



ConocoPhillips

Arapahoe County, Colorado

Arkansas 4-64 3-2 3CH

Design A

Casing Depths

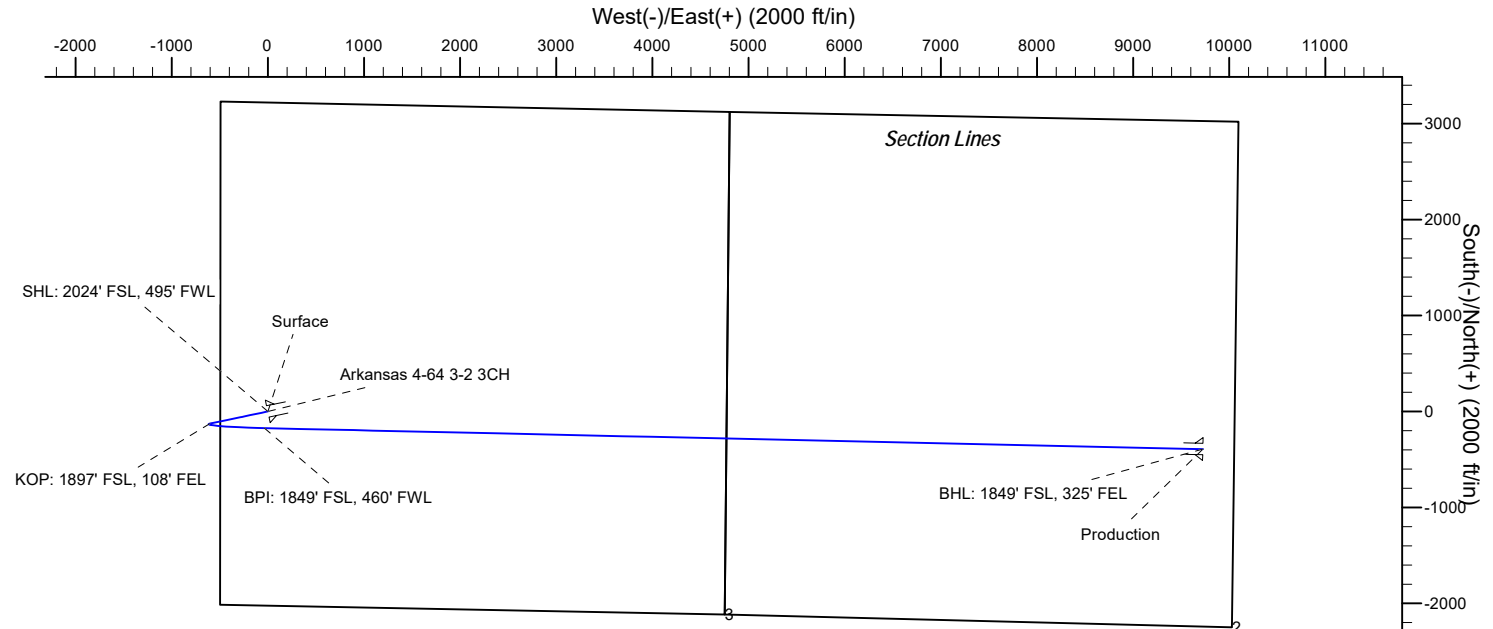
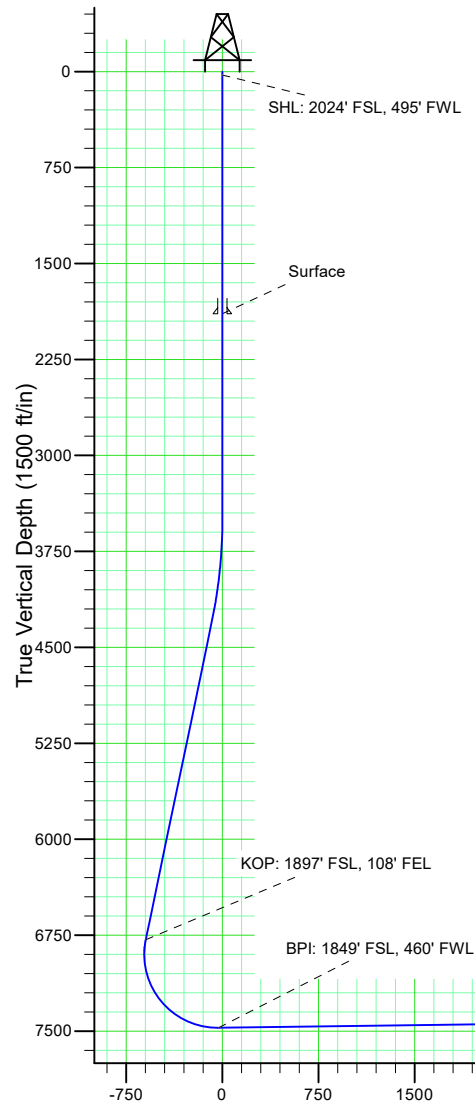
| TVD | MD | Name | Size |
|---------|----------|------------|-------|
| 1893.00 | 1893.00 | Surface | 9-5/8 |
| 7342.00 | 17639.17 | Production | 5-1/2 |

Ground Level: 5609.90
Surface Location Latitude: 39° 43' 47.938 N
Surface Location Longitude: 104° 32' 38.658 W
North Reference: True
27' RKB @ 5636.90ft (27' RKB)

North American Datum 1983
GRS 1980
US State Plane 1983
Colorado Central Zone

Well Profile Data

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | VSect |
|----------|-------|--------|---------|---------|---------|-------|---------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3500.00 | 0.00 | 0.00 | 3500.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4304.98 | 12.07 | 258.10 | 4299.04 | -17.42 | -82.69 | 1.50 | -81.92 |
| 6847.44 | 12.07 | 258.10 | 6785.24 | -127.08 | -603.11 | 0.00 | -597.50 |
| 7872.69 | 90.77 | 91.28 | 7474.00 | -173.89 | -35.34 | 10.00 | -28.30 |
| 17639.17 | 90.77 | 91.28 | 7342.00 | -392.62 | 9727.80 | 0.00 | 9735.72 |



Wellbore Targets

| Name | TVD | Latitude | Longitude |
|---------------------------|---------|------------------|-------------------|
| Arkansas 4-64 3-2 3CH BHL | 7342.00 | 39° 43' 44.040 N | 104° 30' 34.150 W |
| Arkansas 4-64 3-2 3CH BPI | 7474.00 | 39° 43' 46.220 N | 104° 32' 39.110 W |

ConocoPhillips RBU Gold Data

Niobrara Central Zone

Arkansas

Arkansas 4-64 3-2 3CH

Arkansas 4-64 3-2 3CH

Plan: Design A

Standard Planning Report

13 December, 2017

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| | | | |
|--------------------|---|----------------------|-----------------------------|
| Project | Niobrara Central Zone, Colorado Central Zone, FIPS Zone: 0502 | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | Using geodetic scale factor |

| | | | | | |
|-----------------------|----------|--------------|--------------------|-------------------|-------------------|
| Site | Arkansas | | | | |
| Site Position: | | Northing: | 1,695,413.984 usft | Latitude: | 39° 44' 19.849 N |
| From: | Lat/Long | Easting: | 3,268,336.863 usft | Longitude: | 104° 32' 44.941 W |
| Position Uncertainty: | 2.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.60 ° |

| Well | Arkansas 4-64 3-2 3CH | | | | | |
|----------------------|-----------------------|--------------|---------------------|--------------------|---------------|-------------------|
| Well Position | +N/-S | -3,228.91 ft | Northing: | 1,692,190.420 usft | Latitude: | 39° 43' 47.938 N |
| | +E/-W | 490.92 ft | Easting: | 3,268,861.670 usft | Longitude: | 104° 32' 38.658 W |
| Position Uncertainty | | 2.00 ft | Wellhead Elevation: | | Ground Level: | 5,609.90 ft |

