

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

5. Lease Serial No.  
NMNM27506

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
SD EA 18 19 FED P14 14H

9. API Well No.

30-025-44139

10. Field and Pool or Exploratory  
W0025009626327G / UPPER WOLFC

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
CHEVRON USA INCORPORATED

3a. Address  
6301 Deauville Blvd. Midland TX 79706

3b. Phone No. (include area code)  
(432)687-7866

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NWNE / 455 FNL / 2555 FEL / LAT 32.049533 / LONG -103.611081

At proposed prod. zone SWSE / 180 FSL / 2374 FEL / LAT 32.02225 / LONG -103.610468

11. Sec., T. R. M. or Blk. and Survey or Area

SEC 18 / T26S / R33E / NMP

14. Distance in miles and direction from nearest town or post office\*  
33 miles

12. County or Parish  
LEA

13. State  
NM

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
455 feet  
(Also to nearest drig. unit line, if any)

16. No. of acres in lease  
1517.74

17. Spacing Unit dedicated to this well  
320

18. Distance from proposed location\*  
to nearest well, drilling, completed, 25 feet  
applied for, on this lease, ft.

19. Proposed Depth  
12213 feet / 23000 feet

20. BLM/BIA Bond No. on file  
FED: CA0329

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
3223 feet

22. Approximate date work will start\*  
01/01/2018

23. Estimated duration  
120 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification

6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature  
(Electronic Submission)

Name (Printed/Typed)  
Denise Pinkerton / Ph: (432)687-7375

Date  
07/06/2017

Title  
Regulatory Specialist

Approved by (Signature)  
(Electronic Submission)

Name (Printed/Typed)  
Cody Layton / Ph: (575)234-5959

Date  
10/12/2017

Title  
Supervisor Multiple Resources

Office  
CARLSBAD

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

APPROVED WITH CONDITIONS

KZ  
10/24/17

★ Double Sided ★

U.S. Department of the Interior  
Bureau of Land Management

## Application for Permit to Drill

## APD Package Report

30-024-44139

Date Printed: 10/16/2017 02:54 PM

APD ID: 10400015010

Well Status: AAPD (319774)

APD Received Date: 07/06/2017 02:18 PM (4323)

Well Name: SD EA 18 19 FED P14

Operator: CHEVRON USA INCORPORATED

Well Number: 14H

## APD Package Report Contents

Pool 98097

- Form 3160-3
- Operator Certification Report
- Application Report
- Application Attachments
  - Well Plat: 2 file(s)
- Drilling Plan Report
- Drilling Plan Attachments
  - Blowout Prevention Choke Diagram Attachment: 2 file(s)
  - Blowout Prevention BOP Diagram Attachment: 2 file(s)
  - Casing Design Assumptions and Worksheet(s): 5 file(s)
  - Hydrogen sulfide drilling operations plan: 1 file(s)
  - Proposed horizontal/directional/multi-lateral plan submission: 2 file(s)
  - Other Facets: 1 file(s)
- SUPO Report
- SUPO Attachments
  - Existing Road Map: 2 file(s)
  - New Road Map: 1 file(s)
  - Access turnout map: 1 file(s)
  - Additional Attachment: 1 file(s)
  - Attach Well map: 1 file(s)
  - Production Facilities map: 4 file(s)
  - Water source and transportation map: 1 file(s)
  - Well Site Layout Diagram: 2 file(s)
  - Recontouring attachment: 2 file(s)
- PWD Report
- PWD Attachments
  - None

HOBBS OCD

OCT 24 2017

RECEIVED

C102 ✓

GCP ✓



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Operator Certification Data Report

10/16/2017

### Operator 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 herein 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 false statements.*

**NAME:** Denise Pinkerton

**Signed on:** 06/08/2017

**Title:** Regulatory Specialist

**Street Address:** 6301 Deauville Blvd

**City:** Midland

**State:** TX

**Zip:** 79706

**Phone:** (432)687-7375

**Email address:** leakejd@chevron.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**





U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Application Data Report

10/16/2017

APD ID: 10400015010

Submission Date: 07/06/2017

Operator Name: CHEVRON USA INCORPORATED

Highlighted data  
reflects the most  
recent changes

Well Name: SD EA 18 19 FED P14

Well Number: 14H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

APD ID: 10400015010

Tie to previous NOS?

Submission Date: 07/06/2017

BLM Office: CARLSBAD

User: Denise Pinkerton

Title: Regulatory Specialist

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM27506

Lease Acres: 1517.74

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO

APD Operator: CHEVRON USA INCORPORATED

Operator letter of designation:

### Operator Info

Operator Organization Name: CHEVRON USA INCORPORATED

Operator Address: 6301 Deauville Blvd.

Zip: 79706

Operator PO Box:

Operator City: Midland

State: TX

Operator Phone: (432)687-7866

Operator Internet Address:

### Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: SD EA 18 19 FED P14

Well Number: 14H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name:  
WC025G09S263327G

Pool Name: UPPER  
WOLFCAMP

Is the proposed well in an area containing other mineral resources? USEABLE WATER



**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Describe other minerals:**

**Is the proposed well in a Helium production area?** N    **Use Existing Well Pad?** NO    **New surface disturbance?**

**Type of Well Pad:** MULTIPLE WELL

**Multiple Well Pad Name:** SD EA Number: 12,13,14,15  
18 19 FED P14

**Well Class:** HORIZONTAL

**Number of Legs:** 1

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** INFILL

**Describe sub-type:**

**Distance to town:** 33 Miles

**Distance to nearest well:** 25 FT

**Distance to lease line:** 455 FT

**Reservoir well spacing assigned acres Measurement:** 320 Acres

**Well plat:** SD\_EA\_18\_19\_Fed\_P14\_14H\_Well\_Plat\_06-08-2017.pdf

SD\_EA\_18\_19\_P14\_14H\_C102\_06-08-2017.pdf

**Well work start Date:** 01/01/2018

**Duration:** 120 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NGVD29

**Survey number:**

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	455	FNL	255 5	FEL	26S	33E	18	Aliquot NWNE	32.04953 3	- 103.6110 81	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	322 3	0	0
KOP Leg #1	455	FNL	255 5	FEL	26S	33E	18	Aliquot NWNE	32.04953 3	- 103.6110 81	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	322 3	0	0
PPP Leg #1	330	FNL	235 9	FEL	26S	33E	18	Aliquot NWNE	32.04987 7	- 103.6104 51	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	- 891 7	121 40	121 40

