

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM132070
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CHEVRON USA INCORPORATED 4323		7. If Unit or CA Agreement, Name and No.
3a. Address 6301 Deauville Blvd. Midland TX 79706		8. Lease Name and Well No. SD EA 18 19 FED COM P15 20H (319717)
3b. Phone No. (include area code) (432)687-7866		9. API Well No. 30-025-44091
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NENE / 455 FNL / 880 FEL / LAT 32.049412 / LONG -103.605207 At proposed prod. zone SESE / 180 FSL / 330 FEL / LAT 32.036765 / LONG -103.603889		10. Field and Pool, or Exploratory WE-023 G-06 3263319P; BS (97955)
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
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	17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, 25 feet applied for, on this lease, ft.	19. Proposed Depth 9300 feet / 14300 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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- 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 06/06/2017
Title Regulatory Specialist		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 09/26/2017
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
10/09/17



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: 06/06/2017

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

09/27/2017

APD ID: 10400014886

Submission Date: 06/06/2017

Highlighted data
reflects the most
recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

APD ID: 10400014886

Tie to previous NOS?

Submission Date: 06/06/2017

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: 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

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: 20H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: JENNINGS

Pool Name: UPPER BONE
SPRING SHALE

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: 20H

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
18 19 FED COM P15

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: 160 Acres

Well plat: SD_EA_18_19_P15_20H_C102_06-06-2017.pdf

SD_EA_18_19_Fed_Com_P15_20H_Well_Plat_06-06-2017.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	880	FEL	26S	33E	18	Aliquot NENE	32.04941 2	- 103.6052 07	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	323 1	0	0
KOP Leg #1	455	FNL	880	FEL	26S	33E	18	Aliquot NENE	32.04953 7	- 103.6056 76	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	323 1	0	0
PPP Leg #1	330	FNL	330	FEL	26S	33E	18	Aliquot NENE	32.04988 2	- 103.6039 01	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	323 1	0	0

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

	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	330	FEL	26S	33E	18	Aliquot SESE	32.03717 8	- 103.6038 89	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	- 606 9	143 00	930 0
BHL Leg #1	180	FSL	330	FEL	26S	33E	18	Aliquot SESE	32.03676 5	- 103.6038 89	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132070	- 606 9	143 00	930 0



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

Drilling Plan Data Report

09/27/2017

30-025-44091

APD ID: 10400014886

Submission Date: 06/06/2017

Highlighted data
reflects the most
recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

[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
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	14300	SHALE	OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 9300

Equipment: MINIMUM OF 5000 PSI RIG STACK(SEE PROPOSED SCHEMATIC FOR DRILL OUT BELOW SURFACE CASING)

Requesting Variance? YES

Variance request: FMC UH2 MULTIBOWL WELLHEAD, WHICH WILL BE RUN THRU THE RIG FLOOR ON SURF CSG. BOP WILL BE NU AND TESTED AFTER CMTNG SURF CSG. SUBSEQUENT TESTS WILL BE PERFORMED AS NEEDED NOT TO EXCEED 30 DAYS. SEE ATTACHED WELLHEAD SCHEMATIC

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 RECEIVED OTHERWISE.

Choke Diagram Attachment:

5K_BOP__and_Choke_Schematic_06-06-2017.pdf

Choke_hose_Spec_X30_20170906084202.pdf

UH_2_10K_20170906084227.pdf

1684_001_20170906084333.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

5K_BOP__and_Choke_Schematic_06-06-2017.pdf

Choke_hose_Spec_X30_20170906084202.pdf

UH_2_10K_20170906084227.pdf

1684_001_20170906084333.pdf

BOP Diagram Attachment:

5K_BOP__and_Choke_Schematic_06-06-2017.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	4790	0	-4790			4790	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	14300	0	-14300			14300	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_20H_9_PT_PLAN_20170906084512.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

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_20H_9_PT_PLAN_20170906084602.pdf

9.625_43.5lb_L80IC_LTC_20170906085146.pdf

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

P110_CSG_06-06-2017.pdf

SPECIAL_CASING_06-06-2017.pdf

TENARIS_SPEC_CSG_06-06-2017.pdf

SD__EA_1819_FED_COM_P15_20H_9_PT_PLAN_20170906084642.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	153	50	CLASS C	NONE
PRODUCTION	Lead		3850	13300	1720	1.59	12.5	324	10	CONVENTIONAL	NONE

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		1330 0	1430 0	144	1.59	15	40	0	SOLUCEM H	NONE
INTERMEDIATE	Lead		0	4909 0	1159	1.33	14.8	21	25	CLASS C	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	4900	OIL-BASED MUD	8.7	9.2							
4900	9000	OIL-BASED MUD	8.7	9.3							
9000	1430 0	OIL-BASED MUD	8.7	9.3							
0	800	SPUD MUD	8.3	8.7							

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

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.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4500

Anticipated Surface Pressure: 2454

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_P15_H2S_PLAN_06-06-2017.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

SD_EA_18_19_P15_20H_PLOT_06-06-2017.pdf

SD_EA_18_19_P15_20H_WELLPATH_06-06-2017.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Gas_Capture_Plan_Form_Pad_15_20170906090636.pdf

Other Variance 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:



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:



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Submission Date: 06/06/2017

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Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

[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_20H_Work_Area_Detail_06-06-2017.pdf

SD_EA_18_19_Fed_Com_P15_20H_Road_Plat_CERT_20170915124419.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_20H_Road_Plat_06-06-2017.pdf

SD_EA_18_19_Fed_Com_P15_20H_Well_Plat_06-06-2017.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:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

Access road engineering design? NO

Access road engineering design attachment:

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: 50

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:

Location_of_Existing_Wells_20H_06-06-2017.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 COM P15

Well Number: 20H

SD_EA_18_19_Fed_Com_P15_20H_Work_Area_Detail_06-06-2017.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimEDS_Line_20170906090232.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimFlowlines_20170906090248.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimGas_Lift_Lines_20170906090307.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: SURFACE CSG, INTERMEDIATE/PROD CSG, STIMULATION

Source longitude:

Source latitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

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_Com_P15_20H_Work_Area_Detail_06-06-2017.pdf

Water source comments: EXISTING PONDS IN SEC 19,T26S,R33E - FW SEC 23 T26S,R32 &SEC 13 T26S R32 - RECYCLED WATER. FW FROM A PRIVATE WATER SOURCE

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 COM P15

Well Number: 20H

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 PRIVATE LAND OWNER, OLIVER KIEHNE, SEC 27, T26S, R33E, LEA COUNTY, NM, AND 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 COM P15

Well Number: 20H

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_Com_P15_20H_Well_Plat_06-06-2017.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD_EA_18_19_P15_20H_RECLAMATION_06-06-2017.pdf

SD_EA_18_19_P15_20H_SUPO_06-06-2017.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

Other short term disturbance (acres): 0

Total long term disturbance: 2.5

Total short term disturbance: 4

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

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

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:

Phone:

Email:

Operator Name: CHEVRON USA INCORPORATED

Well Name: SD EA 18 19 FED COM P15

Well Number: 20H

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: 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: 20H

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: 20H

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

SD_EA_18_19_Fed_Com_P15_Proposed_Cut___Fill_06-06-2017.pdf