

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-55842
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Quail 16 State Com
8. Well Number 203H
9. OGRID Number 332947
10. Pool name or Wildcat Lea; BS, South 37580
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3639' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [X] Gas Well [] Other []
2. Name of Operator Avant Operating II, LLC
3. Address of Operator 1515 Wynkoop Street, Suite 700. Denver, CO 80202.
4. Well Location Unit Letter M : 479 feet from the South line and 1039 feet from the West line Section 16 Township 20S Range 34E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3639' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS [X]
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: []

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Avant Operating II, LLC respectfully requests to make the following changes to the subject well:

SHL: Footages moving from original 479' FSL & 1059' FWL to 479' FSL & 1039' FWL
BHL: Footages moving from original 100' FNL & 2090' FWL to new 100' FNL & 2310' FWL
Production Casing: Depth being updated from 14,043' MD to 14,102' MD & casing grade changing from GBCD to Intrepid connection SP.

Please see attached updated C-102, directional survey & casing spec sheet to reflect these changes.

Spud Date: []

Rig Release Date: []

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Contract Regulatory Analyst DATE 2/12/2026

Type or print name Meghan Twele E-mail address: mtwele@outlook.com PHONE: 720-339-6880

For State Use Only

APPROVED BY: [] TITLE [] DATE []

Conditions of Approval (if any):

| | | |
|---|--|---|
| C-102 Submit Electronically Via OCD Permitting | State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION | Revised July 9, 2024 |
| | | Submittal Type: |
| | | <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled |

WELL LOCATION INFORMATION

| | | |
|--|---|--|
| API Number 30-025-55842 | Pool Code 37580 | Pool Name Lea; Bone Spring, South |
| Property Code 337745 | Property Name QUAIL 16 STATE COM | Well Number #203H |
| OGRID No. 332947 | Operator Name AVANT OPERATING II, LLC | Ground Level Elevation 3639' |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal | | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| M | 16 | 20 S | 34 E | | 479' FSL | 1039' FWL | 32.567224° | -103.570488° | LEA |

Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| C | 16 | 20 S | 34 E | | 100' FNL | 2090' FWL | 32.580122° | -103.567083° | LEA |

| | | | | |
|----------------------------------|--|--|---|--------------------------------|
| Dedicated Acres 320.00 | Infill or Defining Well Infill | Defining Well API 30-025-55840 | Overlapping Spacing Unit (Y/N) Yes | Consolidation Code C |
| Order Numbers. Pending | | | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| M | 16 | 20 S | 34 E | | 479' FSL | 1039' FWL | 32.567224° | -103.570488° | LEA |




First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| N | 16 | 20 S | 34 E | | 100' FSL | 2090' FWL | 32.566176° | -103.567075° | LEA |

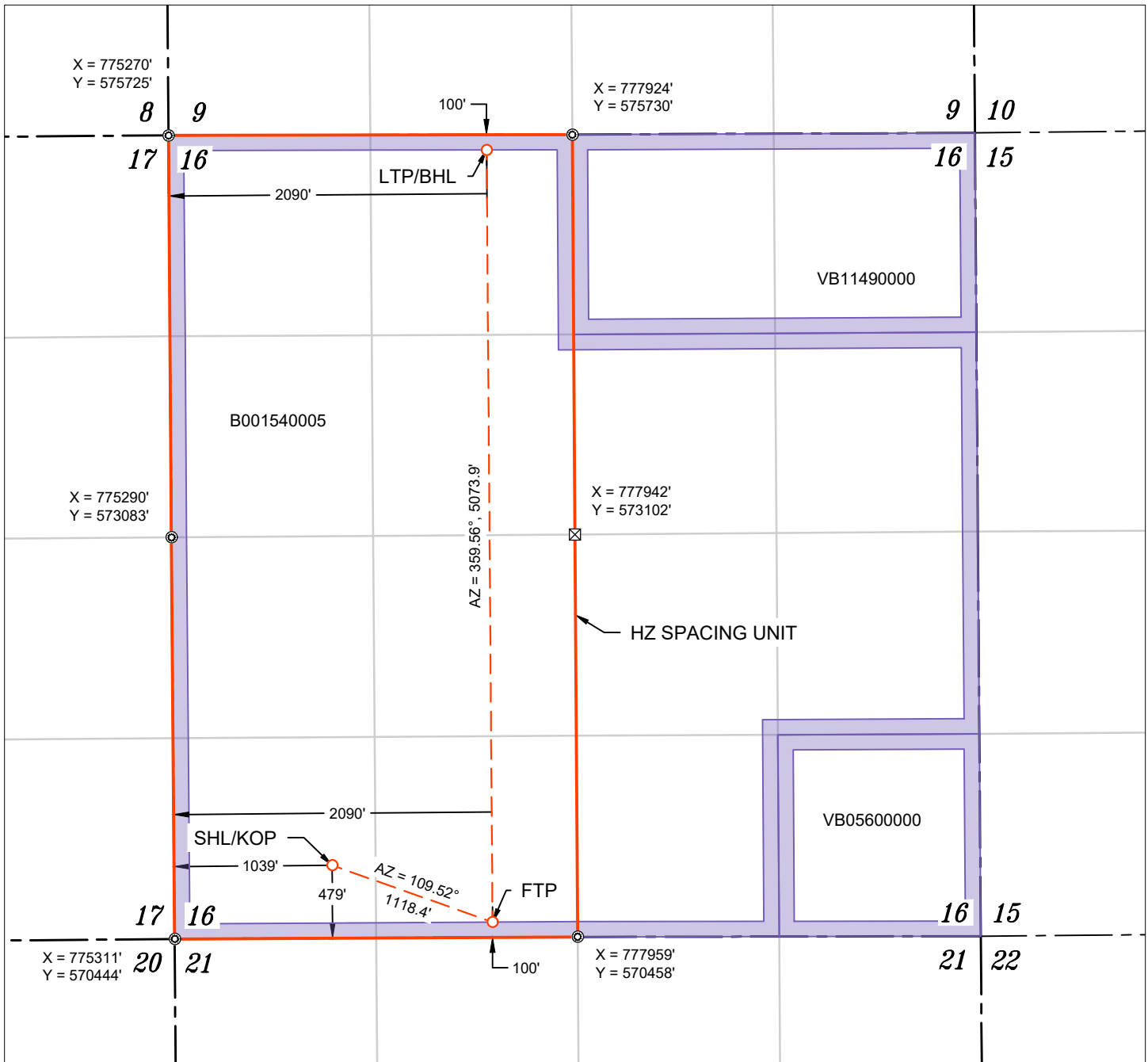
Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| C | 16 | 20 S | 34 E | | 100' FNL | 2090' FWL | 32.580122° | -103.567083° | LEA |

