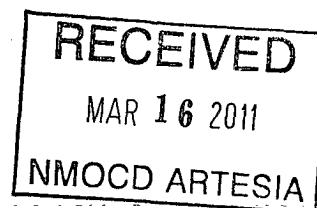




30-015-38615



Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

Hydrogen Sulfide (H_2S) Contingency Plan

For

Aldabra "25" Federal #4H

LAT. = 32°16'07.916"N (NAD83)

LONG = 103°43.57.371"W

200' FSL & 2310' FWL,

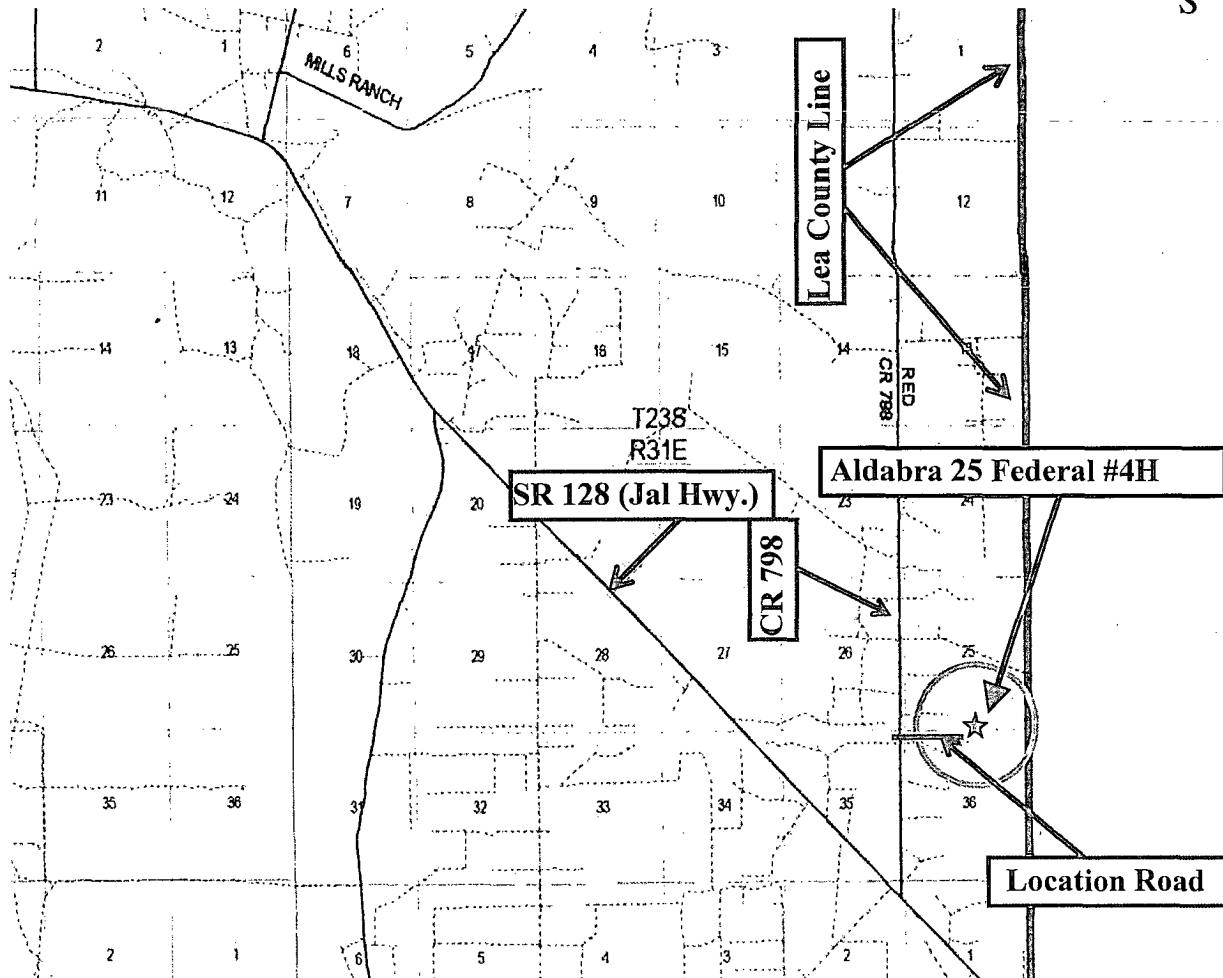
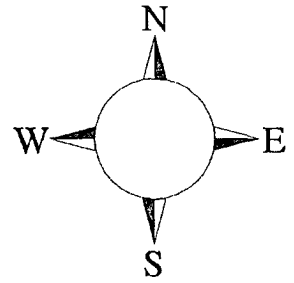
Sec-25, T-23S R-31E

Eddy County NM

RECEIVED
2010 DEC -1 PM 1:11
BUREAU OF LAND MGMT
CARC... OFFICE

Aldabra "25" Federal #4H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of 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

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated West on lease road for 1/4 mile to CR 798. Crews should then block entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. Evacuation should continue if necessary southward on CR 798 for 1.2 miles to State Road 128 (Jal Hwy.) There are no homes or buildings in or near the ROE.

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 H₂S, 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 H₂S 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
 - Detection of H₂S, and
 - Measures for protection against the gas,
 - 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 (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

Devon Energy Corp. 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. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Devon Energy Corp. Company Call List

| <u>Artesia (575)</u> | <u>Cellular</u> | <u>Office</u> | <u>Home</u> |
|---------------------------------|--------------------|--------------------|----------------|
| Foreman – Robert Bell..... | 748-7448 | 748-0178..... | 746-2991 |
| Asst. Foreman –Tommy Polly..... | 748-5290..... | 748-0165..... | 748-2846 |
| Don Mayberry..... | 748-5235 | 748-0164..... | 746-4945 |
| Montral Walker..... | 390-5182 | 748-0193..... | 936-414-6246 |
| Engineer – Marcos Ortiz..... | (405) 317-0666.... | (405) 552-8152.... | (405) 381-4350 |

Agency Call List

| <u>Lea</u> | <u>Hobbs</u> |
|---------------|---|
| <u>County</u> | State Police..... |
| <u>(575)</u> | City Police..... |
| | Sheriff's Office..... |
| | Ambulance..... |
| | Fire Department..... |
| | LEPC (Local Emergency Planning Committee) |
| | NMOCD |
| | US Bureau of Land Management..... |
| <u>Eddy</u> | <u>Carlsbad</u> |
| <u>County</u> | State Police..... |
| <u>(575)</u> | City Police..... |
| | Sheriff's Office..... |
| | Ambulance..... |
| | Fire Department..... |
| | LEPC (Local Emergency Planning Committee)..... |
| | US Bureau of Land Management |
| | New Mexico Emergency Response Commission (Santa Fe) ... |
| | 24 HR |
| | National Emergency Response Center (Washington, DC) .. |

Emergency Services

| | | |
|------------------|--|----------------------------------|
| | Boots & Coots IWC | 1-800-256-9688 or (281) 931-8884 |
| | Cudd Pressure Control..... | (915) 699-0139 or (915) 563-3356 |
| | Halliburton | (575) 746-2757 |
| | B. J. Services..... | (575) 746-3569 |
| <i>Give</i> | Flight For Life - Lubbock, TX | (806) 743-9911 |
| <i>GPS</i> | Aerocare - Lubbock, TX | (806) 747-8923 |
| <i>position:</i> | Med Flight Air Amb - Albuquerque, NM | (575) 842-4433 |
| | Lifeguard Air Med Svc. Albuquerque, NM | (575) 272-3115 |

Prepared in conjunction with
Dyke Browning

