



H₂S Preparedness and Contingency Plan Summary

Salado Draw 14 26 32 Fed 1H

Salado Draw 14 26 32 Fed 2H

Salado Draw 23 26 32 Fed 1H

Salado Draw 23 26 32 Fed 2H

Training

HOBBS OGD

SEP 21 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.

RECEIVED

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.

SEP 23 2015



H₂S Preparedness and Contingency Plan Summary

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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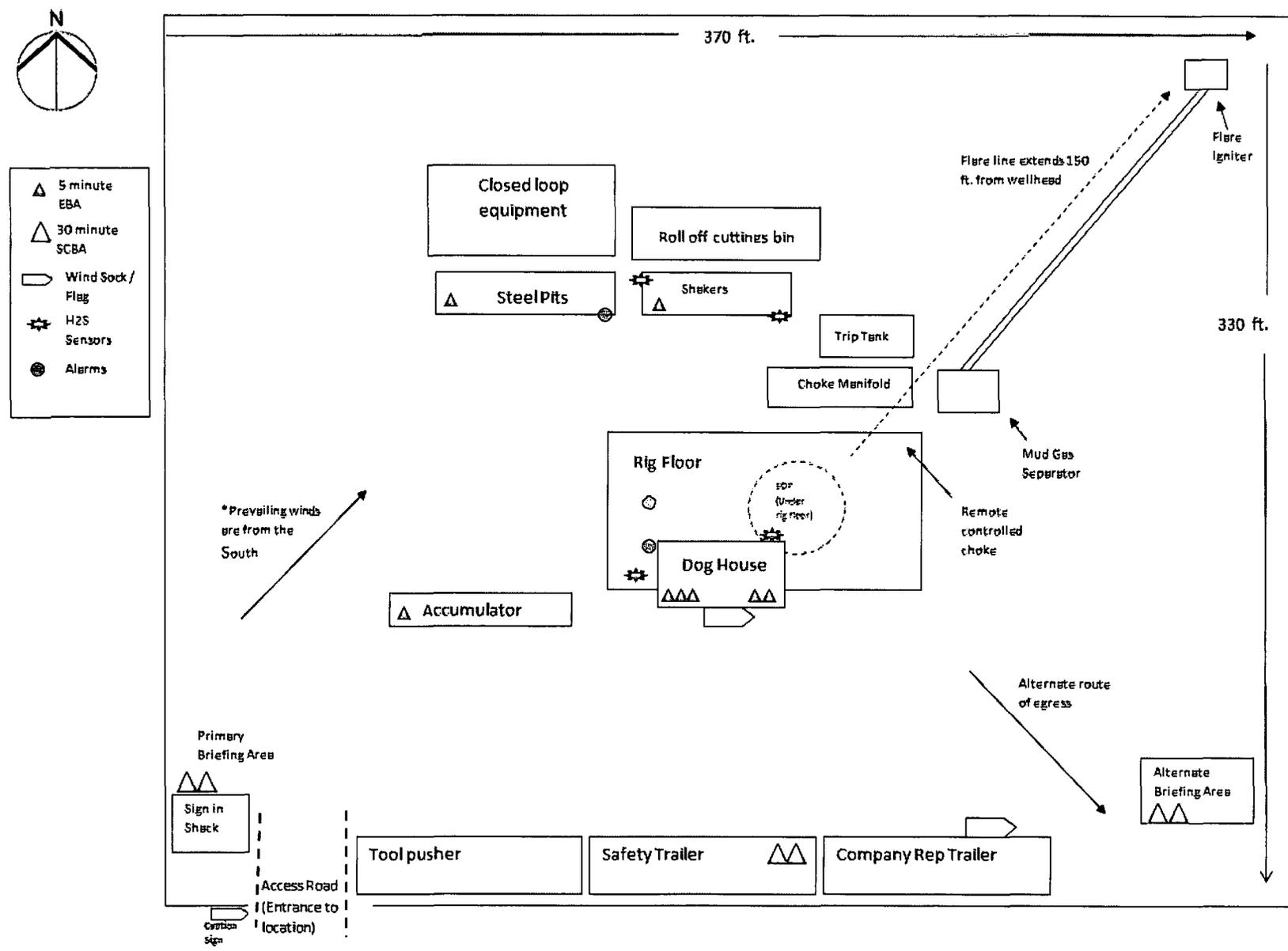
Chevron MCBU D&C Emergency Notifications

