Hydrogen Sulfide Drilling Operations Plan Fuggles 11 Federal 1H Cimarex Energy Co. UL: M, Sec. 11, 25S, 32E Lea Co., NM

HOBBS OCD
DEC 0 3 2014

RECEIVED

1 All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:

- A. Characteristics of H₂S
- B. Physical effects and hazards
- C. Principal and operation of H2S detectors, warning system and briefing areas.
- D. Evacuation procedure, routes and first aid.
- E. Proper use of safety equipment & life support systems
- F. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30 minute pressure demand air packs.

2 H₂S Detection and Alarm Systems:

- A. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may play placed as deemed necessary.
- B. An audio alarm system will be installed on the derrick floor and in the top doghouse.

3 Windsock and/or wind streamers:

- A. Windsock at mudpit area should be high enough to be visible.
- B. Windsock on the rig floor and / or top doghouse should be high enough to be visible.

4 Condition Flags and Signs

- A. Warning sign on access road to location.
- B. Flags to be displayed on sign at entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates danger (H₂S present in dangerous concentration). Only H2S trained and certified personnel admitted to location.

5 Well control equipment:

A. See exhibit "E-1"

6 Communication:

- A. While working under masks chalkboards will be used for communication.
- B. Hand signals will be used where chalk board is inappropriate.
- C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.

7 Drillstem Testing:

No DSTs r cores are planned at this time.

- 8 Drilling contractor supervisor will be required to be familiar with the effects H₂S has on tubular goods and other mechanical equipment.
- 9 If H₂S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H₂S scavengers if necessary.

H₂S Contingency Plan Fuggles 11 Federal 1H Cimarex Energy Co. UL: M, Sec. 11, 25S, 32E Lea Co., NM

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

Please see attached International Chemical Safety Cards.

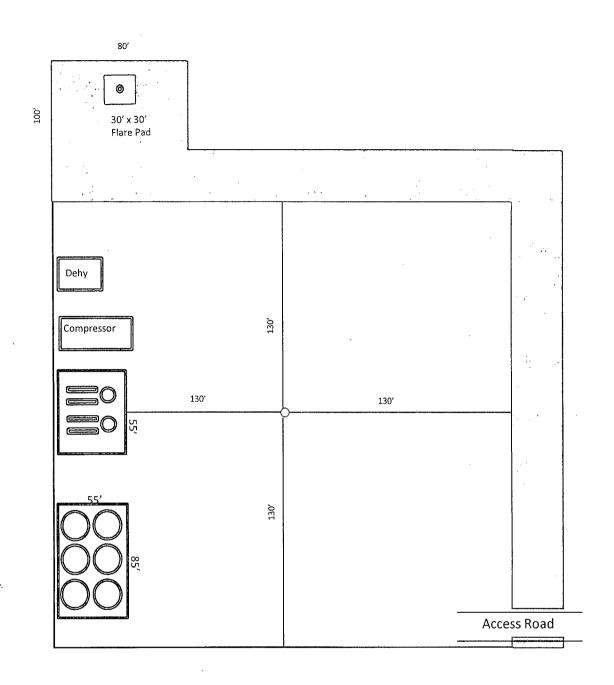
Contacting Authorities

Cimarex Energy Co. of Colorado's personnel must liaise 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 including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Cimarex Energy Co. of Colorado's response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

H₂S Contingency Plan Emergency Contacts Fuggles 11 Federal 1H Cimarex Energy €o. UL: M, Sec. 11, 255, 32E