| | | |
|---|--|---|
| Unitized Area or Area of Uniform Interest Yes | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: 3639' |
|---|--|---|

| | |
|--|---|
| <p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p style="text-align: right;">  3/11/2026 </p> | <p>SURVEYOR CERTIFICATIONS</p> <p><i>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.</i></p> <p style="text-align: right;">  11 February 2026 </p> <div style="text-align: right;">  </div> |
| Signature | Signature and Seal of Professional Surveyor |
| Sarah Ferreyros | 21209 FEBRUARY 11, 2026 |
| Printed Name | Certificate Number |
| sarah@avantnr.com | Date of Survey |
| Email Address | |

Note: 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.



WELL NAME: QUAIL 16 STATE COM #203H
 ELEVATION: 3639'

| |
|--|
| NAD 83 (SHL/KOP) 479' FSL & 1039' FWL |
| LATITUDE = 32.567224° |
| LONGITUDE = -103.570488° |
| NAD 27 (SHL/KOP) |
| LATITUDE = 32.567104° |
| LONGITUDE = -103.569997° |
| STATE PLANE NAD 83 (N.M. EAST) |
| N: 570928.90' E: 776346.17' |
| STATE PLANE NAD 27 (N.M. EAST) |
| N: 570867.64' E: 735165.27' |

| |
|--|
| NAD 83 (FTP) 100' FSL & 2090' FWL |
| LATITUDE = 32.566176° |
| LONGITUDE = -103.567075° |
| NAD 27 (FTP) |
| LATITUDE = 32.566056° |
| LONGITUDE = -103.566584° |
| STATE PLANE NAD 83 (N.M. EAST) |
| N: 570555.27' E: 777400.34' |
| STATE PLANE NAD 27 (N.M. EAST) |
| N: 570494.02' E: 736219.40' |

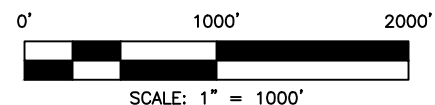
| |
|--|
| NAD 83 (LTP/BHL) 100' FNL & 2090' FWL |
| LATITUDE = 32.580122° |
| LONGITUDE = -103.567083° |
| NAD 27 (LTP/BHL) |
| LATITUDE = 32.580002° |
| LONGITUDE = -103.566592° |
| STATE PLANE NAD 83 (N.M. EAST) |
| N: 575628.98' E: 777361.13' |
| STATE PLANE NAD 27 (N.M. EAST) |
| N: 575567.63' E: 736180.37' |

| APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP | |
|--|-----------------|
| B001540005 | 5073.86' |
| TOTAL | 5073.86' |

- ⊙ FOUND MONUMENT
- ⊠ CALC. CORNER
- SHL/ KOP/ FTP / PPP/ LTP / BHL
- - - WELLBORE
- HORIZONTAL SPACING UNIT
- ▭ STATE OIL & GAS LEASE
- ▭ BLM OIL & GAS LEASE

NOTES

- ALL COORDINATES, BEARINGS, AND DISTANCES CONTAINED HEREIN ARE GRID, BASED UPON THE NEW MEXICO STATE PLANE COORDINATES SYSTEM, NORTH AMERICAN DATUM 83, NEW MEXICO EAST (3001).
- THIS DOCUMENT IS BASED UPON AN ON THE GROUND SURVEY PERFORMED DURING FEBRUARY, 2026. CERTIFICATION OF THIS DOCUMENT IS ONLY TO THE LOCATION OF THIS INFORMATION IN RELATION TO RECORDED MONUMENT OF DEEDS PROVIDED BY THE CLIENT.
- ELEVATIONS MSL, DERIVED FROM G.N.S.S. OBSERVATION AND DERIVED FROM SAID ON-THE-GROUND SURVEY.