| | | | | | | |
|------------------|-----------------------|--------------------|------------------------|----------------------|----------------------------|--|
| Wellbore | Arkansas 4-64 3-2 3CH | | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) | |
| | BGGM2017 | 10/3/2017 | 8.19 | 66.39 | 52,017.52735235 | |
| | BGGM2017 | 1/1/2018 | 8.17 | 66.38 | 51,988.66295645 | |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | Design A | | | | |
| Audit Notes: | | | | | |
| Version: | 0 | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 92.31 | |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| Plan Survey Tool Program | | Date 12/13/2017 | | | |
|--------------------------|---------------|-------------------|----------------------------------|--------------------------|--|
| Depth From (ft) | Depth To (ft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 1,893.00 | Design A (Arkansas 4-64 3-2 3CH) | Gyro-BM-MS | |
| | | | | Gyro - bat/mem drop m/s | |
| 2 | 1,893.00 | 3,500.00 | Design A (Arkansas 4-64 3-2 3CH) | MWD+IFR_No SAG | |
| | | | | MWD + IFR (No SAG) corre | |
| 3 | 3,500.00 | 4,304.98 | Design A (Arkansas 4-64 3-2 3CH) | MWD+IFR_No SAG | |
| | | | | MWD + IFR (No SAG) corre | |
| 4 | 4,304.98 | 6,847.44 | Design A (Arkansas 4-64 3-2 3CH) | MWD+IFR_No SAG | |
| | | | | MWD + IFR (No SAG) corre | |
| 5 | 6,847.44 | 7,872.69 | Design A (Arkansas 4-64 3-2 3CH) | MWD+IFR_No SAG | |
| | | | | MWD + IFR (No SAG) corre | |
| 6 | 7,872.69 | 17,639.17 | Design A (Arkansas 4-64 3-2 3CH) | MWD+IFR_No SAG | |
| | | | | MWD + IFR (No SAG) corre | |

