

H₂S Preparedness and Contingency Plan Summary



Salado Draw 18 26 33 Fed 3H

Salado Draw 18 26 33 Fed 4H

Salado Draw 19 26 33 Fed 3H

Salado Draw 19 26 33 Fed 4H

Training

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.



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

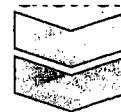
- a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.
- b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

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.



Well Control Equipment

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

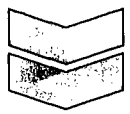
Mud Program

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

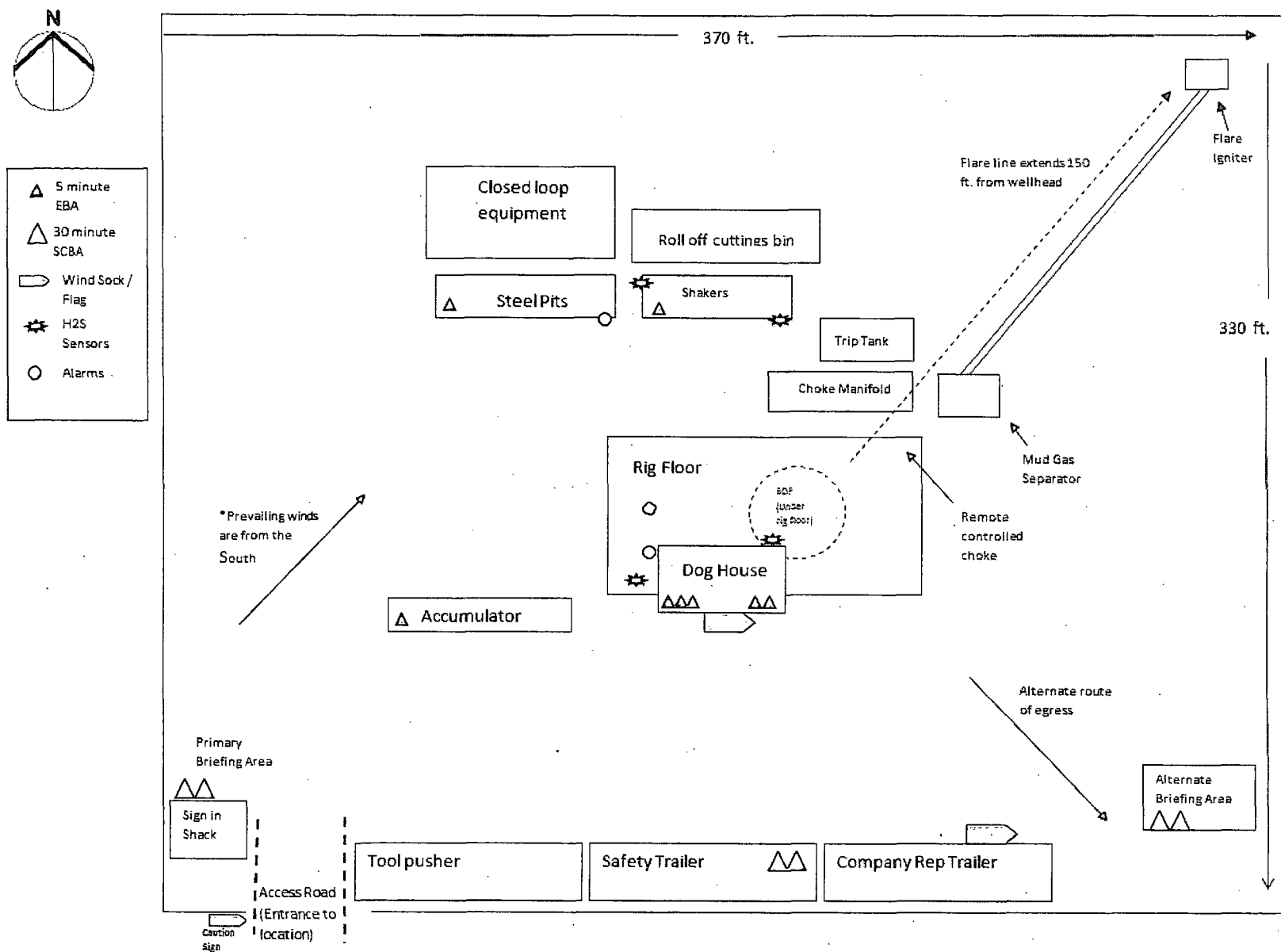


Chevron MCBU D&C Emergency Notifications

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

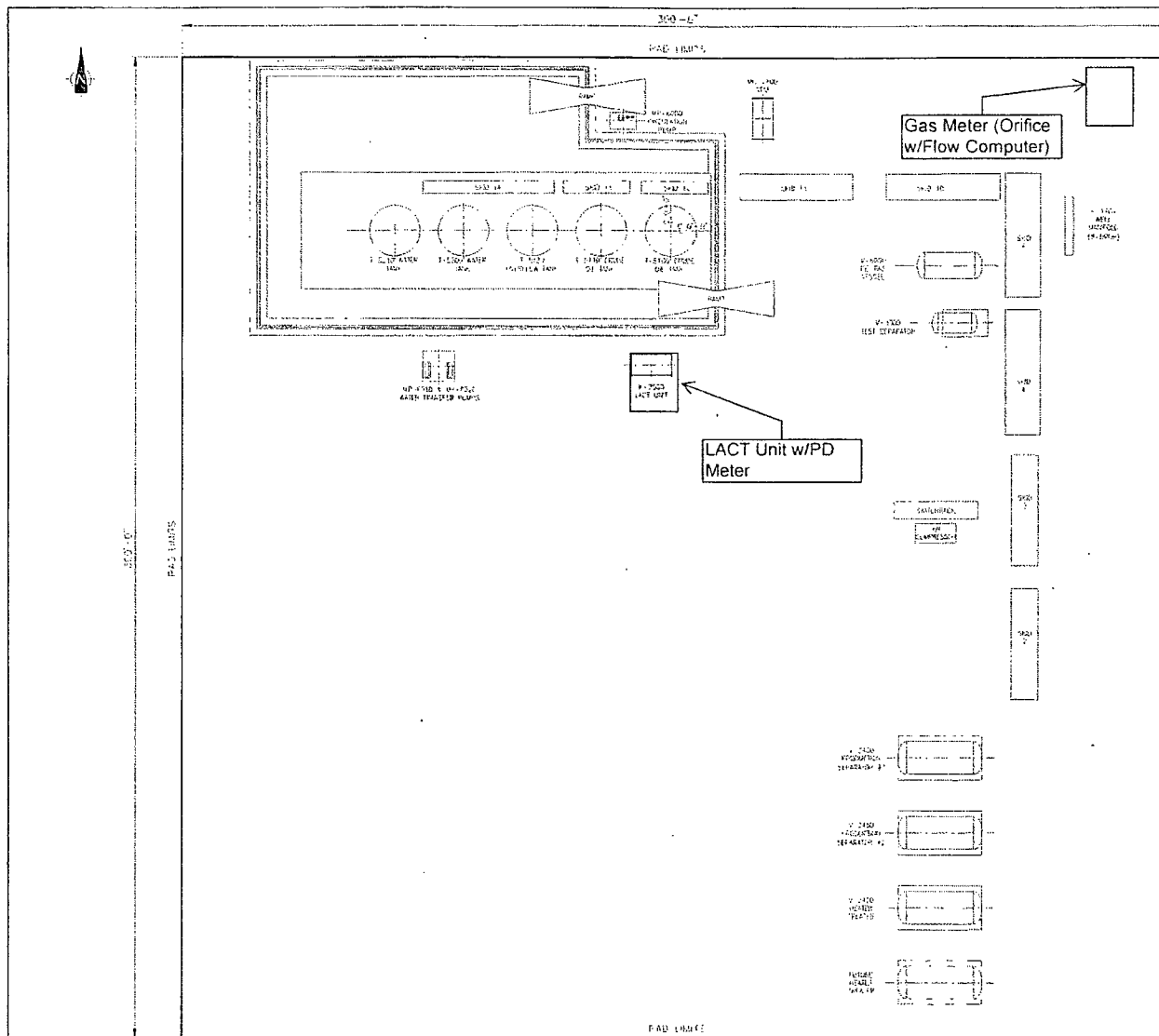
	Name	Title	Office Number	Cell Phone
1.	Vicente Ruiz	Drilling Engineer	(713) 372-6181	(713) 898-5436
2.	Phil Clark	Superintendent	(713) 372-7588	(832) 741-4175
5.	Kim McHugh	Drilling Manager	(713) 372-7591	(713) 204- 8550
6.	Darrell Hammons	Operations Manager	(713) 372-5747	(281) 352 2302
7.	Andrea Calhoun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