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



H₂S Preparedness and Contingency Plan Summary



Salado Draw 23-26-32 Fed 1H, 2H

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 8TH day of April, 2015

Name: 

James Ward-Project Manager

Address: 1400 Smith Street

Houston, TX 77002

Room 40055

Office: 713-372-1748

Email: JWGB@CHEVRON.COM

Exhibit 4

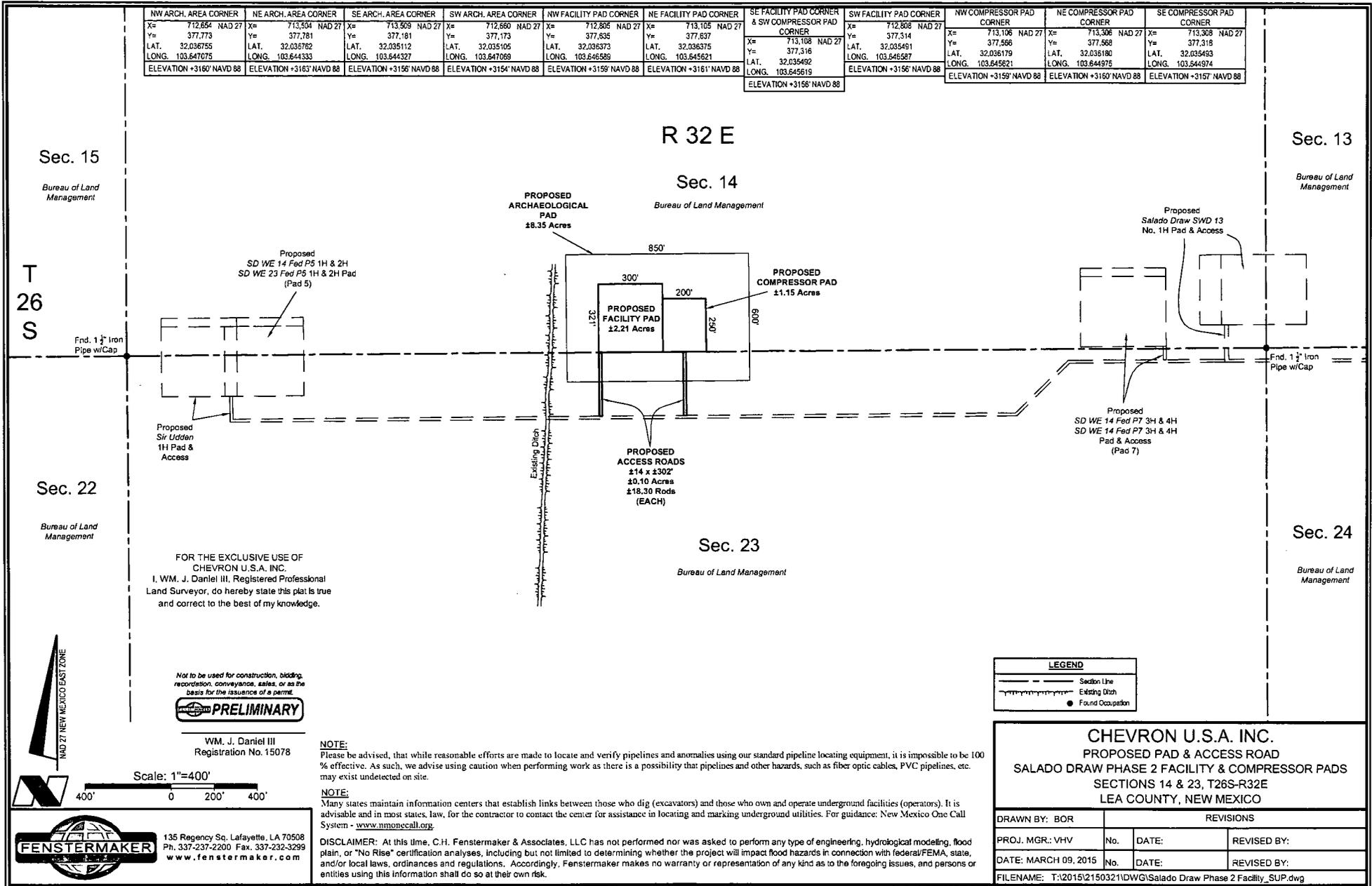
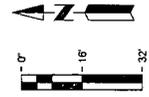
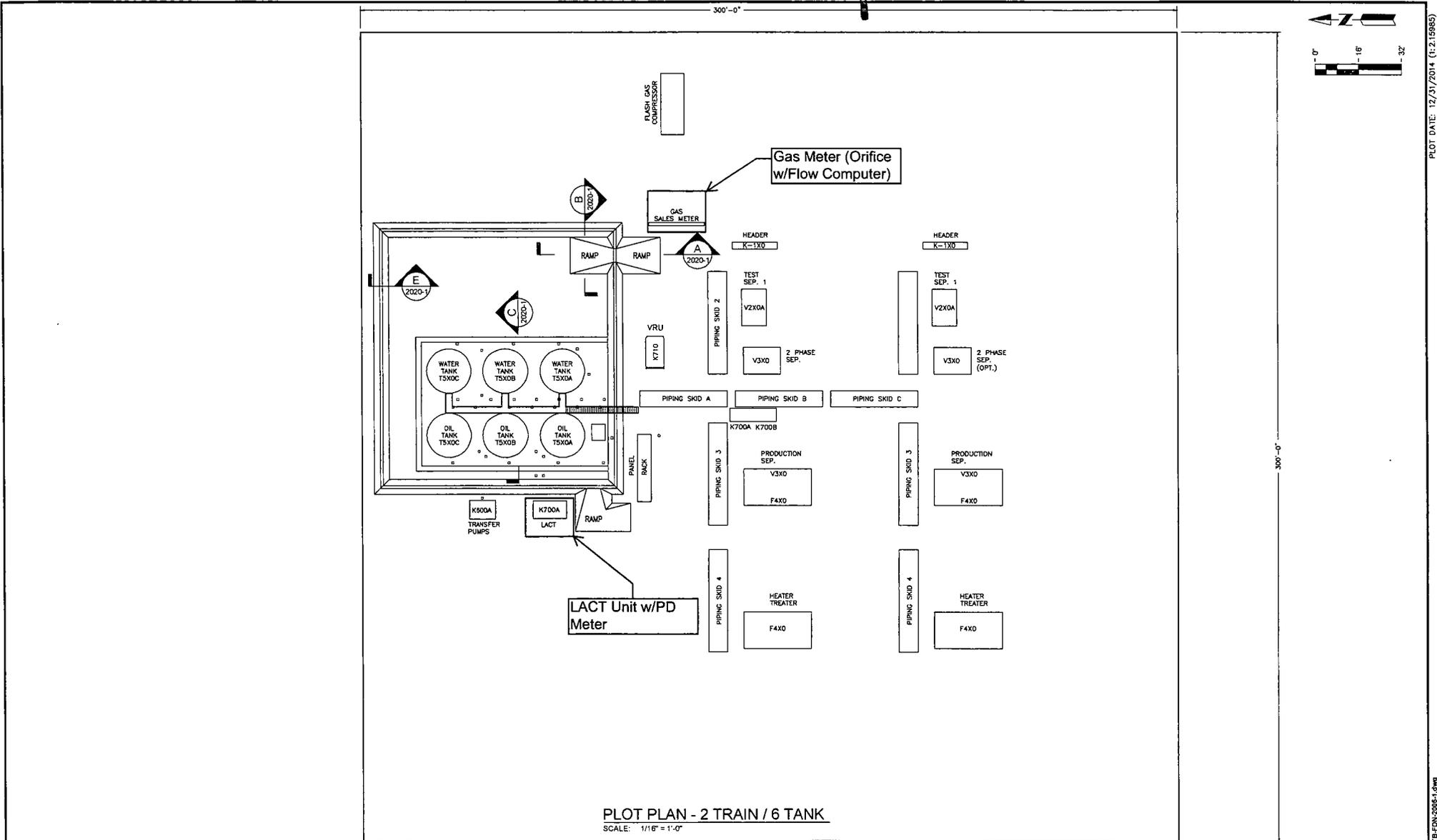