Avant Operating II, LLC

Lea County, NM (NAD 83)

Quail 16 State Com Pad 1

Quail 16 State Com #203H

OH

Plan: Plan 0.1

Standard Planning Report

12 February, 2026

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Lea County, NM (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | New Mexico Eastern Zone | | |

| | | | | | |
|------------------------------|--------------------------|---------------------|-----------------|-------------------|-------------|
| Site | Quail 16 State Com Pad 1 | | | | |
| Site Position: | | Northing: | 571,105.87 usft | Latitude: | 32.567724 |
| From: | Map | Easting: | 775,635.79 usft | Longitude: | -103.572789 |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | | |

| | | | | | | |
|-----------------------------|--------------------------|----------|----------------------------|-----------------|----------------------|--------------|
| Well | Quail 16 State Com #203H | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 570,928.80 usft | Latitude: | 32.567224 |
| | +E/-W | 0.0 usft | Easting: | 776,346.01 usft | Longitude: | -103.570488 |
| Position Uncertainty | 0.0 usft | | Wellhead Elevation: | 3,637.0 usft | Ground Level: | 3,639.0 usft |
| Grid Convergence: | 0.41 ° | | | | | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 12/31/2009 | 7.77 | 60.56 | 48,998.50975280 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan 0.1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 359.56 |

