Form 3160-3
(March 2012)

HOBBS OCD
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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.
NMNM132070

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 19H

2. Name of Operator
CHEVRON USA INCORPORATED (4323)

9. API Well No.
30-025-44167

3a. Address
6301 Deauville Blvd. Midland TX 79706

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

10. Field and Pool, or Exploratory 96097
~~WC025G09S263327G~~ / UPPER WOLFC

SANDERS TANK

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

At surface NENE / 455 FNL / 905 FEL / LAT 32.049537 / LONG -103.605757

At proposed prod. zone SESE / 180 FNL / 330 FEL / LAT 32.022256 / LONG -103.603873

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)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
455 feet	120	320

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on file
25 feet	12523 feet / 23000 feet	FED: CA0329

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3231 feet	01/01/2018	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	10/31/2017

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 10/07/17

Double lined

AFMSS

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

Operator Certification Data Report

11/01/2017

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:** 05/26/2017

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:

OCD Hobbs 17-641

AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 11/01/2017 06:46 AM

APD ID: 10400014625
APD Received Date: 05/26/2017 12:36 PM (4328)
Operator: CHEVRON USA INCORPORATED

Well Status: AAPD
Well Name: SD EA 18 19 FED COM P15 (319717)
Well Number: 19H

APD Package Report Contents

Pool 18. 98097

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- 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: 3 file(s)
  -- Casing Taperd String Specs: 4 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)
  -- 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)
  -- Other SUPO Attachment: 1 file(s)
- PWD Report
- PWD Attachments
  -- None

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

Application Data Report
11/01/2017

APD ID: 10400014625 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

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

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

Highlighted data reflects the most recent changes

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Section 1 - General

APD ID: 10400014625 **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 **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:** 19H **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:** 19H

Describe other minerals:

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** SD EA 18 19 FED COM P15 **Number:** 16 17 18 19 20

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_P15_19H_C102_05-26-2017.PDF

SD_EA_18_19_P15_19H_WELL_PLAT_05-26-2017.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	905	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605757	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	3231	0	0
KOP Leg #1	455	FNL	905	FEL	26S	33E	18	Aliquot NENE	32.049537	-103.605757	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	3231	0	0
PPP Leg #1	455	FNL	905	FEL	26S	33E	18	Aliquot NENE	32.049882	-103.603901	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132070	3231	0	0

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

Drilling Plan Data Report
11/01/2017

APD ID: 10400014625 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

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

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

Highlighted data reflects the most recent changes

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Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	RUSTLER	3231	0	0	ANHYDRITE	NONE	No
2	CASTILE	-249	3480	3480	DOLOMITE	NONE	No
3	LAMAR	-1669	4900	4900	LIMESTONE	NONE	No
4	BELL CANYON	-1699	4930	4930	SANDSTONE	NONE	No
5	CHERRY CANYON	-2739	5970	5970	SANDSTONE	NONE	No
6	BRUSHY CANYON	-4389	7620	7620	SANDSTONE	NONE	No
7	BONE SPRING LIME	-5859	9090	9090	LIMESTONE	NONE	No
8	UPPER AVALON SHALE	-5889	9120	9120		NONE	No
9	BONE SPRING 1ST	-6809	10040	10040	LIMESTONE	NONE	No
10	BONE SPRING 2ND	-7469	10700	10700	LIMESTONE	NONE	No
11	BONE SPRING 3RD	-8509	11740	11740	LIMESTONE	NONE	No
12	WOLFCAMP	-8909	12140	12140		NONE	No
13	WOLFCAMP	-8962	12193	12193	SHALE	NONE	No
14	WOLFCAMP	-9292	12523	12523	SHALE	OIL	Yes

Section 2 - Blowout Prevention

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.