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FSL	237 4	FEL	26S	33E	19	Aliquot SESE	32.02266 2	- 103.6104 68	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	- 891 7	121 40	121 40
BHL Leg #1	180	FSL	237 4	FEL	26S	33E	19	Aliquot SWSE	32.02225	- 103.6104 68	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	- 899 0	230 00	122 13

Existing Lease Road

R 33 E

## LEGEND

- Proposed Pad
- Centerline Access
- Section Line
- Existing Road
- Existing Pipeline
- Proposed ROW

Existing Pipeline

**PROPOSED  
ARCHAEOLOGICAL  
AREA**  
±4.98 Acres

675'

SD EA 18 19 Fed P14  
No. 14H Well  
455' FNL  
2705' FWL

**PROPOSED PAD**  
±4.32 Acres

**PROPOSED 64' ROW  
CONTAINING 4 FLOWLINES,  
2 GAS LIFT LINES, 15' EDS &  
TEMPORARY WATER LINE**  
±7,803.69', ±472.95 Rods

Sec.18

Bureau of Land Management

T  
26  
S

**CENTERLINE  
PROPOSED  
ACCESS ROAD  
(EXIT)**  
20' x ±64.25'  
±3.89 Rods  
±0.03 Acres

600'

N 89° 34' 11" E  
15.01'

SD EA 18 19 FED P14 NO. 14H WELL	
X=	723,922 NAD 27
Y=	382,449
LAT.	32.049408
LONG.	103.610612
X=	765,109 NAD83
Y=	382,507
LAT.	32.049533
LONG.	103.611081
ELEVATION +3223' NAVD 88	

NAD 27 NEW MEXICO EAST ZONE

Scale: 1" = 200'

200' 0 100' 200'



C H Fenstermaker & Associates, L.L.C.  
135 Regency Sq. Lafayette, LA 70508  
Ph 337-237-2200 Fax 337-232-3299  
www.fenstermaker.com

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.



NW PAD CORNER	NE PAD CORNER	NW ARCH. AREA CORNER	NE ARCH. AREA CORNER
X= 723,661 NAD 27	X= 724,156 NAD 27	X= 723,570 NAD 27	X= 724,245 NAD 27
Y= 382,567	Y= 382,571	Y= 382,747	Y= 382,751
ELEVATION +3224' NAVD 88	ELEVATION +3227' NAVD 88	ELEVATION +3225' NAVD 88	ELEVATION +3229' NAVD 88
SW PAD CORNER	SE PAD CORNER	SW ARCH. AREA CORNER	SE ARCH. AREA CORNER
X= 723,664 NAD 27	X= 724,159 NAD 27	X= 723,574 NAD 27	X= 724,249 NAD 27
Y= 382,187	Y= 382,191	Y= 382,147	Y= 382,151
ELEVATION +3221' NAVD 88	ELEVATION +3223' NAVD 88	ELEVATION +3221' NAVD 88	ELEVATION +3223' NAVD 88

## WELL PLAT

PAGE 1 of 3

**CHEVRON U.S.A. INC.**  
**PROPOSED PAD & ACCESS ROADS**  
**SD EA 18 19 FED P14 NO. 14H WELL**  
**SECTIONS 18 & 19, T26S-R33E**  
**LEA COUNTY, NEW MEXICO**

DRAWN BY: BOR

## REVISIONS

PROJ. MGR.: VHV

No. 1

DATE: MAY 19, 2017

REVISED BY: BOR

DATE: 03/23/2017

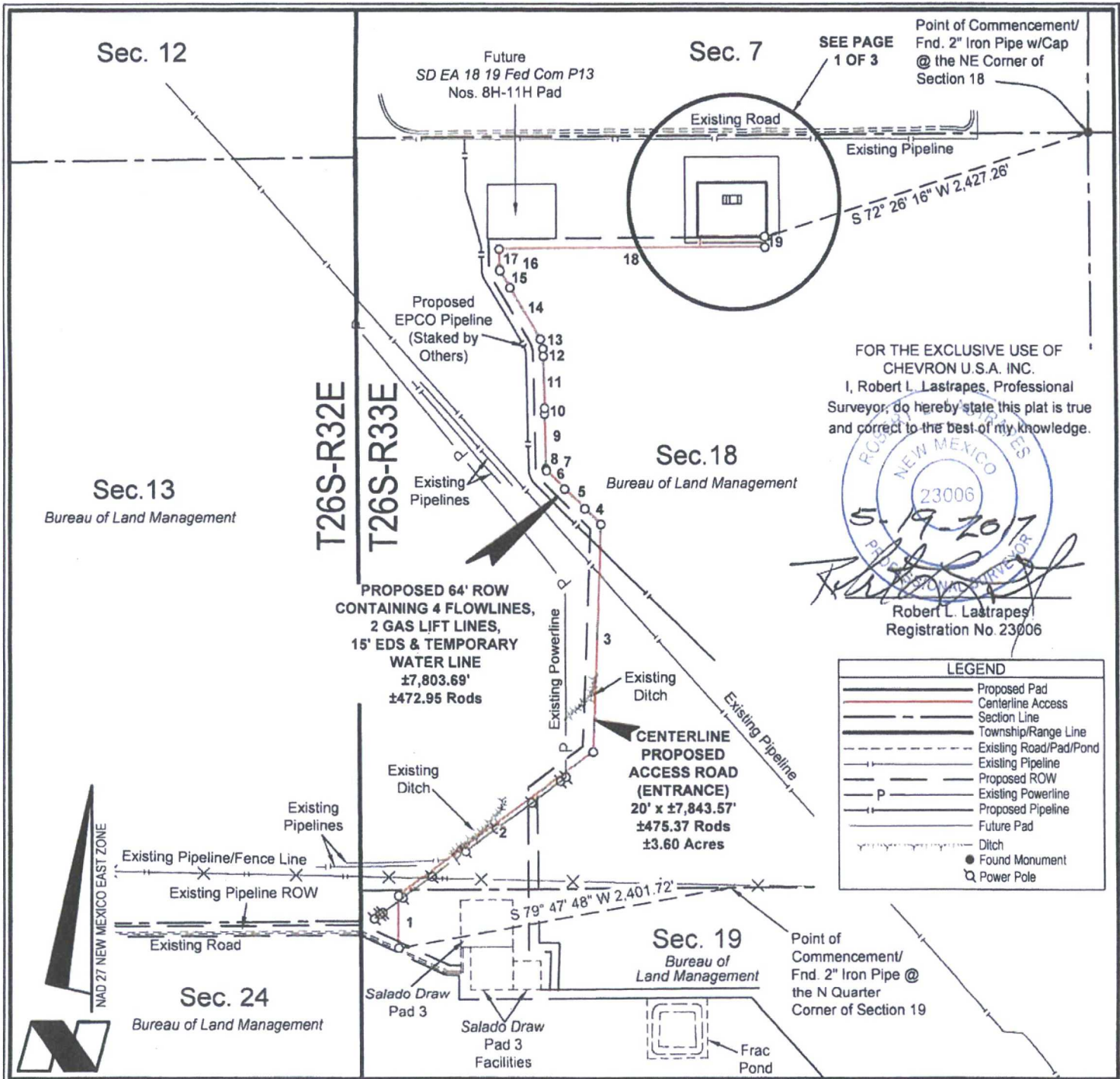
No.

