**District I**
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Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
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Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
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Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 279885

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| 1. Operator Name and Address | | 2. OGRID Number |
|---|---|---|
| CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | | 4323<br>3. API Number<br>30-015-46926 |
| 4. Property Code<br>327345 | 5. Property Name<br>CB BERU 23 14 FEE 06 | 6. Well No.<br>301H |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 23 | 23S | 28E | P | 470 | S | 900 | E | Eddy |

**8. Proposed Bottom Hole Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|
| G | 14 | 23S | 28E | G | 2615 | S | 1785 | E | Eddy |

**9. Pool Information**

| | |
|---|---|
| CULEBRA BLUFF;BONE SPRING, SOUTH | 15011 |

**Additional Well Information**

| 11. Work Type | 12. Well Type | 13. Cable/Rotary | 14. Lease Type | 15. Ground Level Elevation |
|---|---|---|---|---|
| New Well | OIL | | Private | 2997 |
| **16. Multiple** | **17. Proposed Depth** | **18. Formation** | **19. Contractor** | **20. Spud Date** |
| N | 17116 | Bone Spring | | 5/1/2020 |
| Depth to Ground water | | Distance from nearest fresh water well | | Distance to nearest surface water |

☒ **We will be using a closed-loop system in lieu of lined pits**

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|---|---|---|---|---|---|---|
| Surf | 17.5 | 13.375 | 54.5 | 450 | 350 | 0 |
| Int1 | 12.25 | 9.625 | 43.5 | 2600 | 635 | 0 |
| Prod | 8.75 | 7 | 29 | 8650 | 800 | 2300 |
| Liner1 | 6.25 | 4.5 | 11.6 | 17116 | 820 | 8450 |

**Casing/Cement Program: Additional Comments**

**22. Proposed Blowout Prevention Program**

| Type | Working Pressure | Test Pressure | Manufacturer |
|---|---|---|---|
| Annular | 5000 | 3500 | TBD |
| Blind | 10000 | 6650 | TBD |
| Pipe | 10000 | 6650 | TBD |

| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>**I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.**<br><br>Signature: | | **OIL CONSERVATION DIVISION** | |
|---|---|---|---|
| Printed Name: | Electronically filed by Laura Becerra | Approved By: | Raymond Podany |
| Title: | Regulatory Specialist | Title: | Geologist |
| Email Address: | LBecerra@chevron.com | Approved Date: 3/26/2020 | Expiration Date: 3/26/2022 |
| Date: 3/25/2020 | Phone: 432-687-7665 | Conditions of Approval Attached | |

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| | 15011 | CULEBRA BLUFF;BONE SPRING SOUTH |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| | CB BERU 23 14 FEE 06 | 301H |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 4323 | CHEVRON U.S.A. INC. | 2997' |

## [10] Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 23 | 23 SOUTH | 28 EAST, N.M.P.M. | | 470' | SOUTH | 900' | EAST | EDDY |

## [11] Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| G | 14 | 23 SOUTH | 28 EAST, N.M.P.M. | | 2615' | SOUTH | 1785' | EAST | EDDY |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 640 | | | |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

| PROPOSED BOTTOM HOLE LOCATION | | |
|---|---|---|
| X= | 586,036' | NAD 27 |
| Y= | 474,904' | |
| LAT. | 32.305321° N | |
| LONG. | 104.054866° W | |
| X= | 627,219' | NAD83/86 |
| Y= | 474,963' | |
| LAT. | 32.305442° N | |
| LONG. | 104.055360° W | |

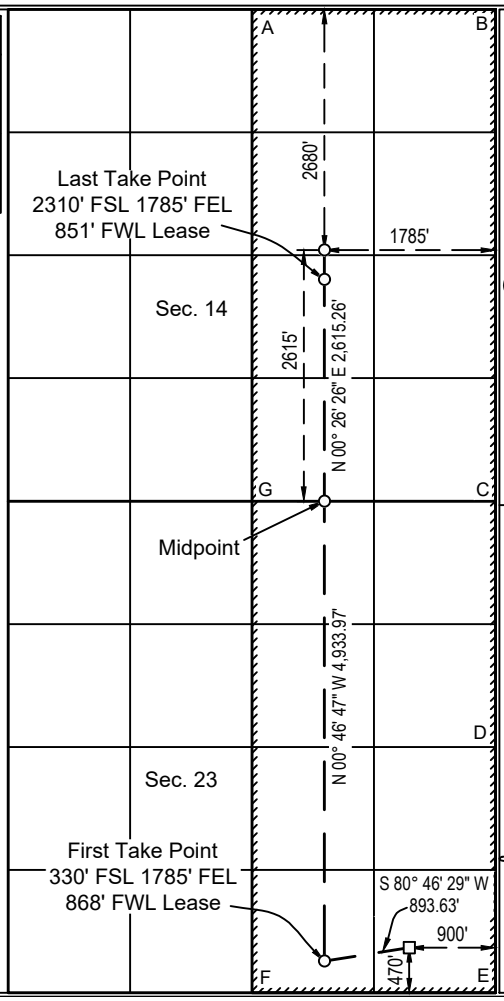
| LAST TAKE POINT | | |
|---|---|---|
| X= | 586,034' | NAD 27 |
| Y= | 474,599' | |
| LAT. | 32.304482° N | |
| LONG. | 104.054876° W | |
| X= | 627,217' | NAD83/86 |
| Y= | 474,658' | |
| LAT. | 32.304603° N | |
| LONG. | 104.055371° W | |

| MID POINT | | |
|---|---|---|
| X= | 586,016' | NAD 27 |
| Y= | 472,289' | |
| LAT. | 32.298132° N | |
| LONG. | 104.054953° W | |
| X= | 627,199' | NAD83/86 |
| Y= | 472,348' | |
| LAT. | 32.298253° N | |
| LONG. | 104.055447° W | |

| FIRST TAKE POINT | | |
|---|---|---|
| X= | 586,083' | NAD 27 |
| Y= | 467,355' | |
| LAT. | 32.284569° N | |
| LONG. | 104.054777° W | |
| X= | 627,266' | NAD83/86 |
| Y= | 467,415' | |
| LAT. | 32.284691° N | |
| LONG. | 104.055271° W | |

CORNER COORDINATES TABLE (NAD 27)
A. X=585192.08 Y=477584.36
B. X=587840.18 Y=477582.87
C. X=587802.94 Y=472300.33
D. X=587817.78 Y=469677.21
E. X=587875.81 Y=467031.96
F. X=585218.06 Y=467022.29
G. X=585174.92 Y=472283.52

| CB BERU 23 14 FEE 06 NO. 301H WELL | | |
|---|---|---|
| X= | 586,965' | NAD 27 |
| Y= | 467,499' | |
| LAT. | 32.284957° N | |
| LONG. | 104.051922° W | |
| X= | 628,148' | NAD83/86 |
| Y= | 467,558' | |
| LAT. | 32.285078° N | |
| LONG. | 104.052415° W | |




## [17] OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature 3/3/2020 Date

Laura Becerra
Printed Name

LBecerra@Chevron.com
E-mail Address

## [18] SURVEYOR CERTIFICATION

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

01/30/2019
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

Certificate Number 10/16/2019

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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

## GAS CAPTURE PLAN

Date: 3/26/2020

☒ Original

☐ Amended - Reason for Amendment:

Operator & OGRID No.: [4323] CHEVRON U S A INC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

**Well(s)/Production Facility – Name of facility**

The well(s) that will be located at the production facility are shown in the table below.

| Well Name | API | Well Location (ULSTR) | Footages | Expected MCF/D | Flared or Vented | Comments |
|---|---|---|---|---|---|---|
| CB BERU 23 14 FEE 06 #301H | 30-015-46926 | P-23-23S-28E | 0470S 0900E | 1200 | None | Produced gas will be processed in Culberson County, Texas at either Targa's Falcon Plant (Sec 9, Blk 58, T1S T&P RR Co Survey) or Peregrine Plant (Sec 47, Blk 61, T1S, T&P RR Co Survey). |