| Plan Sections | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,500.00 | 0.00 | 0.00 | 3,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,304.98 | 12.07 | 258.10 | 4,299.04 | -17.42 | -82.69 | 1.50 | 1.50 | 0.00 | 258.10 | |
| 6,847.44 | 12.07 | 258.10 | 6,785.24 | -127.08 | -603.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,872.69 | 90.77 | 91.28 | 7,474.00 | -173.89 | -35.34 | 10.00 | 7.68 | -16.27 | -166.49 | Arkansas 4-64 3-2 ; |
| 17,639.17 | 90.77 | 91.28 | 7,342.00 | -392.62 | 9,727.80 | 0.00 | 0.00 | 0.00 | 0.00 | Arkansas 4-64 3-2 ; |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SHL: 2024' FSL, 495' FWL | | | | | | | | | |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,561.00 | 0.00 | 0.00 | 1,561.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fox Hills Top | | | | | | | | | |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,693.00 | 0.00 | 0.00 | 1,693.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fox Hills Base | | | | | | | | | |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,893.00 | 0.00 | 0.00 | 1,893.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surface Casing - Surface | | | | | | | | | |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 3,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.00 | 0.00 | 3,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 0.00 | 0.00 | 3,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 0.00 | 0.00 | 3,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 1.50 | 258.10 | 3,599.99 | -0.27 | -1.28 | -1.27 | 1.50 | 1.50 | 0.00 |
| 3,700.00 | 3.00 | 258.10 | 3,699.91 | -1.08 | -5.12 | -5.07 | 1.50 | 1.50 | 0.00 |
| 3,800.00 | 4.50 | 258.10 | 3,799.69 | -2.43 | -11.52 | -11.41 | 1.50 | 1.50 | 0.00 |
| 3,900.00 | 6.00 | 258.10 | 3,899.27 | -4.31 | -20.48 | -20.28 | 1.50 | 1.50 | 0.00 |
| 4,000.00 | 7.50 | 258.10 | 3,998.57 | -6.74 | -31.98 | -31.68 | 1.50 | 1.50 | 0.00 |
| 4,100.00 | 9.00 | 258.10 | 4,097.54 | -9.70 | -46.02 | -45.59 | 1.50 | 1.50 | 0.00 |
| 4,200.00 | 10.50 | 258.10 | 4,196.09 | -13.19 | -62.59 | -62.00 | 1.50 | 1.50 | 0.00 |
| 4,304.98 | 12.07 | 258.10 | 4,299.04 | -17.42 | -82.69 | -81.92 | 1.50 | 1.50 | 0.00 |
| 4,400.00 | 12.07 | 258.10 | 4,391.95 | -21.52 | -102.14 | -101.19 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 12.07 | 258.10 | 4,489.74 | -25.84 | -122.61 | -121.47 | 0.00 | 0.00 | 0.00 |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,600.00 | 12.07 | 258.10 | 4,587.53 | -30.15 | -143.08 | -141.75 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 12.07 | 258.10 | 4,685.32 | -34.46 | -163.55 | -162.03 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 12.07 | 258.10 | 4,783.10 | -38.78 | -184.02 | -182.31 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 12.07 | 258.10 | 4,880.89 | -43.09 | -204.49 | -202.59 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 12.07 | 258.10 | 4,978.68 | -47.40 | -224.96 | -222.86 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 12.07 | 258.10 | 5,076.47 | -51.71 | -245.43 | -243.14 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 12.07 | 258.10 | 5,174.25 | -56.03 | -265.90 | -263.42 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 12.07 | 258.10 | 5,272.04 | -60.34 | -286.37 | -283.70 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 12.07 | 258.10 | 5,369.83 | -64.65 | -306.84 | -303.98 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 12.07 | 258.10 | 5,467.62 | -68.97 | -327.30 | -324.26 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 12.07 | 258.10 | 5,565.40 | -73.28 | -347.77 | -344.54 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 12.07 | 258.10 | 5,663.19 | -77.59 | -368.24 | -364.81 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 12.07 | 258.10 | 5,760.98 | -81.91 | -388.71 | -385.09 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 12.07 | 258.10 | 5,858.77 | -86.22 | -409.18 | -405.37 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 12.07 | 258.10 | 5,956.55 | -90.53 | -429.65 | -425.65 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 12.07 | 258.10 | 6,054.34 | -94.85 | -450.12 | -445.93 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 12.07 | 258.10 | 6,152.13 | -99.16 | -470.59 | -466.21 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 12.07 | 258.10 | 6,249.92 | -103.47 | -491.06 | -486.49 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 12.07 | 258.10 | 6,347.70 | -107.79 | -511.53 | -506.77 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 12.07 | 258.10 | 6,445.49 | -112.10 | -532.00 | -527.04 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 12.07 | 258.10 | 6,543.28 | -116.41 | -552.47 | -547.32 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 12.07 | 258.10 | 6,641.07 | -120.73 | -572.94 | -567.60 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 12.07 | 258.10 | 6,738.85 | -125.04 | -593.41 | -587.88 | 0.00 | 0.00 | 0.00 |