DATE:

REVISED BY:

FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 14H\_Well Plat.dwg





Point of Commencement/  
Fnd. 2" Iron Pipe w/Cap  
@ the NE Corner of  
Section 18

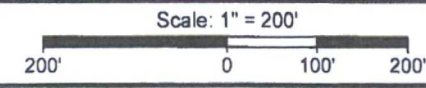
SEE PAGE  
1 OF 3

S 72° 26' 16" W 2,427.26'

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.

NEW MEXICO  
23006  
5-19-2017  
Robert L. Lastrapes  
Registration No. 23006

LEGEND	
	Proposed Pad
	Centerline Access
	Section Line
	Township/Range Line
	Existing Road/Pad/Pond
	Existing Pipeline
	Proposed ROW
	Existing Powerline
	Proposed Pipeline
	Future Pad
	Ditch
	Found Monument
	Power Pole



**CHEVRON U.S.A. INC.**  
**PROPOSED PAD & ACCESS ROADS**  
**SD EA 18 19 FED P14 NO. 14H WELL**  
**SECTIONS 18 & 19, T26S-R33E**  
**LEA COUNTY, NEW MEXICO**



C H Fenstermaker & Associates, L.L.C.  
 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. 1	DATE: MAY 19, 2017	REVISED BY: BOR
DATE: 03/23/2017	No.	DATE:	REVISED BY:
FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 14H_Well Plat.dwg			

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. 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.nmonecall.org](http://www.nmonecall.org).

CENTERLINE PROPOSED EXIT ACCESS ROAD		
COURSE	BEARING	DISTANCE
1	S 00° 32' 27" E	64.25'

PROPOSED PAD		
COURSE	BEARING	DISTANCE
20	S 89° 34' 11" W	495.00'
21	N 00° 25' 49" W	380.00'
22	N 89° 34' 11" E	495.00'
23	S 00° 25' 49" E	380.00'

CENTERLINE PROPOSED ENTRANCE ACCESS ROAD		
COURSE	BEARING	DISTANCE
1	N 00° 00' 36" W	367.24'
2	N 53° 59' 26" E	1720.66'
3	N 02° 11' 17" E	1601.23'
4	N 45° 58' 09" W	158.20'
5	N 45° 56' 23" W	199.35'
6	N 45° 45' 11" W	183.54'
7	N 30° 44' 42" W	5.62'
8	N 15° 48' 07" W	7.53'
9	N 01° 12' 22" W	384.75'
10	N 01° 08' 59" W	39.38'
11	N 01° 11' 28" W	364.20'
12	N 02° 13' 17" W	52.10'
13	N 15° 23' 17" W	71.69'
14	N 31° 14' 05" W	420.33'
15	N 31° 10' 36" W	138.06'
16	N 16° 58' 14" W	7.31'
17	N 01° 05' 59" W	143.97'
18	N 89° 34' 14" E	1904.52'
19	N 00° 27' 53" W	73.89'

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.

5-19-2017

Robert L. Lastrapes  
Registration No. 23006



C. H. Fenstermaker & Associates, L.L.C.  
135 Regency Sq. Lafayette, LA 70508  
Ph. 337-237-2200 Fax. 337-232-3299  
[www.fenstermaker.com](http://www.fenstermaker.com)

WELL PLAT

PAGE 3 of 3

**CHEVRON U.S.A. INC.**  
PROPOSED PAD & ACCESS ROAD  
SD EA 18 19 FED P14 NO. 14H WELL  
SECTIONS 18 & 19, T26S-R33E  
LEA COUNTY, NEW MEXICO

DRAWN BY: BOR

REVISIONS

PROJ. MGR.: VHV

No. 1

DATE: MAY 19, 2017

REVISED BY: BOR

DATE: 03/23/2017

No.