| | | | | |
|---------------------------------|------------------------|--------------------------|---------------------|----------------|
| Plan Survey Tool Program | Date | 2/12/2026 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.0 | 14,102.2 Plan 0.1 (OH) | MWD | |
| | | | OWSG MWD - Standard | |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,450.0 | 5.00 | 108.41 | 2,449.7 | -3.4 | 10.3 | 2.00 | 2.00 | 0.00 | 108.41 | |
| 5,331.3 | 5.00 | 108.41 | 5,320.0 | -82.8 | 248.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,088.3 | 20.12 | 112.79 | 6,056.8 | -144.0 | 400.8 | 2.00 | 2.00 | 0.58 | 5.78 | |
| 7,640.8 | 20.12 | 112.79 | 7,514.5 | -350.9 | 893.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,646.8 | 0.00 | 0.00 | 8,500.0 | -418.6 | 1,054.4 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,710.3 | 0.00 | 0.00 | 8,563.5 | -418.6 | 1,054.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9,467.2 | 90.83 | 359.56 | 9,040.9 | 65.7 | 1,050.7 | 12.00 | 12.00 | -0.06 | 359.56 | |
| 14,102.2 | 90.83 | 359.56 | 8,974.0 | 4,700.2 | 1,015.2 | 0.00 | 0.00 | 0.00 | 0.00 | Quail 16 State Com # |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Planned Survey | | | | | | | | | |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,552.0 | 0.00 | 0.00 | 1,552.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| RUSTLER | | | | | | | | | |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,881.0 | 0.00 | 0.00 | 1,881.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| SOLADO | | | | | | | | | |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 0.00 | 0.00 | 2,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 0.00 | 0.00 | 2,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| KOP - Start Build 2.00 | | | | | | | | | |
| 2,300.0 | 2.00 | 108.41 | 2,300.0 | -0.6 | 1.7 | -0.6 | 2.00 | 2.00 | 0.00 |
| 2,400.0 | 4.00 | 108.41 | 2,399.8 | -2.2 | 6.6 | -2.3 | 2.00 | 2.00 | 0.00 |
| 2,450.0 | 5.00 | 108.41 | 2,449.7 | -3.4 | 10.3 | -3.5 | 2.00 | 2.00 | 0.00 |
| Start 2881.3 hold at 2450.0 MD | | | | | | | | | |
| 2,500.0 | 5.00 | 108.41 | 2,499.5 | -4.8 | 14.5 | -4.9 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 5.00 | 108.41 | 2,599.1 | -7.6 | 22.7 | -7.7 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 5.00 | 108.41 | 2,698.7 | -10.3 | 31.0 | -10.6 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 5.00 | 108.41 | 2,798.4 | -13.1 | 39.3 | -13.4 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 5.00 | 108.41 | 2,898.0 | -15.8 | 47.6 | -16.2 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 5.00 | 108.41 | 2,997.6 | -18.6 | 55.8 | -19.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 5.00 | 108.41 | 3,097.2 | -21.3 | 64.1 | -21.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 5.00 | 108.41 | 3,196.8 | -24.1 | 72.4 | -24.6 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 5.00 | 108.41 | 3,296.4 | -26.8 | 80.6 | -27.5 | 0.00 | 0.00 | 0.00 |
| 3,311.6 | 5.00 | 108.41 | 3,308.0 | -27.2 | 81.6 | -27.8 | 0.00 | 0.00 | 0.00 |
| BASE_OF_SALT | | | | | | | | | |
| 3,400.0 | 5.00 | 108.41 | 3,396.1 | -29.6 | 88.9 | -30.3 | 0.00 | 0.00 | 0.00 |
| 3,414.0 | 5.00 | 108.41 | 3,410.0 | -30.0 | 90.1 | -30.7 | 0.00 | 0.00 | 0.00 |
| YATES | | | | | | | | | |
| 3,500.0 | 5.00 | 108.41 | 3,495.7 | -32.3 | 97.2 | -33.1 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 5.00 | 108.41 | 3,595.3 | -35.1 | 105.4 | -35.9 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 5.00 | 108.41 | 3,694.9 | -37.8 | 113.7 | -38.7 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 5.00 | 108.41 | 3,794.5 | -40.6 | 122.0 | -41.5 | 0.00 | 0.00 | 0.00 |
| 3,849.6 | 5.00 | 108.41 | 3,844.0 | -42.0 | 126.1 | -42.9 | 0.00 | 0.00 | 0.00 |
| SVRV | | | | | | | | | |
| 3,900.0 | 5.00 | 108.41 | 3,894.2 | -43.4 | 130.3 | -44.4 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Planned Survey | | | | | | | | | | |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 4,000.0 | 5.00 | 108.41 | 3,993.8 | -46.1 | 138.5 | -47.2 | 0.00 | 0.00 | 0.00 | |
| 4,018.3 | 5.00 | 108.41 | 4,012.0 | -46.6 | 140.0 | -47.7 | 0.00 | 0.00 | 0.00 | |
| CAPITAN_REEF | | | | | | | | | | |
| 4,100.0 | 5.00 | 108.41 | 4,093.4 | -48.9 | 146.8 | -50.0 | 0.00 | 0.00 | 0.00 | |
| 4,200.0 | 5.00 | 108.41 | 4,193.0 | -51.6 | 155.1 | -52.8 | 0.00 | 0.00 | 0.00 | |
| 4,300.0 | 5.00 | 108.41 | 4,292.6 | -54.4 | 163.3 | -55.6 | 0.00 | 0.00 | 0.00 | |
| 4,400.0 | 5.00 | 108.41 | 4,392.3 | -57.1 | 171.6 | -58.4 | 0.00 | 0.00 | 0.00 | |
| 4,500.0 | 5.00 | 108.41 | 4,491.9 | -59.9 | 179.9 | -61.2 | 0.00 | 0.00 | 0.00 | |
| 4,600.0 | 5.00 | 108.41 | 4,591.5 | -62.6 | 188.1 | -64.1 | 0.00 | 0.00 | 0.00 | |
| 4,700.0 | 5.00 | 108.41 | 4,691.1 | -65.4 | 196.4 | -66.9 | 0.00 | 0.00 | 0.00 | |
| 4,800.0 | 5.00 | 108.41 | 4,790.7 | -68.1 | 204.7 | -69.7 | 0.00 | 0.00 | 0.00 | |
| 4,900.0 | 5.00 | 108.41 | 4,890.4 | -70.9 | 212.9 | -72.5 | 0.00 | 0.00 | 0.00 | |
| 5,000.0 | 5.00 | 108.41 | 4,990.0 | -73.6 | 221.2 | -75.3 | 0.00 | 0.00 | 0.00 | |
| 5,100.0 | 5.00 | 108.41 | 5,089.6 | -76.4 | 229.5 | -78.1 | 0.00 | 0.00 | 0.00 | |
| 5,200.0 | 5.00 | 108.41 | 5,189.2 | -79.1 | 237.8 | -81.0 | 0.00 | 0.00 | 0.00 | |
| 5,280.1 | 5.00 | 108.41 | 5,269.0 | -81.3 | 244.4 | -83.2 | 0.00 | 0.00 | 0.00 | |
| CPTN_REEF_BASE | | | | | | | | | | |
| 5,300.0 | 5.00 | 108.41 | 5,288.8 | -81.9 | 246.0 | -83.8 | 0.00 | 0.00 | 0.00 | |
| 5,331.3 | 5.00 | 108.41 | 5,320.0 | -82.8 | 248.6 | -84.7 | 0.00 | 0.00 | 0.00 | |
| Start DLS 2.00 TFO 5.78 | | | | | | | | | | |
| 5,400.0 | 6.37 | 109.66 | 5,388.4 | -85.0 | 255.0 | -86.9 | 2.00 | 1.99 | 1.81 | |
| 5,500.0 | 8.36 | 110.74 | 5,487.5 | -89.4 | 267.1 | -91.5 | 2.00 | 2.00 | 1.09 | |
| 5,572.4 | 9.81 | 111.26 | 5,559.0 | -93.5 | 277.7 | -95.6 | 2.00 | 2.00 | 0.71 | |
| CHERRY_CNYN | | | | | | | | | | |
| 5,600.0 | 10.36 | 111.41 | 5,586.2 | -95.3 | 282.2 | -97.4 | 2.00 | 2.00 | 0.57 | |
| 5,700.0 | 12.36 | 111.87 | 5,684.2 | -102.6 | 300.5 | -104.9 | 2.00 | 2.00 | 0.46 | |
| 5,800.0 | 14.36 | 112.20 | 5,781.5 | -111.2 | 322.0 | -113.7 | 2.00 | 2.00 | 0.33 | |
| 5,900.0 | 16.36 | 112.45 | 5,878.0 | -121.3 | 346.5 | -123.9 | 2.00 | 2.00 | 0.25 | |
| 6,000.0 | 18.36 | 112.65 | 5,973.4 | -132.7 | 374.0 | -135.6 | 2.00 | 2.00 | 0.20 | |
| 6,088.3 | 20.12 | 112.79 | 6,056.8 | -144.0 | 400.8 | -147.0 | 2.00 | 2.00 | 0.16 | |
| Start 1552.5 hold at 6088.3 MD | | | | | | | | | | |
| 6,100.0 | 20.12 | 112.79 | 6,067.8 | -145.5 | 404.6 | -148.6 | 0.00 | 0.00 | 0.00 | |
| 6,200.0 | 20.12 | 112.79 | 6,161.7 | -158.9 | 436.3 | -162.2 | 0.00 | 0.00 | 0.00 | |
| 6,300.0 | 20.12 | 112.79 | 6,255.5 | -172.2 | 468.0 | -175.8 | 0.00 | 0.00 | 0.00 | |
| 6,400.0 | 20.12 | 112.79 | 6,349.4 | -185.5 | 499.7 | -189.3 | 0.00 | 0.00 | 0.00 | |
| 6,500.0 | 20.12 | 112.79 | 6,443.3 | -198.8 | 531.4 | -202.9 | 0.00 | 0.00 | 0.00 | |
| 6,600.0 | 20.12 | 112.79 | 6,537.2 | -212.2 | 563.1 | -216.5 | 0.00 | 0.00 | 0.00 | |
| 6,688.1 | 20.12 | 112.79 | 6,620.0 | -223.9 | 591.1 | -228.4 | 0.00 | 0.00 | 0.00 | |
| BRUSHY_CANYON | | | | | | | | | | |
| 6,700.0 | 20.12 | 112.79 | 6,631.1 | -225.5 | 594.8 | -230.0 | 0.00 | 0.00 | 0.00 | |
| 6,800.0 | 20.12 | 112.79 | 6,725.0 | -238.8 | 626.6 | -243.6 | 0.00 | 0.00 | 0.00 | |
| 6,900.0 | 20.12 | 112.79 | 6,818.9 | -252.1 | 658.3 | -257.2 | 0.00 | 0.00 | 0.00 | |
| 7,000.0 | 20.12 | 112.79 | 6,912.8 | -265.5 | 690.0 | -270.8 | 0.00 | 0.00 | 0.00 | |
| 7,100.0 | 20.12 | 112.79 | 7,006.7 | -278.8 | 721.7 | -284.3 | 0.00 | 0.00 | 0.00 | |
| 7,200.0 | 20.12 | 112.79 | 7,100.6 | -292.1 | 753.4 | -297.9 | 0.00 | 0.00 | 0.00 | |
| 7,300.0 | 20.12 | 112.79 | 7,194.5 | -305.4 | 785.1 | -311.5 | 0.00 | 0.00 | 0.00 | |
| 7,400.0 | 20.12 | 112.79 | 7,288.4 | -318.8 | 816.8 | -325.0 | 0.00 | 0.00 | 0.00 | |
| 7,500.0 | 20.12 | 112.79 | 7,382.3 | -332.1 | 848.6 | -338.6 | 0.00 | 0.00 | 0.00 | |
| 7,600.0 | 20.12 | 112.79 | 7,476.2 | -345.4 | 880.3 | -352.2 | 0.00 | 0.00 | 0.00 | |
| 7,640.8 | 20.12 | 112.79 | 7,514.5 | -350.9 | 893.2 | -357.7 | 0.00 | 0.00 | 0.00 | |
| Start Drop -2.00 | | | | | | | | | | |
| 7,700.0 | 18.94 | 112.79 | 7,570.3 | -358.5 | 911.5 | -365.5 | 2.00 | -2.00 | 0.00 | |
| 7,800.0 | 16.94 | 112.79 | 7,665.4 | -370.5 | 939.8 | -377.7 | 2.00 | -2.00 | 0.00 | |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 7,900.0 | 14.94 | 112.79 | 7,761.6 | -381.1 | 965.2 | -388.5 | 2.00 | -2.00 | 0.00 |
| 8,000.0 | 12.94 | 112.79 | 7,858.6 | -390.4 | 987.4 | -398.0 | 2.00 | -2.00 | 0.00 |
| 8,100.0 | 10.94 | 112.79 | 7,956.5 | -398.4 | 1,006.4 | -406.2 | 2.00 | -2.00 | 0.00 |
| 8,200.0 | 8.94 | 112.79 | 8,055.0 | -405.1 | 1,022.3 | -413.0 | 2.00 | -2.00 | 0.00 |
| 8,300.0 | 6.94 | 112.79 | 8,154.0 | -410.5 | 1,035.1 | -418.4 | 2.00 | -2.00 | 0.00 |
| 8,400.0 | 4.94 | 112.79 | 8,253.5 | -414.5 | 1,044.6 | -422.5 | 2.00 | -2.00 | 0.00 |
| 8,500.0 | 2.94 | 112.79 | 8,353.2 | -417.1 | 1,050.9 | -425.2 | 2.00 | -2.00 | 0.00 |
| 8,503.8 | 2.86 | 112.79 | 8,357.0 | -417.2 | 1,051.1 | -425.3 | 2.00 | -2.00 | 0.00 |
| BSPG_LIME | | | | | | | | | |
| 8,600.0 | 0.94 | 112.79 | 8,453.2 | -418.5 | 1,054.0 | -426.5 | 2.00 | -2.00 | 0.00 |
| 8,646.8 | 0.00 | 0.00 | 8,500.0 | -418.6 | 1,054.4 | -426.7 | 2.00 | -2.00 | 0.00 |
| Start 63.5 hold at 8646.8 MD | | | | | | | | | |
| 8,700.0 | 0.00 | 0.00 | 8,553.2 | -418.6 | 1,054.4 | -426.7 | 0.00 | 0.00 | 0.00 |
| 8,710.3 | 0.00 | 0.00 | 8,563.5 | -418.6 | 1,054.4 | -426.7 | 0.00 | 0.00 | 0.00 |
| KOP #2 - Start DLS 12.00 TFO 359.56 | | | | | | | | | |
| 8,800.0 | 10.76 | 359.56 | 8,652.6 | -410.2 | 1,054.3 | -418.3 | 12.00 | 12.00 | 0.00 |
| 8,900.0 | 22.76 | 359.56 | 8,748.2 | -381.4 | 1,054.1 | -389.5 | 12.00 | 12.00 | 0.00 |
| 8,917.3 | 24.83 | 359.56 | 8,764.0 | -374.4 | 1,054.1 | -382.5 | 12.00 | 12.00 | 0.00 |
| AVALON_B | | | | | | | | | |
| 9,000.0 | 34.76 | 359.56 | 8,835.7 | -333.4 | 1,053.7 | -341.5 | 12.00 | 12.00 | 0.00 |
| 9,071.8 | 43.38 | 359.56 | 8,891.4 | -288.2 | 1,053.4 | -296.2 | 12.00 | 12.00 | 0.00 |
| Quail 16 State Com #203H FTP | | | | | | | | | |
| 9,100.0 | 46.76 | 359.56 | 8,911.3 | -268.2 | 1,053.2 | -276.3 | 12.00 | 12.00 | 0.00 |
| 9,200.0 | 58.76 | 359.56 | 8,971.7 | -188.7 | 1,052.6 | -196.8 | 12.00 | 12.00 | 0.00 |
| 9,300.0 | 70.76 | 359.56 | 9,014.3 | -98.5 | 1,051.9 | -106.5 | 12.00 | 12.00 | 0.00 |
| 9,400.0 | 82.76 | 359.56 | 9,037.1 | -1.3 | 1,051.2 | -9.4 | 12.00 | 12.00 | 0.00 |
| 9,467.2 | 90.83 | 359.56 | 9,040.9 | 65.7 | 1,050.7 | 57.7 | 12.00 | 12.00 | 0.00 |
| LP - Start 4635.0 hold at 9467.2 MD | | | | | | | | | |