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to TARGA TRANSPORT LLC and will be connected to TARGA TRANSPORT LLC High Pressure gathering system located in Eddy County, New Mexico. It will require 1500' of pipeline to connect the facility to High Pressure gathering system. CHEVRON U S A INC provides (periodically) to TARGA TRANSPORT LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, CHEVRON U S A INC and TARGA TRANSPORT LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA TRANSPORT LLC Processing Plant located in Sec. 23, Twn. 23S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

**Flowback Strategy**

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on TARGA TRANSPORT LLC system at that time. Based on current information, it is CHEVRON U S A INC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

**Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

Form APD Comments

Permit 279885

## PERMIT COMMENTS

| Operator Name and Address: | API Number: |
|---|---|
| CHEVRON U S A INC [4323]<br>6301 Deauville Blvd<br>Midland, TX 79706 | 30-015-46926 |
| | Well: CB BERU 23 14 FEE 06 #301H |

| Created By | Comment | Comment Date |
|---|---|---|

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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

Form APD Conditions

Permit 279885

## PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number: |
|---|---|
| CHEVRON U S A INC [4323]<br>6301 Deauville Blvd<br>Midland, TX 79706 | 30-015-46926 |
| | Well:<br>CB BERU 23 14 FEE 06 #301H |

| OCD Reviewer | Condition |
|---|---|
| ksimmons | Will require a directional survey with the C-104 |
| ksimmons | Cement is required to circulate on both surface and intermediate1 strings of casing |
| rpodany | Fresh water or air for surface casing |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

| REPORT SETUP INFORMATION | | | |
|---|---|---|---|
| Projection System | **NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet** | Software System | **WellArchitect® 6.0** |
| North Reference | **Grid** | User | **Moyagusa** |
| Scale | **0.999918** | Report Generated | **20/Jan/2020** at **13:40** |
| Convergence at slot | **0.15° East** | Database | **WA_HOU_Midland_Defn** |

| WELLPATH LOCATION | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|---|---|---|---|---|---|---|
| | **North[ft]** | **East[ft]** | **Easting[US ft]** | **Northing[US ft]** | **Latitude** | **Longitude** |
| Slot Location | **0.00** | **0.00** | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W |
| Facility Reference Pt | | | **586965.00** | **467499.00** | 32°17'5.8483"N | 104°03'6.9227"W |
| Field Reference Pt | | | **152400.30** | **0.00** | 30°59'42.8458"N | 105°26'33.6593"W |