DATE:

REVISED BY:

FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 14H\_Well Plat.dwg



APD ID: 10400015010

Submission Date: 07/06/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED P14

Well Number: 14H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	RUSTLER	3223	800	800	ANHYDRITE	NONE	No
2	CASTILE	-257	3480	3480	DOLOMITE	NONE	No
3	LAMAR	-1677	4900	4900	LIMESTONE	NONE	No
4	BELL CANYON	-1707	4930	4930	SANDSTONE	NONE	No
5	CHERRY CANYON	-2747	5970	5970	SANDSTONE	NONE	No
6	BRUSHY CANYON	-4397	7620	7620	SANDSTONE	NONE	No
7	BONE SPRING LIME	-5867	9090	9090	LIMESTONE	NONE	No
8	UPPER AVALON SHALE	-5897	9120	9120	SHALE	NONE	No
9	BONE SPRING 1ST	-6817	10040	10040	LIMESTONE	NONE	No
10	BONE SPRING 2ND	-7477	10700	10700	LIMESTONE	NONE	No
11	BONE SPRING 3RD	-8517	11740	11740	LIMESTONE	NONE	No
12	WOLFCAMP	-8917	12140	23000	SHALE	OIL	Yes

## Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M

Rating Depth: 12213

**Equipment:** MINIMUM OF 10000 PSI RIG STACK (SEE PROPOSED SCHEMATIC FOR DRILL OUT BELOW SURFACE CASING) WOLFCAMP IS NOT EXPOSED UNTIL DRILLOUT OF THE INTER CSG. COULD USE THE 5000 PSI RIG STACK FOR DRILL OUT BELOW SURF CSG DUE TO AVAILABILITY OF 10M ANNULAR.

Requesting Variance? YES

**Variance request:** FMC UH2 MULTIBOWL WELLHEAD, WHICH WILL BE RUN THRU THE RIG FLOOR ON SURF CSG. BOPE WILL BE NIPPLED UP & TESTED AFTER CEMENTING SURF CSG. SUBSEQUENT TESTS WILL BE PERFORMED AS NEEDED, NOT TO EXCEED 30 DAYS. SEE ATTACHED WELLHEAD SCHEMATIC ALSO, REQUEST VARIANCE TO USE FLEX CHOKE HOSE ON ALL WELLS ON THE PAD (SEE ATTACHMENT)



Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED P14

Well Number: 14H

**Testing Procedure:** STACK WILL BE TESTED AS SPECIFIED IN THE ATTACHED TESTING REQUIREMENTS. BATCH DRILLING OF THE SURF, INTER, & PROD WILL TAKE PLACE. A FULL BOP TEST WILL BE PERFORMED UNLESS APPROVAL FROM BLM IS RECVD OTHERWISE. FLEX CHOKE HOSE WILL BE USED FOR ALL WELLS ON THE PAD. BOP TEST WILL BE CONDUCTED BY A 3RD PARTY. THE FIELD REPORT FROM FMC & BOP TEST INFO WILL BE PROVIDED IN A SUBSEQUENT REPORT AT THE END OF THE WELL. AN INSTALLATION MANUAL HAS BEEN PLACED ON FILE WITH THE BLM OFFICE AND REMAINS UNCHANGED FROM PREVIOUS SUBMITTAL.

**Choke Diagram Attachment:**

Choke\_hose\_Spec\_X30\_20170907073350.pdf

1684\_001\_20170907073405.pdf

**BOP Diagram Attachment:**

UH\_2\_10K\_20170907073419.pdf

10M\_BOP\_Choke\_Schematics\_BLM\_new\_20170915085207.pdf

### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	800	0	-800	-8990	-8190	800	J-55	55	STC	3.12	1.36	DRY	3.17	DRY	1.7
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	11500	0	-11500	-8990	2510	11500	HCL-80	43.5	LTC	1.44	1.12	DRY	1.93	DRY	1.37
3	PRODUCTION	8.5	5.5	NEW	API	N	0	22300	0	-22300	-8990	14010	22300	P-110	20	OTHER - TXP BTC	1.23	1.11	DRY	1.97	DRY	1.37

**Casing Attachments**

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

#### Casing Attachments

---

**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

SD\_\_EA\_1819\_FED\_COM\_P14\_14H\_9\_PT\_PLAN\_20170907073531.pdf

---

**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

SD\_\_EA\_1819\_FED\_COM\_P14\_14H\_9\_PT\_PLAN\_20170907073602.pdf

9.625\_43.5lb\_L80IC\_LTC\_20170907073614.pdf

---

**Casing ID:** 3      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

SD\_\_EA\_1819\_FED\_COM\_P14\_14H\_9\_PT\_PLAN\_20170907073807.pdf

TenarisXP\_BTC\_5.500\_20\_P110\_ICY\_20170907073826.PDF

---

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED P14

Well Number: 14H

#### Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	800	650	1.33	14.8	6.57	50	CLASS C	NONE

INTERMEDIATE	Lead		4870	1065 0	1024	2.21	11.9	12.18	25	50:50 POZ CLASS C	NONE
INTERMEDIATE	Tail		1065 0	1115 0	184	1.22	15.6	5.37	25	CLASS H	NONE
PRODUCTION	Lead		1035 0	2300 0	1362	1.2	15.6	5.05	17	ACID SOLUBLE	NONE

#### Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: IN COMPLIANCE WITH ONSHORE ORDER #2

Describe the mud monitoring system utilized: VISUAL MUD MONITORING EQPT, PVT, STROKE COUNTER, FLOW SENSOR IN COMPLIANCE WITH ONSHORE ORDER #2

#### Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1115 0	1230 0	OIL-BASED MUD	9.5	13.5							
800	1115 0	OIL-BASED MUD	8.7	9.2							



**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1230 0	2230 0	OIL-BASED MUD	9.5	13.5							
0	800	SPUD MUD	8.3	8.7							

## Section 6 - Test, Logging, Coring

**List of production tests including testing procedures, equipment and safety measures:**

DRILL STEM TESTS NOT PLANNED

**List of open and cased hole logs run in the well:**

MWD

**Coring operation description for the well:**

CONVENTIONAL WHOLE CORE SAMPLES ARE NOT PLANNED; DIRECTIONAL SURVEY TO BE RUN

## Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 8573

**Anticipated Surface Pressure:** 5886.14

**Anticipated Bottom Hole Temperature(F):** 160

**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

SD\_EA\_18\_19\_Fed\_Com\_P14\_H2S\_07-06-2017.pdf

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

## **Section 8 - Other Information**

**Proposed horizontal/directional/multi-lateral plan submission:**

SD\_EA\_18\_19\_P14\_14H\_Plot\_07-06-2017.pdf

SD\_18\_19\_P14\_14H\_Direc\_Surv\_07-06-2017.pdf

**Other proposed operations facets description:**

**Other proposed operations facets attachment:**

Gas\_Capture\_Plan\_Form\_Pad\_14\_20170907074100.pdf

**Other Variance attachment:**



APD ID: 10400015010

Submission Date: 07/06/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED P14

Well Number: 14H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

## Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

SD\_EA\_18\_19\_Fed\_P14\_14H\_Work\_Aerial\_Detail\_06-08-2017.pdf

SD\_EA\_18\_19\_Fed\_P14\_14H\_Road\_Plat\_20170907072723.pdf

Existing Road Purpose: ACCESS, FLUID TRANSPORT

Row(s) Exist? NO

### ROW ID(s)

ID:

Do the existing roads need to be improved? YES

Existing Road Improvement Description: REPAIR POT HOLES, CLEAR DITCHES, REPAIR CROWN, ETC.

