

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

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Hydrogen Sulfide (H²S) Contingency Plan

For

No Bluff #3

And

No Bluff #4

No Bluff #3 and No Bluff #4

These wells are open drilling sites. H²S monitoring equipment and emergency response equipment will be used within 500' of the zones known to contain H²S, including warning signs, wind indicators and H²S monitor.

Assumed 100 ppm ROE = 3000' (Radius of Exposure) 100 ppm H²S 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 H₂S, 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_2S , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H_2S 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 (SO₂). 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 H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentr- ation
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	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, theNMOCD 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		
Mike McAllister – HSE Manager		

Agency Call List

Eddy County (505)

Artesia · · · · · · · · · · · · · · · · · · ·	
State Police	746-2703
City Police	746-2703
Sheriff's Office	
Ambulance	
Fire Department	746-2701
LEPC (Local Emergency Planning Committee)	
NMOCD	

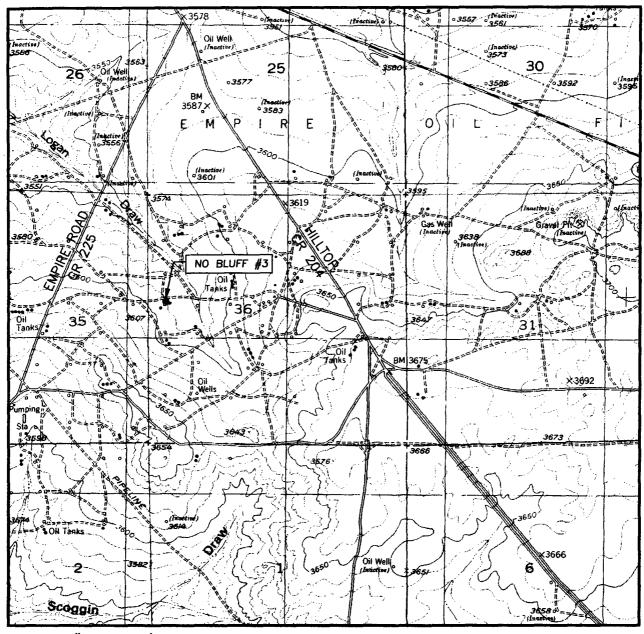
arlsbad	005 2125
State Police	
City Police	885-2111
Sheriff's Office	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee)	
US Bureau of Land Management	887-6544
New Mexico Emergency Response Commission (Santa Fe)	(505)476-9600
24 HR	(505) 827-9126
National Emergency 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

LOCATION VERIFICATION MAP



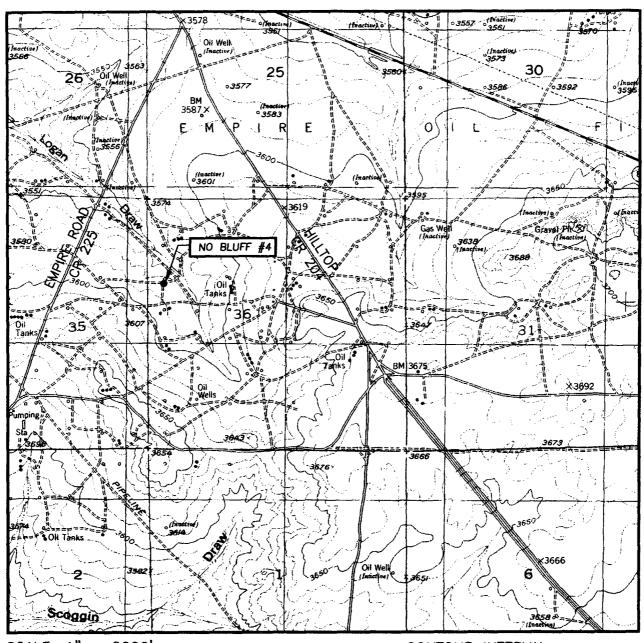
SCALE: 1" = 2000'

CONTOUR INTERVAL: REDLAKE, N.M. - 10'

SEC. 36	TWP. <u>17-S</u> RGE. <u>27-E</u>
SURVEY	N.M.P.M.
COUNTY	EDDY
	N 2264' FNL & 366' FWL
	3595'
_	SOUTHWESTERN ENERGY PRODUCTION COMPANY
	NO BLUFF
	POGRAPHIC MAP



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: REDLAKE, N.M. - 10'

SEC. <u>36</u> TWP. <u>17-S</u> RGE. <u>27-E</u>
SURVEY N.M.P.M.
COUNTYEDDY
DESCRIPTION 1765' FNL & 330' FWL
ELEVATION3583'
SOUTHWESTERN ENERGY OPERATOR PRODUCTION COMPANY
LEASE NO BLUFF
U.S.G.S. TOPOGRAPHIC MAP REDLAKE, N.M.



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