HOBBS OCD Hydrogen Sulfide Drilling Operations Plan Fuggles 11 Federal 1H Cimarex Energy Co. DEC 03 2014 UL: M, Sec. 11, 25S, 32E Lea Co., NM 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. Β. An audio alarm system will be installed on the derrick floor and in the top doghouse. 3 Windsock and/or wind streamers: Windsock at mudpit area should be high enough to be visible. Α. В. 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.

Page 3A

DEC 0 4 2014

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).

Page 3B

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

Cimarex Energy Co. of Colorado		800-969-4789		
Co. Office and After-Hours			هر سهر و دو و د د د د د	
March David States and				
Key Personnel				
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
	a y nag y nag si togi y kai W kas K (an y nag k tai y tag si tai si tag si k		514 K 655	
1949 X 1959 X 2001 X 2002 X 2003 X 2003 X 2003			adad iy enes	
Artesia		044	~	
Ambulance	911			
State Police	575-746-2703		****	
City Police	575-746-2703			
Sheriff's Office	575-746-9888			
Fire Department	575-746-2701			
Local Emergency Plannin	575-746-2122			
New Mexico Oil Conservation Division		575-748-1283		
Carlsbad				
Ambulance		911		
State Police		575-885-3137		
Icity Police		575-885-2111		
Sheriff's Office		575-887-7551		
Fire Department		575-887-3798		
Local Emergency Planning Committee		575-887-6544		<u>_</u> ,
US Bureau of Land Management		575-887-6544		
CO Darcad or Land Mana	Benefit			·····
Santa Fe				
New Mexico Emergency Response Commission (Santa Fe)		505-476-9600		
New Mexico Emergency Response Commission (Santa Fe) 24 Hrs		505-827-9126		
New Mexico State Emergency Operations Center		505-476-9635		
National				
National Emergency Response Center (Washington, D.C.)		800-424-8802		
Medical				
Flight for Life - 4000 24th St.; Lubbock, TX		806-743-9911		·
Aerocare - R3, Box 49F; Lubbock, TX		806-747-8923		
Med Flight Air Amb - 2301 Yale Blvd S.E., #D3; Albuquerque, NM		505-842-4433		
SB Air Med Service - 250	505-842-4949			
SS FILLIVIEL JELVICE * ZJU	S CRAW COLLEGE SEA ABUQUEIQUE, MA			
Other				
Boots & Coots IWC		800-256-9688	or	281-931-8884
Cudd Pressure Control		432-699-0139	or	432-563-3356
Halliburton		575-746-2757		
B.I. Services		575-746-3569		





N ↑ 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