| 6,847.44 | 12.07 | 258.10 | 6,785.24 | -127.08 | -603.12 | -597.50 | 0.00 | 0.00 | 0.00 |
| KOP: 1897' FSL, 108' FEL | | | | | | | | | |
| 6,850.00 | 11.83 | 257.81 | 6,787.75 | -127.20 | -603.63 | -598.01 | 10.02 | -9.74 | -11.42 |
| 6,900.00 | 7.07 | 248.09 | 6,837.06 | -129.43 | -611.50 | -605.78 | 10.00 | -9.51 | -19.44 |
| 6,950.00 | 3.17 | 209.41 | 6,886.86 | -131.78 | -615.04 | -609.22 | 10.00 | -7.79 | -77.36 |
| 7,000.00 | 4.49 | 129.89 | 6,936.78 | -134.24 | -614.22 | -608.30 | 10.00 | 2.63 | -159.02 |
| 7,050.00 | 8.95 | 109.41 | 6,986.43 | -136.79 | -609.04 | -603.03 | 10.00 | 8.93 | -40.96 |
| 7,100.00 | 13.79 | 102.82 | 7,035.44 | -139.41 | -599.56 | -593.45 | 10.00 | 9.67 | -13.19 |
| 7,150.00 | 18.71 | 99.63 | 7,083.42 | -142.08 | -585.83 | -579.63 | 10.00 | 9.84 | -6.39 |
| 7,200.00 | 23.66 | 97.73 | 7,130.03 | -144.77 | -567.97 | -561.67 | 10.00 | 9.91 | -3.79 |
| 7,250.00 | 28.63 | 96.46 | 7,174.90 | -147.47 | -546.11 | -539.72 | 10.00 | 9.94 | -2.54 |
| 7,300.00 | 33.61 | 95.54 | 7,217.69 | -150.16 | -520.42 | -513.94 | 10.00 | 9.95 | -1.84 |
| 7,350.00 | 38.59 | 94.84 | 7,258.08 | -152.81 | -491.09 | -484.53 | 10.00 | 9.97 | -1.41 |
| 7,400.00 | 43.58 | 94.27 | 7,295.75 | -155.41 | -458.34 | -451.70 | 10.00 | 9.97 | -1.13 |
| 7,450.00 | 48.57 | 93.80 | 7,330.43 | -157.93 | -422.43 | -415.72 | 10.00 | 9.98 | -0.94 |
| 7,450.86 | 48.65 | 93.79 | 7,331.00 | -157.98 | -421.79 | -415.07 | 10.00 | 9.98 | -0.87 |
| Niobrara Top | | | | | | | | | |
| 7,500.00 | 53.56 | 93.39 | 7,361.84 | -160.37 | -383.63 | -376.85 | 10.00 | 9.98 | -0.81 |
| 7,550.00 | 58.55 | 93.04 | 7,389.76 | -162.69 | -342.23 | -335.39 | 10.00 | 9.98 | -0.71 |
| 7,600.00 | 63.54 | 92.72 | 7,413.95 | -164.88 | -298.55 | -291.66 | 10.00 | 9.98 | -0.64 |
| 7,650.00 | 68.53 | 92.42 | 7,434.26 | -166.93 | -252.92 | -245.98 | 10.00 | 9.99 | -0.59 |
| 7,700.00 | 73.53 | 92.15 | 7,450.50 | -168.81 | -205.69 | -198.71 | 10.00 | 9.99 | -0.55 |
| 7,750.00 | 78.52 | 91.89 | 7,462.58 | -170.52 | -157.21 | -150.21 | 10.00 | 9.99 | -0.52 |
| 7,757.39 | 79.26 | 91.85 | 7,464.00 | -170.76 | -149.97 | -142.96 | 10.00 | 9.99 | -0.51 |
| C Chalk Top | | | | | | | | | |
| 7,800.00 | 83.51 | 91.64 | 7,470.38 | -172.04 | -107.87 | -100.84 | 10.00 | 9.99 | -0.50 |
| 7,850.00 | 88.51 | 91.39 | 7,473.86 | -173.36 | -58.02 | -50.98 | 10.00 | 9.99 | -0.49 |
| 7,872.69 | 90.77 | 91.28 | 7,474.00 | -173.89 | -35.34 | -28.30 | 10.00 | 9.99 | -0.49 |
| BPI: 1849' FSL, 460' FWL - Arkansas 4-64 3-2 3CH BPI | | | | | | | | | |
| 7,900.00 | 90.77 | 91.28 | 7,473.63 | -174.50 | -8.04 | -0.99 | 0.00 | 0.00 | 0.00 |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 8,000.00 | 90.77 | 91.28 | 7,472.28 | -176.74 | 91.93 | 98.98 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.77 | 91.28 | 7,470.93 | -178.98 | 191.89 | 198.96 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.77 | 91.28 | 7,469.58 | -181.22 | 291.86 | 298.93 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.77 | 91.28 | 7,468.22 | -183.46 | 391.83 | 398.91 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.77 | 91.28 | 7,466.87 | -185.70 | 491.79 | 498.88 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.77 | 91.28 | 7,465.52 | -187.94 | 591.76 | 598.85 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.77 | 91.28 | 7,464.17 | -190.18 | 691.72 | 698.83 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.77 | 91.28 | 7,462.82 | -192.42 | 791.69 | 798.80 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.77 | 91.28 | 7,461.47 | -194.67 | 891.65 | 898.78 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.77 | 91.28 | 7,460.12 | -196.91 | 991.62 | 998.75 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.77 | 91.28 | 7,458.76 | -199.15 | 1,091.59 | 1,098.73 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.77 | 91.28 | 7,457.41 | -201.39 | 1,191.55 | 1,198.70 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.77 | 91.28 | 7,456.06 | -203.63 | 1,291.52 | 1,298.68 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.77 | 91.28 | 7,454.71 | -205.87 | 1,391.48 | 1,398.65 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.77 | 91.28 | 7,453.36 | -208.11 | 1,491.45 | 1,498.63 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.77 | 91.28 | 7,452.01 | -210.35 | 1,591.41 | 1,598.60 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.77 | 91.28 | 7,450.65 | -212.59 | 1,691.38 | 1,698.58 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.77 | 91.28 | 7,449.30 | -214.83 | 1,791.35 | 1,798.55 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.77 | 91.28 | 7,447.95 | -217.07 | 1,891.31 | 1,898.53 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.77 | 91.28 | 7,446.60 | -219.31 | 1,991.28 | 1,998.50 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.77 | 91.28 | 7,445.25 | -221.55 | 2,091.24 | 2,098.48 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.77 | 91.28 | 7,443.90 | -223.79 | 2,191.21 | 2,198.45 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.77 | 91.28 | 7,442.55 | -226.03 | 2,291.17 | 2,298.43 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.77 | 91.28 | 7,441.19 | -228.27 | 2,391.14 | 2,398.40 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.77 | 91.28 | 7,439.84 | -230.51 | 2,491.11 | 2,498.38 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.77 | 91.28 | 7,438.49 | -232.75 | 2,591.07 | 2,598.35 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.77 | 91.28 | 7,437.14 | -234.99 | 2,691.04 | 2,698.33 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.77 | 91.28 | 7,435.79 | -237.23 | 2,791.00 | 2,798.30 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.77 | 91.28 | 7,434.44 | -239.47 | 2,890.97 | 2,898.28 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.77 | 91.28 | 7,433.08 | -241.71 | 2,990.94 | 2,998.25 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.77 | 91.28 | 7,431.73 | -243.95 | 3,090.90 | 3,098.22 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.77 | 91.28 | 7,430.38 | -246.19 | 3,190.87 | 3,198.20 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.77 | 91.28 | 7,429.03 | -248.43 | 3,290.83 | 3,298.17 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.77 | 91.28 | 7,427.68 | -250.67 | 3,390.80 | 3,398.15 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.77 | 91.28 | 7,426.33 | -252.91 | 3,490.76 | 3,498.12 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.77 | 91.28 | 7,424.97 | -255.15 | 3,590.73 | 3,598.10 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.77 | 91.28 | 7,423.62 | -257.39 | 3,690.70 | 3,698.07 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.77 | 91.28 | 7,422.27 | -259.63 | 3,790.66 | 3,798.05 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.77 | 91.28 | 7,420.92 | -261.88 | 3,890.63 | 3,898.02 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.77 | 91.28 | 7,419.57 | -264.12 | 3,990.59 | 3,998.00 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.77 | 91.28 | 7,418.22 | -266.36 | 4,090.56 | 4,097.97 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.77 | 91.28 | 7,416.87 | -268.60 | 4,190.52 | 4,197.95 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.77 | 91.28 | 7,415.51 | -270.84 | 4,290.49 | 4,297.92 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.77 | 91.28 | 7,414.16 | -273.08 | 4,390.46 | 4,397.90 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.77 | 91.28 | 7,412.81 | -275.32 | 4,490.42 | 4,497.87 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.77 | 91.28 | 7,411.46 | -277.56 | 4,590.39 | 4,597.85 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.77 | 91.28 | 7,410.11 | -279.80 | 4,690.35 | 4,697.82 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.77 | 91.28 | 7,408.76 | -282.04 | 4,790.32 | 4,797.80 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.77 | 91.28 | 7,407.40 | -284.28 | 4,890.28 | 4,897.77 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.77 | 91.28 | 7,406.05 | -286.52 | 4,990.25 | 4,997.75 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.77 | 91.28 | 7,404.70 | -288.76 | 5,090.22 | 5,097.72 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.77 | 91.28 | 7,403.35 | -291.00 | 5,190.18 | 5,197.70 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.77 | 91.28 | 7,402.00 | -293.24 | 5,290.15 | 5,297.67 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.77 | 91.28 | 7,400.65 | -295.48 | 5,390.11 | 5,397.64 | 0.00 | 0.00 | 0.00 |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 13,400.00 | 90.77 | 91.28 | 7,399.30 | -297.72 | 5,490.08 | 5,497.62 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.77 | 91.28 | 7,397.94 | -299.96 | 5,590.05 | 5,597.59 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.77 | 91.28 | 