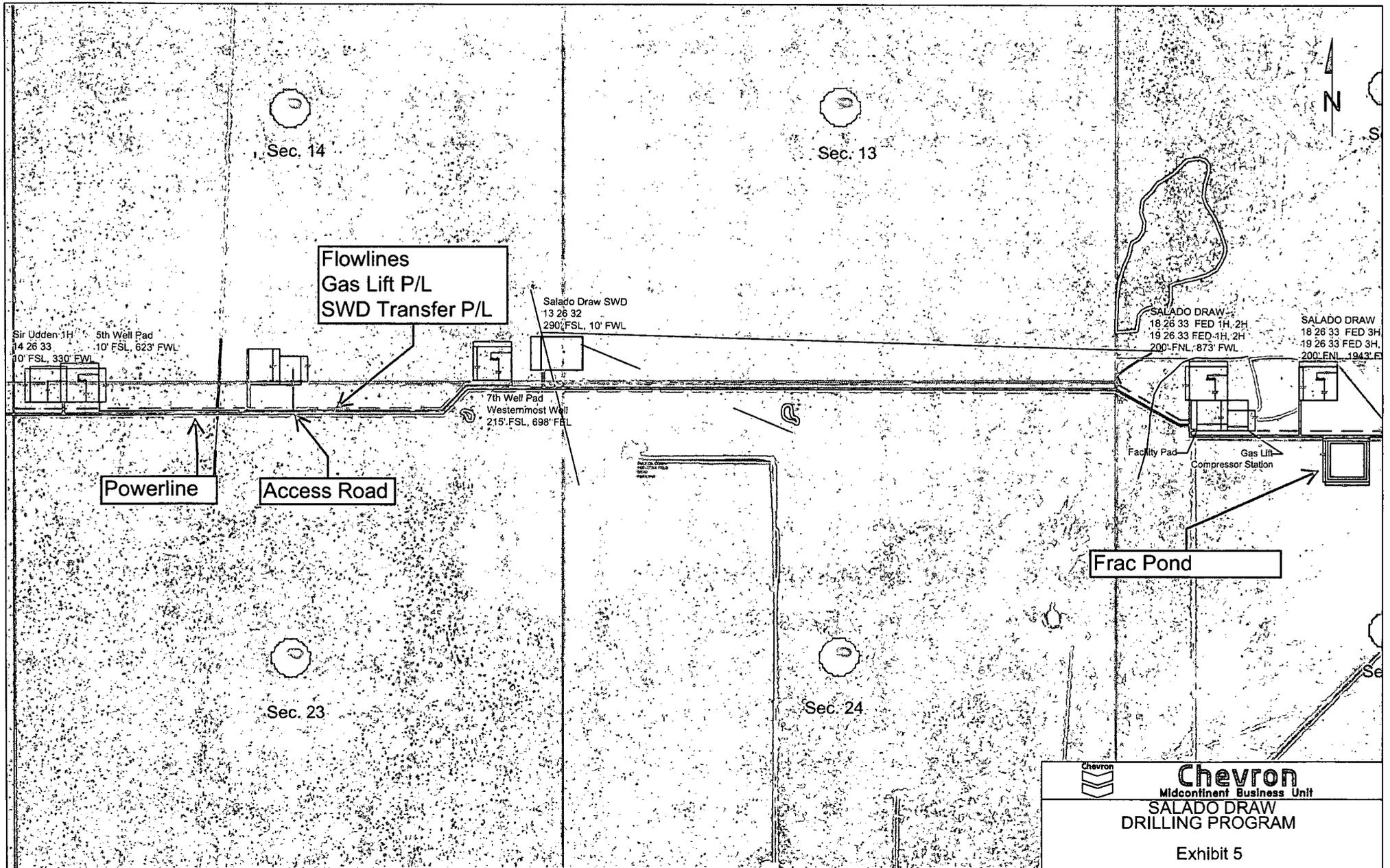
Exhibit 4



PLOT DATE: 12/31/2014 (12.15985)