H₂S Preparedness and Contingency Plan Summary



Salado Draw 19-26-33 Fed 3H, 4H

EXHIBIT C



ISSUED FOR REVIEW ISSUED FOR REVIEW	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL	1. 1000 GAL 2. 1000 GAL 3. 1000 GAL 4. 1000 GAL 5. 1000 GAL
--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ISSUED FOR REVIEW

HOBBS FMT DELAWARE BASIN
 SALADO DRAW CTR-LEA COUNTY, NEW MEXICO
 PLUT PLAN
 HOBBS-SALADODRAWCTB-CIV-PLT-MCB-2000-01

R 32 E

T
26
S

Sec. 15

Bureau of Land Management

Sec. 14

Bureau of Land Management

Existing
Kiehne Ranch
15 26 32 USA 1H
DrillSite



Existing
Lease Road to
be used

±3846', ±1.59 Acres



Existing
Red Hills West
22 Fed Com 1H
DrillSite

±842',
±0.27
Acres

PROPOSED
ACCESS ROAD
±19,950', ±6.41 ACRES

±5431', ±1.75 Acres

Sec. 23

Bureau of Land Management

Sec. 22

Bureau of Land Management

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
Registration No. 15078

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.nmonecall.org

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.

SCALE: 1"=600'

600' 0 300' 600'

MATCH LINE

DETAIL

CHEVRON U.S.A. INC.

ACCESS ROAD

DETAIL

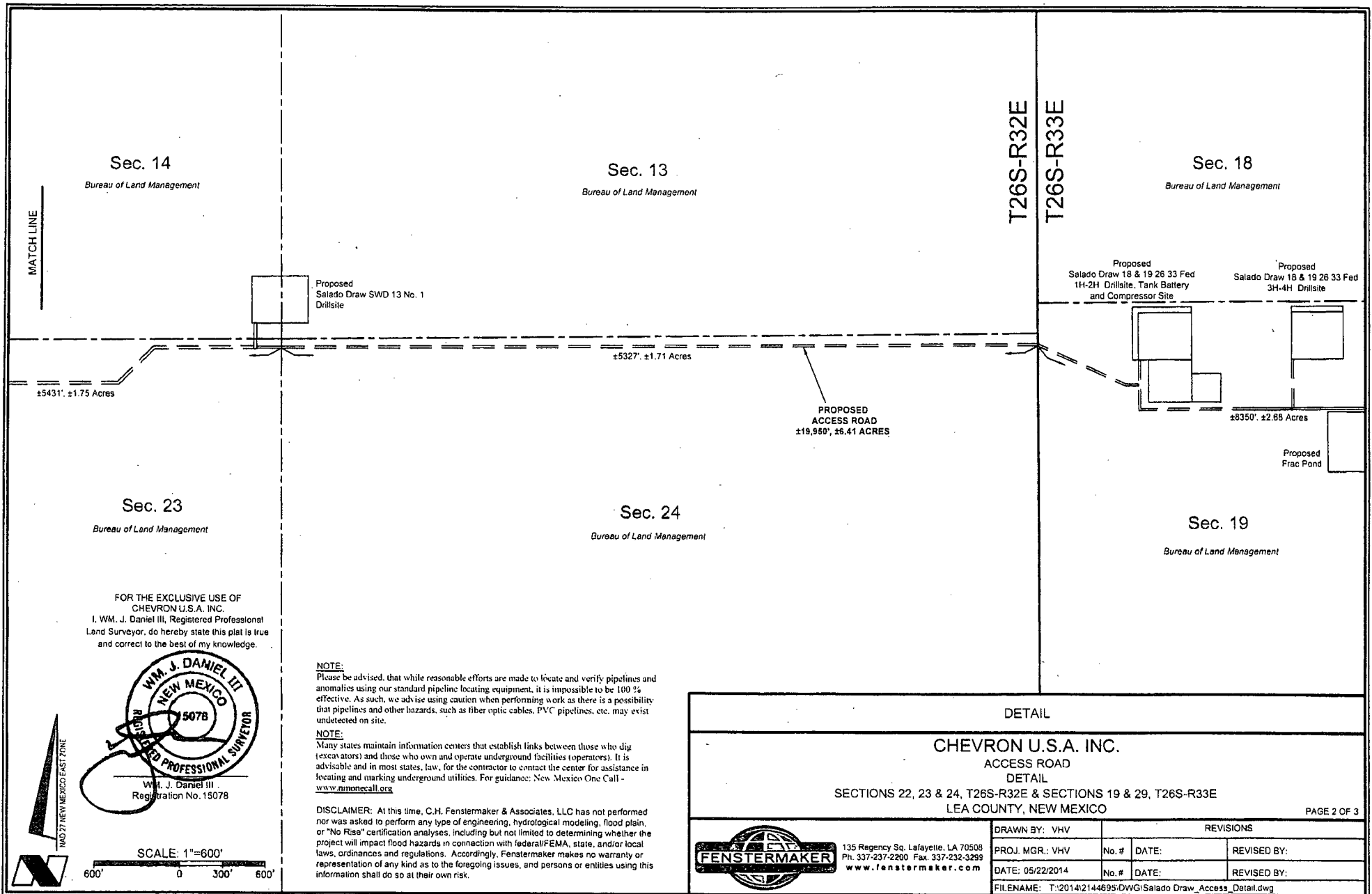
SECTIONS 22, 23 & 24, T26S-R32E & SECTIONS 19 & 29, T26S-R33E
LEA COUNTY, NEW MEXICO