7,396.59 | -302.20 | 5,690.01 | 5,697.57 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.77 | 91.28 | 7,395.24 | -304.44 | 5,789.98 | 5,797.54 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.77 | 91.28 | 7,393.89 | -306.68 | 5,889.94 | 5,897.52 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.77 | 91.28 | 7,392.54 | -308.92 | 5,989.91 | 5,997.49 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.77 | 91.28 | 7,391.19 | -311.16 | 6,089.87 | 6,097.47 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.77 | 91.28 | 7,389.83 | -313.40 | 6,189.84 | 6,197.44 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.77 | 91.28 | 7,388.48 | -315.64 | 6,289.81 | 6,297.42 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.77 | 91.28 | 7,387.13 | -317.88 | 6,389.77 | 6,397.39 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.77 | 91.28 | 7,385.78 | -320.12 | 6,489.74 | 6,497.37 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.77 | 91.28 | 7,384.43 | -322.36 | 6,589.70 | 6,597.34 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.77 | 91.28 | 7,383.08 | -324.60 | 6,689.67 | 6,697.32 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.77 | 91.28 | 7,381.72 | -326.84 | 6,789.63 | 6,797.29 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.77 | 91.28 | 7,380.37 | -329.09 | 6,889.60 | 6,897.27 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.77 | 91.28 | 7,379.02 | -331.33 | 6,989.57 | 6,997.24 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.77 | 91.28 | 7,377.67 | -333.57 | 7,089.53 | 7,097.22 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.77 | 91.28 | 7,376.32 | -335.81 | 7,189.50 | 7,197.19 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.77 | 91.28 | 7,374.97 | -338.05 | 7,289.46 | 7,297.17 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 90.77 | 91.28 | 7,373.62 | -340.29 | 7,389.43 | 7,397.14 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.77 | 91.28 | 7,372.26 | -342.53 | 7,489.39 | 7,497.12 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.77 | 91.28 | 7,370.91 | -344.77 | 7,589.36 | 7,597.09 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.77 | 91.28 | 7,369.56 | -347.01 | 7,689.33 | 7,697.07 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.77 | 91.28 | 7,368.21 | -349.25 | 7,789.29 | 7,797.04 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.77 | 91.28 | 7,366.86 | -351.49 | 7,889.26 | 7,897.01 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.77 | 91.28 | 7,365.51 | -353.73 | 7,989.22 | 7,996.99 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.77 | 91.28 | 7,364.15 | -355.97 | 8,089.19 | 8,096.96 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.77 | 91.28 | 7,362.80 | -358.21 | 8,189.16 | 8,196.94 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.77 | 91.28 | 7,361.45 | -360.45 | 8,289.12 | 8,296.91 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.77 | 91.28 | 7,360.10 | -362.69 | 8,389.09 | 8,396.89 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.77 | 91.28 | 7,358.75 | -364.93 | 8,489.05 | 8,496.86 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.77 | 91.28 | 7,357.40 | -367.17 | 8,589.02 | 8,596.84 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.77 | 91.28 | 7,356.05 | -369.41 | 8,688.98 | 8,696.81 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.77 | 91.28 | 7,354.69 | -371.65 | 8,788.95 | 8,796.79 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.77 | 91.28 | 7,353.34 | -373.89 | 8,888.92 | 8,896.76 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.77 | 91.28 | 7,351.99 | -376.13 | 8,988.88 | 8,996.74 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.77 | 91.28 | 7,350.64 | -378.37 | 9,088.85 | 9,096.71 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.77 | 91.28 | 7,349.29 | -380.61 | 9,188.81 | 9,196.69 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.77 | 91.28 | 7,347.94 | -382.85 | 9,288.78 | 9,296.66 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.77 | 91.28 | 7,346.58 | -385.09 | 9,388.74 | 9,396.64 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.77 | 91.28 | 7,345.23 | -387.33 | 9,488.71 | 9,496.61 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.77 | 91.28 | 7,343.88 | -389.57 | 9,588.68 | 9,596.59 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.77 | 91.28 | 7,342.53 | -391.81 | 9,688.64 | 9,696.56 | 0.00 | 0.00 | 0.00 |
| 17,639.17 | 90.77 | 91.28 | 7,342.00 | -392.62 | 9,727.80 | 9,735.72 | 0.00 | 0.00 | 0.00 |
| BHL: 1849' FSL, 325' FEL - Arkansas 4-64 3-2 3CH BHL | | | | | | | | | |