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
PROFESSIONAL SURVEYOR
5-4-2017

Robert L. Lastrapes
Registration No. 23006

CENTERLINE PROPOSED 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	3554.08'
19	N 00° 27' 01" W	73.90'

PROPOSED PAD		
COURSE	BEARING	DISTANCE
20	S 89° 34' 11" W	520.00'
21	N 00° 25' 49" W	380.00'
22	N 89° 34' 11" E	520.00'
23	S 00° 25' 49" E	380.00'

WELL PLAT

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SD EA 18 19 FED COM P15 NO. 19H WELL
SECTIONS 18 & 19, T26S-R33E
LEA COUNTY, NEW MEXICO

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

DRAWN BY: BOR	REVISIONS		
PROJ. MGR.: VHV	No. 2	DATE: 04/25/2017	REVISED BY: TBD
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 19H_Well Plat.dwg			

30-025-44167

Operator Name: CHEVRON USA INCORPORATED

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

Pressure Rating (PSI): 10M **Rating Depth:** 12523

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

Variance request: FMC UH2 MULTIBOWL WELLHEAD, WHICH WILL BE RUN THROUGH THE RIG FLOOR ON SURFACE CASING. BOP WILL BE NIPPLED UP TESTED AFTER CEMENTING SURF CSG. SUBSEQUENT TESTS WILL BE PERFORMED AS NEEDED, NOT TO EXCEED 30 DAYS. ALSO, A VARIANCE FOR FLEX CHOKE HOSE WHICH WILL BE USED FOR ALL WELLS ON THE PAD. (SEE ATTACHMENT)
Testing Procedure: Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 5000/250 psig. The surface casing will be tested to 1500 psi for 30 minutes. Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 5000/250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

Choke Diagram Attachment:

Choke_hose_Spec_X30_20170906080336.pdf

10M_BOP_Choke_Schematics_BLM_new_20170914122615.pdf

BOP Diagram Attachment:

1684_001_20170906080412.pdf

UH_2_10K_20170906080429.pdf

10M_BOP_Choke_Schematics_BLM_new_20170914122637.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	13.625	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	LINER	8.5	7.625	NEW	API	N	0	12300	12300	-12300			12300	HCP-110	29.7	OTHER - H513	5.36	1.69	DRY	2.5	DRY	2.09
4	PRODUCTION	6.75	5.0	NEW	API	Y	0	23000	0	-23000			23000	P-110	18	OTHER - TSH521	1.23	1.11	DRY	1.97	DRY	1.37

Operator Name: CHEVRON USA INCORPORATED

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

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_19H_9_PT_PLAN_20170906080805.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_P15_19H_9_PT_PLAN_20170906080857.pdf

9.625_43.5lb_L80IC_LTC_20170906081157.pdf

Casing ID: 3 **String Type:** LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

SD__EA_1819_FED_COM_P15_19H_9_PT_PLAN_20170906080942.pdf

Operator Name: CHEVRON USA INCORPORATED

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

Casing Attachments

Casing ID: 4 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

5____18__P110_ICY_90__RBW_521_20170906081554.pdf

5____18__P110_IC_521_20170906081532.pdf

5____18__P110_ICY_90__RBW_TXP_20170906081611.PDF

TenarisXP_BTC_5.500_20_P110_ICY_20170906081449.PDF

Casing Design Assumptions and Worksheet(s):

SD__EA_1819_FED_COM_P15_19H_9_PT_PLAN_20170906081029.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	6.57	50	CLASS C	NONE
INTERMEDIATE	Lead		4870	10650	1024	2.21	11.9	12.8	25	50:50 POZ CLASS C	NONE
INTERMEDIATE	Tail		10650	11150	184	1.22	15.6	5.37	25	CLASS H	NONE
LINER	Lead		10850	12300	123	1.22	15.6	5.34	17	CLASS H	NONE
PRODUCTION	Lead		10350	23000	1300	1.2	15.6	5.05	10	ACID SOLUBLE	NONE

Operator Name: CHEVRON USA INCORPORATED

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

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	12	15							

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

Operator Name: CHEVRON USA INCORPORATED

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

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 9768 **Anticipated Surface Pressure:** 7012.94

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_05-26-2017.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

SD_EA_18_19_P15_19H_WELLPATH_05-26-2017.pdf
SD_EA_18_19_P15_19H_PLOT_05-26-2017.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Gas_Capture_Plan_Form_Pad_15_20170906082909.pdf

Other Variance attachment:

Continental

ContiTech

Hose Data Sheet

CRI Order No.	538332
Customer	ContiTech Oil & Marine Corp.
Customer Order No	4500412631 CBC544771, CBC544769, CBC544767, CBC544763, CBC544768, CBC544745, CBC544744, CBC544746
Item No.	1
Hose Type	Flexible Hose
Standard	**API SPEC 16 C**
Inside dia in inches	3
Length	45 ft
Type of coupling one end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE SOURC/W BX155 ST/ST INLAID R.GR.
Type of coupling other end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE SOUR C/W BX155 ST/ST INLAID R.GR.
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St.steel outer wrap
Internal stripwound tube	No
Lining	OIL + GAS RESISTANT SOUR
Safety clamp	Yes
Lifting collar	Yes
Element C	Yes
Safety chain	Yes
Safety wire rope	No
Max.design temperature [°C]	100
Min.design temperature [°C]	-20
Min. Bend Radius operating [m]	0,90
Min. Bend Radius storage [m]	0,90
Electrical continuity	The Hose is electrically continuous
Type of packing	WOODEN CRATE ISPM-15

APD ID: 10400014625 **Submission Date:** 05/26/2017

Operator Name: CHEVRON USA INCORPORATED

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

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_P15_19H_ROAD_PLAT_05-26-2017.pdf

SD_EA_18_19_P15_19H_AREA_DETAIL_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_P15_19H_WELL_PLAT_05-26-2017.pdf

New road type: LOCAL

Length: 9557.13 Feet **Width (ft.):** 20

Max slope (%): 2 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: THE 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:

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,LOW WATER

Drainage Control comments: DITCHING ON BOTH SIDES OF ROAD

Road Drainage Control Structures (DCS) description: DITCHING 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_19H_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_P15_19H_AREA_DETAIL_05-26-2017.pdf
SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimEDS_Line_20170906083012.pdf

Operator Name: CHEVRON USA INCORPORATED

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

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimFlowlines_20170906083032.pdf

SD_EA_18_19_Fed_Com_P15_16H_20H_PrelimGas_Lift_Lines_20170906083051.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: GW WELL OR RECYCLED WATER

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: OTHER

Describe land ownership:

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_19H_AREA_DETAIL_05-26-2017.pdf

Water source comments: EXISTING PONDS IN SEC 19 FOR FW, & SEC 23 & SEC 13 FOR RECYCLED WATER.

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:

Operator Name: CHEVRON USA INCORPORATED

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

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) SEC 27, T26S, R33E, LEA COUNTY, NM, AND ALTERNATIVE AT 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 **Disposal location ownership:** STATE FACILITY
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.)**

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_P15_19H_WELL_PLAT_05-26-2017.pdf
Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD_EA_18_19_P15_19H_RECLAMATION_05-26-2017.pdf
SD_EA_18_19_P15_19H_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): 4.5 **Wellpad short term disturbance (acres):** 4.5

Access road long term disturbance (acres): 4.5 **Access road short term disturbance (acres):** 4.5

Pipeline long term disturbance (acres): 2040.517 **Pipeline short term disturbance (acres):** 2040.517

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

Total long term disturbance: 2049.517 **Total short term disturbance:** 2049.517

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

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:

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 COM P15 **Well Number:** 19H

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

SD_EA_18_19_Fed_Com_P15_Proposed_Pad_Cut___Fill_05-26-2017.pdf

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

PWD Data Report
11/01/2017

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

11/01/2017

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:

HOBBS OCD

NOV 06 2017

RECEIVED

Operator Name: CHEVRON USA INCORPORATED

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

	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	330	FEL	26S	33E	19	Aliquot SESE	32.022669	-103.603873	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 27506	-9292	23000	12523
BHL Leg #1	180	FNL	330	FEL	26S	33E	19	Aliquot SESE	32.022256	-103.603873	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 27506	-9292	23000	12523

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