

**105 S. Fourth Street  
Artesia, NM 88210**

# Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan

**For**

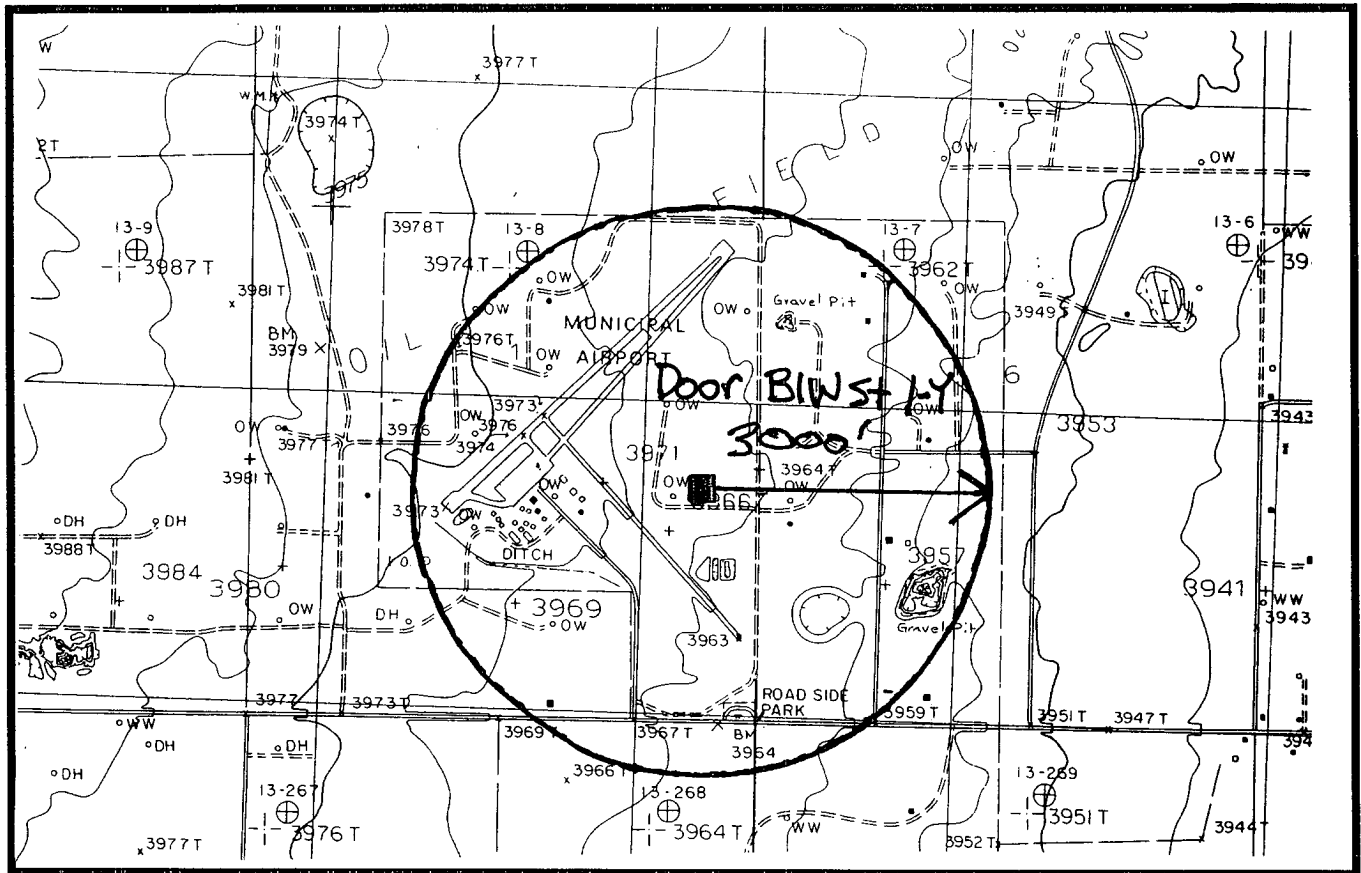
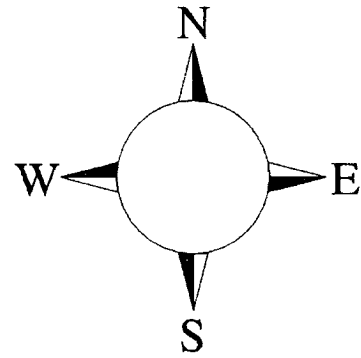
## Door BIW State #1-Y

**2310' FSL and 610' FEL Surface Location  
1650' FSL and 660' FEL Bottom Hole Location  
Section-1, T-16S, R-35E  
Lea County NM**



## Door BIW State #1-Y Location

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.



Assumed 100 ppm ROE = 3000  
 100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

## Emergency Procedures

In the case 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. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H<sub>2</sub>S, measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must 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 during the 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 there 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	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = 1	2 ppm	N/A	1000 ppm

## Contacting Authorities

YPC 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. The following call list of essential and potential responders has been prepared for use during a release. YPC Company response must be in coordination with the State of New Mexico’s ‘Hazardous Materials Emergency Response Plan’ (HMER)

## ***Yates Petroleum Corporation Phone Numbers***

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YPC Office ..... (505) 748-1471  
Pinson McWhorter/Operations Manager ..... (505) 748-4189  
Darrel Atkins/Production Manager ..... (505) 748-4204  
Ron Beasley/Prod Superintendent ..... (505) 748-4210  
Al Springer/Drilling ..... (505) 748-4225  
Paul Hanes/Prod. Foreman/Roswell ..... (505) 624-2805  
Jim Krogman/Drilling Superintendent..... (505) 748-4215  
Artesia Answering Service ..... (505) 748-4302  
(During non-office hours)

### **Agency Call List**

#### **Lea County (505)**

Lea Co. Sheriff 505 396 3611  
Lovington Police Dept. 505 396 2811  
Lovington Fire Dept. 505 396 2359  
Nor Lea Regional Hospital 505 396 6611  
Emergency 911  
Ambulance 911  
Life Flight – Arrow Care 800 627 2376  
( Will need to provide Lat. & Long. For location )  
Dept. of Public Safety 505 392 5588  
New Mexico DOT 505 827 5100  
Oil Conservation Division 505 393 6161  
US Dept. Of Labor 505 248 5302

#### **Safety Contractor:**

American Safety 505 746 1096  
New Mexico Emergency Response Commission (Santa Fe) (505)476-9600  
24 HR .....(505) 827-9126  
New Mexico State Emergency Operations Center.....(505) 476-9635  
National Emergency Response Center (Washington, DC) ...(800) 424-8802

#### **Other**

Boots & Coots IWC .....1-800-256-9688 or (281) 931-8884  
Cudd Pressure Control.....(915) 699-0139 or (915) 563-3356  
Halliburton .....(505) 746-2757  
B. J. Services.....(505) 746-3569

Flight For Life -4000 24th St, Lubbock, TX .....(806) 743-9911  
Aerocare -Rr 3 Box 49f , Lubbock, TX .....(806) 747-8923  
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuq, NM .....(505) 842-4433  
S B Air Med Svc 2505 Clark Carr Loop SE, Albuq, NM .....(505) 842-4949