



**Southwestern Energy
Company**

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

Hydrogen Sulfide (H²S) Contingency Plan

For

No Bluff #3

And

No Bluff #4

**RECEIVED
JAN 04 2005
ODD ARTESIA**

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 H₂S, measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H₂S 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 Concentration
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, 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 Engineer281-618-4749..... 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 Manager281-618-4824..... 713-560-0856

Agency Call List

Eddy County (505)

Artesia

State Police746-2703
 City Police.....746-2703
 Sheriff's Office746-9888
 Ambulance911
 Fire Department746-2701
 LEPC (Local Emergency Planning Committee)746-2122
 NMOCD.....748-1283

Carlsbad

State Police885-3137
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

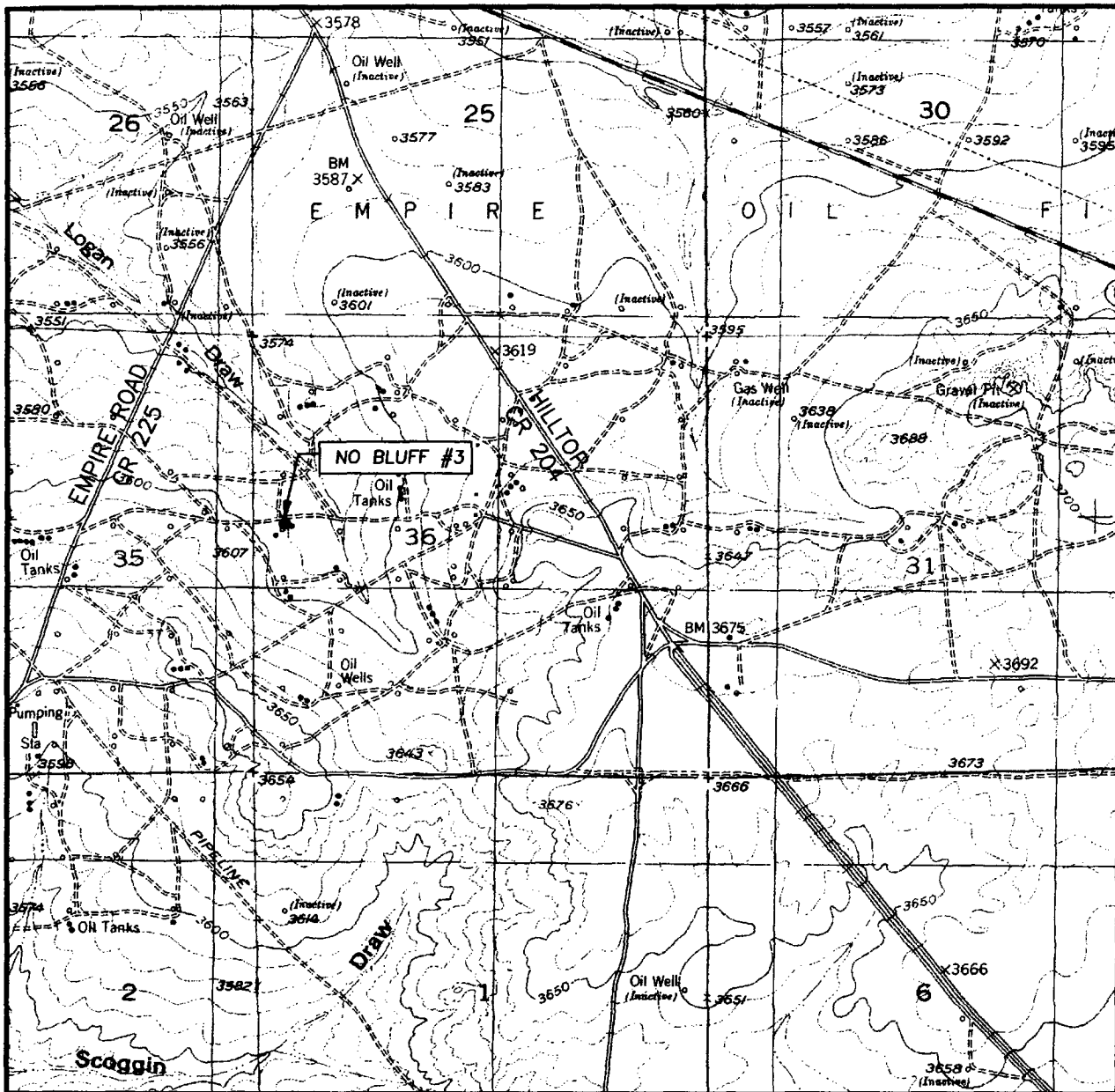
New Mexico Emergency Response Commission (Santa Fe) (505)476-9600
24 HR(505) 827-9126
National Emergency Response Center (Washington, DC) ...(800) 424-8802

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 36 TWP. 17-S RGE. 27-E

SURVEY N.M.P.M.

