

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

HOBBS OCD

OCT 03 2017

RECEIVED

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

5. Lease Serial No. NMNM132070	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No. 31977 SD EA 18 19 FED COM P15 18H	
9. API Well No. 30-025-4409U	
10. Field and Pool, or Lease, or Property SANDERS TANK; UPR WC	11. Sec., T. R. M. or Blk. and Survey or Area SEC 18 / T26S / R33E / NMP
12. County or Parish LEA	13. State NM
14. Distance in miles and direction from nearest town or post office* 33 miles	17. Spacing Unit dedicated to this well 320
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 120
18. Distance from proposed location* to nearest well, drilling, completed, 25 feet 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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 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 05/26/2017
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Title
Regulatory Specialist

Approved by (Signature)	Name (Printed/Typed)	Date SEP 25 2017
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Title
/s/Cody Layton

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)

K2
10/05/17



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: 05/26/2017

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:

APD ID: 10400014341**Submission Date:** 05/26/2017Highlighted data
reflects the most
recent changes**Operator Name:** CHEVRON USA INCORPORATED**Well Name:** SD EA 18 19 FED COM P15**Well Number:** 18H[Show Final Text](#)**Well Type:** OIL WELL**Well Work Type:** Drill

Section 1 - General

APD ID: 10400014341**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:** NMNM132070**Lease Acres:** 120**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 COM P15**Well Number:** 18H**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: 18H

Describe other minerals:

Is the proposed well in a Helium production area? N Use Existing Well Pad? YES New surface disturbance? N

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: SD EA Number: 16 17 18 19 20

Well Class: HORIZONTAL

18 19 FED COM P15

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_18H_Well_Plat_05-17-2017.pdf

SD_EA_18_19_FED_COM_P15_18H_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	930	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605858	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	3231	0	0
KOP Leg #1	455	FNL	930	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605838	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	3231	0	0
PPP Leg #1	455	FNL	930	FEL	26S	33E	18	Aliquot NENE	32.049881	-103.605225	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	-8909	12140	12140

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 18H

	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	740	FEL	26S	33E	19	Aliquot SESE 7	32.02266 7	- 103.6051 96	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	- 898 2	223 00	122 13
BHL Leg #1	180	FSL	740	FEL	26S	33E	19	Aliquot SESE 5	32.02225 5	- 103.6051 96	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 27506	- 898 2	223 00	122 13

APD ID: 10400014341

Submission Date: 05/26/2017

Highlighted data
reflects the most
recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 18H

[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_Com_P15_18H_Road_Plat_05-26-2017.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_18H_Well_Plat_05-26-2017.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: ROAD 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:

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: 18H

Access surfacing type: NONE

Access topsoil source: ONSITE

Access surfacing type description:

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

Drainage Control comments: DITCHING ON BOTH SIDES OF ROAD

Road Drainage Control Structures (DCS) description:

Road Drainage Control Structures (DCS) attachment:

SD_EA_18_19_Fed_Com_P15_18H_Well_Plat_05-26-2017.pdf

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

SD_EA_18_19_P15_18H_EXISTING_WELLS_05-26-2017.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_20170906073315.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimFlowlines_20170906073331.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimGas_Lift_Lines_20170906073348.pdf

SD_EA_18_19_Fed_Com_P15_18H_Work_Area_Detail_20170915081947.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 18H

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: GW WELL OR RECYCLED WATER

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_Fed_Com_P15_18H_Work_Area_Detail_05-26-2017.pdf

Water source comments:

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: 18H

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: CALICHE WILL BE USED TO CONSTRUCT WELL PAD & ROADS - PURCHASED FROM PRIVATE LAND OWNER (OLIVER KIEHNE) IN SEC 27, T26, R33E, LEA COUNTY, NM, AND ALTERNATIVE SOURCE, SAME LAND OWNER, IN 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 & 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: 18H

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_05-26-2017.pdf

SD_EA_18_19_Fed_Com_P15_18H_Well_Plat_05-26-2017.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD_EA_18_19_PAT_18H_RECLAMATION_05-26-2017.pdf

SD_EA_18_19_P15_18H_SUPO_05-26-2017.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

Access road long term disturbance (acres): 0

Access road short term disturbance (acres): 0

Pipeline long term disturbance (acres): 0

Pipeline short term disturbance (acres): 0

Other long term disturbance (acres): 0.34389347

Other short term disturbance (acres): 0.848944

Total long term disturbance: 2.8438935

Total short term disturbance: 4.848944

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: 18H

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
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Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep:

Seed BMP:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 18H

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: N/A

Weed treatment plan attachment:

Monitoring plan description: N/A

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 COM P15

Well Number: 18H

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: OTHER

Other surface owner description: A E & J ROYALTIES, LLC

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: 18H

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: HARD STAKED BY BLM NRS: PAUL MURPHY 04/13/2017

Other SUPO Attachment

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:



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: