



30-025-39736

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

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

**For**

**Cockburn "G" Federal # 3**

**535' FNL & 785' FWL,  
Sec-10, T-18S R-33E**

**Lea County NM**

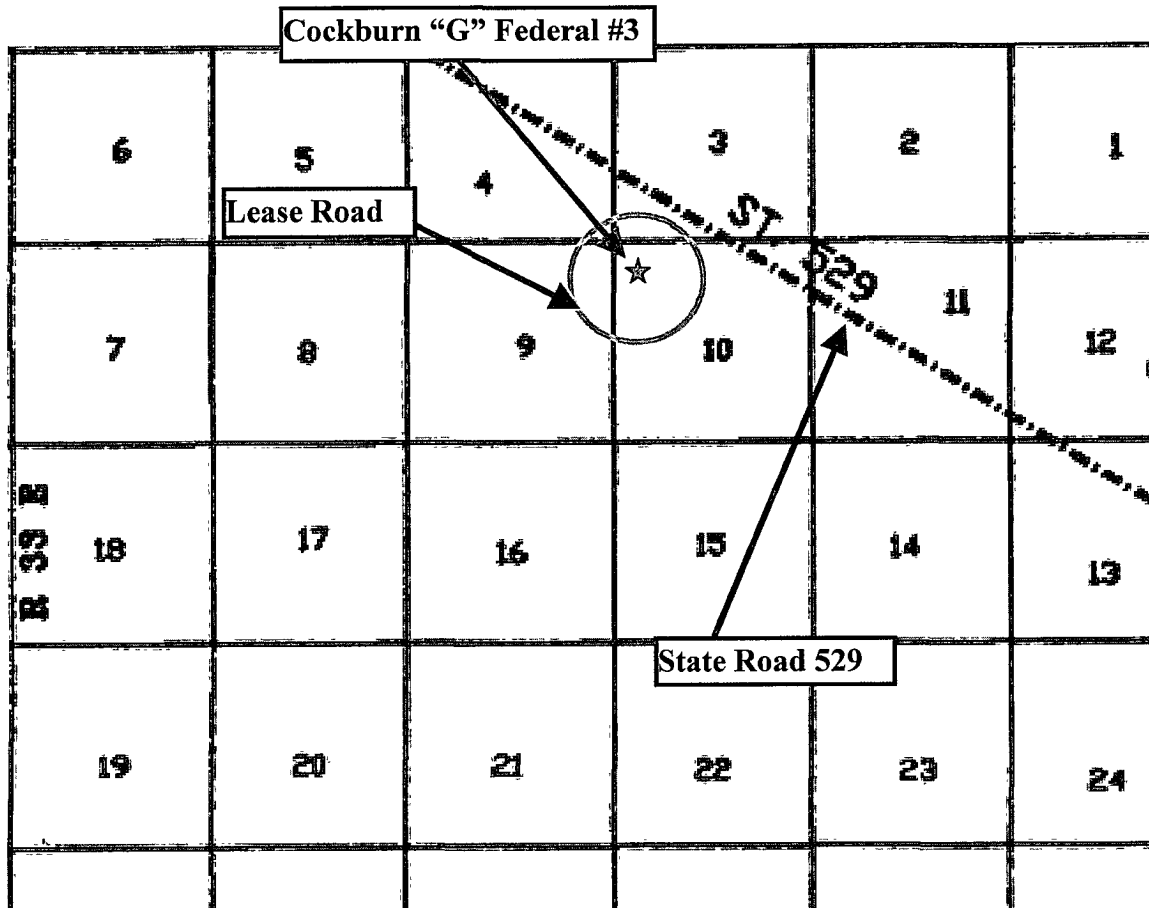
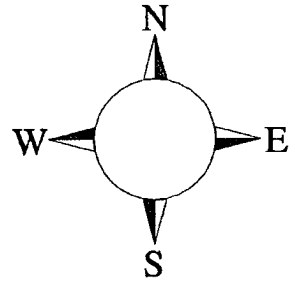
Bureau of Land Management  
RECEIVED

OCT 16 2009

Carlsbad Field Office  
Carlsbad, N.M.

## Cockburn "G" Federal # 3

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of 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

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated North West on lease road to State Road 529. 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. There are no homes or buildings in or near the ROE.