PAGE 1 OF 3



135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: VHV		REVISIONS	
PROJ. MGR.: VHV	No. #	DATE:	REVISED BY:
DATE: 05/22/2014	No. #	DATE:	REVISED BY:
FILENAME: T:\2014\2144695\DWG\Saledo Draw_Access_Detail.dwg			



T26S-R32E
T26S-R33E

Sec. 18

Bureau of Land Management

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.nmonecall.org

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.

Proposed
Salado Draw 18 & 19 26 33 Fed
1H-2H Drillsite, Tank Battery &
Compressor Site

Proposed
Salado Draw 18 & 19 26 33 Fed
3H-4H Drillsite

Proposed
Frac Pond

PROPOSED
ACCESS ROAD
±19,950', ±5.41 ACRES

Sec. 19

Bureau of Land Management

Sec. 20

Bureau of Land Management

Existing Lease Road
to be Used
±1634', ±0.75 Acres

Existing
Porter Brown 1H
Drillsite

Proposed
Salado Draw 29 26 33
Fed Com 1H-4H
Drillsite & Satellite
Battery

Proposed
Salado Draw 29 26 33
Fed Com 5H-8H
Drillsite

Proposed
Moose Tooth 29 26 33
Fed Com 1H Drillsite

Existing
Frac Pond

PROPOSED ACCESS
ROAD
±3,348', ±1.08 ACRES

Proposed
Frac Pond
Expansion

Sec. 30

Bureau of Land Management

Sec. 29

Bureau of Land Management

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
Registration No. 15078

CHEVRON U.S.A. INC.

ACCESS ROAD
DETAIL

SECTIONS 22, 23 & 24, T28S-R32E & SECTIONS 19 & 29, T26S-R33E
LEA COUNTY, NEW MEXICO

PAGE 3 OF 3



135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

SCALE: 1"=1000'
1000' 0 500' 1000'

DRAWN BY: VHV		REVISIONS	
PROJ. MGR.: VHV	No. #	DATE:	REVISED BY:
DATE: 05/22/2014	No. #	DATE:	REVISED BY:
FILENAME: T:\2014\2144695\DWG\Salado Draw_Access_Detail.dwg			

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.

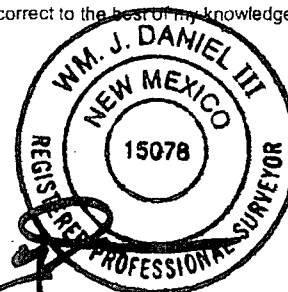
NOTE:

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.nmonocall.org

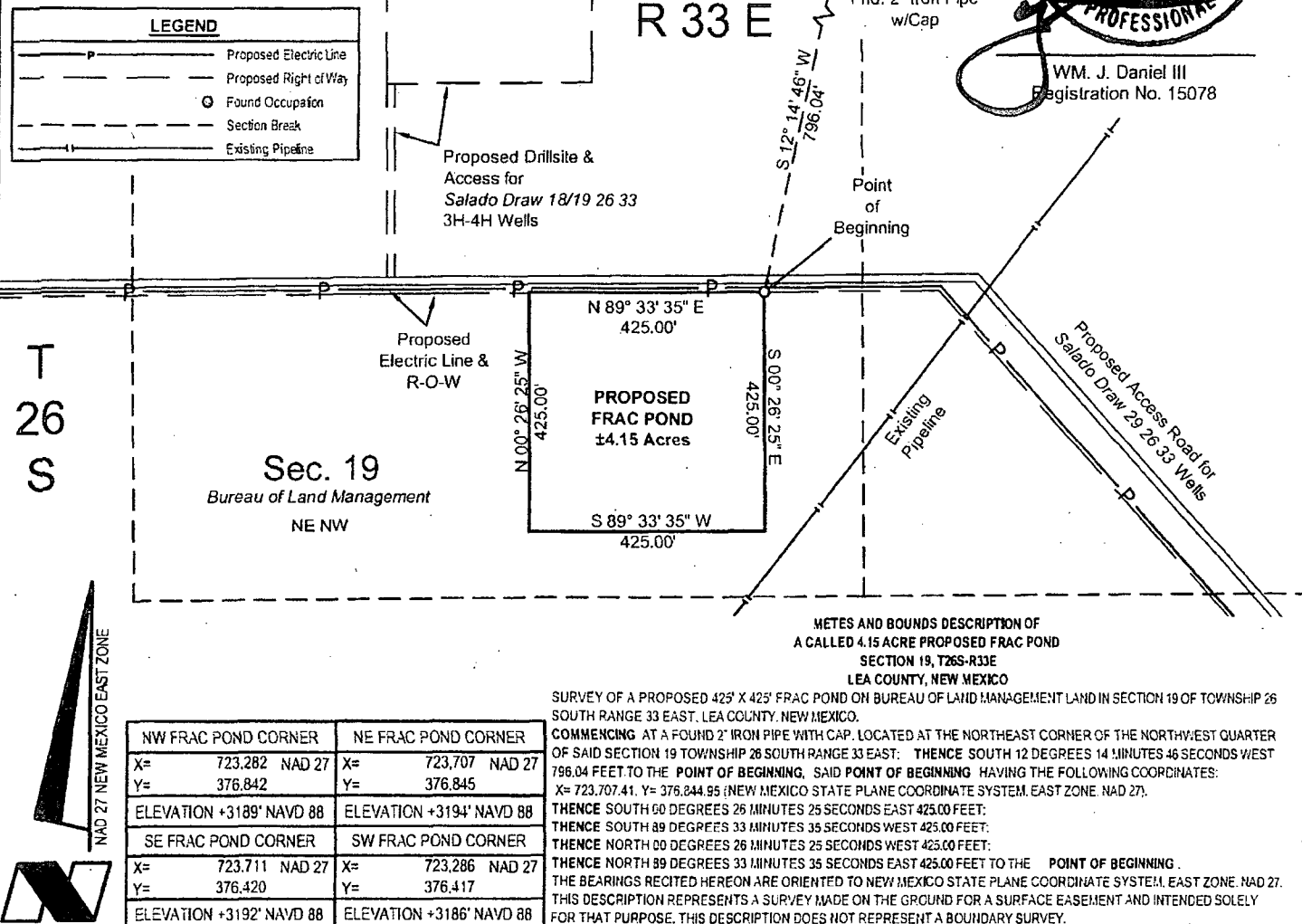
DISCLAIMER: At this time, C.H. Fenstermaker & Associates, LLC has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection 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.

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
Registration No. 15078



SURFACE USE PLAT

CHEVRON U.S.A. INC.

PROPOSED FRAC POND

SALADO DRAW 18 & 19 26 33 FED NO. 1H-4H WELLS

SECTION 19, T26S-R33E

LEA COUNTY, NEW MEXICO



135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: BMO

REVISIONS

PROJ. MGR.: VHV

No. 1

DATE: 05/27/2014

REVISED BY: VHV

DATE: MAY 08, 2014

No.

DATE:

REVISED BY:

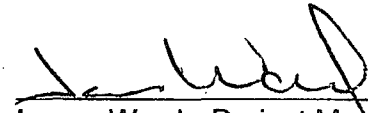
FILENAME: T:\2014\2144669\DWG\Salado Draw 18 & 19 26 33 1H-4H_Frac Pond_SUP.dwg

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently 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 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 the company I represent, 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 a false statement.

Executed this 5TH day of MAY, 2014

Name:



James Ward - Project Manager

Address: 1400 Smith Street, 40050
Houston, TX 77002

Office: 713-372-1748

E-mail: jwgb@chevron.com

**METES AND BOUNDS DESCRIPTION OF
A CALLED 2.07 ACRE FACILITY PAD
SECTION 19, T26S-R33E
LEA COUNTY, NEW MEXICO**

Survey of a proposed 300' x 300' facility pad on Bureau of Land Management land in Section 19 of Township 26 South Range 33 East, Lea County, New Mexico.

COMMENCING at a found 2" iron pipe with cap, located at the Northeast corner of the Northwest quarter of said Section 19 Township 26 South Range 33 East; **thence** South 74 degrees 59 minutes 23 seconds West 1,607.96 feet to the **POINT OF BEGINNING**, said **POINT OF BEGINNING** having the following coordinates: X= 722,323.17, Y= 377,206.42 (New Mexico State Plane coordinate system, East zone, NAD 27).

Thence South 00 degrees 25 minutes 43 seconds East 299.93 feet;

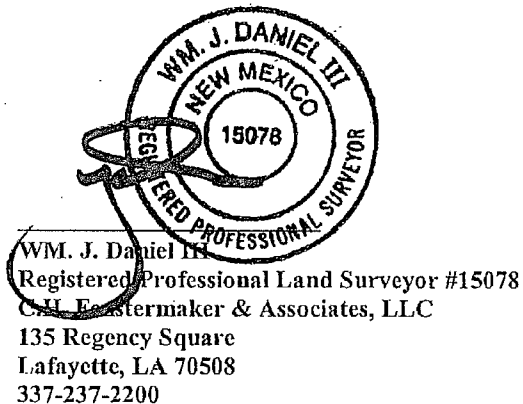
Thence South 89 degrees 34 minutes 38 seconds West 299.99 feet;

Thence North 00 degrees 25 minutes 42 seconds West 299.90 feet;

Thence North 89 degrees 34 minutes 20 seconds East 299.99 feet to the **POINT OF BEGINNING**.

The bearings recited hereon are oriented to New Mexico State Plane coordinate system, East zone, NAD, 27.

This description represents a survey made on the ground for a surface easement and intended solely for that purpose. This description does not represent a boundary survey.



**METES AND BOUNDS DESCRIPTION OF
A CALLED 0.92 ACRE COMPRESSOR PAD
SECTION 19, T26S-R33E
LEA COUNTY, NEW MEXICO**

Survey of a proposed 200' x 200' compressor pad on Bureau of Land Management land in Section 19 of Township 26 South Range 33 East, Lea County, New Mexico.

COMMENCING at a found 2" iron pipe with cap, located at the Northeast corner of the Northwest quarter of said Section 19 Township 26 South Range 33 East; **thence** South 69 degrees 09 minutes 24 seconds West 1,447.05 feet to the **POINT OF BEGINNING**, said **POINT OF BEGINNING** having the following coordinates: X= 722,523.91, Y= 377,108.00 (New Mexico State Plane coordinate system, East zone, NAD 27).

Thence South 00 degrees 25 minutes 43 seconds East 200.00 feet;

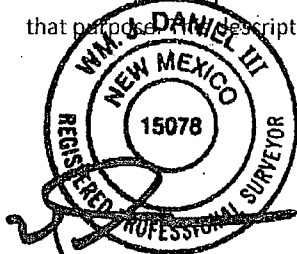
Thence South 89 degrees 34 minutes 17 seconds West 200.00 feet;

Thence North 00 degrees 25 minutes 43 seconds West 200.00 feet;

Thence North 89 degrees 34 minutes 17 seconds East 200.00 feet to the **POINT OF BEGINNING**.

The bearings recited hereon are oriented to New Mexico State Plane coordinate system, East zone, NAD 27.

This description represents a survey made on the ground for a surface easement and intended solely for that purpose. This description does not represent a boundary survey.



Wm. J. Daniel III
Registered Professional Land Surveyor #15078
C.H. Fenstermaker & Associates, LLC
135 Regency Square
Lafayette, LA 70508
337-237-2200