Existing Road Improvement Attachment:

## Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

SD\_EA\_18\_19\_Fed\_P14\_14H\_Well\_Plat\_06-08-2017.pdf

New road type: LOCAL

Length: 7908

Feet

Width (ft.): 25

Max slope (%): 2

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 25

New road access erosion control: WILL HAVE A DUST ABATEMENT POLYMER COATING TO DECREASE DUST AS WELL AS HELP MAINTAIN THE ROAD.

New road access plan or profile prepared? NO

New road access plan attachment:



**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Access road engineering design?** NO

**Access road engineering design attachment:**

**Access surfacing type:** OTHER

**Access topsoil source:** ONSITE

**Access surfacing type description:** CALICHE

**Access onsite topsoil source depth:** 0

**Offsite topsoil source description:**

**Onsite topsoil removal process:** NONE NEEDED

**Access other construction information:**

**Access miscellaneous information:**

**Number of access turnouts:** 60

**Access turnout map:**

### **Drainage Control**

**New road drainage crossing:** CROSSING,LOW WATER

**Drainage Control comments:** DITCHING WILL BE CONSTRUCTED ON BOTH SIDES OF ROAD.

**Road Drainage Control Structures (DCS) description:** DITCHING WILL BE CONSTRUCTED ON BOTH SIDES OF ROAD

**Road Drainage Control Structures (DCS) attachment:**

### **Access Additional Attachments**

**Additional Attachment(s):**

### **Section 3 - Location of Existing Wells**

**Existing Wells Map?** YES

**Attach Well map:**

SD\_EA\_18\_19\_P14\_14H\_1\_MILE\_RAD\_MAP\_06-08-2017.PDF

**Existing Wells description:**

### **Section 4 - Location of Existing and/or Proposed Production Facilities**

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Estimated Production Facilities description:**

**Production Facilities description:**

**Production Facilities map:**

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

SD\_EA\_18\_19\_Fed\_P14\_14H\_Work\_Aerial\_Detail\_06-08-2017.pdf

SD\_EA\_18\_19\_Fed\_Com\_P14\_EDS\_Line\_Plat\_Prelim\_20170907072812.pdf

SD\_EA\_18\_19\_Fed\_Com\_P14\_Flowline\_Plat\_Prelim\_20170907072827.pdf

SD\_EA\_18\_19\_Fed\_Com\_P14\_Gas\_Lift\_Lines\_Plat\_Prelim\_20170907072840.pdf

## Section 5 - Location and Types of Water Supply

### Water Source Table

**Water source use type:** INTERMEDIATE/PRODUCTION CASING,  
STIMULATION, SURFACE CASING

**Water source type:** OTHER

**Describe type:** INTERMEDIATE/PRODUCTION CASING, SURFACE  
CASING, STIMULATION

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** PRIVATE CONTRACT

**Source land ownership:** FEDERAL

**Water source transport method:** PIPELINE

**Source transportation land ownership:** FEDERAL

**Water source volume (barrels):** 659461.25

**Source volume (acre-feet):** 85

**Source volume (gal):** 27697372

**Water source and transportation map:**

SD\_EA\_18\_19\_Fed\_P14\_14H\_Work\_Aerial\_Detail\_06-08-2017.pdf

**Water source comments:** EXISTING PONDS IN SEC 19,T26S-R33E - FW & SEC 23 T26S-R33 & SEC 13 T26S-R33 -  
RECYCLED WTR. SEE SURFACE USE PLAN

**New water well?** NO

### New Water Well Info

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Casing length (ft.):**

**Casing top depth (ft.):**

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Well Production type:**

**Completion Method:**

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

## Section 6 - Construction Materials

**Construction Materials description:** CALICHE WILL BE USED TO CONSTRUCT WELL PAD & ROADS & PURCHASED FROM THE PRIVATE LAND OWNER, OLIVER KIEHNE. PIT LOCATED IN SEC 27, T26, R33E, LEA CNTY, & ALTERNATIVE @ N2 SEC 21, T26S, R33E, LEA COUNTY, NM.

**Construction Materials source location attachment:**

## Section 7 - Methods for Handling Waste

**Waste type:** GARBAGE

**Waste content description:** GARBAGE & TRASH

**Amount of waste:** 200 pounds

**Waste disposal frequency :** Daily

**Safe containment description:** WILL BE COLLECTED IN TRASH CONTAINER & DISPOSED OF AT STATE APPROVED FACILITY

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** STATE

**Disposal type description:**

**Disposal location description:** STATE APPROVED FACILITY

## Reserve Pit

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)** **Reserve pit width (ft.)**

**Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)**

**Is at least 50% of the reserve pit in cut?**

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

## Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO



**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Description of cuttings location**

**Cuttings area length (ft.)**

**Cuttings area width (ft.)**

**Cuttings area depth (ft.)**

**Cuttings area volume (cu. yd.)**

**Is at least 50% of the cuttings area in cut?**

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

## Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:**

## Section 9 - Well Site Layout

**Well Site Layout Diagram:**

SD\_EA\_18\_19\_Fed\_P14\_14H\_Well\_Plat\_06-08-2017.pdf

SD\_EA\_1819\_Fed\_Com\_P14\_Rig\_Layout\_07-06-2017.pdf

**Comments:**

## Section 10 - Plans for Surface Reclamation

**Type of disturbance:** NEW

**Recontouring attachment:**

SD\_EA\_18\_19\_Fed\_P14\_14H\_Interim\_Reclamation\_06-08-2017.pdf

P14\_14H\_APD\_SUPO\_06-08-2017.pdf

**Drainage/Erosion control construction:** SEE SURFACE USE PLAN

**Drainage/Erosion control reclamation:** SEE SURFACE USE PLAN

**Wellpad long term disturbance (acres):** 2.45

**Wellpad short term disturbance (acres):** 1.86

**Access road long term disturbance (acres):** 4.54

**Access road short term disturbance (acres):** 4.54

**Pipeline long term disturbance (acres):** 0

**Pipeline short term disturbance (acres):** 10.98967

**Other long term disturbance (acres):** 0

**Other short term disturbance (acres):** 0

**Total long term disturbance:** 6.99

**Total short term disturbance:** 17.38967

**Reconstruction method:** SEE SURFACE USE P LAN

**Topsoil redistribution:** SEE SURFACE USE PLAN

**Soil treatment:** SEE SURFACE USE PLAN

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Existing Vegetation at the well pad:** MESQUITE, SHRUBS, GRASS

