

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

HOBBSOCD

Training

JUN 15 2015

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.

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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

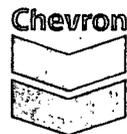
- a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.
- b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

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

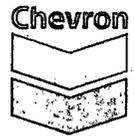
In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

- 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

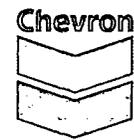
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Chevron MCBU D&C Emergency Notifications

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

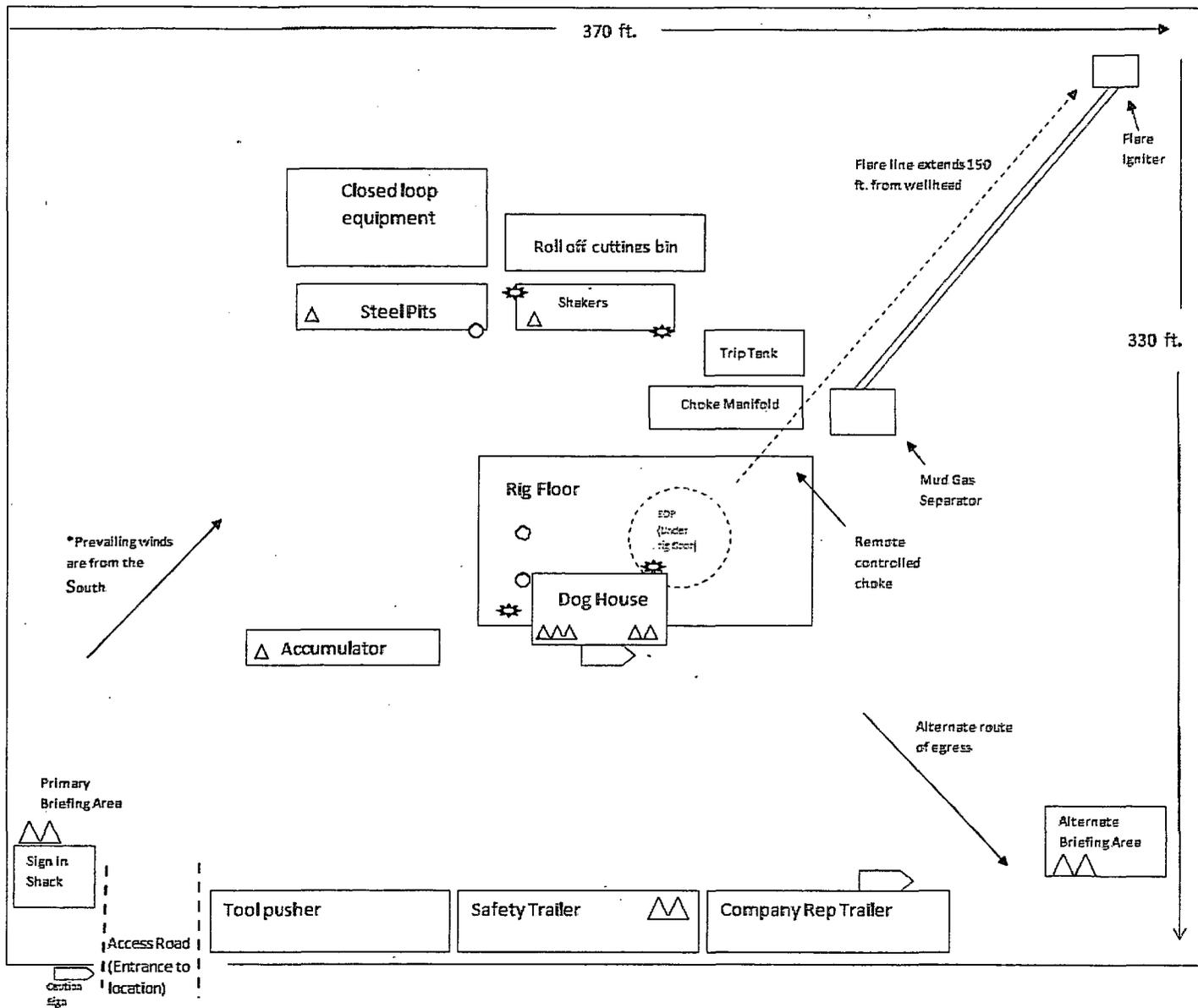
	Name	Title	Office Number	Cell Phone
1.	Vicente Ruiz	Drilling Engineer	(713) 372-6181	(713) 898-5436
2.	Phil Clark	Superintendent	(713) 372-7588	(832) 741-4175
5.	Kim McHugh	Drilling Manager	(713) 372-7591	(713) 204- 8550
6.	Darrell Hammons	Operations Manager	(713) 372-5747	(281) 352 2302
7.	Andrea Calhoun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