| WELLPATH DATUM | | | |
|---|---|---|---|
| Calculation method | **Minimum curvature** | Patterson 257 (KB) to Facility Vertical Datum | **3025.00ft** |
| Horizontal Reference Pt | **Slot** | Patterson 257 (KB) to Mean Sea Level | **3025.00ft** |
| Vertical Reference Pt | **Patterson 257 (KB)** | Patterson 257 (KB) to Ground Level at Slot (CB BERU 23 14 FEE 06 No. 301H) | **28.00ft** |
| MD Reference Pt | **Patterson 257 (KB)** | Section Origin | **N 0.00, E 0.00 ft** |
| Field Vertical Reference | **Mean Sea Level** | Section Azimuth | **359.22°** |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00† | 0.000 | 242.643 | 0.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 28.00 | 0.000 | 242.643 | 28.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | Tie On |
| 128.00† | 0.000 | 242.643 | 128.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 228.00† | 0.000 | 242.643 | 228.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 328.00† | 0.000 | 242.643 | 328.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 428.00† | 0.000 | 242.643 | 428.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 528.00† | 0.000 | 242.643 | 528.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 628.00† | 0.000 | 242.643 | 628.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 728.00† | 0.000 | 242.643 | 728.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 828.00† | 0.000 | 242.643 | 828.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 928.00† | 0.000 | 242.643 | 928.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | |
| 950.00 | 0.000 | 242.643 | 950.00 | 0.00 | 0.00 | 0.00 | 586965.00 | 467499.00 | 32°17'5.8483"N | 104°03'6.9227"W | 0.00 | 0.00 | 0.00 | Start Build |
| 1028.00† | 1.170 | 242.643 | 1027.99 | -0.36 | -0.37 | -0.71 | 586964.29 | 467498.63 | 32°17'5.8447"N | 104°03'6.9310"W | 1.50 | 1.50 | 0.00 | |
| 1128.00† | 2.670 | 242.643 | 1127.94 | -1.86 | -1.91 | -3.68 | 586961.32 | 467497.09 | 32°17'5.8295"N | 104°03'6.9657"W | 1.50 | 1.50 | 0.00 | |
| 1228.00† | 4.170 | 242.643 | 1227.75 | -4.52 | -4.65 | -8.98 | 586956.02 | 467494.35 | 32°17'5.8025"N | 104°03'7.0275"W | 1.50 | 1.50 | 0.00 | |
| 1328.00† | 5.670 | 242.643 | 1327.38 | -8.36 | -8.59 | -16.60 | 586948.40 | 467490.41 | 32°17'5.7637"N | 104°03'7.1163"W | 1.50 | 1.50 | 0.00 | |
| 1428.00† | 7.170 | 242.643 | 1426.75 | -13.36 | -13.73 | -26.53 | 586938.47 | 467485.28 | 32°17'5.7131"N | 104°03'7.2322"W | 1.50 | 1.50 | 0.00 | |
| 1528.00† | 8.670 | 242.643 | 1525.80 | -19.53 | -20.06 | -38.77 | 586926.24 | 467478.94 | 32°17'5.6508"N | 104°03'7.3749"W | 1.50 | 1.50 | 0.00 | |
| 1628.00† | 10.170 | 242.643 | 1624.45 | -26.85 | -27.58 | -53.30 | 586911.70 | 467471.42 | 32°17'5.5768"N | 104°03'7.5444"W | 1.50 | 1.50 | 0.00 | |
| 1728.00† | 11.670 | 242.643 | 1722.63 | -35.33 | -36.28 | -70.13 | 586894.88 | 467462.72 | 32°17'5.4911"N | 104°03'7.7407"W | 1.50 | 1.50 | 0.00 | |
| 1828.00† | 13.170 | 242.643 | 1820.29 | -44.95 | -46.17 | -89.23 | 586875.78 | 467452.84 | 32°17'5.3938"N | 104°03'7.9635"W | 1.50 | 1.50 | 0.00 | |
| 1928.00† | 14.670 | 242.643 | 1917.35 | -55.71 | -57.22 | -110.59 | 586854.41 | 467441.78 | 32°17'5.2849"N | 104°03'8.2127"W | 1.50 | 1.50 | 0.00 | |
| 1950.00 | 15.000 | 242.643 | 1938.62 | -58.23 | -59.81 | -115.60 | 586849.41 | 467439.20 | 32°17'5.2594"N | 104°03'8.2710"W | 1.50 | 1.50 | 0.00 | End Build |
| 2028.00† | 15.000 | 242.643 | 2013.96 | -67.26 | -69.09 | -133.53 | 586831.48 | 467429.92 | 32°17'5.1681"N | 104°03'8.4802"W | 0.00 | 0.00 | 0.00 | |
| 2128.00† | 15.000 | 242.643 | 2110.55 | -78.84 | -80.98 | -156.52 | 586808.50 | 467418.03 | 32°17'5.0510"N | 104°03'8.7483"W | 0.00 | 0.00 | 0.00 | |
| 2228.00† | 15.000 | 242.643 | 2207.14 | -90.42 | -92.87 | -179.50 | 586785.51 | 467406.13 | 32°17'4.9339"N | 104°03'9.0164"W | 0.00 | 0.00 | 0.00 | |
| 2328.00† | 15.000 | 242.643 | 2303.74 | -102.00 | -104.77 | -202.49 | 586762.53 | 467394.24 | 32°17'4.8168"N | 104°03'9.2845"W | 0.00 | 0.00 | 0.00 | |
| 2428.00† | 15.000 | 242.643 | 2400.33 | -113.58 | -116.66 | -225.48 | 586739.54 | 467382.35 | 32°17'4.6997"N | 104°03'9.5527"W | 0.00 | 0.00 | 0.00 | |
| 2528.00† | 15.000 | 242.643 | 2496.92 | -125.16 | -128.55 | -248.46 | 586716.56 | 467370.46 | 32°17'4.5826"N | 104°03'9.8208"W | 0.00 | 0.00 | 0.00 | |
| 2628.00† | 15.000 | 242.643 | 2593.51 | -136.74 | -140.45 | -271.45 | 586693.57 | 467358.56 | 32°17'4.4655"N | 104°03'10.0889"W | 0.00 | 0.00 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2728.00† | 15.000 | 242.643 | 2690.11 | -148.32 | -152.34 | -294.44 | 586670.59 | 467346.67 | 32°17'4.3484"N | 104°03'10.3570"W | 0.00 | 0.00 | 0.00 | |
| 2828.00† | 15.000 | 242.643 | 2786.70 | -159.90 | -164.23 | -317.43 | 586647.60 | 467334.78 | 32°17'4.2313"N | 104°03'10.6252"W | 0.00 | 0.00 | 0.00 | |
| 2928.00† | 15.000 | 242.643 | 2883.29 | -171.48 | -176.13 | -340.41 | 586624.61 | 467322.89 | 32°17'4.1143"N | 104°03'10.8933"W | 0.00 | 0.00 | 0.00 | |
| 3028.00† | 15.000 | 242.643 | 2979.88 | -183.06 | -188.02 | -363.40 | 586601.63 | 467310.99 | 32°17'3.9972"N | 104°03'11.1614"W | 0.00 | 0.00 | 0.00 | |
| 3128.00† | 15.000 | 242.643 | 3076.48 | -194.64 | -199.91 | -386.39 | 586578.64 | 467299.10 | 32°17'3.8801"N | 104°03'11.4295"W | 0.00 | 0.00 | 0.00 | |
| 3228.00† | 15.000 | 242.643 | 3173.07 | -206.22 | -211.81 | -409.38 | 586555.66 | 467287.21 | 32°17'3.7630"N | 104°03'11.6976"W | 0.00 | 0.00 | 0.00 | |
| 3328.00† | 15.000 | 242.643 | 3269.66 | -217.80 | -223.70 | -432.36 | 586532.67 | 467275.32 | 32°17'3.6459"N | 104°03'11.9658"W | 0.00 | 0.00 | 0.00 | |
| 3428.00† | 15.000 | 242.643 | 3366.25 | -229.37 | -235.60 | -455.35 | 586509.69 | 467263.42 | 32°17'3.5288"N | 104°03'12.2339"W | 0.00 | 0.00 | 0.00 | |
| 3528.00† | 15.000 | 242.643 | 3462.85 | -240.95 | -247.49 | -478.34 | 586486.70 | 467251.53 | 32°17'3.4117"N | 104°03'12.5020"W | 0.00 | 0.00 | 0.00 | |
| 3628.00† | 15.000 | 242.643 | 3559.44 | -252.53 | -259.38 | -501.33 | 586463.72 | 467239.64 | 32°17'3.2946"N | 104°03'12.7701"W | 0.00 | 0.00 | 0.00 | |
| 3728.00† | 15.000 | 242.643 | 3656.03 | -264.11 | -271.28 | -524.31 | 586440.73 | 467227.75 | 32°17'3.1775"N | 104°03'13.0382"W | 0.00 | 0.00 | 0.00 | |
| 3828.00† | 15.000 | 242.643 | 3752.62 | -275.69 | -283.17 | -547.30 | 586417.75 | 467215.85 | 32°17'3.0604"N | 104°03'13.3064"W | 0.00 | 0.00 | 0.00 | |
| 3928.00† | 15.000 | 242.643 | 3849.22 | -287.27 | -295.06 | -570.29 | 586394.76 | 467203.96 | 32°17'2.9433"N | 104°03'13.5745"W | 0.00 | 0.00 | 0.00 | |
| 4001.02 | 15.000 | 242.643 | 3919.75 | -295.73 | -303.75 | -587.07 | 586377.98 | 467195.28 | 32°17'2.8578"N | 104°03'13.7703"W | 0.00 | 0.00 | 0.00 | Rotate/Drop |
