17-642

Form 3160-3
(March 2012)

HOBBS OCD
OCT 03 2017
RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM27506

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

8. Lease Name and Well No. (319717)
SD EA 18 19 FED COM P15 16H

2. Name of Operator
CHEVRON USA INCORPORATED (4323)

9. API Well No.
30-025-44088

3a. Address
6301 Deauville Blvd. Midland TX 79706

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

10. Field (98097)
SANDERS TANK; UPR WC

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

At surface NENE / 455 FNL / 980 FEL / LAT 32.049537 / LONG -103.605999

At proposed prod. zone SESE / 180 FSL / 1560 FEL / LAT 32.022252 / LONG -103.607841

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. (Also to nearest drig. unit line, if any)
455 feet

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, applied for, on this lease, ft.
25 feet

19. Proposed Depth
12213 feet / 22300 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3231 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	Name *(Printed/Typed)*	Date
(Electronic Submission)	Denise Pinkerton / Ph: (432)687-7375	05/26/2017

Title
Regulatory Specialist

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575)234-5959	09/26/2017

Title	Office
Supervisor Multiple Resources	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
10/05/17

AFMSS

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

Operator Certification Data Report

09/27/2017

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:** 05/25/2017

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:

AFMSS

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

Application Data Report
09/27/2017

APD ID: 10400014319 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400014319 **Tie to previous NOS?** **Submission Date:** 05/26/2017

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 **Mater 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 COM P15 **Well Number:** 16H **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? OIL

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

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 18 19 FED COM P15 **Number:** 16H

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_Com_P15_16H_Well_Plat_05-17-2017.pdf

SD_EA_18_19_FED_COM_P15_16H_C102_05-17-2017.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	980	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605999	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	3231	0	0
KOP Leg #1	455	FNL	980	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605999	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	3231	0	0
PPP Leg #1	455	FNL	980	FEL	26S	33E	18	Aliquot NENE	32.049879	-103.607871	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	-5769	9000	9000

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

	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	180	FSL	1560	FEL	26S	33E	19	Aliquot SESE	32.022665	-103.607842	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 27506	-19769	23000	23000
BHL Leg #1	180	FSL	1560	FEL	26S	33E	19	Aliquot SESE	32.022252	-103.607841	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 27506	-8982	22300	12213

APD ID: 10400014319 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
17746	RUSTLER	3231	0	0	ANHYDRITE	NONE	No
17762	CASTILE	-249	3480	3480	DOLOMITE	NONE	No
17719	LAMAR	-1669	4900	4900	LIMESTONE	NONE	No
15332	BELL CANYON	-1699	4930	4930	SANDSTONE	NONE	No
15316	CHERRY CANYON	-2739	5970	5970	SANDSTONE	NONE	No
17713	BRUSHY CANYON	-4389	7620	7620	SANDSTONE	NONE	No
17721	BONE SPRING LIME	-5859	9090	9090	LIMESTONE	NONE	No
19973	UPPER AVALON SHALE	-5889	9120	9120	SHALE	NONE	No
15338	BONE SPRING 1ST	-6809	10040	10040	LIMESTONE	NONE	No
17737	BONE SPRING 2ND	-7469	10700	10700	LIMESTONE	NONE	No
17738	BONE SPRING 3RD	-8509	11740	11740	LIMESTONE	NONE	No
17709	WOLFCAMP	-19769	23000	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 possibly utilize 5000 psi rig stack for drill out below surface csg due to availability of 10M annular. Batch drilling of surf, inter, & Prod will take place.Flex choke hose will be used for all wells on the pad.
Requesting Variance? YES

Variance request: FMC UH2 Multibowl wellhead. Run through rig floor on surf csg. Also a variance for flex choke hose to be used on all wells on the pad. (see attached spec)
Testing Procedure: BOP will be nippled up & tested after cementing surf csg. Subsequent tests will be performed as needed, not to exceed 30 days. 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 & remains unchanged from previous submittal.

Choke Diagram Attachment:

Choke_hose_Spec_X30_20170828131150.pdf

1684_001_20170828131223.pdf

BOP Diagram Attachment:

UH_2_10K_20170828131312.pdf

10M_BOP_Choke_Schematics_BLM_new_20170915071608.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			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			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	11500	22300	0	12213			10800	P-110	20	OTHER - TXP BTC	1.23	1.11	DRY	1.97	DRY	1.37

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_P15_16H_20170828133132.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

SD__EA_1819_FED_COM_P15_16H_20170828133344.pdf

9.625_43.5lb_L80IC_LTC_20170915072214.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_P15_16H_20170828133516.pdf

TenarisXP_BTC_5.500_20_P110_ICY_20170828133540.PDF

5____18__P110_IC_521_20170828133632.pdf

5____18__P110_ICY_90__RBW_521_20170828133646.pdf

5____18__P110_ICY_90__RBW_TXP_20170828133658.PDF

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	154	50	CLASS C	NONE

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Lead		4870	10650	1024	2.21	11.9	403	25	50:50 POZ CLASS C	NONE
INTERMEDIATE	Tail		10650	11150	184	1.22	15.6	40	25	CLASS H	NONE
PRODUCTION	Lead		10350	23000	1362	1.2	15.6	291	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
800	11150	OIL-BASED MUD	8.7	9.2							
0	800	SPUD MUD	8.3	8.7							
11150	12300	OIL-BASED MUD	9.5	13.5							
12300	23000	OIL-BASED MUD	9.5	13.5							