ConocoPhillips

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------|
| Database: | EDT 14 Central Planning | Local Co-ordinate Reference: | Well Arkansas 4-64 3-2 3CH |
| Company: | ConocoPhillips RBU Gold Data | TVD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Project: | Niobrara Central Zone | MD Reference: | 27' RKB @ 5636.90ft (27' RKB) |
| Site: | Arkansas | North Reference: | True |
| Well: | Arkansas 4-64 3-2 3CH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Arkansas 4-64 3-2 3CH | | |
| Design: | Design A | | |

Design Targets

Target Name

| - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|------------------|-----------------|-------------|---------------|---------------|--------------------|-------------------|------------------|-------------------|
| Arkansas 4-64 3-2 3C - plan hits target center - Point | 0.00 | 0.00 | 7,342.00 | -392.62 | 9,727.80 | 1,691,900.178 | 3,278,593.002 | 39° 43' 44.040 N | 104° 30' 34.150 W |
| Arkansas 4-64 3-2 3C - plan hits target center - Point | 0.00 | 0.00 | 7,474.00 | -173.89 | -35.34 | 1,692,016.168 | 3,268,828.163 | 39° 43' 46.220 N | 104° 32' 39.110 W |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------------|---------------------------|------------|---------------------------|-------------------------|
| 1,893.00 | 1,893.00 | Surface | 9-5/8 | 12-1/4 |
| 17,639.17 | 7,342.00 | Production | 5-1/2 | 8-1/2 |

Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------------|---------------------------|----------------|-----------|------------|-------------------------|
| 1,561.00 | 1,561.00 | Fox Hills Top | | 0.00 | |
| 1,693.00 | 1,693.00 | Fox Hills Base | | 0.00 | |
| 1,893.00 | 1,893.00 | Surface Casing | | 0.00 | |
| 7,450.86 | 7,331.00 | Niobrara Top | | 0.00 | |
| 7,757.39 | 7,464.00 | C Chalk Top | | 0.00 | |

Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|--------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 27.00 | 27.00 | 0.00 | 0.00 | SHL: 2024' FSL, 495' FWL |
| 6,847.44 | 6,785.24 | -127.08 | -603.12 | KOP: 1897' FSL, 108' FEL |
| 7,872.69 | 7,474.00 | -173.89 | -35.34 | BPI: 1849' FSL, 460' FWL |
| 17,639.17 | 7,342.00 | -392.62 | 9,727.80 | BHL: 1849' FSL, 325' FEL |