



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

Hydrogen Sulfide (H₂S) Contingency Plan

For

Hackberry Draw "33" State #1

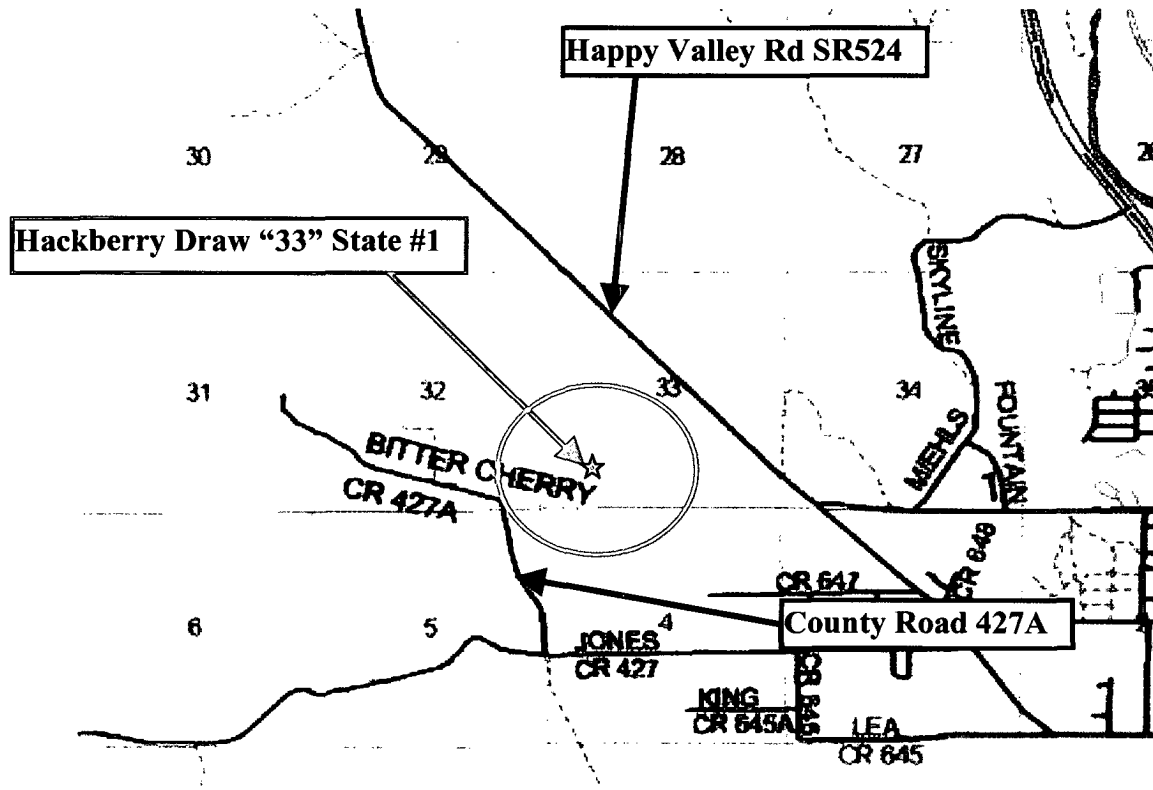
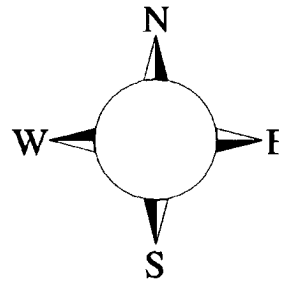
**660' FSL & 1070' FWL,
Sec-33, T-21S R-26E**

Eddy County NM

**RECEIVED
JAN 14 2005
OCC-ARTESIA**

Hackberry Draw "33" State # 1

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 from lease road SouthWest to Bitter Cherry Road (CR 427A). Drivers on the lease road must be flagged and stopped so as to prevent entering into a hazardous area. There are 3 homes in or near the assumed ROE. All due diligence shall be taken to ensure the safety of the residents in the case of an uncontrolled release of toxic gasses. Crews must physically contact those people in the event of an emergency.

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

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 (505)</u>	<u>Cellular</u>	<u>Office</u>	<u>Home</u>
Foreman – BJ Cathey	390-5893	748-0176	887-6026
Asst. Foreman – Bobby Jones	748-7447	748-0176	746-3194
Cecil Thurmond	748-7180	748-0171	887-1479
Mike Myers	(505) 513-0782....	(505) 748-0187 ...	(505) 395-3020
Engineer – Tom Pepper.....	(405) 203-2242....	(405) 552-4513 ...	(405) 728-8641

Agency Call List

<u>Eddy</u>	Artesia	
<u>County</u>	State Police	746-2703
<u>(505)</u>	City Police	746-2703
	Sheriff's Office	746-9888
	Ambulance.....	911
	Fire Department	746-2701
	LEPC (Local Emergency Planning Committee)	746-2122
	NMOCD	748-128
	Carlsbad	
	State Police	885-3137
	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
	Emergency Services	
	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
<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	(505) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM	(505) 272-3115

Prepared in conjunction with
Wade Rohloff of;





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

January 20, 2005

Devon Energy Production Company, LP

20 North Broadway

Oklahoma City, OK 73102

Attn: Ms. Linda Guthrie

RE: Devon Energy Production Company, LP, : Hackberry Draw 33 State #1, located in Unit N (660' FSL & 1070' FWL) of Section 33, Township 21 South Range 26 East Eddy County, New Mexico.

Dear Linda,

In regards to conditions of approval for the above captioned well, I would like to recap the New Mexico Oil Conservation Divisions' (NMOCD) requirement to drill the above captioned well.

This is for Devon Energy Production Company, LP to take samples from the flow line of the drilling mud every 100' in order to determine the chloride levels from the surface casing setting depth of @ 600' down to the intermediate casing point, which is estimated to be @ 2600'.

This data is to be submitted to the NMOCD.

In addition for the condition of approval of said well, please be aware that the NMOCD will require that the Capitan Reef is to be drilled with a fresh water mud along with submittal of a detailed drilling mud program.

Please call our office if you have any questions regarding this matter.

Respectfully yours,

Bryan G. Arrant

PES

CC: Tim Gum-District Supervisor-Artesia