| 9,500.0 | 90.83 | 359.56 | 9,040.4 | 98.5 | 1,050.4 | 90.5 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.83 | 359.56 | 9,039.0 | 198.5 | 1,049.7 | 190.5 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.83 | 359.56 | 9,037.5 | 298.5 | 1,048.9 | 290.5 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.83 | 359.56 | 9,036.1 | 398.5 | 1,048.1 | 390.4 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.83 | 359.56 | 9,034.6 | 498.5 | 1,047.4 | 490.4 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.83 | 359.56 | 9,033.2 | 598.5 | 1,046.6 | 590.4 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.83 | 359.56 | 9,031.7 | 698.5 | 1,045.8 | 690.4 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.83 | 359.56 | 9,030.3 | 798.5 | 1,045.1 | 790.4 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.83 | 359.56 | 9,028.9 | 898.4 | 1,044.3 | 890.4 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.83 | 359.56 | 9,027.4 | 998.4 | 1,043.6 | 990.4 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.83 | 359.56 | 9,026.0 | 1,098.4 | 1,042.8 | 1,090.4 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.83 | 359.56 | 9,024.5 | 1,198.4 | 1,042.0 | 1,190.4 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.83 | 359.56 | 9,023.1 | 1,298.4 | 1,041.3 | 1,290.4 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.83 | 359.56 | 9,021.6 | 1,398.4 | 1,040.5 | 1,390.3 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.83 | 359.56 | 9,020.2 | 1,498.4 | 1,039.7 | 1,490.3 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.83 | 359.56 | 9,018.8 | 1,598.3 | 1,039.0 | 1,590.3 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.83 | 359.56 | 9,017.3 | 1,698.3 | 1,038.2 | 1,690.3 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.83 | 359.56 | 9,015.9 | 1,798.3 | 1,037.4 | 1,790.3 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.83 | 359.56 | 9,014.4 | 1,898.3 | 1,036.7 | 1,890.3 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.83 | 359.56 | 9,013.0 | 1,998.3 | 1,035.9 | 1,990.3 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.83 | 359.56 | 9,011.5 | 2,098.3 | 1,035.1 | 2,090.3 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.83 | 359.56 | 9,010.1 | 2,198.3 | 1,034.4 | 2,190.3 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.83 | 359.56 | 9,008.7 | 2,298.3 | 1,033.6 | 2,290.2 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.83 | 359.56 | 9,007.2 | 2,398.2 | 1,032.8 | 2,390.2 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.83 | 359.56 | 9,005.8 | 2,498.2 | 1,032.1 | 2,490.2 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Planned Survey | | | | | | | | | | |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 12,000.0 | 90.83 | 359.56 | 9,004.3 | 2,598.2 | 1,031.3 | 2,590.2 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 90.83 | 359.56 | 9,002.9 | 2,698.2 | 1,030.5 | 2,690.2 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 90.83 | 359.56 | 9,001.4 | 2,798.2 | 1,029.8 | 2,790.2 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 90.83 | 359.56 | 9,000.0 | 2,898.2 | 1,029.0 | 2,890.2 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 90.83 | 359.56 | 8,998.6 | 2,998.2 | 1,028.2 | 2,990.2 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 90.83 | 359.56 | 8,997.1 | 3,098.1 | 1,027.5 | 3,090.2 | 0.00 | 0.00 | 0.00 | |
| 12,600.0 | 90.83 | 359.56 | 8,995.7 | 3,198.1 | 1,026.7 | 3,190.2 | 0.00 | 0.00 | 0.00 | |
| 12,700.0 | 90.83 | 359.56 | 8,994.2 | 3,298.1 | 1,025.9 | 3,290.1 | 0.00 | 0.00 | 0.00 | |
| 12,800.0 | 90.83 | 359.56 | 8,992.8 | 3,398.1 | 1,025.2 | 3,390.1 | 0.00 | 0.00 | 0.00 | |
| 12,900.0 | 90.83 | 359.56 | 8,991.3 | 3,498.1 | 1,024.4 | 3,490.1 | 0.00 | 0.00 | 0.00 | |
| 13,000.0 | 90.83 | 359.56 | 8,989.9 | 3,598.1 | 1,023.6 | 3,590.1 | 0.00 | 0.00 | 0.00 | |
| 13,100.0 | 90.83 | 359.56 | 8,988.5 | 3,698.1 | 1,022.9 | 3,690.1 | 0.00 | 0.00 | 0.00 | |
| 13,200.0 | 90.83 | 359.56 | 8,987.0 | 3,798.1 | 1,022.1 | 3,790.1 | 0.00 | 0.00 | 0.00 | |
| 13,300.0 | 90.83 | 359.56 | 8,985.6 | 3,898.0 | 1,021.4 | 3,890.1 | 0.00 | 0.00 | 0.00 | |
| 13,400.0 | 90.83 | 359.56 | 8,984.1 | 3,998.0 | 1,020.6 | 3,990.1 | 0.00 | 0.00 | 0.00 | |
| 13,500.0 | 90.83 | 359.56 | 8,982.7 | 4,098.0 | 1,019.8 | 4,090.1 | 0.00 | 0.00 | 0.00 | |
| 13,600.0 | 90.83 | 359.56 | 8,981.2 | 4,198.0 | 1,019.1 | 4,190.0 | 0.00 | 0.00 | 0.00 | |
| 13,700.0 | 90.83 | 359.56 | 8,979.8 | 4,298.0 | 1,018.3 | 4,290.0 | 0.00 | 0.00 | 0.00 | |
| 13,800.0 | 90.83 | 359.56 | 8,978.4 | 4,398.0 | 1,017.5 | 4,390.0 | 0.00 | 0.00 | 0.00 | |
| 13,900.0 | 90.83 | 359.56 | 8,976.9 | 4,498.0 | 1,016.8 | 4,490.0 | 0.00 | 0.00 | 0.00 | |
| 14,000.0 | 90.83 | 359.56 | 8,975.5 | 4,597.9 | 1,016.0 | 4,590.0 | 0.00 | 0.00 | 0.00 | |
| 14,100.0 | 90.83 | 359.56 | 8,974.0 | 4,697.9 | 1,015.2 | 4,690.0 | 0.00 | 0.00 | 0.00 | |
| 14,102.2 | 90.83 | 359.56 | 8,974.0 | 4,700.2 | 1,015.2 | 4,692.2 | 0.00 | 0.00 | 0.00 | |
| TD at 14102.2 - Quail 16 State Com #203H LTP/BHL | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| Quail 16 State Com #20: - hit/miss target - Shape - Point | 0.00 | 0.00 | 8,965.0 | -373.6 | 1,054.2 | 570,555.22 | 777,400.22 | 32.566176 | -103.567075 | - plan misses target center by 112.7usft at 9071.8usft MD (8891.4 TVD, -288.2 N, 1053.4 E) |
| Quail 16 State Com #20: - plan hits target center - Point | 0.00 | 0.00 | 8,974.0 | 4,700.2 | 1,015.2 | 575,628.97 | 777,361.22 | 32.580122 | -103.567083 | |