COUNTY EDDY

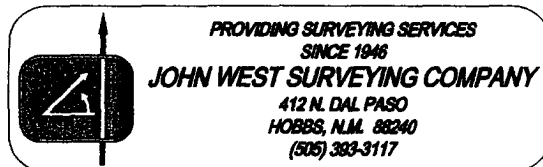
DESCRIPTION 2264' FNL & 366' FWL

ELEVATION 3595'

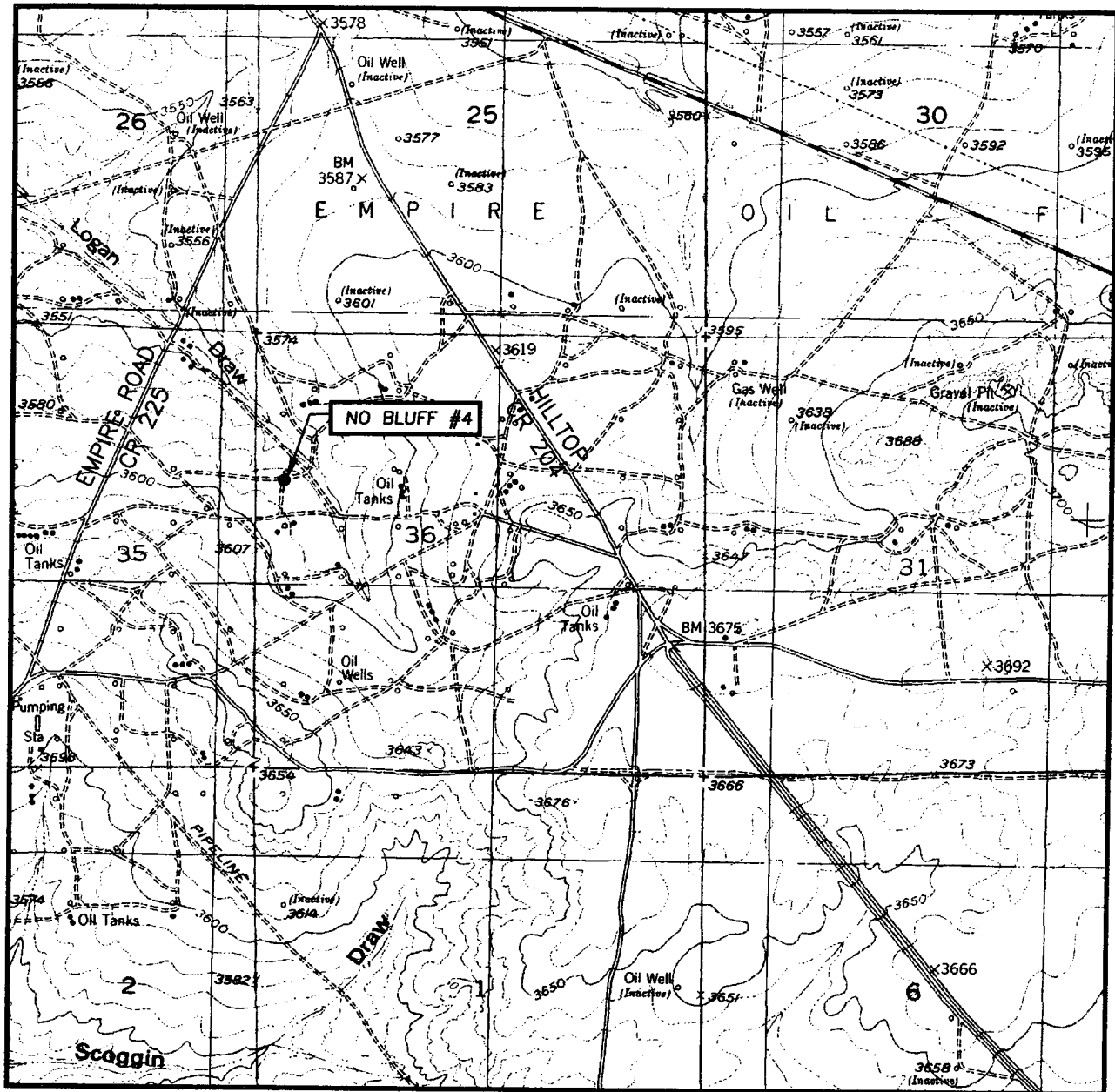
OPERATOR SOUTHWESTERN ENERGY
PRODUCTION COMPANY

LEASE NO BLUFF

U.S.G.S. TOPOGRAPHIC MAP
REDLAKE, N.M.



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 36 TWP. 17-S RGE. 27-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1765' FNL & 330' FWL

ELEVATION 3583'

OPERATOR SOUTHWESTERN ENERGY
PRODUCTION COMPANY

LEASE NO BLUFF

U.S.G.S. TOPOGRAPHIC MAP
REDLAKE, N.M.