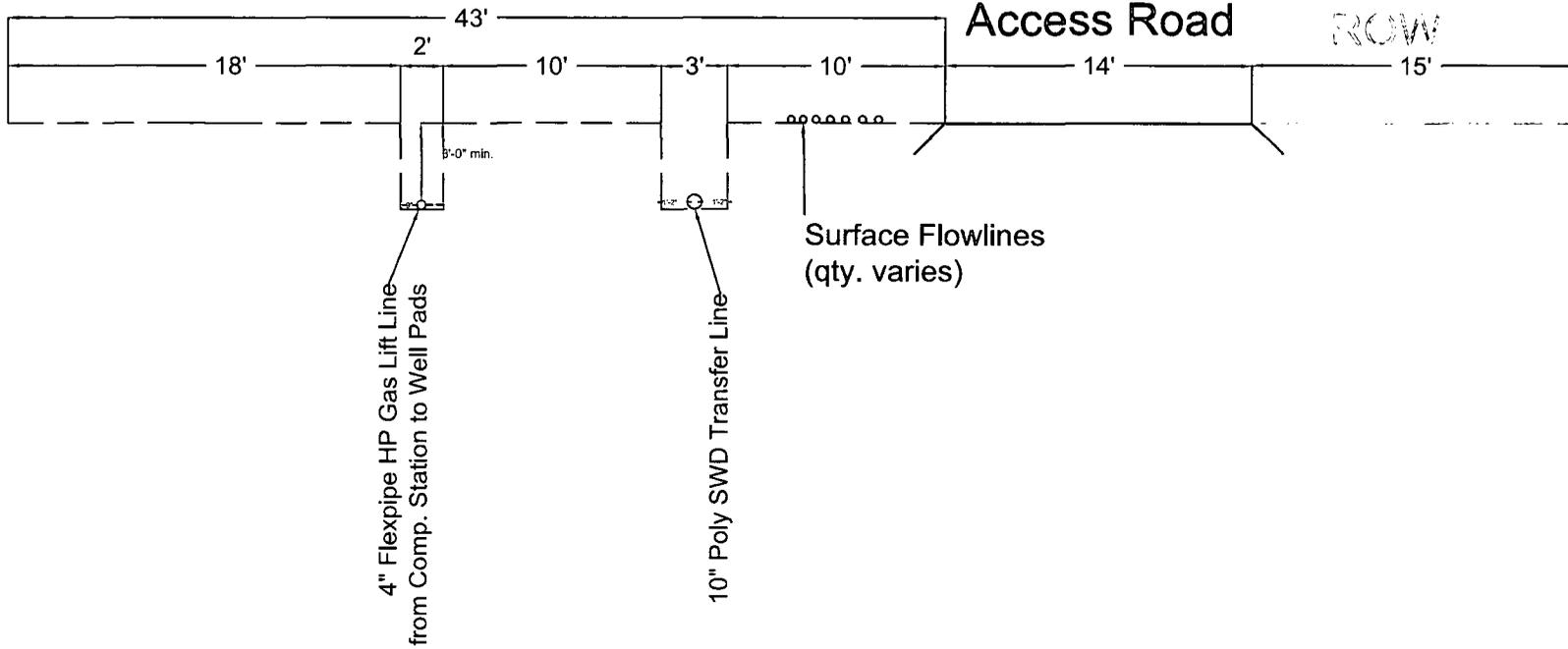
SLDRW-SDW-19CTB-MCB-STB-FDN-2005-1.dwg

<p>ISSUED FOR CONSTRUCTION - DESIGN 01/12/15</p>	<p>REVISIONS</p>				<p>IFC ISSUED FOR CONSTRUCTION</p>	<p>Chevron U.S.A. Inc.</p>	<p>HOBBS FMT - SALADO DRAW SEC. 19 CTB DELAWARE BASIN PLOT PLAN</p>
<p>△</p>					API _____ LEASE _____		<p>SLDRW-SDW-19CTB-MCB-STB-FDN-2005-1</p>