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** MESQUITE, SHRUBS, GRASS

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:** MESQUITE, SHRUBS, GRASS

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:** MESQUITE, SHRUBS, GRASS

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

## Seed Management

### Seed Table

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

### Seed Summary

**Total pounds/Acre:**

**Seed Type**

**Pounds/Acre**

**Seed reclamation attachment:**

### Operator Contact/Responsible Official Contact Info

**First Name:**

**Last Name:**

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Phone:**

**Email:**

**Seedbed prep:**

**Seed BMP:**

**Seed method:**

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** NONE NEEDED

**Weed treatment plan attachment:**

**Monitoring plan description:** NONE NEEDED

**Monitoring plan attachment:**

**Success standards:** N/A

**Pit closure description:** N/A

**Pit closure attachment:**

## **Section 11 - Surface Ownership**

**Disturbance type:** NEW ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**



**Operator Name:** CHEVRON USA INCORPORATED

**Well Name:** SD EA 18 19 FED P14

**Well Number:** 14H

**Disturbance type:** PIPELINE

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

## Section 12 - Other Information

**Right of Way needed?** YES

**Use APD as ROW?** YES

**ROW Type(s):** 288100 ROW – O&G Pipeline

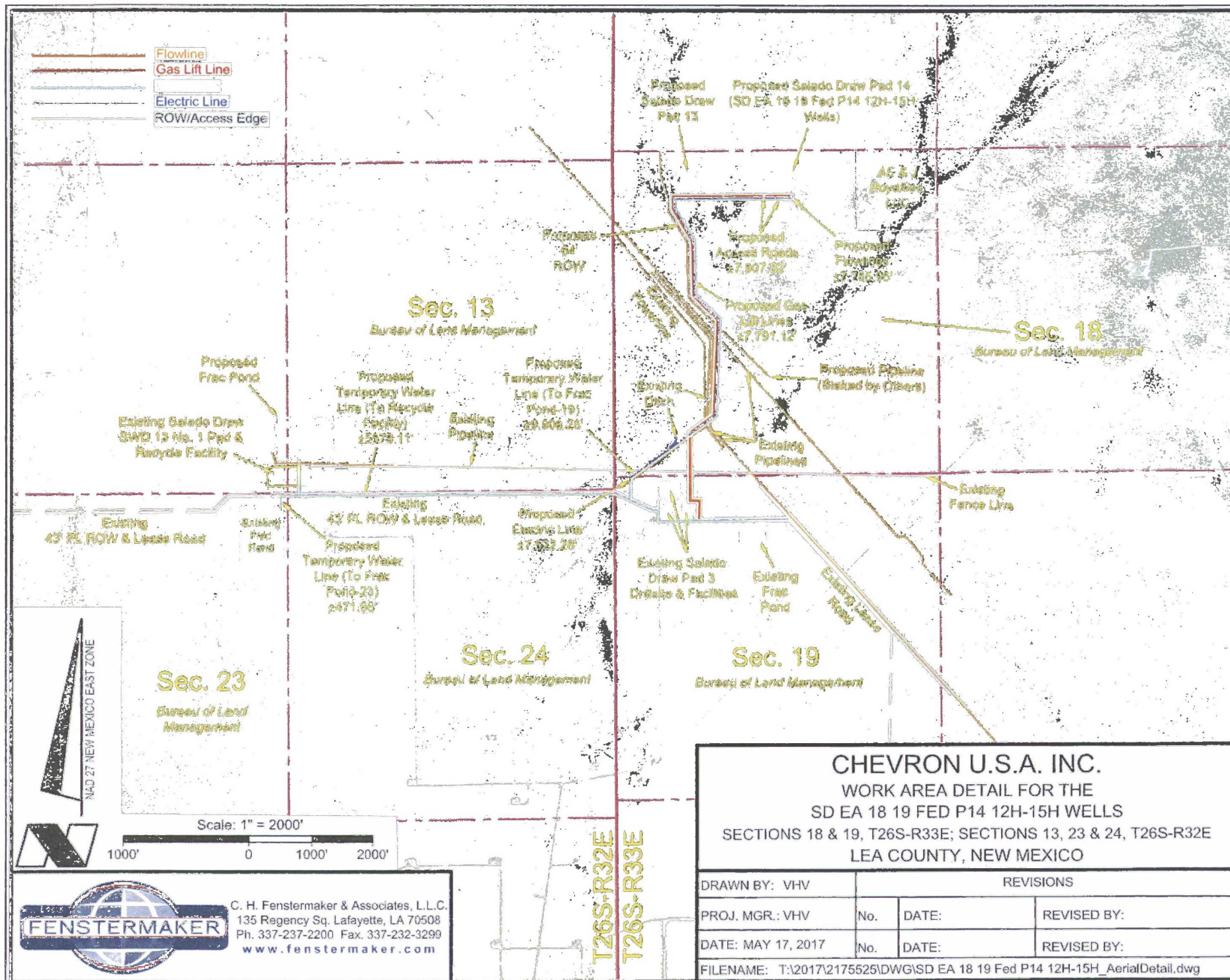
## ROW Applications

**SUPO Additional Information:**

**Use a previously conducted onsite?** YES

**Previous Onsite information:** ON SITE PERFORMED BY BLM NRS: PAUL MURPHY 4/13/2017

## Other SUPO Attachment



**CHEVRON U.S.A. INC.**

WORK AREA DETAIL FOR THE

SD EA 18 19 FED P14 12H-15H WELLS

SECTIONS 18 & 19, T26S-R33E; SECTIONS 13, 23 & 24, T26S-R32E

LEA COUNTY, NEW MEXICO

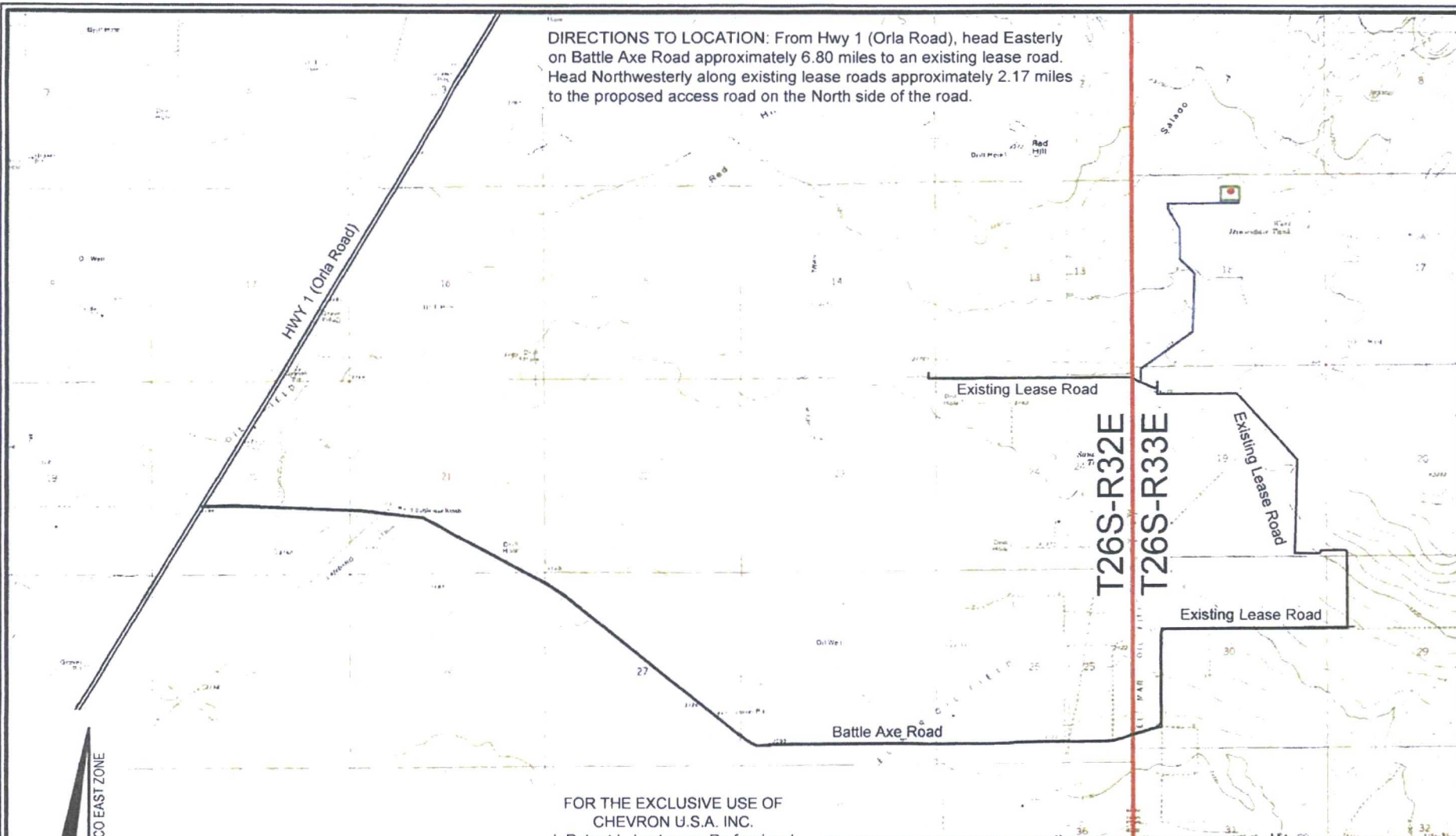
DRAWN BY: VHV		REVISIONS	
PROJ. MGR.: VHV	No.	DATE:	REVISED BY:
DATE: MAY 17, 2017	No.	DATE:	REVISED BY:
FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 12H-15H_AerialDetail.dwg			



C. H. Fenstermaker & Associates, L.L.C.  
 135 Regency Sq. Lafayette, LA 70508  
 Ph. 337-237-2200 Fax. 337-232-3299  
[www.fenstermaker.com](http://www.fenstermaker.com)



DIRECTIONS TO LOCATION: From Hwy 1 (Orla Road), head Easterly on Battle Axe Road approximately 6.80 miles to an existing lease road. Head Northwesterly along existing lease roads approximately 2.17 miles to the proposed access road on the North side of the road.



T26S-R32E  
T26S-R33E

NAD 27 NEW MEXICO EAST ZONE

#### LEGEND

- Proposed Well
- Proposed Access Road
- Proposed Drillsite
- Existing Road
- Township/Range Line

Scale: 1" = 4,000'

4,000' 0 2,000' 4,000'

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.