| Casing Points | | | | | |
|-----------------------|-----------------------|------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 14,109.8 | | 20" Casing | 20 | 24 | |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well Quail 16 State Com #203H |
| Company: | Avant Operating II, LLC | TVD Reference: | WELL @ 3665.5usft (3665.5) |
| Project: | Lea County, NM (NAD 83) | MD Reference: | WELL @ 3665.5usft (3665.5) |
| Site: | Quail 16 State Com Pad 1 | North Reference: | Grid |
| Well: | Quail 16 State Com #203H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 0.1 | | |

| Formations | | | | | |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 1,552.0 | 1,552.0 | RUSTLER | | | |
| 1,881.0 | 1,881.0 | SOLADO | | | |
| 3,311.6 | 3,308.0 | BASE_OF_SALT | | | |
| 3,414.0 | 3,410.0 | YATES | | | |
| 3,849.6 | 3,844.0 | SVRV | | | |
| 4,018.3 | 4,012.0 | CAPITAN_REEF | | | |
| 5,280.1 | 5,269.0 | CPTN_REEF_BASE | | | |
| 5,572.4 | 5,559.0 | CHERRY_CNYN | | | |
| 6,688.1 | 6,620.0 | BRUSHY_CANYON | | | |
| 8,503.8 | 8,357.0 | BSPG_LIME | | | |
| 8,917.3 | 8,764.0 | AVALON_B | | | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|-------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 2,200.0 | 2,200.0 | 0.0 | 0.0 | KOP - Start Build 2.00 |
| 2,450.0 | 2,449.7 | -3.4 | 10.3 | Start 2881.3 hold at 2450.0 MD |
| 5,331.3 | 5,320.0 | -82.8 | 248.6 | Start DLS 2.00 TFO 5.78 |
| 6,088.3 | 6,056.8 | -144.0 | 400.8 | Start 1552.5 hold at 6088.3 MD |
| 7,640.8 | 7,514.5 | -350.9 | 893.2 | Start Drop -2.00 |
| 8,646.8 | 8,500.0 | -418.6 | 1,054.4 | Start 63.5 hold at 8646.8 MD |
| 8,710.3 | 8,563.5 | -418.6 | 1,054.4 | KOP #2 - Start DLS 12.00 TFO 359.56 |
| 9,467.2 | 9,040.9 | 65.7 | 1,050.7 | LP - Start 4635.0 hold at 9467.2 MD |
| 14,102.2 | 8,974.0 | 4,700.2 | 1,015.2 | TD at 14102.2 |

