanie Rabadus

Stephanie Rabadue Regulatory Analyst



### **HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN**

# Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

### **Emergency Procedures**

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- · Have received training in the
  - o Detection of H2S, and
  - o Measures for protection against the gas,
  - o Equipment used for protection and emergency response.

### Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H₂S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = I	2 ppm	N/A	1000 ppm

**Contacting Authorities** 

XTO Energy Inc's personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

# **EUNICE OFFICE – EDDY & LEA COUNTIES**

EMSU @ Oil Center, NM, 8/10ths mile west of Hwy 8 on Hwy 175 Eunice, NM	575-394-2089
XTO ENERGY INC PERSONNEL:	
Milton Turman, Sr. Drilling Superintendent Bob Chance, Drilling Superintendent Jeff Raines, Construction Foreman Dudley McMinn, EH & S Manager Rick Wilson, Production Foreman	432-556-7403 432-296-3926 432-557-3159 432-557-7976 575-441-1147
SHERIFF DEPARTMENTS:	
Eddy County Lea County	575-887-7551 575-396-3611
NEW MEXICO STATE POLICE:	575-392-5588
FIRE DEPARTMENTS:	
Carlsbad Eunice Hobbs Jal Lovington	911 575-885-2111 575-394-2111 575-397-9308 575-395-2221 575-396-2359
HOSPITALS:	
Carlsbad Medical Emergency Eunice Medical Emergency Hobbs Medical Emergency Jal Medical Emergency Lovington Medical Emergency	911 575-885-2111 575-394-2112 575-397-9308 575-395-2221 575-396-2359
AGENT NOTIFICATIONS:	
Bureau of Land Management New Mexico Oil Conservation Division Mosaic Potash - Carlsbad	575-393-3612 575-393-6161 575-887-2871
CONTRACTORS:	
ABC Rental – Light Towers Bulldog Services – Trucking/Forklift Champion – Chemical Indian Fire & Safety Key – Dirt Contractor Key Tools – Light Towers Sweatt – Dirt Contractor RWI – Contract Gang	575-394-3155 575-391-8543 575-393-7726 575-393-3093 575-393-3180 575-393-2415 575-397-4541 575-393-5305