**Assumed 100 ppm ROE = 3000'**

**100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.**

### **Emergency Procedures**

**In the event 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.**
- **Evacuate any public places encompassed by the 100 ppm ROE.**
- **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 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 H<sub>2</sub>S, 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 (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>**

<b>Common Name</b>	<b>Chemical Formula</b>	<b>Specific Gravity</b>	<b>Threshold Limit</b>	<b>Hazardous Limit</b>	<b>Lethal Concentration</b>
<b>Hydrogen Sulfide</b>	<b>H<sub>2</sub>S</b>	<b>1.189 Air = 1</b>	<b>10 ppm</b>	<b>100 ppm/hr</b>	<b>600 ppm</b>
<b>Sulfur Dioxide</b>	<b>SO<sub>2</sub></b>	<b>2.21 Air = 1</b>	<b>2 ppm</b>	<b>N/A</b>	<b>1000 ppm</b>

### **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**

<b><u>Artesia (575)</u></b>	<b><u>Cellular</u></b>	<b><u>Office</u></b>	<b><u>Home</u></b>
Foreman-Roger Hernandez. ....	748-5238 .....	748-0169 .....	396-7169
Asst. Foreman - Ernie Duran... ..	513-1768 .....	748-0191 .....	746-4589
Don Mayberry.....	748-5235 .....	748-0164 .....	746-4945
Montral Walker.....	390-5182 .....	748-0193 .....	936-414-6246
Engineer - Ron Hays.....	(405) 464-4214....	(405) 552-8150....	(405) 359-7015

## **Agency Call List**

<b><u>Lea</u></b>	<b><u>Hobbs</u></b>
<b><u>County</u></b>	State Police .....
<b><u>(575)</u></b>	City Police .....
	Sheriff's Office.....
	Ambulance.....
	Fire Department.....
	LEPC (Local Emergency Planning Committee) .....
	NMOCD .....
	US Bureau of Land Management .....

<b><u>Eddy</u></b>	<b><u>Carlsbad</u></b>
<b><u>County</u></b>	State Police .....
<b><u>(575)</u></b>	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 .....
	Cudd Pressure Control.....
	Halliburton .....
	B. J. Services.....
<i>Give</i>	Flight For Life - Lubbock, TX .....
<i>GPS</i>	Aerocare - Lubbock, TX .....
<i>position:</i>	Med Flight Air Amb - Albuquerque, NM .....
	Lifeguard Air Med Svc. Albuquerque, NM ....

Prepared in conjunction with  
Wade Rohloff of;



PRIVATE SURFACE OWNER AGREEMENT

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

WELL NAME: COCKBURN FEDERAL 3

SECTION: 10 TOWNSHIP: 18S RANGE: 33E

LOCATION: 1980' FSL 1980' FWL

COUNTY: LEA STATE: NEW MEXICO

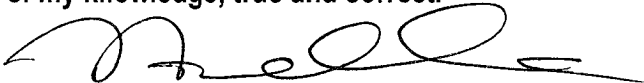
LEASE NUMBER: NM-89891

STATEMENT OF SURFACE USE

The surface to the subject land is owned by Ross & Jill Caviness, 3718 New Mexico 114, Causey, NM 88113.

The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

  
\_\_\_\_\_  
Signature

NAME: Norvella Adams

DATE: September 28, 2009

TITLE: Sr. Staff Engineering Technician

To expedite your Application to Drill please fax the completed form to the  
Bureau of Land Management (505) 234-5927 or (505) 885-9264  
Attention: Legal Instruments Examiner  
620 E. Green Street  
Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible. Thank you for your cooperation.

**Operators Representative:**

The Devon Energy Production Company, L.P. representatives responsible for ensuring compliance of the surface use plan are listed below.

Ron Hays  
Operations Engineer

Don Mayberry  
Superintendent

Devon Energy Production Company, L.P.  
20 North Broadway  
Oklahoma City, OK 73102-8260

Devon Energy Production Company, L.P.  
Post Office Box 250  
Artesia, NM 88211-0250

(405) 552-8150 (office)  
(405) 464-4214 (cell)

(505) 748-3371 (office)  
(505) 746-4945 (home)

**Certification**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or Devon Energy Production Company, L.P. am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

I hereby also certify that I, or Devon Energy Production Company, L.P. have made a good faith effort to provide the surface owner with a copy of the Surface Use Plan of Operations and any Conditions of Approval that are attached to the APD.

Executed this 28th day of September, 2009.

Printed Name: Norvella Adams

Signed Name: 

Position Title: Sr. Staff Engineering Technician

Address: 20 North Broadway, OKC OK 73102

Telephone: (405) 552-8198

Field Representative: Roger Hernandez

Address: 6478 Seven Rivers Hwy, Artesia, NM

Telephone: 575-748-0169

E-mail: norvella.adams@dvn.com