| 4028.00† | 14.798 | 242.643 | 3945.82 | -298.83 | -306.93 | -593.23 | 586371.82 | 467192.09 | 32°17'2.8264"N | 104°03'13.8421"W | 0.75 | -0.75 | 0.00 | |
| 4128.00† | 14.048 | 242.643 | 4042.67 | -309.97 | -318.38 | -615.36 | 586349.70 | 467180.65 | 32°17'2.7137"N | 104°03'14.1001"W | 0.75 | -0.75 | 0.00 | |
| 4228.00† | 13.298 | 242.643 | 4139.84 | -320.55 | -329.24 | -636.35 | 586328.70 | 467169.79 | 32°17'2.6068"N | 104°03'14.3450"W | 0.75 | -0.75 | 0.00 | |
| 4328.00† | 12.548 | 242.643 | 4237.30 | -330.55 | -339.52 | -656.21 | 586308.84 | 467159.51 | 32°17'2.5056"N | 104°03'14.5767"W | 0.75 | -0.75 | 0.00 | |
| 4428.00† | 11.798 | 242.643 | 4335.05 | -339.99 | -349.21 | -674.94 | 586290.12 | 467149.82 | 32°17'2.4102"N | 104°03'14.7951"W | 0.75 | -0.75 | 0.00 | |
| 4528.00† | 11.048 | 242.643 | 4433.07 | -348.85 | -358.31 | -692.53 | 586272.53 | 467140.72 | 32°17'2.3206"N | 104°03'15.0003"W | 0.75 | -0.75 | 0.00 | |
| 4628.00† | 10.298 | 242.643 | 4531.34 | -357.13 | -366.82 | -708.98 | 586256.08 | 467132.21 | 32°17'2.2368"N | 104°03'15.1921"W | 0.75 | -0.75 | 0.00 | |
| 4728.00† | 9.548 | 242.643 | 4629.84 | -364.84 | -374.74 | -724.28 | 586240.78 | 467124.29 | 32°17'2.1588"N | 104°03'15.3706"W | 0.75 | -0.75 | 0.00 | |
| 4828.00† | 8.798 | 242.643 | 4728.56 | -371.98 | -382.06 | -738.44 | 586226.62 | 467116.97 | 32°17'2.0867"N | 104°03'15.5358"W | 0.75 | -0.75 | 0.00 | |
| 4928.00† | 8.048 | 242.643 | 4827.49 | -378.53 | -388.79 | -751.45 | 586213.61 | 467110.24 | 32°17'2.0204"N | 104°03'15.6875"W | 0.75 | -0.75 | 0.00 | |
| 5028.00† | 7.298 | 242.643 | 4926.59 | -384.50 | -394.93 | -763.31 | 586201.76 | 467104.10 | 32°17'1.9600"N | 104°03'15.8258"W | 0.75 | -0.75 | 0.00 | |
| 5128.00† | 6.548 | 242.643 | 5025.86 | -389.89 | -400.47 | -774.01 | 586191.05 | 467098.57 | 32°17'1.9055"N | 104°03'15.9507"W | 0.75 | -0.75 | 0.00 | |
| 5228.00† | 5.798 | 242.643 | 5125.28 | -394.70 | -405.41 | -783.56 | 586181.50 | 467093.63 | 32°17'1.8569"N | 104°03'16.0620"W | 0.75 | -0.75 | 0.00 | |
| 5328.00† | 5.048 | 242.643 | 5224.83 | -398.93 | -409.75 | -791.96 | 586173.11 | 467089.28 | 32°17'1.8141"N | 104°03'16.1599"W | 0.75 | -0.75 | 0.00 | |
| 5428.00† | 4.298 | 242.643 | 5324.50 | -402.58 | -413.50 | -799.19 | 586165.88 | 467085.54 | 32°17'1.7773"N | 104°03'16.2443"W | 0.75 | -0.75 | 0.00 | |
| 5528.00† | 3.548 | 242.643 | 5424.26 | -405.64 | -416.64 | -805.27 | 586159.80 | 467082.40 | 32°17'1.7463"N | 104°03'16.3152"W | 0.75 | -0.75 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5628.00† | 2.798 | 242.643 | 5524.11 | -408.11 | -419.18 | -810.18 | 586154.89 | 467079.85 | 32°17'1.7213"N | 104°03'16.3725"W | 0.75 | -0.75 | 0.00 | |
| 5728.00† | 2.048 | 242.643 | 5624.02 | -410.01 | -421.12 | -813.94 | 586151.13 | 467077.91 | 32°17'1.7021"N | 104°03'16.4163"W | 0.75 | -0.75 | 0.00 | |
| 5828.00† | 1.298 | 242.643 | 5723.98 | -411.31 | -422.47 | -816.53 | 586148.54 | 467076.57 | 32°17'1.6889"N | 104°03'16.4466"W | 0.75 | -0.75 | 0.00 | |
| 5928.00† | 0.548 | 242.643 | 5823.96 | -412.03 | -423.21 | -817.96 | 586147.11 | 467075.83 | 32°17'1.6816"N | 104°03'16.4632"W | 0.75 | -0.75 | 0.00 | |
| 6001.02 | 0.000 | 348.030 | 5896.98 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.75 | -0.75 | 0.00 | Hold Vertical |
| 6028.00† | 0.000 | 348.030 | 5923.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6128.00† | 0.000 | 348.030 | 6023.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6228.00† | 0.000 | 348.030 | 6123.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6328.00† | 0.000 | 348.030 | 6223.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6428.00† | 0.000 | 348.030 | 6323.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6528.00† | 0.000 | 348.030 | 6423.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6628.00† | 0.000 | 348.030 | 6523.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6728.00† | 0.000 | 348.030 | 6623.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6828.00† | 0.000 | 348.030 | 6723.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 6928.00† | 0.000 | 348.030 | 6823.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7028.00† | 0.000 | 348.030 | 6923.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7128.00† | 0.000 | 348.030 | 7023.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7228.00† | 0.000 | 348.030 | 7123.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7328.00† | 0.000 | 348.030 | 7223.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7428.00† | 0.000 | 348.030 | 7323.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7528.00† | 0.000 | 348.030 | 7423.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7628.00† | 0.000 | 348.030 | 7523.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7728.00† | 0.000 | 348.030 | 7623.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7828.00† | 0.000 | 348.030 | 7723.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 7928.00† | 0.000 | 348.030 | 7823.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8028.00† | 0.000 | 348.030 | 7923.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8128.00† | 0.000 | 348.030 | 8023.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8228.00† | 0.000 | 348.030 | 8123.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8328.00† | 0.000 | 348.030 | 8223.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8428.00† | 0.000 | 348.030 | 8323.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8528.00† | 0.000 | 348.030 | 8423.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8628.00† | 0.000 | 348.030 | 8523.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8634.04 | 0.000 | 348.030 | 8530.00 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | 7" Casing |
| 8728.00† | 0.000 | 348.030 | 8623.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8828.00† | 0.000 | 348.030 | 8723.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8928.00† | 0.000 | 348.030 | 8823.96 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | |
| 8952.83 | 0.000 | 348.030 | 8848.79 | -412.19 | -423.37 | -818.27 | 586146.80 | 467075.67 | 32°17'1.6801"N | 104°03'16.4669"W | 0.00 | 0.00 | 0.00 | Curve KOP |
| 9028.00† | 7.517 | 348.030 | 8923.75 | -407.36 | -418.55 | -819.29 | 586145.78 | 467080.49 | 32°17'1.7278"N | 104°03'16.4786"W | 10.00 | 10.00 | 0.00 | |
| 9128.00† | 17.517 | 348.030 | 9021.24 | -386.12 | -397.37 | -823.78 | 586141.29 | 467101.66 | 32°17'1.9374"N | 104°03'16.5303"W | 10.00 | 10.00 | 0.00 | |
| 9228.00† | 27.517 | 348.030 | 9113.50 | -348.60 | -359.96 | -831.71 | 586133.36 | 467139.07 | 32°17'2.3079"N | 104°03'16.6215"W | 10.00 | 10.00 | 0.00 | |