Robert L. Lastrapes  
Registration No. 23006

#### ROAD PLAT

**CHEVRON U.S.A. INC.**  
SD EA 18 19 FED P14 NO. 14H WELL  
LOCATED 455' FNL & 2705' FWL  
SECTION 18, T26S-R33E  
LEA COUNTY, NEW MEXICO

DRAWN BY: BOR

#### REVISIONS

PROJ. MGR.: VHV	No. 1	DATE: MAY 19, 2017	REVISED BY: BOR
DATE: 03/23/2017	No.	DATE:	REVISED BY:

FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 14H\_Road Plat.dwg



C. H. Fenstermaker & Associates, L.L.C.  
135 Regency Sq. Lafayette, LA 70508  
Ph. 337-237-2200 Fax 337-232-3299  
www.fenstermaker.com



# PAD DESIGN TABLE

PT	NATURAL GROUND ELEV.	DESIGN ELEV.	CUT / FILL
A	3223.46	3222.10	-1.36
B	3223.50	3222.10	-1.40
C	3226.71	3222.10	-4.61
D	3223.72	3222.10	-1.62
E	3223.00	3222.10	-0.90
F	3221.03	3222.10	1.07
G	3220.83	3222.10	1.27
H	3221.72	3222.10	0.38
I	3222.71	3222.10	-0.61
J	3222.64	3222.10	-0.54
K	3222.70	3222.10	-0.60
L	3222.68	3222.10	-0.58

## Sec. 18

Bureau of Land Management

T  
26  
S

R 33 E

PROPOSED PAD

CUT AREA

FILL AREA

SD EA 18 19 Fed P14  
No. 12H Well

SD EA 18 19 Fed P14  
No. 13H Well

SD EA 18 19 Fed P14  
No. 14H Well

SD EA 18 19 Fed P14  
No. 15H Well

Edge of Proposed 64' ROW

Proposed Exit  
Access Road

Proposed Entrance  
Access Road

NAD 27 NEW MEXICO EAST ZONE

PAD CUT VOLUME = 2,618.69 Cu Yd  
PAD FILL VOLUME = 2,618.88 Cu Yd  
PAD NET VOLUME = 0.18 Cu Yd Fill

Scale: 1" = 100'

100' 0 50' 100'

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.



Robert L. Lastrapes  
Registration No. 23006

## CUT & FILL PLAT

PAGE 1 OF 3

**CHEVRON U.S.A. INC.**

PROPOSED PAD

SD EA 18 19 FED P14 NOS. 12H-15H WELLS

SECTION 18, T26S-R33E

LEA COUNTY, NEW MEXICO

DRAWN BY: BOR

## REVISIONS

PROJ. MGR.: VHV

No.

DATE:

REVISED BY:

DATE: MAY 18, 2017

No.

DATE:

REVISED BY:

FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 12H-15H\_Cut-Fill.dwg



C. H. Fenstermaker & Associates, L.L.C.  
135 Regency Sq. Lafayette, LA 70508  
Ph 337-237-2200 Fax 337-232-3299  
www.fenstermaker.com



NW ARCH. AREA CORNER	NE ARCH. AREA CORNER
X= 723,570 NAD 27	X= 724,245 NAD 27
Y= 382,747	Y= 382,751
LAT. 32.050231	LAT. 32.050231
LONG. 103.611742	LONG. 103.609564
X= 764,757 NAD83	X= 765,432 NAD83
Y= 382,804	Y= 382,808
LAT. 32.050357	LAT. 32.050356
LONG. 103.612211	LONG. 103.610033
ELEVATION +3225' NAVD 88	ELEVATION +3229' NAVD 88
SW ARCH. AREA CORNER	SE ARCH. AREA CORNER
X= 723,574 NAD 27	X= 724,249 NAD 27
Y= 382,147	Y= 382,151
LAT. 32.048582	LAT. 32.048582
LONG. 103.611743	LONG. 103.609564
X= 764,761 NAD83	X= 765,436 NAD83
Y= 382,204	Y= 382,208
LAT. 32.048707	LAT. 32.048707
LONG. 103.612212	LONG. 103.610033
ELEVATION +3221' NAVD 88	ELEVATION +3223' NAVD 88

NW PAD CORNER	NE PAD CORNER
X= 723,661 NAD 27	X= 724,156 NAD 27
Y= 382,567	Y= 382,571
LAT. 32.049737	LAT. 32.049738
LONG. 103.611451	LONG. 103.609854
X= 764,848 NAD83	X= 765,343 NAD83
Y= 382,625	Y= 382,628
LAT. 32.049862	LAT. 32.049864
LONG. 103.611920	LONG. 103.610323
ELEVATION +3224' NAVD 88	ELEVATION +3227' NAVD 88
SW PAD CORNER	SE PAD CORNER
X= 723,664 NAD 27	X= 724,159 NAD 27
Y= 382,187	Y= 382,191
LAT. 32.048693	LAT. 32.048694
LONG. 103.611450	LONG. 103.609853
X= 764,851 NAD83	X= 765,346 NAD83
Y= 382,245	Y= 382,248
LAT. 32.048818	LAT. 32.048819
LONG. 103.611919	LONG. 103.610322
ELEVATION +3221' NAVD 88	ELEVATION +3223' NAVD 88

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. 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:**

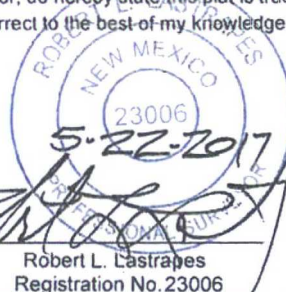
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, 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.nmonecall.org](http://www.nmonecall.org).

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.

I, Robert L. Lastrapes, Professional  
Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.



C. H. Fenstermaker & Associates, L.L.C.  
135 Regency Sq. Lafayette, LA 70508  
Ph. 337-237-2200 Fax. 337-232-3299  
[www.fenstermaker.com](http://www.fenstermaker.com)

PAD PLAT

PAGE 2 of 2

**CHEVRON U.S.A. INC.**

INTERIM RECLAMATION  
SD EA 18 19 FED P14 NO. 12H-15H WELLS  
SECTION 18, T26S-R33E  
LEA COUNTY, NEW MEXICO

DRAWN BY: VHV

REVISIONS

PROJ. MGR.: VHV

No.

DATE:

REVISED BY:

DATE: 05/18/2017

No.

DATE:

REVISED BY:

FILENAME: T:\2017\2175525\DWG\SD EA 18 19 Fed P14 12H-15H\_IR.dwg



## Section 1 - General

Would you like to address long-term produced water disposal? NO

## Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:



### Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

### Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

## Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

## Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Bond Info Data Report

10/16/2017

### Bond Information

Federal/Indian APD: FED

BLM Bond number: CA0329

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: