

## Permit Comments

**Operator:** SOUTHWESTERN ENERGY PRODUCTION COMPANY , 148111

**Well:** NO BLUFF STATE COM #009

30-015-34050

User Name	Comment	Comment Date
TSJASSO	Contingency Plan for the No Bluff #9 has been Fedex to Mr. Arrant on 4/6/05.	4/6/2005
TSJASSO	Fedex pit permit to Mr. Barton on 4/6/05, please notify when approved.	4/6/2005



**Southwestern Energy  
Company**

**Southwestern Energy Production Company**  
**2350 N. Sam Houston Parkway East**  
**Suite 300**  
**Houston, Texas 77032**

RECEIVED

APR 07 2005

## CONCLUSIONS

30-015-34050

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

**For**

# No Bluff #9

# And

**Subsequent wells located on 80 acre lease  
as noted on attached Survey Plat.**

These wells are open drilling sites. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of the 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' (Radius of Exposure)  
100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

### **Escape:**

Escape will be by taking the lease road going west approximately 0.2 miles. Continue past the "Y" intersection approximately 0.1 miles and turn right. Go northwest for approximately 1.0 miles to co. road #225 traveling northeast until the intersection of co. road #204. Travel northwest on co. road #204 until crossing hwy 82. 9.5 west is the town of Artesia.

### **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

Southwestern Energy Production Company personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the NMOCD 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. Southwestern Energy Production Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

### Southwestern Energy Production Call List      Office      Cellular

Bruce Drummon – Production Foreman.....	505-393-1850.....	505-631-8083
Kurt Butler – Production Engineer ..	281-618-4749.....	713-569-2926
Wilton Townsend – Drilling Consultant.....	281-618-4869.....	713-898-5976
Sonny Bryan – Drilling Manager.....	281-618-4769.....	713-502-4046
Mike McAllister – HSE Manager....	281-618-4824.....	713-560-0856

### Agency Call List

#### Eddy County (505)

##### Artesia

State Police .....	746-2703
City Police.....	746-2703
Sheriff's Office .....	746-9888
Ambulance.....	911
Fire Department .....	746-2701
LEPC (Local Emergency Planning Committee) .....	746-2122
NMOCD.....	748-1283

##### Carlsbad

State Police .....	885-3137
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City Police.....	885-2111
Sheriff's Office.....	887-7551
Ambulance.....	911
Fire Department.....	885-2111
LEPC (Local Emergency Planning Committee).....	887-3798
US Bureau of Land Management.....	887-6544

New Mexico Emergency Response Commission (Santa Fe)	(505)476-9600
24 HR .....	(505) 827-9126
National Emergency Response Center (Washington, DC)	...(800) 424-8802

#### Other

Wild Well Control	(281) 353-5481
Boots & Coots IWC	1-800-256-9688 or (281) 931-8884
Cudd Pressure Control	(915) 699-0139 or (915) 563-3356
Halliburton .....	(432) 682-4305
B. J. Services.....	(505) 392-5556
B.J. Services	(505)746-3140
Schlumberger	(505) 748-1391

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