| 9328.00† | 37.517 | 348.030 | 9197.72 | -295.94 | -307.44 | -842.85 | 586122.22 | 467191.59 | 32°17'2.8278"N | 104°03'16.7496"W | 10.00 | 10.00 | 0.00 | |
| 9352.83 | 40.000 | 348.030 | 9217.08 | -280.69 | -292.23 | -846.07 | 586119.00 | 467206.79 | 32°17'2.9784"N | 104°03'16.7867"W | 10.00 | 10.00 | 0.00 | Cont. Build/Start Turn |
| 9428.00† | 47.309 | 350.581 | 9271.43 | -229.60 | -241.27 | -855.62 | 586109.46 | 467257.75 | 32°17'3.4829"N | 104°03'16.8964"W | 10.00 | 9.72 | 3.39 | |
| 9528.00† | 57.099 | 353.174 | 9332.65 | -151.32 | -163.14 | -866.65 | 586098.43 | 467335.88 | 32°17'4.2564"N | 104°03'17.0225"W | 10.00 | 9.79 | 2.59 | |
| 9628.00† | 66.931 | 355.245 | 9379.52 | -63.46 | -75.39 | -875.47 | 586089.60 | 467423.62 | 32°17'5.1249"N | 104°03'17.1226"W | 10.00 | 9.83 | 2.07 | |
| 9728.00† | 76.786 | 357.031 | 9410.62 | 31.31 | 19.31 | -881.82 | 586083.25 | 467518.31 | 32°17'6.0621"N | 104°03'17.1938"W | 10.00 | 9.86 | 1.79 | |
| 9828.00† | 86.653 | 358.677 | 9425.01 | 130.11 | 118.07 | -885.51 | 586079.57 | 467617.06 | 32°17'7.0395"N | 104°03'17.2337"W | 10.00 | 9.87 | 1.65 | |
| 9861.91 | 90.000 | 359.222 | 9426.00 | 164.01 | 151.96 | -886.13 | 586078.95 | 467650.94 | 32°17'7.3748"N | 104°03'17.2399"W | 10.00 | 9.87 | 1.61 | End Build/Turn - Landing |
| 9928.00† | 90.000 | 359.222 | 9426.00 | 230.09 | 218.04 | -887.03 | 586078.05 | 467717.02 | 32°17'8.0288"N | 104°03'17.2483"W | 0.00 | 0.00 | 0.00 | |
| 10028.00† | 90.000 | 359.222 | 9426.00 | 330.09 | 318.03 | -888.38 | 586076.69 | 467817.00 | 32°17'9.0182"N | 104°03'17.2611"W | 0.00 | 0.00 | 0.00 | |
| 10128.00† | 90.000 | 359.222 | 9426.00 | 430.09 | 418.02 | -889.74 | 586075.34 | 467916.99 | 32°17'10.0077"N | 104°03'17.2739"W | 0.00 | 0.00 | 0.00 | |
| 10228.00† | 90.000 | 359.222 | 9426.00 | 530.09 | 518.01 | -891.10 | 586073.98 | 468016.97 | 32°17'10.9972"N | 104°03'17.2867"W | 0.00 | 0.00 | 0.00 | |
| 10328.00† | 90.000 | 359.222 | 9426.00 | 630.09 | 618.00 | -892.45 | 586072.62 | 468116.95 | 32°17'11.9867"N | 104°03'17.2995"W | 0.00 | 0.00 | 0.00 | |
| 10428.00† | 90.000 | 359.222 | 9426.00 | 730.09 | 717.99 | -893.81 | 586071.26 | 468216.93 | 32°17'12.9761"N | 104°03'17.3123"W | 0.00 | 0.00 | 0.00 | |
| 10528.00† | 90.000 | 359.222 | 9426.00 | 830.09 | 817.98 | -895.17 | 586069.91 | 468316.91 | 32°17'13.9656"N | 104°03'17.3250"W | 0.00 | 0.00 | 0.00 | |
| 10628.00† | 90.000 | 359.222 | 9426.00 | 930.09 | 917.97 | -896.53 | 586068.55 | 468416.90 | 32°17'14.9551"N | 104°03'17.3378"W | 0.00 | 0.00 | 0.00 | |
| 10728.00† | 90.000 | 359.222 | 9426.00 | 1030.09 | 1017.97 | -897.88 | 586067.19 | 468516.88 | 32°17'15.9446"N | 104°03'17.3506"W | 0.00 | 0.00 | 0.00 | |
| 10828.00† | 90.000 | 359.222 | 9426.00 | 1130.09 | 1117.96 | -899.24 | 586065.84 | 468616.86 | 32°17'16.9340"N | 104°03'17.3634"W | 0.00 | 0.00 | 0.00 | |
| 10928.00† | 90.000 | 359.222 | 9426.00 | 1230.09 | 1217.95 | -900.60 | 586064.48 | 468716.84 | 32°17'17.9235"N | 104°03'17.3762"W | 0.00 | 0.00 | 0.00 | |
| 11028.00† | 90.000 | 359.222 | 9426.00 | 1330.09 | 1317.94 | -901.95 | 586063.12 | 468816.83 | 32°17'18.9130"N | 104°03'17.3889"W | 0.00 | 0.00 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11128.00† | 90.000 | 359.222 | 9426.00 | 1430.09 | 1417.93 | -903.31 | 586061.77 | 468916.81 | 32°17'19.9025"N | 104°03'17.4017"W | 0.00 | 0.00 | 0.00 | |
| 11228.00† | 90.000 | 359.222 | 9426.00 | 1530.09 | 1517.92 | -904.67 | 586060.41 | 469016.79 | 32°17'20.8920"N | 104°03'17.4145"W | 0.00 | 0.00 | 0.00 | |
| 11328.00† | 90.000 | 359.222 | 9426.00 | 1630.09 | 1617.91 | -906.02 | 586059.05 | 469116.77 | 32°17'21.8814"N | 104°03'17.4273"W | 0.00 | 0.00 | 0.00 | |
| 11428.00† | 90.000 | 359.222 | 9426.00 | 1730.09 | 1717.90 | -907.38 | 586057.70 | 469216.76 | 32°17'22.8709"N | 104°03'17.4401"W | 0.00 | 0.00 | 0.00 | |
| 11528.00† | 90.000 | 359.222 | 9426.00 | 1830.09 | 1817.89 | -908.74 | 586056.34 | 469316.74 | 32°17'23.8604"N | 104°03'17.4529"W | 0.00 | 0.00 | 0.00 | |
| 11628.00† | 90.000 | 359.222 | 9426.00 | 1930.09 | 1917.88 | -910.10 | 586054.98 | 469416.72 | 32°17'24.8499"N | 104°03'17.4656"W | 0.00 | 0.00 | 0.00 | |
| 11728.00† | 90.000 | 359.222 | 9426.00 | 2030.09 | 2017.87 | -911.45 | 586053.62 | 469516.70 | 32°17'25.8393"N | 104°03'17.4784"W | 0.00 | 0.00 | 0.00 | |
| 11828.00† | 90.000 | 359.222 | 9426.00 | 2130.09 | 2117.86 | -912.81 | 586052.27 | 469616.69 | 32°17'26.8288"N | 104°03'17.4912"W | 0.00 | 0.00 | 0.00 | |
| 11928.00† | 90.000 | 359.222 | 9426.00 | 2230.09 | 2217.85 | -914.17 | 586050.91 | 469716.67 | 32°17'27.8183"N | 104°03'17.5040"W | 0.00 | 0.00 | 0.00 | |
| 12028.00† | 90.000 | 359.222 | 9426.00 | 2330.09 | 2317.85 | -915.52 | 586049.55 | 469816.65 | 32°17'28.8078"N | 104°03'17.5168"W | 0.00 | 0.00 | 0.00 | |
| 12128.00† | 90.000 | 359.222 | 9426.00 | 2430.09 | 2417.84 | -916.88 | 586048.20 | 469916.63 | 32°17'29.7972"N | 104°03'17.5296"W | 0.00 | 0.00 | 0.00 | |
| 12228.00† | 90.000 | 359.222 | 9426.00 | 2530.09 | 2517.83 | -918.24 | 586046.84 | 470016.61 | 32°17'30.7867"N | 104°03'17.5424"W | 0.00 | 0.00 | 0.00 | |
| 12328.00† | 90.000 | 359.222 | 9426.00 | 2630.09 | 2617.82 | -919.59 | 586045.48 | 470116.60 | 32°17'31.7762"N | 104°03'17.5551"W | 0.00 | 0.00 | 0.00 | |
| 12428.00† | 90.000 | 359.222 | 9426.00 | 2730.09 | 2717.81 | -920.95 | 586044.13 | 470216.58 | 32°17'32.7657"N | 104°03'17.5679"W | 0.00 | 0.00 | 0.00 | |
| 12528.00† | 90.000 | 359.222 | 9426.00 | 2830.09 | 2817.80 | -922.31 | 586042.77 | 470316.56 | 32°17'33.7551"N | 104°03'17.5807"W | 0.00 | 0.00 | 0.00 | |
| 12628.00† | 90.000 | 359.222 | 9426.00 | 2930.09 | 2917.79 | -923.67 | 586041.41 | 470416.54 | 32°17'34.7446"N | 104°03'17.5935"W | 0.00 | 0.00 | 0.00 | |
| 12728.00† | 90.000 | 359.222 | 9426.00 | 3030.09 | 3017.78 | -925.02 | 586040.06 | 470516.53 | 32°17'35.7341"N | 104°03'17.6063"W | 0.00 | 0.00 | 0.00 | |
| 12828.00† | 90.000 | 359.222 | 9426.00 | 3130.09 | 3117.77 | -926.38 | 586038.70 | 470616.51 | 32°17'36.7236"N | 104°03'17.6191"W | 0.00 | 0.00 | 0.00 | |
| 12928.00† | 90.000 | 359.222 | 9426.00 | 3230.09 | 3217.76 | -927.74 | 586037.34 | 470716.49 | 32°17'37.7130"N | 104°03'17.6318"W | 0.00 | 0.00 | 0.00 | |
| 13028.00† | 90.000 | 359.222 | 9426.00 | 3330.09 | 3317.75 | -929.09 | 586035.98 | 470816.47 | 32°17'38.7025"N | 104°03'17.6446"W | 0.00 | 0.00 | 0.00 | |
| 13128.00† | 90.000 | 359.222 | 9426.00 | 3430.09 | 3417.74 | -930.45 | 586034.63 | 470916.46 | 32°17'39.6920"N | 104°03'17.6574"W | 0.00 | 0.00 | 0.00 | |
| 13228.00† | 90.000 | 359.222 | 9426.00 | 3530.09 | 3517.73 | -931.81 | 586033.27 | 471016.44 | 32°17'40.6815"N | 104°03'17.6702"W | 0.00 | 0.00 | 0.00 | |
| 13328.00† | 90.000 | 359.222 | 9426.00 | 3630.09 | 3617.73 | -933.16 | 586031.91 | 471116.42 | 32°17'41.6710"N | 104°03'17.6830"W | 0.00 | 0.00 | 0.00 | |
| 13428.00† | 90.000 | 359.222 | 9426.00 | 3730.09 | 3717.72 | -934.52 | 586030.56 | 471216.40 | 32°17'42.6604"N | 104°03'17.6958"W | 0.00 | 0.00 | 0.00 | |
| 13528.00† | 90.000 | 359.222 | 9426.00 | 3830.09 | 3817.71 | -935.88 | 586029.20 | 471316.39 | 32°17'43.6499"N | 104°03'17.7085"W | 0.00 | 0.00 | 0.00 | |
| 13628.00† | 90.000 | 359.222 | 9426.00 | 3930.09 | 3917.70 | -937.24 | 586027.84 | 471416.37 | 32°17'44.6394"N | 104°03'17.7213"W | 0.00 | 0.00 | 0.00 | |
| 13728.00† | 90.000 | 359.222 | 9426.00 | 4030.09 | 4017.69 | -938.59 | 586026.49 | 471516.35 | 32°17'45.6289"N | 104°03'17.7341"W | 0.00 | 0.00 | 0.00 | |
| 13828.00† | 90.000 | 359.222 | 9426.00 | 4130.09 | 4117.68 | -939.95 | 586025.13 | 471616.33 | 32°17'46.6183"N | 104°03'17.7469"W | 0.00 | 0.00 | 0.00 | |
| 13928.00† | 90.000 | 359.222 | 9426.00 | 4230.09 | 4217.67 | -941.31 | 586023.77 | 471716.32 | 32°17'47.6078"N | 104°03'17.7597"W | 0.00 | 0.00 | 0.00 | |
| 14028.00† | 90.000 | 359.222 | 9426.00 | 4330.09 | 4317.66 | -942.66 | 586022.42 | 471816.30 | 32°17'48.5973"N | 104°03'17.7725"W | 0.00 | 0.00 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14128.00† | 90.000 | 359.222 | 9426.00 | 4430.09 | 4417.65 | -944.02 | 586021.06 | 471916.28 | 32°17'49.5868"N | 104°03'17.7853"W | 0.00 | 0.00 | 0.00 | |
| 14228.00† | 90.000 | 359.222 | 9426.00 | 4530.09 | 4517.64 | -945.38 | 586019.70 | 472016.26 | 32°17'50.5762"N | 104°03'17.7980"W | 0.00 | 0.00 | 0.00 | |
| 14328.00† | 90.000 | 359.222 | 9426.00 | 4630.09 | 4617.63 | -946.74 | 586018.34 | 472116.24 | 32°17'51.5657"N | 104°03'17.8108"W | 0.00 | 0.00 | 0.00 | |
| 14428.00† | 90.000 | 359.222 | 9426.00 | 4730.09 | 4717.62 | -948.09 | 586016.99 | 472216.23 | 32°17'52.5552"N | 104°03'17.8236"W | 0.00 | 0.00 | 0.00 | |
| 14500.79 | 90.000 | 359.222 | 9426.00[1] | 4802.88 | 4790.40 | -949.08 | 586016.00 | 472289.00 | 32°17'53.2754"N | 104°03'17.8329"W | 0.00 | 0.00 | 0.00 | Start Turn |
| 14528.00† | 90.000 | 359.767 | 9426.00 | 4830.09 | 4817.62 | -949.32 | 586015.76 | 472316.21 | 32°17'53.5447"N | 104°03'17.8349"W | 2.00 | 0.00 | 2.00 | |
| 14562.30 | 90.000 | 0.453 | 9426.00 | 4864.39 | 4851.91 | -949.25 | 586015.83 | 472350.50 | 32°17'53.8840"N | 104°03'17.8331"W | 2.00 | 0.00 | 2.00 | End Turn |
| 14628.00† | 90.000 | 0.453 | 9426.00 | 4930.07 | 4917.61 | -948.74 | 586016.34 | 472416.20 | 32°17'54.5342"N | 104°03'17.8251"W | 0.00 | 0.00 | 0.00 | |
| 14728.00† | 90.000 | 0.453 | 9426.00 | 5030.05 | 5017.61 | -947.95 | 586017.13 | 472516.19 | 32°17'55.5236"N | 104°03'17.8128"W | 0.00 | 0.00 | 0.00 | |
| 14828.00† | 90.000 | 0.453 | 9426.00 | 5130.03 | 5117.61 | -947.16 | 586017.92 | 472616.18 | 32°17'56.5131"N | 104°03'17.8006"W | 0.00 | 0.00 | 0.00 | |
| 14928.00† | 90.000 | 0.453 | 9426.00 | 5230.00 | 5217.60 | -946.37 | 586018.71 | 472716.17 | 32°17'57.5026"N | 104°03'17.7884"W | 0.00 | 0.00 | 0.00 | |
| 15028.00† | 90.000 | 0.453 | 9426.00 | 5329.98 | 5317.60 | -945.58 | 586019.50 | 472816.15 | 32°17'58.4921"N | 104°03'17.7761"W | 0.00 | 0.00 | 0.00 | |
| 15128.00† | 90.000 | 0.453 | 9426.00 | 5429.96 | 5417.60 | -944.79 | 586020.29 | 472916.14 | 32°17'59.4816"N | 104°03'17.7639"W | 0.00 | 0.00 | 0.00 | |
| 15228.00† | 90.000 | 0.453 | 9426.00 | 5529.93 | 5517.60 | -943.99 | 586021.08 | 473016.13 | 32°18'0.4710"N | 104°03'17.7517"W | 0.00 | 0.00 | 0.00 | |
| 15328.00† | 90.000 | 0.453 | 9426.00 | 5629.91 | 5617.59 | -943.20 | 586021.87 | 473116.12 | 32°18'1.4605"N | 104°03'17.7394"W | 0.00 | 0.00 | 0.00 | |
| 15428.00† | 90.000 | 0.453 | 9426.00 | 5729.89 | 5717.59 | -942.41 | 586022.66 | 473216.11 | 32°18'2.4500"N | 104°03'17.7272"W | 0.00 | 0.00 | 0.00 | |
| 15528.00† | 90.000 | 0.453 | 9426.00 | 5829.87 | 5817.59 | -941.62 | 586023.45 | 473316.10 | 32°18'3.4395"N | 104°03'17.7150"W | 0.00 | 0.00 | 0.00 | |
| 15628.00† | 90.000 | 0.453 | 9426.00 | 5929.84 | 5917.58 | -940.83 | 586024.24 | 473416.08 | 32°18'4.4290"N | 104°03'17.7028"W | 0.00 | 0.00 | 0.00 | |
| 15728.00† | 90.000 | 0.453 | 9426.00 | 6029.82 | 6017.58 | -940.04 | 586025.03 | 473516.07 | 32°18'5.4184"N | 104°03'17.6905"W | 0.00 | 0.00 | 0.00 | |
| 15828.00† | 90.000 | 0.453 | 9426.00 | 6129.80 | 6117.58 | -939.25 | 586025.82 | 473616.06 | 32°18'6.4079"N | 104°03'17.6783"W | 0.00 | 0.00 | 0.00 | |
| 15928.00† | 90.000 | 0.453 | 9426.00 | 6229.77 | 6217.57 | -938.46 | 586026.61 | 473716.05 | 32°18'7.3974"N | 104°03'17.6661"W | 0.00 | 0.00 | 0.00 | |
| 16028.00† | 90.000 | 0.453 | 9426.00 | 6329.75 | 6317.57 | -937.67 | 586027.40 | 473816.04 | 32°18'8.3869"N | 104°03'17.6538"W | 0.00 | 0.00 | 0.00 | |
| 16128.00† | 90.000 | 0.453 | 9426.00 | 6429.73 | 6417.57 | -936.88 | 586028.19 | 473916.03 | 32°18'9.3764"N | 104°03'17.6416"W | 0.00 | 0.00 | 0.00 | |
| 16228.00† | 90.000 | 0.453 | 9426.00 | 6529.70 | 6517.56 | -936.09 | 586028.98 | 474016.02 | 32°18'10.3658"N | 104°03'17.6294"W | 0.00 | 0.00 | 0.00 | |
| 16328.00† | 90.000 | 0.453 | 9426.00 | 6629.68 | 6617.56 | -935.30 | 586029.77 | 474116.00 | 32°18'11.3553"N | 104°03'17.6172"W | 0.00 | 0.00 | 0.00 | |
| 16428.00† | 90.000 | 0.453 | 9426.00 | 6729.66 | 6717.56 | -934.51 | 586030.56 | 474215.99 | 32°18'12.3448"N | 104°03'17.6049"W | 0.00 | 0.00 | 0.00 | |
| 16528.00† | 90.000 | 0.453 | 9426.00 | 6829.63 | 6817.55 | -933.72 | 586031.35 | 474315.98 | 32°18'13.3343"N | 104°03'17.5927"W | 0.00 | 0.00 | 0.00 | |
| 16628.00† | 90.000 | 0.453 | 9426.00 | 6929.61 | 6917.55 | -932.93 | 586032.14 | 474415.97 | 32°18'14.3238"N | 104°03'17.5805"W | 0.00 | 0.00 | 0.00 | |
| 16728.00† | 90.000 | 0.453 | 9426.00 | 7029.59 | 7017.55 | -932.14 | 586032.93 | 474515.96 | 32°18'15.3132"N | 104°03'17.5682"W | 0.00 | 0.00 | 0.00 | |
| 16828.00† | 90.000 | 0.453 | 9426.00 | 7129.56 | 7117.55 | -931.35 | 586033.72 | 474615.95 | 32°18'16.3027"N | 104°03'17.5560"W | 0.00 | 0.00 | 0.00 | |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**WELLPATH DATA (183 stations)** † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16928.00† | 90.000 | 0.453 | 9426.00 | 7229.54 | 7217.54 | -930.56 | 586034.51 | 474715.93 | 32°18'17.2922"N | 104°03'17.5438"W | 0.00 | 0.00 | 0.00 | |
| 17028.00† | 90.000 | 0.453 | 9426.00 | 7329.52 | 7317.54 | -929.77 | 586035.30 | 474815.92 | 32°18'18.2817"N | 104°03'17.5315"W | 0.00 | 0.00 | 0.00 | |
| 17116.09 | 90.000 | 0.453 | 9426.00[2] | 7417.59 | 7405.62 | -929.08 | 586036.00 | 474904.00 | 32°18'19.1533"N | 104°03'17.5208"W | 0.00 | 0.00 | 0.00 | PBHL |

**HOLE & CASING SECTIONS - Ref Wellbore: CB BERU 23 14 FEE 06 No. 301H PWB Ref Wellpath: CB BERU 23 14 FEE 06 No. 301H Rev-A.0**

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|---|---|---|---|---|---|---|---|---|---|
| 13.375in Casing | 28.00 | 450.00 | 422.00 | 28.00 | 450.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9.625in Casing | 28.00 | 2634.72 | 2606.72 | 28.00 | 2600.00 | 0.00 | 0.00 | -141.25 | -273.00 |
| 7in Casing | 28.00 | 8634.04 | 8606.04 | 28.00 | 8530.00 | 0.00 | 0.00 | -423.37 | -818.27 |
| 4.5in Casing | 28.00 | 17116.09 | 17088.09 | 28.00 | N/A | 0.00 | 0.00 | N/A | N/A |

# Planned Wellpath Report

**CB BERU 23 14 FEE 06 No. 301H Rev-A.0**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **Chevron U.S.A. Inc.** | Well | **CB BERU 23 14 FEE 06 No. 301H** |
| Field | **Purple Sage (Eddy Co., NM) NAD 27** | API/Legal | |
| Facility | **CB Pkg 6** | Wellbore | **CB BERU 23 14 FEE 06 No. 301H PWB** |
| Slot | **CB BERU 23 14 FEE 06 No. 301H** | | |

**TARGETS**

| Name | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|---|---|---|---|---|---|---|---|---|---|
| **CB BERU 23 14 FEE 06 No. 301H FTP** | N/A | 9426.00 | -144.01 | -882.07 | **586083.00** | **467355.00** | 32°17'4.4460"N | 104°03'17.2016"W | point |
| **CB BERU 23 14 FEE 06 No. 301H LTP** | N/A | 9426.00 | 7100.60 | -931.08 | **586034.00** | **474599.00** | 32°18'16.1350"N | 104°03'17.5533"W | point |
| **1) CB BERU 23 14 FEE 06 No. 301H MP** | 14500.79 | 9426.00 | 4790.40 | -949.08 | **586016.00** | **472289.00** | 32°17'53.2754"N | 104°03'17.8329"W | point |
| **2) CB BERU 23 14 FEE 06 No. 301H PBHL** | 17116.09 | 9426.00 | 7405.62 | -929.08 | **586036.00** | **474904.00** | 32°18'19.1533"N | 104°03'17.5208"W | point |

**SURVEY PROGRAM - Ref Wellbore: CB BERU 23 14 FEE 06 No. 301H PWB Ref Wellpath: CB BERU 23 14 FEE 06 No. 301H Rev-A.0**

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---|---|---|---|---|
| 28.00 | 450.00 | OWSG MWD rev2 + HRGM | | CB BERU 23 14 FEE 06 No. 301H PWB |
| 450.00 | 2700.00 | OWSG MWD rev2 + HRGM | | CB BERU 23 14 FEE 06 No. 301H PWB |
| 2700.00 | 8700.00 | OWSG MWD rev2 + HRGM | | CB BERU 23 14 FEE 06 No. 301H PWB |
| 8700.00 | 17116.09 | OWSG MWD rev2 + HRGM | | CB BERU 23 14 FEE 06 No. 301H PWB |

# $H_2S$ Preparedness and Contingency Plan Summary

## Training

MCBU Drilling and Completions $H_2S$ training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of $H_2S$.

## Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of $H_2S$, who are not required to perform work in $H_2S$ areas, will be provided with an awareness level of $H_2S$ training prior to entering any $H_2S$ areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of $H_2S$
2. Health hazards of $H_2S$
3. Personal protective equipment
4. Information regarding potential sources of $H_2S$
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

## Advanced Level $H_2S$ Training

Employees and contractors required to work in areas that may contain $H_2S$ will be provided with Advanced Level $H_2S$ training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level $H_2S$ training will include:

1. $H_2S$ safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of $H_2S$ (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring $H_2S$ equipment.
4. Basic overview of respiratory protective equipment suitable for use in $H_2S$ environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level $H_2S$ training;
6. Proficiency examination covering all course material.

Advanced $H_2S$ training courses will be instructed by personnel who have successfully completed an appropriate $H_2S$ train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

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## $H_2S$ Training Certification

All employees and visitors will be issued an $H_2S$ training certification card (or certificate) upon successful completion of the appropriate $H_2S$ training course. Personnel working in an $H_2S$ environment will carry a current $H_2S$ training certification card as proof of having received the proper training on their person at all times.

## Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

## $H_2S$ Equipment

### Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

### Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

## $H_2S$ Detection and Monitoring System

a) $H_2S$ monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

# $H_2S$ Preparedness and Contingency Plan Summary

## Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

## Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

## Public Safety - Emergency Assistance

| Agency | Telephone Number |
|---|---|
| Lea County Sheriff's Department | 575-396-3611 |
| Fire Department: | |
| Carlsbad | 575-885-3125 |
| Artesia | 575-746-5050 |
| Lea County Regional Medical Center | 575-492-5000 |
| Jal Community Hospital | 505-395-2511 |
| Lea County Emergency Management | 575-396-8602 |
| Poison Control Center | 800-222-1222 |

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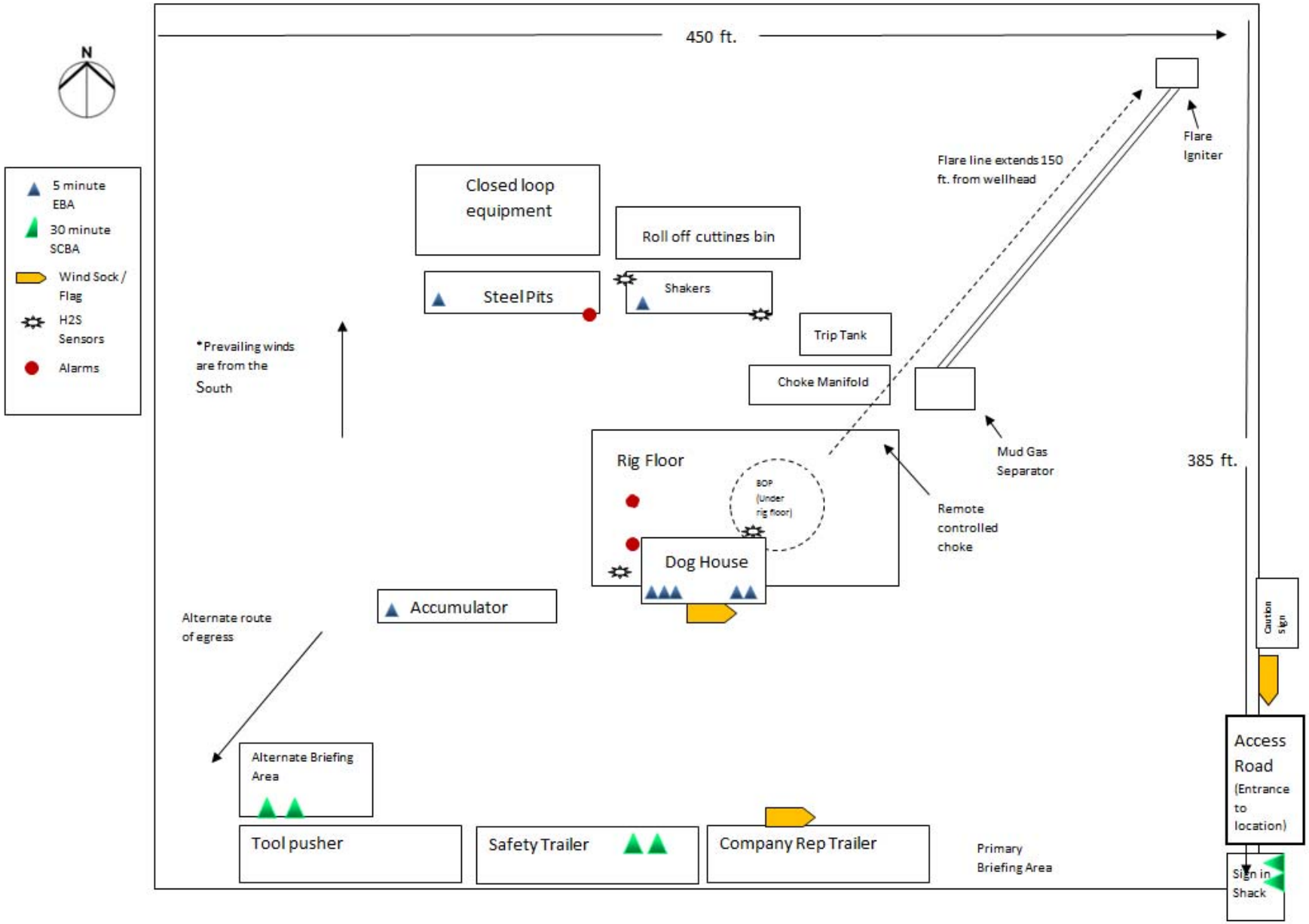
## Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

| | Name | Title | Office Number | Cell Phone |
|---|---|---|---|---|
| 1. | **TBD** | Drilling Engineer | | |
| 2. | TBD | Superintendent | | |
| 5. | Steve Hassmann | Drilling Manager | (713) 372-4496 | 832-729-3236 |
| 6. | Kyle Eastman | Operations Manager | TBD | 281-755-6554 |
| 7. | TBD | D&C HES | | |
| 8. | TBD | Completion Engineer | | |

# $H_2S$ Preparedness and Contingency Plan Summary



Intent [X] As Drilled [ ]

| API # |
|---|
| |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| CHEVRON USA INC | CB BERU 23 14 FEE 06 | 301H |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 23 | 23S | 28E | | 470 | FSL | 900 | FEL | EDDY |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.285078 | 104.052415 | NAD 83/86 |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| O | 23 | 23S | 28E | | 330 | FSL | 1,785 | FEL | EDDY |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.284691 | 104.055271 | NAD 83/86 |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| J | 14 | 23S | 28E | | 2,310 | FSL | 1,785 | FEL | EDDY |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.304603 | 104.055371 | NAD 86/86 |

Is this well the defining well for the Horizontal Spacing Unit? NO

Is this well an infill well? YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

| API # |
|---|
| |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| CHEVRON USA INC | CB BERU 23 14 FED 06 | 302H |

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original
to Appropriate
District Office

**GAS CAPTURE PLAN**

☐ Original Operator & OGRID No.: CHEVRON U S A INC 4323
☐ Amended Date: 3/5/2020
Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

*Note: A C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule 19.15.18.12.A*

**Wells / Production Facility – CULEBRA BLUFF CENTRAL CTB (SECTION 23)**

The wells that will be located at the production facility are shown in the table below.

| Well Name | API | Well Location (ULSTR) | Footages | Expected MCF/D | Flared or Vented | Comments |
|---|---|---|---|---|---|---|
| CB BERU 23 14 FEE 06 301H | *Pending* | UL: P, Sec 23, T23S-R28E | 470' FSL, 900' FEL | 1,200 | 0 | |
| CB BERU 23 14 FEE 06 302H | *Pending* | UL: P, Sec 23, T23S-R28E | 470' FSL, 850' FEL | 1,200 | 0 | |
| CB BERU 23 14 FEE 06 401H | *Pending* | UL: P, Sec 23, T23S-R28E | 470' FSL, 925' FEL | 2,500 | 0 | |
| CB BERU 23 14 FEE 06 402H | *Pending* | UL: P, Sec 23, T23S-R28E | 470' FSL, 875' FEL | 2,500 | 0 | |
| CB BERU 23 14 FEE 06 403H | *Pending* | UL: P, Sec 23, T23S-R28E | 470' FSL, 825' FEL | 2,500 | 0 | |

**Gathering System and Pipeline Notification**

These Culebra Bluff Beru Package 6 wells will be connected to Chevron's Culebra Bluff Central CTB (Section 23) production facility located in Sec. 23, T23S, R28E, Eddy County, New Mexico during flowback and production. Gas produced from the production facility will be dedicated to Targa Delaware LLC ("Targa") and connected to Targa's high-pressure gathering system in Eddy County, New Mexico. Produced gas will then be processed in Culberson County, Texas at either Targa's Falcon Plant (Sec 9, Blk 58, T1S T&P RR Co Survey) or Peregrine Plant (Sec 47, Blk 61, T1S, T&P RR Co Survey). The actual flow of the gas will be based on compression operating parameters and gathering system pressures. Chevron will periodically provide Targa a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Chevron and Targa will have periodic conference calls to discuss changes to the drilling and completion schedules.

**Flowback Strategy**

After the fracture treatment/completion operations, wells will be routed to the permanent production facilities. Wells will have temporary sand catchers (separators) that will be installed at the well location to prevent sand from getting into the flowlines. These sand separators will be blown down periodically which will result in minimal venting of gas. Gas sales will start as soon as the wells start flowing through the production facilities unless there are operational issues with Targa's system at that time. Based on current information, it is Chevron's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

**Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On Lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared.
- Compressed Natural Gas – On Lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines.
- NGL Removal – On lease and trucked from condensate tanks
  - Plants are expensive and uneconomical to operate when gas volume declines.
  - Any residue gas that results in the future may be flared.