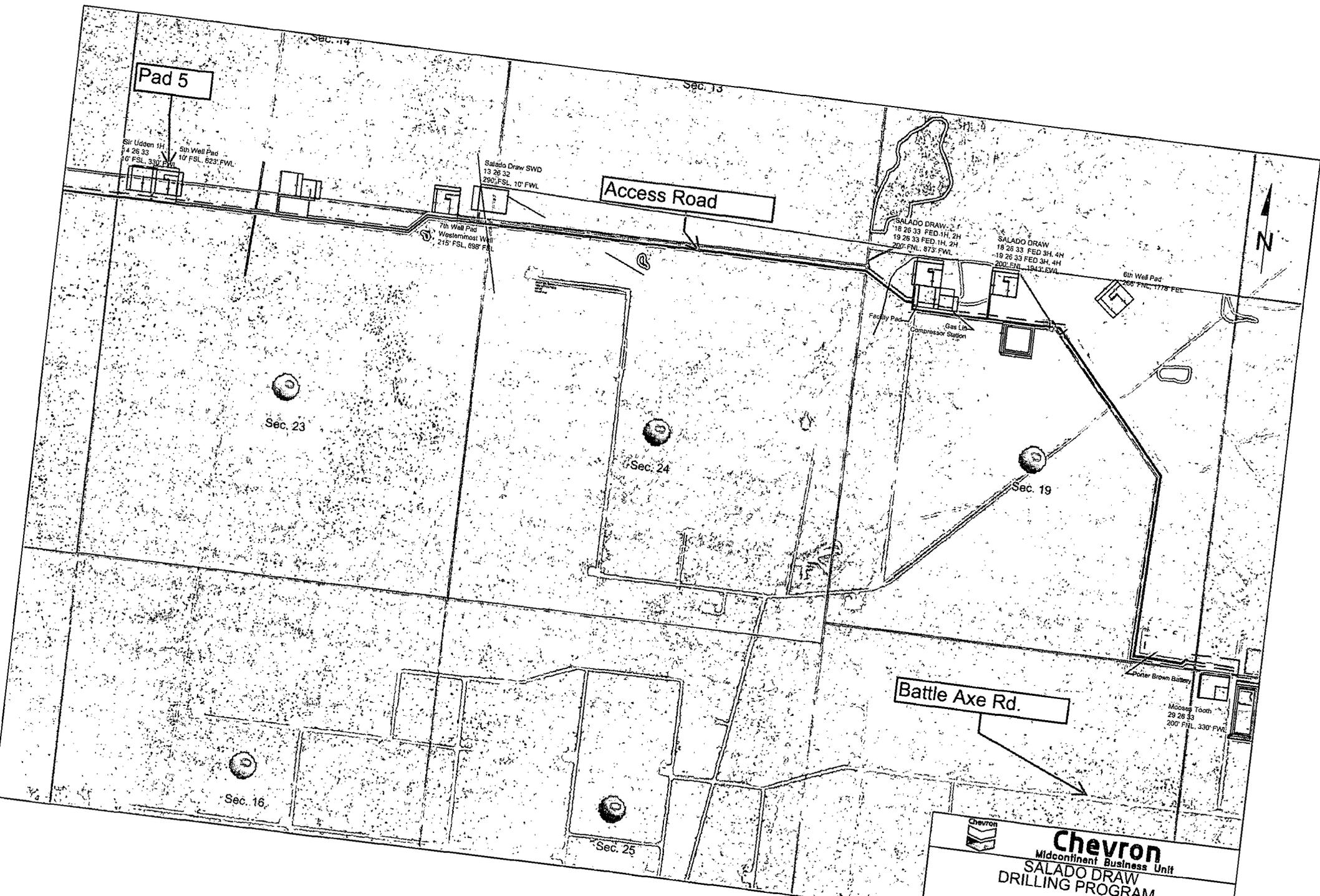

Chevron
 Midcontinent Business Unit
SALADO DRAW
DRILLING PROGRAM
 Exhibit 5

Surface/Buried Pipeline ROW



Chevron
Midcontinent Business Unit

SALADO DRAW
DRILLING PROGRAM
FLOWLINE ROW



Chevron
Midcontinent Business Unit
SALADO DRAW
DRILLING PROGRAM

NW ARCH. AREA CORNER	NE ARCH. AREA CORNER	SE ARCH. AREA CORNER	SW ARCH. AREA CORNER	NW FACILITY PAD CORNER	NE FACILITY PAD CORNER	SE FACILITY PAD CORNER & SW COMPRESSOR PAD CORNER	SW FACILITY PAD CORNER	NW COMPRESSOR PAD CORNER	NE COMPRESSOR PAD CORNER	SE COMPRESSOR PAD CORNER	
X= 712,854 NAD 27 Y= 377,773 LAT. 32.036755 LONG. 103.647075	X= 713,504 NAD 27 Y= 377,781 LAT. 32.036762 LONG. 103.644333	X= 713,508 NAD 27 Y= 377,181 LAT. 32.035112 LONG. 103.644327	X= 712,660 NAD 27 Y= 377,173 LAT. 32.035105 LONG. 103.647069	X= 712,805 NAD 27 Y= 377,535 LAT. 32.036373 LONG. 103.645589	X= 713,105 NAD 27 Y= 377,637 LAT. 32.036375 LONG. 103.645621	X= 713,108 NAD 27 Y= 377,316 LAT. 32.035492 LONG. 103.645619	X= 712,808 NAD 27 Y= 377,314 LAT. 32.035491 LONG. 103.645587	X= 713,105 NAD 27 Y= 377,558 LAT. 32.036179 LONG. 103.645621	X= 713,306 NAD 27 Y= 377,558 LAT. 32.036180 LONG. 103.644975	X= 713,308 NAD 27 Y= 377,318 LAT. 32.035493 LONG. 103.644974	
ELEVATION +3160' NAVD 88		ELEVATION +3163' NAVD 88		ELEVATION +3154' NAVD 88		ELEVATION +3159' NAVD 88		ELEVATION +3156' NAVD 88		ELEVATION +3157' NAVD 88	