Lea Co., NM

Company Office Cimarex Energy Co. of Colorado		800-969-4789	
Co. Office and After-Hours Men	N. C.		سنيت سيونيات بلد لله مانستان سنت سيدان المانسان والمان المانسان والوادة
Key Personnel	-1.5	~ 400	
Name	Title	Office	Mobile
Larry Seigrist	Drilling Manager	432-620-1934	580-243-8485
Doug McQuitty	Drilling Superintendent	432-620-1933	806-640-2605
Scott Lucas	Drilling Superintendent	432-620-1989	432-894-5572
Roy Shirley	Construction Superintendent		432-634-2136
. ದುಚಿತಿಸಬೇಕ ಮಾತಿ ಆ ಮಾತಿ ಕೆ ನಾಡಿ ಕೆ ನಾಡಿ ಕೆ ಮಾತಿ ಮಾ	به جيمه يو اوري په پايتار به کيمو يو بيسان په جيمو يو دري	noon as decime of today for known by which the second by since	*********
	E A		# 6 to 0 to 1
<u>Artesia</u>	40.00		
Ambulance		911	
State Police		575-746-2703	and the state of t
City Police	Andrew Control of the	575-746-2703	
Sheriff's Office		575-746-9888	
Fire Department		575-746-2701	M 31444444 44 44 44 44 44 44 44 44 44 44 44
Local Emergency Planning Committee		575-746-2122	
New Mexico Oil Conservation Division		575-748-1283	
- 11 1			
Carlsbad			
Ambulance		911	na anti-ora del masso en la constitución de co
State Police		575-885-3137	
City Police		575-885-2111	
Sheriff's Office		575-887-7551	
Fire Department		575-887-3798	
Local Emergency Planning Committee		575-887-6544	
US Bureau of Land Managem	ent	575-887-6544	~
Santa Fe			
New Mexico Emergency Response Commission (Santa Fe)			
		505-476-9600	Water and the same of the same
New Mexico Emergency Resp	oonse Commission (Santa Fe) 24 Hrs	505-827-9126	
	oonse Commission (Santa Fe) 24 Hrs		
New Mexico Emergency Resp New Mexico State Emergenc	oonse Commission (Santa Fe) 24 Hrs	505-827-9126	
New Mexico Emergency Resp New Mexico State Emergenco National	oonse Commission (Santa Fe) 24 Hrs y Operations Center	505-827-9126 505-476-9635	
New Mexico Emergency Resp New Mexico State Emergenc	oonse Commission (Santa Fe) 24 Hrs y Operations Center	505-827-9126	
New Mexico Emergency Resp New Mexico State Emergenco National National Emergency Respons	oonse Commission (Santa Fe) 24 Hrs y Operations Center	505-827-9126 505-476-9635	
New Mexico Emergency Responder Mexico State Emergenco National Mational Response Medical	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.)	505-827-9126 505-476-9635 800-424-8802	
New Mexico Emergency Responder Mexico State Emergenco National National Emergency Respons Medical Flight for Life - 4000 24th St.;	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX	505-827-9126 505-476-9635 800-424-8802 806-743-9911	
New Mexico Emergency Responsive Mexico State Emergence National National Emergency Responsive Medical Flight for Life - 4000 24th St.; Aerocare - R3, Box 49F; Lubb	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923	
New Mexico Emergency Response Mexico State Emergence National Mational Emergency Response Medical Flight for Life - 4000 24th St.; Aerocare - R3, Box 49F; Lubb Med Flight Air Amb - 2301 Ya	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX lie Blvd S.E., #D3; Albuquerque, NM	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923 505-842-4433	
New Mexico Emergency Response Mexico State Emergence National Mational Emergency Response Medical Flight for Life - 4000 24th St.; Aerocare - R3, Box 49F; Lubb Med Flight Air Amb - 2301 Ya	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923	
New Mexico Emergency Response New Mexico State Emergence National National Emergency Response Medical Flight for Life - 4000 24th St., Aerocare - R3, Box 49F; Lubben Med Flight Air Amb - 2301 Ya SB Air Med Service - 2505 Cla	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX lie Blvd S.E., #D3; Albuquerque, NM	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923 505-842-4433	
New Mexico Emergency Response New Mexico State Emergence National National Emergency Response Medical Flight for Life - 4000 24th St., Aerocare - R3, Box 49F; Lubbened Flight Air Amb - 2301 Ya SB Air Med Service - 2505 Cla Other	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX lie Blvd S.E., #D3; Albuquerque, NM	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923 505-842-4433 505-842-4949	or 281-931-8884
New Mexico Emergency Response New Mexico State Emergency New Mexico State Emergency National Emergency Response Medical Flight for Life - 4000 24th St.; Aerocare - R3, Box 49F; Lubb Med Flight Air Amb - 2301 Yas SB Air Med Service - 2505 Claudotte Cother Boots & Coots IWC	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX lie Blvd S.E., #D3; Albuquerque, NM	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923 505-842-4433 505-842-4949 800-256-9688	or 281-931-8884
New Mexico Emergency Response New Mexico State Emergence National National Emergency Response Medical Flight for Life - 4000 24th St., Aerocare - R3, Box 49F; Lubbened Flight Air Amb - 2301 Ya SB Air Med Service - 2505 Cla Other	oonse Commission (Santa Fe) 24 Hrs y Operations Center e Center (Washington, D.C.) Lubbock, TX ock, TX lie Blvd S.E., #D3; Albuquerque, NM	505-827-9126 505-476-9635 800-424-8802 806-743-9911 806-747-8923 505-842-4433 505-842-4949	or 281-931-8884 or 432-563-3356



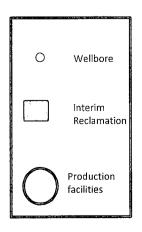




Exhibit D-1
Interim Reclamation Diagram
Fuggles 11 Federal 1H
Cimarex Energy Co.
11-25S-33E
SHL 330 FSL & 550 FWL
BHL 330 FNL & 370 FWL
Lea County, NM