Performance Data Sheet

Issued on: 01.09.2023



| OD Label | LM Label | Grade | Connection |
|----------|----------|--------|--------------|
| 5 1/2 | 20.00 | P110HC | INTREPID-SP® |

PIPE BODY PROPERTIES

| Nominal OD | Nominal ID | Nominal WT | Nominal LM |
|-------------------------|-------------------------|-----------------------|-------------------------|
| 5.500 inch 139,70 mm | 4.778 inch 121,36 mm | 0.361 inch 9,17 mm | 20.00 ppf 29,76 kg/m |
| Standard Drift | Minimal YS | Maximal YS | Minimal UTS |
| 4.653 inch 118,19 mm | 110 ksi 758 MPa | 140 ksi 965 MPa | 125 ksi 862 MPa |

CONNECTION PROPERTIES & PERFORMANCES

| Name | Type | Coupling OD | Connection ID |
|------------------------------------|------------------------------------|---------------------------------|----------------------------|
| INTREPID-SP® | Semi-Premium T&C | 6.300 inch 160,02 mm | 4.778 inch 121,36 mm |
| Coupling length | Tension efficiency | Compression Efficiency | Make-up loss |
| 9.449 inch 240,00 mm | 641 klb 2 850 kN 100 % PB | 641 klb 2 850 kN 100 % PB | 4.126 inch 104,80 mm |
| Burst | Collapse | Max. Bending | Max. Load on Coupling Face |
| 12 640 Psi 87,1 MPa 100 % PB | 12 200 Psi 84,1 MPa 100 % PB | 46 °/100 ft 46 °/30 m | 583 klb 2 591 kN |

FIELD TORQUE VALUES

| | [ft-lb] | [N·m] | | [ft-lb] | [N·m] |
|---------------------|---------|--------|--------------------|---------|--------|
| Min. Make-Up Torque | 12 400 | 16 800 | Operational Torque | 21 500 | 29 150 |
| Opt. Make-Up Torque | 13 800 | 18 700 | | | |
| Max. Make-Up Torque | 15 200 | 20 600 | Yield Torque | 23 900 | 32 400 |

The Performance Data Sheet contains general information that is correct at the time of issue. In the interests of continuous development, the Interpipe company reserves the right to change the format and contents of the Data Sheet at any time without warning and without incurring any obligations. For any questions regarding mentioned data, please mail to Yuriy.Kuratsapov@m.interpipe.biz

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<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 553684

CONDITIONS

| | |
|---|--|
| Operator: Avant Operating II, LLC 1515 Wynkoop Street Denver, CO 80202 | OGRID: 332947 |
| | Action Number: 553684 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|---|----------------|
| matthew.gomez | Administrative order required for non-standard spacing unit prior to production. | 3/11/2026 |
| matthew.gomez | If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence. | 3/11/2026 |
| matthew.gomez | All conducted logs must be submitted to the OCD. | 3/11/2026 |
| matthew.gomez | Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well. | 3/11/2026 |
| matthew.gomez | All previous COA's not addressed within the updated COA's still apply. | 3/11/2026 |