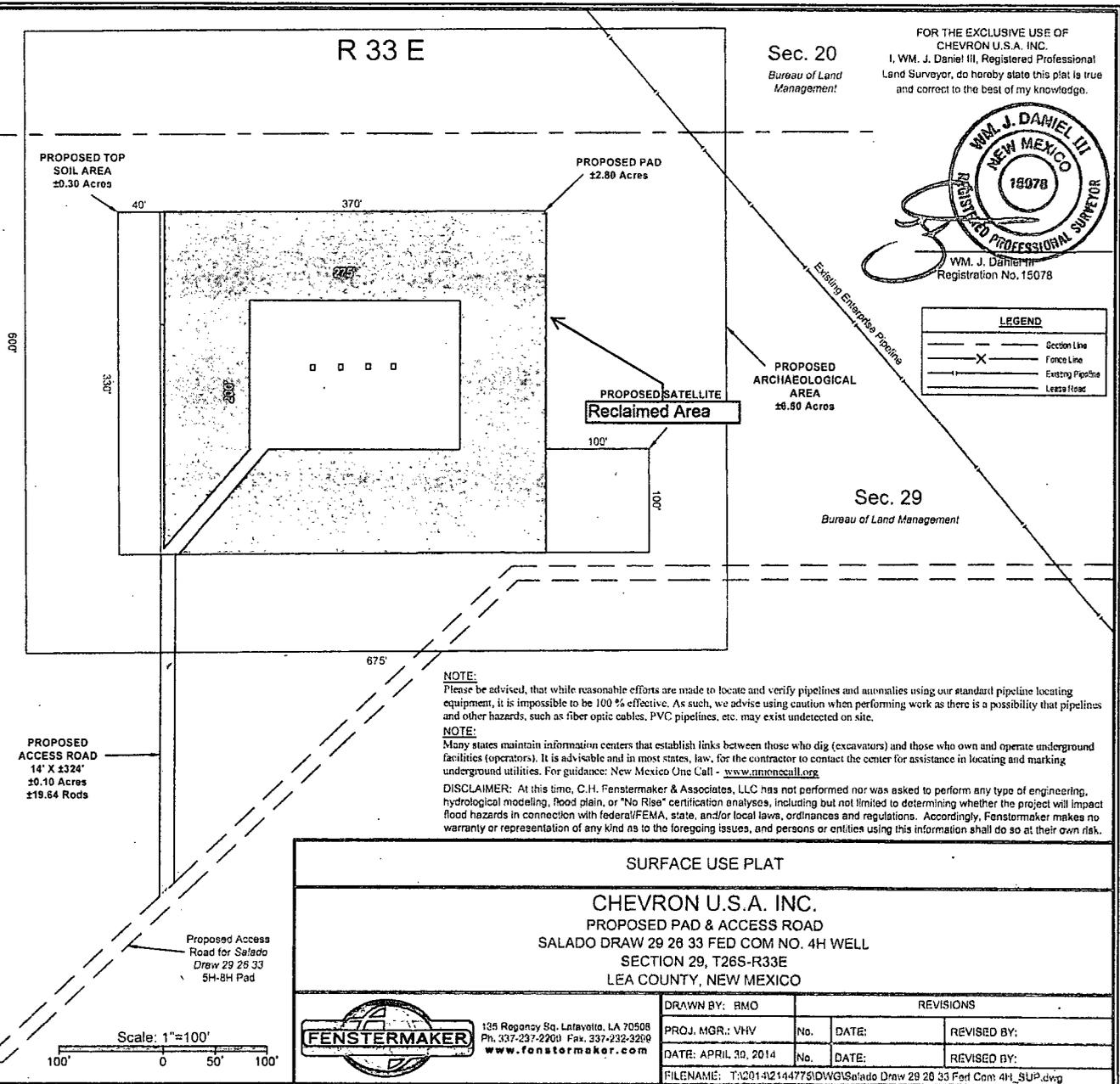
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- △ 5 minute EBA
- △ 30 minute SCBA
- ◀ Wind Sock / Flag
- ⚙ H₂S Sensors
- Alarms



NW 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= 728,039 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= 371,970 ELEVATION +3216' NAVD 88	
NE PAD CORNER X= 728,037 NAD 27 Y= 372,289 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 28 33 FED COM NO. 4H WELL X= 727,913 NAD 27 Y= 372,174 LAT. 32.021087 LONG. 103.597956			
X= 769,101 NAD83 Y= 372,730 LAT. 32.021212 LONG. 103.598425 ELEVATION +3215' NAVD 88			



FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, WM. J. DANIEL III, Registered Professional
Land Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.

WM. J. DANIEL III
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
19978

WM. J. DANIEL III
Registration No. 15078

SURFACE USE PLAT

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SALADO DRAW 29 28 33 FED COM NO. 4H WELL
SECTION 29, T26S-R33E
LEA COUNTY, NEW MEXICO

FENSTERMAKER 106 Regency Sq. Lafayette, LA 70506
Ph. 337-297-2200 Fax. 337-292-2269
www.fenstermaker.com

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: VHV	No.	DATE:	REVISED BY:
DATE: APRIL 30, 2014	No.	DATE:	REVISED BY:
FILENAME: T:\2014\2144775\DWG\Salado Draw 29 28 33 Fed Com 4H_SUP.dwg			

EXHIBIT E