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Section 6 - Test, Logging, Coring

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

DRILL STEM TESTS ARE 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:** 3513

Anticipated Bottom Hole Temperature(F): 160

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

SD_EA_18_19_P15_H2S_PLAN_05-25-2017.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

sd_ea_18_19_p15_16h_Direc_Plot_05-25-2017.pdf

SD_EA_18_19_P15_16H_DIREC_SURV_05-25-2017.PDF

Other proposed operations facets description:

REMARK: ON BULLET #7 FOR BHP & SHP, THE SYSTEM IS AUTO-CALCULATING THE SHP TO 3513, BUT I GET 5886.

Other proposed operations facets attachment:

Gas_Capture_Plan_Form_Pad_15_20170828131957.pdf

Other Variance attachment:

APD ID: 10400014319 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

SD_EA_18_19_Fed_Com_P15_16H_Road_Plat_05-25-2017.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_Com_P15_16H_Well_Plat_05-25-2017.pdf

New road type: LOCAL

Length: 9557.13 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: SEE SURFACE USE PLAN

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

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

Access other construction information:

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: CROSSING,CULVERT,LOW WATER

Drainage Control comments: SYSTEM SHALL BE CONSTRUCTED ON ENTIRE LENGTH OF ROAD BY DITCHES, SIDE HILL OUT SLOPING & IN SLOPING, LEAD OFF DITCHES, CULVERT INSTALLATION, OR LOW WATER CROSSINGS.

Road Drainage Control Structures (DCS) description:

Road Drainage Control Structures (DCS) attachment:

SD_EA_18_19_P15_16H_SUP_05-26-2017.PDF

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Existing_wells_05-25-2017.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:

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimEDS_Line_20170906072453.pdf
SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimFlowlines_20170906072514.pdf
SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimGas_Lift_Lines_20170906072530.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE CASING
Describe type: GW WELL OR RECYCLED WATER

Water source type: OTHER

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: OTHER

Describe transportation land ownership:

Water source volume (barrels): 659461.25

Source volume (acre-feet): 85

Source volume (gal): 27697372

Water source and transportation map:

SD_EA_18_19_P15_16H_AERIAL_DETAIL_05-25-2017.PDF

Water source comments: FRESH WATER WILL BE OBTAINED FROM A PRIVATE WATER SOURCE, STORED IN EXISTING PONDS IN PRIMARY PONDS IN SEC 19,T26S,R33E
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.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: CALICHE WILL BE USED TO CONSTRUCT WELL PAD & ROADS. MATERIAL WILL BE PURCHASED FROM PRIVATE LAND OWNERS (OLIVER KIEHNE) CALICHE PIT LOCATED IN SEC 27, T26, R33E, LEA COUNTY, NM & ALTERNATIVE LOCATION N2 SEC 21, T26, R33E, LEA COUNTY, NM.
Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: GARBAGE AND TRASH

Amount of waste: 200 pounds

Waste disposal frequency : Daily

Safe containment description: WILL BE COLLECTED IN TRASH CONTAINER AND 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

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

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

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

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:

Rig_Layout__X30_SD_Sec_18_19_P15_05-25-2017.pdf
SD_EA_18_19_P15_16H_WELL_PLAT_05-25-2017.PDF
Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD_EA_18_19_P15_16H_RECLAMATION_05-25-2017.PDF
SD_EA_18_19_P15_16H_SUP_05-25-2017.PDF
Drainage/Erosion control construction: SEE SURFACE USE PLAN

Drainage/Erosion control reclamation: SEE SURFACE USE PLAN

Wellpad long term disturbance (acres): 2.5 **Wellpad short term disturbance (acres):** 4.5

Access road long term disturbance (acres): 0 **Access road short term disturbance (acres):** 0

Pipeline long term disturbance (acres): 0.0000027149385 **Pipeline short term disturbance (acres):** 0.000016545131

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

Total long term disturbance: 2.5000026 **Total short term disturbance:** 4.5000167

Reconstruction method: SEE SURFACE USE PLAN

Topsoil redistribution: SEE SURFACE USE PLAN

Soil treatment: SEE SURFACE USE PLAN

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

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

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?

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation?