COURSE	BEARING	DISTANCE
1	S 89° 30' 40" W	728.30'
2	S 44° 30' 17" W	349.61'
3	S 89° 29' 55" W	3360.97'
4	N 00° 30' 06" W	115.53'

R 32 E

Sec. 14

Bureau of Land Management

Sec. 15

Bureau of Land Management

Sec. 13

Bureau of Land Management

T 26 S

Fnd. 1 1/2" Iron Pipe w/Cap

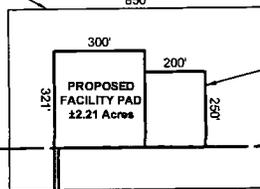
Proposed SD WE 14 Fed P5 1H & 2H SD WE 23 Fed P5 1H & 2H Pad & Access (Pad 5)

Top Soil Area

Proposed Sir Udden 1H Pad

Culvert to be added here

PROPOSED ARCHAEOLOGICAL PAD ±8.35 Acres



PROPOSED COMPRESSOR PAD ±1.15 Acres

PROPOSED ACCESS ROAD ±14 x ±302' ±0.10 Acres ±18.30 Rods

Proposed SD WE 14 Fed P7 3H & 4H SD WE 14 Fed P7 3H & 4H Pad & Access (±63' in length) (Pad 7)

Fence Reroute

Top Soil Area

Calfee Guard across access road

Fence Reroute

Proposed Salado Draw SWD 13 No. 1H Pad & Access

Existing Fence

Sec. 22

Bureau of Land Management

Sec. 23

Bureau of Land Management

Sec. 24

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.

Not to be used for construction, bidding, recordation, conveyance, sales, or as the basis for the issuance of a permit.

PRELIMINARY

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 System - 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.

LEGEND	
	Section Line
	Existing Ditch
	Existing Fence & Reroute
	Found Occupation

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SALADO DRAW PHASE 2 FACILITY & COMPRESSOR PADS
SECTIONS 14 & 23, T26S-R32E
LEA COUNTY, NEW MEXICO

DRAWN BY: BOR		REVISIONS	
PROJ. MGR.: VHV	No. 1	DATE: 06/25/2015	REVISED BY: VHV
DATE: MARCH 09, 2015	No. 2	DATE: 07/16/2015	REVISED BY: VHV
FILENAME: T:\2015\2150321\DWG\Salado Draw Phase 2 Facility_SUP.dwg			



Scale: 1"=400'

400' 0 200' 400'



135 Regency Sq. Lafayette, LA 70508
 Ph. 337-237-2200 Fax. 337-232-3289
 www.fenstermaker.com

Exhibit 2

R 32 E

Sec. 14

Bureau of Land Management

Sec. 23

Bureau of Land Management

T
26
S

SEE
PAGE 1

Salado Draw SWD
13 #1 Pad
(As-Staked)

Existing Fence Line

Proposed Cattle
Guard (As-Staked)

Existing Fence Line

Existing Pipeline

Existing Pipeline

PROPOSED
ACCESS ROAD
14' X ±4,858'
±1.56 Acres
±295.03 Rods

Existing Ditch

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

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LEGEND

	Section Line
	Fence Line
	Ditch
	Existing Pipeline

SURFACE USE PLAT

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SIR UDDEN NO. 1H WELL
SECTIONS 14 & 23, T26S-R32E
LEA COUNTY, NEW MEXICO

Page 2 of 2

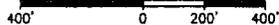


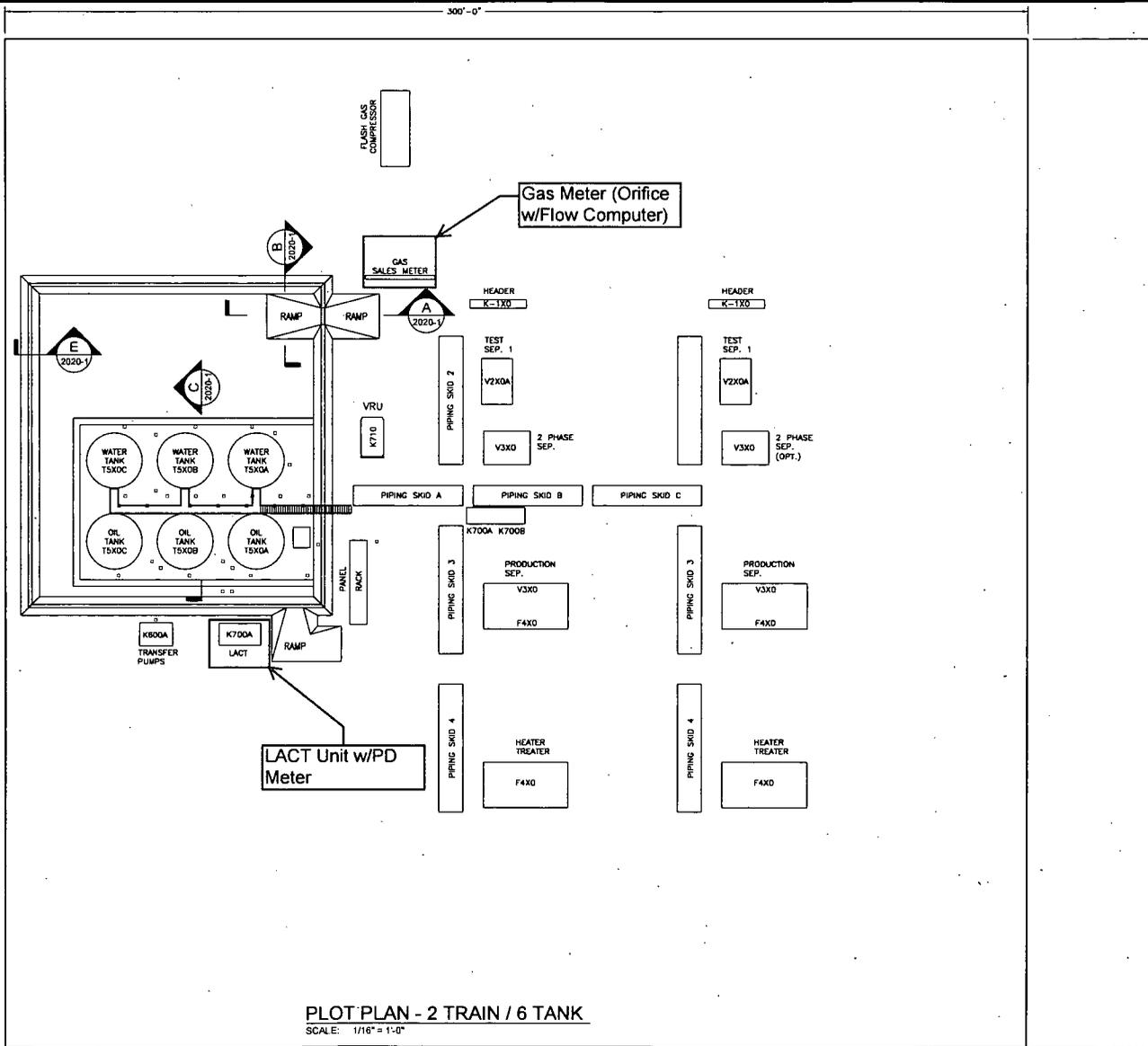
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: BOR		REVISIONS	
PROJ. MGR.: VHV	No.	DATE:	REVISED BY:
DATE: AUGUST 27, 2014	No.	DATE:	REVISED BY:
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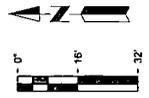


Scale: 1"=400'





PLOT PLAN - 2 TRAIN / 6 TANK
SCALE: 1/16" = 1'-0"



ISSUED FOR CONSTRUCTION - DESIGN 01/12/15	EVM	P.W.	▲
			▲
			▲

REVISIONS	
▲	
▲	
▲	

IFC
ISSUED FOR CONSTRUCTION

Chevron U.S.A. Inc.

HOBBS' FMT - SALADO DRAW SEC. 19 CTB
DELAWARE BASIN
PLOT PLAN
SLDRW-SDW-19CTB-MCB-STB-FDN-2005-1

PLOT DATE: 12/31/2014 (1:215985)
SLDRW-SDW-19CTB-MCB-STB-FDN-2005-1.dwg