



H₂S Preparedness and Contingency Plan Summary

Salado Draw 29 26 33 Fed 1H

Salado Draw 29 26 33 Fed 3H

Salado Draw 29 26 33 Fed 2H

Salado Draw 29 26 33 Fed 4H HOBBS OCD

JUN 15 2015

Training

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MCBU Drilling and Completions H₂S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H₂S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H₂S, who are not required to perform work in H₂S areas, will be provided with an awareness level of H₂S training prior to entering any H₂S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H₂S
2. Health hazards of H₂S
3. Personal protective equipment
4. Information regarding potential sources of H₂S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H₂S Training

Employees and contractors required to work in areas that may contain H₂S will be provided with Advanced Level H₂S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H₂S training will include:

1. H₂S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H₂S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H₂S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H₂S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform "standby" duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H₂S training;
6. Proficiency examination covering all course material.

Advanced H₂S training courses will be instructed by personnel who have successfully completed an appropriate H₂S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

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H₂S Training Certification

All employees and visitors will be issued an H₂S training certification card (or certificate) upon successful completion of the appropriate H₂S training course. Personnel working in an H₂S environment will carry a current H₂S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be upwind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H₂S Equipment

Respiratory Protection

- a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.
- b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

- a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.
- b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H₂S Detection and Monitoring System

- a) H₂S monitoring system (sensor head, warning light and siren) placed throughout rig.
 - Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
 - Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.



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Well Control Equipment

- a) Flare Line 150' from wellhead with igniter.
- b) Choke manifold with a remotely operated choke.
- c) Mud / gas separator

Mud Program

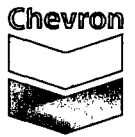
In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

- 1. Use of a degasser
- 2. Use of a zinc based mud treatment
- 3. Increasing mud weight

Public Safety - Emergency Assistance

<u>Agency</u>	<u>Telephone Number</u>
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

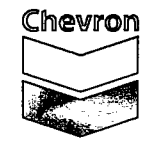
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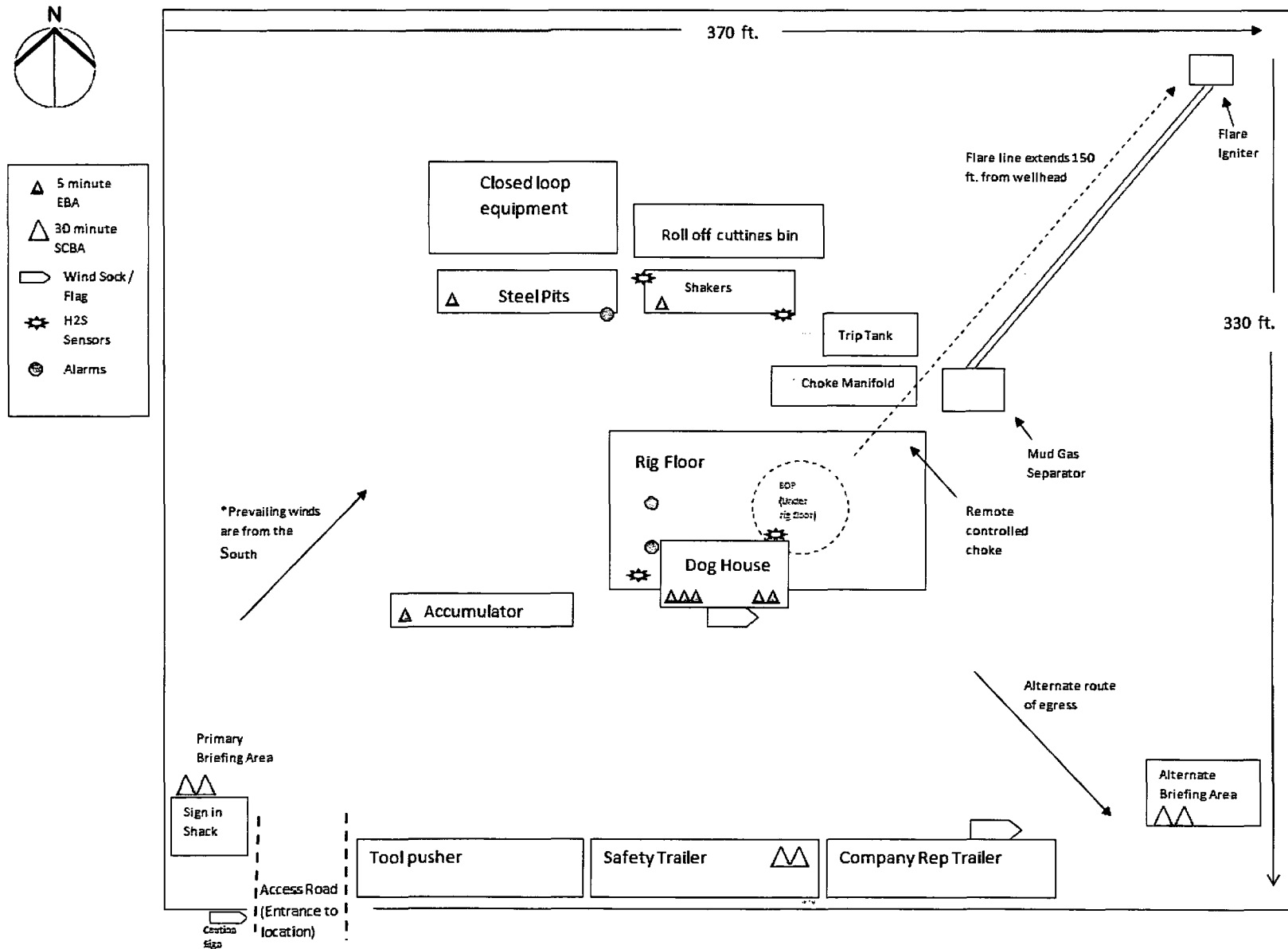
Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	Vicente Ruiz	Drilling Engineer	(713) 372-6181	(713) 898-5436
2.	Phil Clark	Superintendent	(713) 372-7588	(832) 741-4175
5.	Kim McHugh	Drilling Manager	(713) 372-7591	(713) 204- 8550
6.	Darrell Hammons	Operations Manager	(713) 372-5747	(281) 352 2302
7.	Andrea Calhoun	D&C HES	(713) 372-7586	(832) 588-0100
8.	Said Daher	Completion Engineer	(713) 372-0233	(832) 714-0724



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NEW ARCH. AREA CORNER
 X= 727,536 NAD 27
 Y= 372,471
 ELEVATION +3214' NAVD 88

NE ARCH. AREA CORNER
 X= 728,211 NAD 27
 Y= 372,475
 ELEVATION +3226' NAVD 88

SE ARCH. AREA CORNER
 X= 728,215 NAD 27
 Y= 371,875
 ELEVATION +3205' NAVD 88

SW ARCH. AREA CORNER
 X= 727,540 NAD 27
 Y= 371,871
 ELEVATION +3215' NAVD 88

NW TOP SOIL AREA CORNER
 X= 727,627 NAD 27
 Y= 372,297
 ELEVATION +3211' NAVD 88

NE TOP SOIL AREA CORNER/NW PAD CORNER
 X= 727,667 NAD 27
 Y= 372,297
 ELEVATION +3212' NAVD 88

SE TOP SOIL AREA CORNER/SW PAD CORNER
 X= 727,669 NAD 27
 Y= 371,967
 ELEVATION +3208' NAVD 88

SW TOP SOIL AREA CORNER
 X= 727,629 NAD 27
 Y= 371,967
 ELEVATION +3212' NAVD 88

NW SATELLITE BATTERY PAD CORNER
 X= 728,639 NAD 27
 Y= 372,069
 ELEVATION +3216' NAVD 88

NE SATELLITE BATTERY PAD CORNER
 X= 728,139 NAD 27
 Y= 372,070
 ELEVATION +3217' NAVD 88

SE SATELLITE BATTERY PAD CORNER
 X= 728,139 NAD 27
 Y= 371,570
 ELEVATION +3216' NAVD 88

NE PAD CORNER
 X= 728,037 NAD 27
 Y= 372,299
 ELEVATION +3221' NAVD 88

SE PAD CORNER/SW SATELLITE BATTERY PAD CORNER
 X= 728,039 NAD 27
 Y= 371,969
 ELEVATION +3213' NAVD 88

SALADO DRAW 29 26 33 FED COM NO. 4H WELL
 X= 727,813 NAD 27
 Y= 372,174
 LAT. 32.021067
 LONG. 103.597958
 X= 769,101 NAD83
 Y= 372,230
 LAT. 32.021212
 LONG. 103.598425
 ELEVATION +3216' NAVD 88

PROPOSED ACCESS ROAD
 14' X ±324'
 ±0.10 Acres
 ±19.64 Rods

PROPOSED PAD
 ±2.80 Acres

PROPOSED TOP SOIL AREA
 ±0.30 Acres

PROPOSED SATELLITE RECLAIMED AREA

PROPOSED ARCHAEOLOGICAL AREA
 ±6.60 Acres

PROPOSED ACCESS ROAD FOR SALADO DRAW 29 26 33 5H-6H PAD

Scale: 1"=100'

CHEVRON U.S.A. INC.
 PROPOSED PAD & ACCESS ROAD
 SALADO DRAW 29 26 33 FED COM NO. 4H WELL
 SECTION 29, T26S-R33E
 LEA COUNTY, NEW MEXICO

DISCLAIMER: At this time, C.H. Fenstermaker & Associates, LLC has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE: Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE: Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance: New Mexico One Call - www.nmonesall.org

LEGEND
 --- Section Line
 --- Fence Line
 --- Existing Pipeline
 --- Lease Road

Sec. 20
 Bureau of Land Management

Sec. 29
 Bureau of Land Management

WM. J. DANIEL III
 NEW MEXICO
 15078
 REGISTERED PROFESSIONAL SURVEYOR
 WM. J. Daniel III
 Registration No. 15078