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:

SD_EA_18_19_P15_16H_SUP_05-25-2017.PDF

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description:

Weed treatment plan attachment:

SD_EA_18_19_P15_16H_SUP_05-25-2017.PDF

Monitoring plan description: SEE SURFACE USE P LAN

Monitoring plan attachment:

Success standards: N/A

Pit closure description:

Pit closure attachment:

SD_EA_18_19_P15_16H_SUP_05-25-2017.PDF

Section 11 - Surface Ownership

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 COM P15 **Well Number:** 16H

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:**

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:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15 **Well Number:** 16H

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,Other

ROW Applications

SUPO Additional Information:

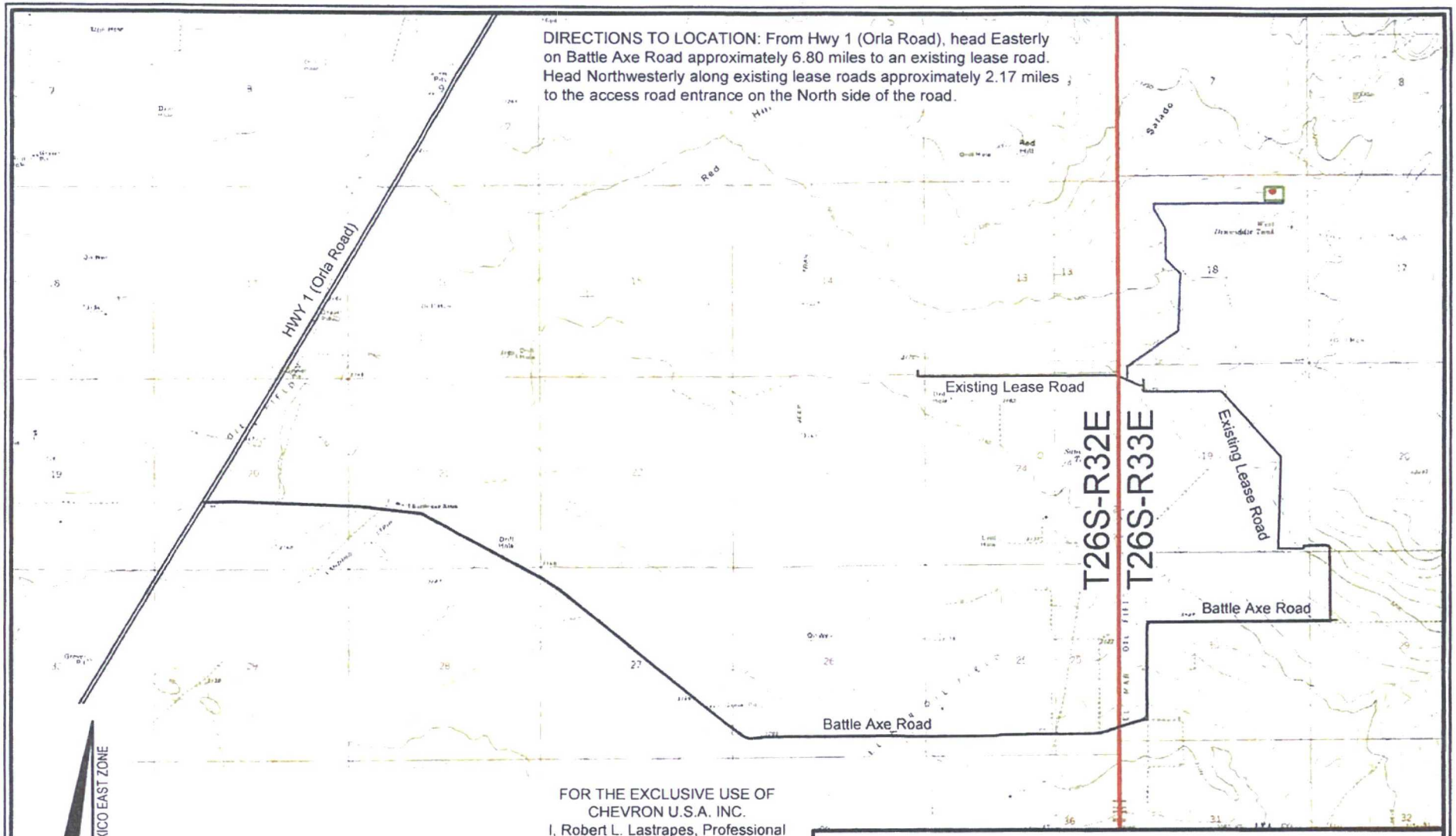
Use a previously conducted onsite? YES

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

Other SUPO Attachment

SD_EA_18_19_Fed_P15_16H_Pad_Cut___Fill_05-25-2017.pdf

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 access road entrance on the North side of the road.



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 NEW MEXICO 23006 4-28-2017

Robert L. Lastrapes
Registration No. 23006

FENSTERMAKER

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

ROAD PLAT

CHEVRON U.S.A. INC.

SD EA 18 19 FED COM P15 NO. 16H WELL
LOCATED 455' FNL & 980' FEL
SECTION 18, T26S-R33E
LEA COUNTY, NEW MEXICO

DRAWN BY: BOR	REVISIONS		
PROJ. MGR.: VHV	No. 2	DATE: 04/24/2017	REVISED BY: BOR
DATE: 03/22/2017	No. 3	DATE: 04/28/2017	REVISED BY: BOR
FILENAME: T:\2017\2175527\DWG\SD EA 18 19 Fed Com P15 16H_Road Plat.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:

Decribe 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:

Decribe 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:

AFMSS

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

Bond Info Data Report

09/27/2017

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: