

PETROSHARE

Location: COLORADO Slot: SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)
Field: ADAMS COUNTY (NAD83/ GRID NORTH) Well: ACKARD NORTH 2-35-4CDH
Facility: SEC.02-T03S-R66W Wellbore: ACKARD NORTH 2-35-4CDH PWB

| | |
|---|--|
| Plot reference wellpath is ACKARD NORTH 2-35-4CDH PWP (REV. A.0) | Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet |
| True vertical depths are referenced to RIG (13'KB) (RKB) | * - Wellpath was transformed from a different geodetic datum |
| Measured depths are referenced to RIG (13'KB) (RKB) | North Reference: Grid north |
| RIG (13'KB) (RKB) to Mean Sea Level: 5213 feet | Scale: True distance |
| Mean Sea Level to Ground level (At Slot: SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)): 0 feet | Depths are in feet |
| Coordinates are in feet referenced to Slot | Created by: cantriat on 2017-10-19 |
| | Database: Denver |

Location Information

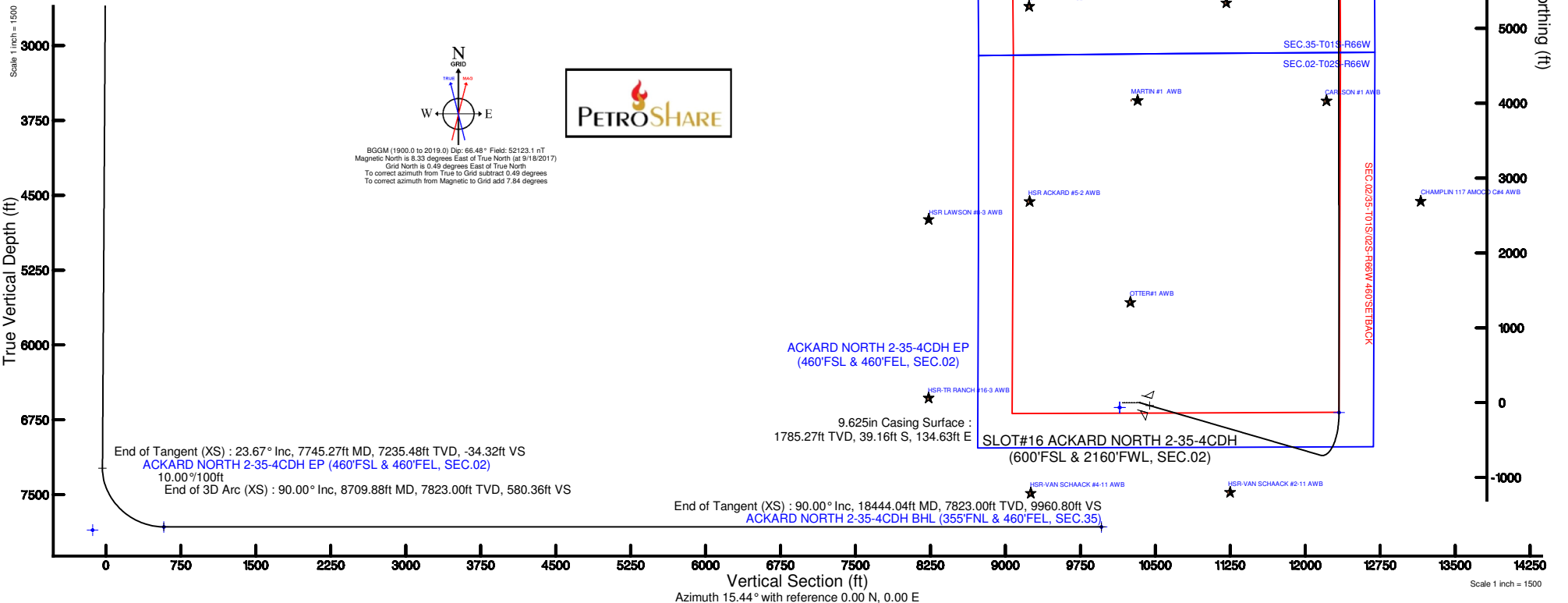
| Facility Name | | | | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude |
|--|--------------|--------------|-------------------|--------------------|--------------------|-----------------|-----------------|
| SEC.02-T03S-R66W | | | | 3211634.960 | 1207863.832 | 39°54'05.673"N | 104°44'44.357"W |
| Slot | Local N (ft) | Local E (ft) | Grid East (US ft) | Grid North (US ft) | Latitude | Longitude | |
| SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) | 0.61 | 224.96 | 3211859.916 | 1207894.440 | 39°54'05.660"N | 104°44'41.471"W | |
| RIG (13'KB) (RKB) to Ground level (At Slot: SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)) | | | | | | 5213ft | |
| Mean Sea Level to Ground level (At Slot: SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)) | | | | | | 0ft | |
| RIG (13'KB) (RKB) to Mean Sea Level | | | | | | 5213ft | |

Hole and Casing Sections

| Name | Start MD (ft) | End MD (ft) | Interval (ft) | Start TVD (ft) | End TVD (ft) | Start Local N (ft) | Start Local E (ft) | End Local N (ft) | End Local E (ft) | Wellbore |
|------------------------|---------------|-------------|---------------|----------------|--------------|--------------------|--------------------|------------------|------------------|----------------------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1785.27 | 0.00 | 0.00 | -39.16 | 134.63 | ACKARD NORTH 2-35-4CDH PWB |
| 8.5in Open Hole | 1800.00 | 18444.04 | 16644.04 | 1785.27 | 7823.00 | -39.16 | 134.63 | 9601.44 | 2651.39 | ACKARD NORTH 2-35-4CDH PWB |

Survey Program

| Start MD (ft) | End MD (ft) | Tool | Model | Log Name/Comment | Wellbore |
|---------------|-------------|-------------|---|------------------|----------------------------|
| 13.00 | 18444.04 | BHI NavTrak | Custom BHI NavTrak (Standard Rotating) (Rockies 0.03Gr model) | | ACKARD NORTH 2-35-4CDH PWB |





Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| REPORT SETUP INFORMATION | | | |
|--------------------------|---|----------------------|--|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 5.0 |
| North Reference | Grid | User | Ingmjiamr |
| Scale | 0.999975 | Report Generated | 10/20/2017 at 10:15:20 AM |
| Convergence at slot | 0.49° East | Database/Source file | Jamie/ACKARD_NORTH_2-35-4CDH_PWP_REV_A.0.xml |

| WELLPATH LOCATION | | | | | | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | 0.61 | 224.96 | 3211859.92 | 1207894.44 | 39°54'05.660"N | 104°44'41.471"W |
| Facility Reference Pt | | | 3211634.96 | 1207893.83 | 39°54'05.673"N | 104°44'44.357"W |
| Field Reference Pt | | | 3175478.75 | 1240632.48 | 39°59'31.992"N | 104°52'25.320"W |

| WELLPATH DATUM | | | |
|--------------------------|-------------------|---|-------------------|
| Calculation method | Minimum curvature | RIG (13'KB) (RKB) to Facility Vertical Datum | 5213.00ft |
| Horizontal Reference Pt | Slot | RIG (13'KB) (RKB) to Mean Sea Level | 5213.00ft |
| Vertical Reference Pt | RIG (13'KB) (RKB) | RIG (13'KB) (RKB) to Ground Level at Slot (SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)) | 5213.00ft |
| MD Reference Pt | RIG (13'KB) (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 15.44° |



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| Facility | SEC.02-T03S-R66W | | |

WELLPATH DATA (201 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|-------------------|
| 0.00† | 0.000 | 106.220 | 0.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 13.00 | 0.000 | 106.220 | 13.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | Tie On |
| 113.00† | 0.000 | 106.220 | 113.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 213.00† | 0.000 | 106.220 | 213.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 313.00† | 0.000 | 106.220 | 313.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 413.00† | 0.000 | 106.220 | 413.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 513.00† | 0.000 | 106.220 | 513.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 613.00† | 0.000 | 106.220 | 613.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 713.00† | 0.000 | 106.220 | 713.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 813.00† | 0.000 | 106.220 | 813.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | |
| 900.00 | 0.000 | 106.220 | 900.00 | 0.00 | 0.00 | 0.00 | 39°54'05.660"N | 104°44'41.471"W | 0.00 | End of Tangent |
| 913.00† | 0.260 | 106.220 | 913.00 | 0.00 | -0.01 | 0.03 | 39°54'05.660"N | 104°44'41.470"W | 2.00 | |
| 1013.00† | 2.260 | 106.220 | 1012.97 | -0.03 | -0.62 | 2.14 | 39°54'05.654"N | 104°44'41.443"W | 2.00 | |
| 1113.00† | 4.260 | 106.220 | 1112.80 | -0.11 | -2.21 | 7.60 | 39°54'05.638"N | 104°44'41.374"W | 2.00 | |
| 1213.00† | 6.260 | 106.220 | 1212.38 | -0.23 | -4.77 | 16.40 | 39°54'05.612"N | 104°44'41.261"W | 2.00 | |
| 1313.00† | 8.260 | 106.220 | 1311.57 | -0.41 | -8.30 | 28.54 | 39°54'05.576"N | 104°44'41.106"W | 2.00 | |
| 1413.00† | 10.260 | 106.220 | 1410.26 | -0.63 | -12.80 | 43.99 | 39°54'05.530"N | 104°44'40.908"W | 2.00 | |
| 1513.00† | 12.260 | 106.220 | 1508.33 | -0.89 | -18.25 | 62.73 | 39°54'05.475"N | 104°44'40.668"W | 2.00 | |
| 1613.00† | 14.260 | 106.220 | 1605.66 | -1.21 | -24.66 | 84.76 | 39°54'05.409"N | 104°44'40.386"W | 2.00 | |
| 1658.84† | 15.177 | 106.220 | 1650.00 | -1.37 | -27.91 | 95.94 | 39°54'05.376"N | 104°44'40.243"W | 2.00 | Fox Hills |
| 1713.00† | 16.260 | 106.220 | 1702.13 | -1.57 | -32.01 | 110.03 | 39°54'05.335"N | 104°44'40.063"W | 2.00 | |
| 1813.00† | 18.260 | 106.220 | 1797.62 | -1.97 | -40.30 | 138.52 | 39°54'05.250"N | 104°44'39.698"W | 2.00 | |
| 1913.00† | 20.260 | 106.220 | 1892.02 | -2.42 | -49.51 | 170.19 | 39°54'05.157"N | 104°44'39.293"W | 2.00 | |
| 2013.00† | 22.260 | 106.220 | 1985.21 | -2.92 | -59.64 | 205.00 | 39°54'05.054"N | 104°44'38.847"W | 2.00 | |
| 2083.65 | 23.673 | 106.220 | 2050.26 | -3.29 | -67.34 | 231.47 | 39°54'04.975"N | 104°44'38.508"W | 2.00 | End of Build (XS) |
| 2113.00† | 23.673 | 106.220 | 2077.14 | -3.46 | -70.63 | 242.79 | 39°54'04.942"N | 104°44'38.363"W | 0.00 | |
| 2213.00† | 23.673 | 106.220 | 2168.72 | -4.00 | -81.84 | 281.34 | 39°54'04.828"N | 104°44'37.870"W | 0.00 | |
| 2313.00† | 23.673 | 106.220 | 2260.31 | -4.55 | -93.06 | 319.89 | 39°54'04.714"N | 104°44'37.377"W | 0.00 | |
| 2413.00† | 23.673 | 106.220 | 2351.90 | -5.10 | -104.28 | 358.45 | 39°54'04.600"N | 104°44'36.883"W | 0.00 | |
| 2513.00† | 23.673 | 106.220 | 2443.48 | -5.65 | -115.49 | 397.00 | 39°54'04.486"N | 104°44'36.390"W | 0.00 | |



Planned Wellpath Report

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| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|------------------|
| 2613.00† | 23.673 | 106.220 | 2535.07 | -6.20 | -126.71 | 435.55 | 39°54'04.371"N | 104°44'35.896"W | 0.00 | |
| 2713.00† | 23.673 | 106.220 | 2626.65 | -6.75 | -137.92 | 474.11 | 39°54'04.257"N | 104°44'35.403"W | 0.00 | |
| 2813.00† | 23.673 | 106.220 | 2718.24 | -7.30 | -149.14 | 512.66 | 39°54'04.143"N | 104°44'34.909"W | 0.00 | |
| 2913.00† | 23.673 | 106.220 | 2809.82 | -7.85 | -160.35 | 551.21 | 39°54'04.029"N | 104°44'34.416"W | 0.00 | |
| 3013.00† | 23.673 | 106.220 | 2901.41 | -8.39 | -171.57 | 589.77 | 39°54'03.915"N | 104°44'33.922"W | 0.00 | |
| 3113.00† | 23.673 | 106.220 | 2992.99 | -8.94 | -182.78 | 628.32 | 39°54'03.801"N | 104°44'33.429"W | 0.00 | |
| 3213.00† | 23.673 | 106.220 | 3084.58 | -9.49 | -194.00 | 666.87 | 39°54'03.687"N | 104°44'32.936"W | 0.00 | |
| 3313.00† | 23.673 | 106.220 | 3176.16 | -10.04 | -205.22 | 705.43 | 39°54'03.573"N | 104°44'32.442"W | 0.00 | |
| 3413.00† | 23.673 | 106.220 | 3267.75 | -10.59 | -216.43 | 743.98 | 39°54'03.459"N | 104°44'31.949"W | 0.00 | |
| 3513.00† | 23.673 | 106.220 | 3359.33 | -11.14 | -227.65 | 782.53 | 39°54'03.345"N | 104°44'31.455"W | 0.00 | |
| 3613.00† | 23.673 | 106.220 | 3450.92 | -11.69 | -238.86 | 821.09 | 39°54'03.231"N | 104°44'30.962"W | 0.00 | |
| 3713.00† | 23.673 | 106.220 | 3542.50 | -12.24 | -250.08 | 859.64 | 39°54'03.116"N | 104°44'30.468"W | 0.00 | |
| 3813.00† | 23.673 | 106.220 | 3634.09 | -12.78 | -261.29 | 898.19 | 39°54'03.002"N | 104°44'29.975"W | 0.00 | |
| 3913.00† | 23.673 | 106.220 | 3725.67 | -13.33 | -272.51 | 936.75 | 39°54'02.888"N | 104°44'29.482"W | 0.00 | |
| 4013.00† | 23.673 | 106.220 | 3817.26 | -13.88 | -283.72 | 975.30 | 39°54'02.774"N | 104°44'28.988"W | 0.00 | |
| 4113.00† | 23.673 | 106.220 | 3908.84 | -14.43 | -294.94 | 1013.85 | 39°54'02.660"N | 104°44'28.495"W | 0.00 | |
| 4213.00† | 23.673 | 106.220 | 4000.43 | -14.98 | -306.16 | 1052.41 | 39°54'02.546"N | 104°44'28.001"W | 0.00 | |
| 4313.00† | 23.673 | 106.220 | 4092.01 | -15.53 | -317.37 | 1090.96 | 39°54'02.432"N | 104°44'27.508"W | 0.00 | |
| 4413.00† | 23.673 | 106.220 | 4183.60 | -16.08 | -328.59 | 1129.51 | 39°54'02.318"N | 104°44'27.014"W | 0.00 | |
| 4513.00† | 23.673 | 106.220 | 4275.18 | -16.63 | -339.80 | 1168.07 | 39°54'02.204"N | 104°44'26.521"W | 0.00 | |
| 4613.00† | 23.673 | 106.220 | 4366.77 | -17.17 | -351.02 | 1206.62 | 39°54'02.090"N | 104°44'26.028"W | 0.00 | |
| 4713.00† | 23.673 | 106.220 | 4458.36 | -17.72 | -362.23 | 1245.17 | 39°54'01.976"N | 104°44'25.534"W | 0.00 | |
| 4813.00† | 23.673 | 106.220 | 4549.94 | -18.27 | -373.45 | 1283.73 | 39°54'01.861"N | 104°44'25.041"W | 0.00 | |
| 4913.00† | 23.673 | 106.220 | 4641.53 | -18.82 | -384.66 | 1322.28 | 39°54'01.747"N | 104°44'24.547"W | 0.00 | |
| 5013.00† | 23.673 | 106.220 | 4733.11 | -19.37 | -395.88 | 1360.83 | 39°54'01.633"N | 104°44'24.054"W | 0.00 | |
| 5113.00† | 23.673 | 106.220 | 4824.70 | -19.92 | -407.10 | 1399.39 | 39°54'01.519"N | 104°44'23.560"W | 0.00 | |
| 5213.00† | 23.673 | 106.220 | 4916.28 | -20.47 | -418.31 | 1437.94 | 39°54'01.405"N | 104°44'23.067"W | 0.00 | |
| 5313.00† | 23.673 | 106.220 | 5007.87 | -21.01 | -429.53 | 1476.49 | 39°54'01.291"N | 104°44'22.574"W | 0.00 | |
| 5413.00† | 23.673 | 106.220 | 5099.45 | -21.56 | -440.74 | 1515.05 | 39°54'01.177"N | 104°44'22.080"W | 0.00 | |
| 5413.60† | 23.673 | 106.220 | 5100.00 | -21.57 | -440.81 | 1515.28 | 39°54'01.176"N | 104°44'22.077"W | 0.00 | Sussex / Shannon |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|----------|-----------------|-------------|----------|----------------|------------|-----------|----------------|-----------------|---------------|---------------------|
| 5513.00† | 23.673 | 106.220 | 5191.04 | -22.11 | -451.96 | 1553.60 | 39°54'01.063"N | 104°44'21.587"W | 0.00 | |
| 5613.00† | 23.673 | 106.220 | 5282.62 | -22.66 | -463.17 | 1592.15 | 39°54'00.949"N | 104°44'21.093"W | 0.00 | |
| 5713.00† | 23.673 | 106.220 | 5374.21 | -23.21 | -474.39 | 1630.71 | 39°54'00.835"N | 104°44'20.600"W | 0.00 | |
| 5813.00† | 23.673 | 106.220 | 5465.79 | -23.76 | -485.60 | 1669.26 | 39°54'00.720"N | 104°44'20.106"W | 0.00 | |
| 5913.00† | 23.673 | 106.220 | 5557.38 | -24.31 | -496.82 | 1707.81 | 39°54'00.606"N | 104°44'19.613"W | 0.00 | |
| 6013.00† | 23.673 | 106.220 | 5648.96 | -24.86 | -508.03 | 1746.37 | 39°54'00.492"N | 104°44'19.120"W | 0.00 | |
| 6113.00† | 23.673 | 106.220 | 5740.55 | -25.40 | -519.25 | 1784.92 | 39°54'00.378"N | 104°44'18.626"W | 0.00 | |
| 6213.00† | 23.673 | 106.220 | 5832.13 | -25.95 | -530.47 | 1823.47 | 39°54'00.264"N | 104°44'18.133"W | 0.00 | |
| 6313.00† | 23.673 | 106.220 | 5923.72 | -26.50 | -541.68 | 1862.03 | 39°54'00.150"N | 104°44'17.639"W | 0.00 | |
| 6413.00† | 23.673 | 106.220 | 6015.30 | -27.05 | -552.90 | 1900.58 | 39°54'00.036"N | 104°44'17.146"W | 0.00 | |
| 6513.00† | 23.673 | 106.220 | 6106.89 | -27.60 | -564.11 | 1939.13 | 39°53'59.922"N | 104°44'16.652"W | 0.00 | |
| 6613.00† | 23.673 | 106.220 | 6198.47 | -28.15 | -575.33 | 1977.69 | 39°53'59.808"N | 104°44'16.159"W | 0.00 | |
| 6713.00† | 23.673 | 106.220 | 6290.06 | -28.70 | -586.54 | 2016.24 | 39°53'59.693"N | 104°44'15.666"W | 0.00 | |
| 6813.00† | 23.673 | 106.220 | 6381.65 | -29.25 | -597.76 | 2054.79 | 39°53'59.579"N | 104°44'15.172"W | 0.00 | |
| 6913.00† | 23.673 | 106.220 | 6473.23 | -29.79 | -608.97 | 2093.35 | 39°53'59.465"N | 104°44'14.679"W | 0.00 | |
| 7013.00† | 23.673 | 106.220 | 6564.82 | -30.34 | -620.19 | 2131.90 | 39°53'59.351"N | 104°44'14.185"W | 0.00 | |
| 7113.00† | 23.673 | 106.220 | 6656.40 | -30.89 | -631.41 | 2170.45 | 39°53'59.237"N | 104°44'13.692"W | 0.00 | |
| 7213.00† | 23.673 | 106.220 | 6747.99 | -31.44 | -642.62 | 2209.01 | 39°53'59.123"N | 104°44'13.199"W | 0.00 | |
| 7313.00† | 23.673 | 106.220 | 6839.57 | -31.99 | -653.84 | 2247.56 | 39°53'59.009"N | 104°44'12.705"W | 0.00 | |
| 7413.00† | 23.673 | 106.220 | 6931.16 | -32.54 | -665.05 | 2286.11 | 39°53'58.895"N | 104°44'12.212"W | 0.00 | |
| 7513.00† | 23.673 | 106.220 | 7022.74 | -33.09 | -676.27 | 2324.67 | 39°53'58.781"N | 104°44'11.718"W | 0.00 | |
| 7613.00† | 23.673 | 106.220 | 7114.33 | -33.64 | -687.48 | 2363.22 | 39°53'58.666"N | 104°44'11.225"W | 0.00 | |
| 7713.00† | 23.673 | 106.220 | 7205.91 | -34.18 | -698.70 | 2401.77 | 39°53'58.552"N | 104°44'10.731"W | 0.00 | |
| 7745.28 | 23.673 | 106.220 | 7235.47 | -34.36 | -702.32 | 2414.22 | 39°53'58.516"N | 104°44'10.572"W | 0.00 | End of Tangent (XS) |
| 7813.00† | 22.825 | 89.142 | 7297.77 | -30.86 | -705.92 | 2440.44 | 39°53'58.478"N | 104°44'10.236"W | 10.00 | |
| 7913.00† | 24.930 | 64.816 | 7389.43 | -11.65 | -696.64 | 2479.00 | 39°53'58.566"N | 104°44'09.740"W | 10.00 | |
| 7964.08† | 27.311 | 54.529 | 7435.31 | 4.47 | -685.25 | 2498.30 | 39°53'58.677"N | 104°44'09.492"W | 10.00 | Niobrara A Chalk |
| 7987.24† | 28.610 | 50.438 | 7455.77 | 13.14 | -678.64 | 2506.90 | 39°53'58.742"N | 104°44'09.380"W | 10.00 | Niobrara A Marl |
| 8013.00† | 30.186 | 46.286 | 7478.21 | 23.75 | -670.23 | 2516.34 | 39°53'58.824"N | 104°44'09.258"W | 10.00 | |
| 8113.00† | 37.278 | 33.508 | 7561.43 | 74.25 | -627.50 | 2551.32 | 39°53'59.243"N | 104°44'08.805"W | 10.00 | |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH DATA (201 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|--------------------|
| 8146.70† | 39.916 | 30.144 | 7587.77 | 94.42 | -609.63 | 2562.38 | 39°53'59.419"N | 104°44'08.661"W | 10.00 | Niobrara B Chalk |
| 8177.98† | 42.443 | 27.343 | 7611.31 | 114.46 | -591.58 | 2572.27 | 39°53'59.596"N | 104°44'08.532"W | 10.00 | Niobrara B Marl |
| 8213.00† | 45.345 | 24.514 | 7636.55 | 138.33 | -569.74 | 2582.87 | 39°53'59.811"N | 104°44'08.394"W | 10.00 | |
| 8245.53† | 48.097 | 22.131 | 7658.85 | 161.78 | -547.99 | 2592.24 | 39°54'00.025"N | 104°44'08.271"W | 10.00 | Niobrara C Chalk |
| 8290.56† | 51.980 | 19.154 | 7687.77 | 196.14 | -515.70 | 2604.38 | 39°54'00.344"N | 104°44'08.112"W | 10.00 | Niobrara C Marl |
| 8313.00† | 53.941 | 17.787 | 7701.29 | 214.03 | -498.71 | 2610.05 | 39°54'00.511"N | 104°44'08.037"W | 10.00 | |
| 8413.00† | 62.838 | 12.414 | 7753.67 | 299.05 | -416.57 | 2632.01 | 39°54'01.321"N | 104°44'07.746"W | 10.00 | |
| 8513.00† | 71.908 | 7.846 | 7792.12 | 390.82 | -325.81 | 2648.11 | 39°54'02.216"N | 104°44'07.530"W | 10.00 | |
| 8530.44† | 73.502 | 7.104 | 7797.31 | 407.31 | -309.30 | 2650.27 | 39°54'02.379"N | 104°44'07.500"W | 10.00 | Fort Hays |
| 8613.00† | 81.076 | 3.733 | 7815.47 | 486.55 | -229.19 | 2657.83 | 39°54'03.170"N | 104°44'07.394"W | 10.00 | |
| 8709.89 | 90.000 | 359.944 | 7823.00† | 580.32 | -132.76 | 2660.91 | 39°54'04.123"N | 104°44'07.344"W | 10.00 | End of 3D Arc (XS) |
| 8713.00† | 90.000 | 359.944 | 7823.00 | 583.31 | -129.65 | 2660.91 | 39°54'04.154"N | 104°44'07.344"W | 0.00 | |
| 8813.00† | 90.000 | 359.944 | 7823.00 | 679.68 | -29.65 | 2660.81 | 39°54'05.142"N | 104°44'07.334"W | 0.00 | |
| 8913.00† | 90.000 | 359.944 | 7823.00 | 776.05 | 70.35 | 2660.71 | 39°54'06.130"N | 104°44'07.324"W | 0.00 | |
| 9013.00† | 90.000 | 359.944 | 7823.00 | 872.41 | 170.35 | 2660.61 | 39°54'07.118"N | 104°44'07.314"W | 0.00 | |
| 9113.00† | 90.000 | 359.944 | 7823.00 | 968.78 | 270.35 | 2660.52 | 39°54'08.107"N | 104°44'07.304"W | 0.00 | |
| 9213.00† | 90.000 | 359.944 | 7823.00 | 1065.14 | 370.35 | 2660.42 | 39°54'09.095"N | 104°44'07.295"W | 0.00 | |
| 9313.00† | 90.000 | 359.944 | 7823.00 | 1161.51 | 470.35 | 2660.32 | 39°54'10.083"N | 104°44'07.285"W | 0.00 | |
| 9413.00† | 90.000 | 359.944 | 7823.00 | 1257.88 | 570.35 | 2660.22 | 39°54'11.071"N | 104°44'07.275"W | 0.00 | |
| 9513.00† | 90.000 | 359.944 | 7823.00 | 1354.24 | 670.35 | 2660.12 | 39°54'12.059"N | 104°44'07.265"W | 0.00 | |
| 9613.00† | 90.000 | 359.944 | 7823.00 | 1450.61 | 770.35 | 2660.03 | 39°54'13.048"N | 104°44'07.255"W | 0.00 | |
| 9713.00† | 90.000 | 359.944 | 7823.00 | 1546.98 | 870.35 | 2659.93 | 39°54'14.036"N | 104°44'07.246"W | 0.00 | |
| 9813.00† | 90.000 | 359.944 | 7823.00 | 1643.34 | 970.35 | 2659.83 | 39°54'15.024"N | 104°44'07.236"W | 0.00 | |
| 9913.00† | 90.000 | 359.944 | 7823.00 | 1739.71 | 1070.35 | 2659.73 | 39°54'16.012"N | 104°44'07.226"W | 0.00 | |
| 10013.00† | 90.000 | 359.944 | 7823.00 | 1836.07 | 1170.35 | 2659.63 | 39°54'17.001"N | 104°44'07.216"W | 0.00 | |
| 10113.00† | 90.000 | 359.944 | 7823.00 | 1932.44 | 1270.35 | 2659.54 | 39°54'17.989"N | 104°44'07.206"W | 0.00 | |
| 10213.00† | 90.000 | 359.944 | 7823.00 | 2028.81 | 1370.35 | 2659.44 | 39°54'18.977"N | 104°44'07.197"W | 0.00 | |
| 10313.00† | 90.000 | 359.944 | 7823.00 | 2125.17 | 1470.35 | 2659.34 | 39°54'19.965"N | 104°44'07.187"W | 0.00 | |
| 10413.00† | 90.000 | 359.944 | 7823.00 | 2221.54 | 1570.35 | 2659.24 | 39°54'20.953"N | 104°44'07.177"W | 0.00 | |
| 10513.00† | 90.000 | 359.944 | 7823.00 | 2317.90 | 1670.35 | 2659.14 | 39°54'21.942"N | 104°44'07.167"W | 0.00 | |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH DATA (201 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 10613.00† | 90.000 | 359.944 | 7823.00 | 2414.27 | 1770.35 | 2659.05 | 39°54'22.930"N | 104°44'07.157"W | 0.00 | |
| 10713.00† | 90.000 | 359.944 | 7823.00 | 2510.64 | 1870.35 | 2658.95 | 39°54'23.918"N | 104°44'07.148"W | 0.00 | |
| 10813.00† | 90.000 | 359.944 | 7823.00 | 2607.00 | 1970.35 | 2658.85 | 39°54'24.906"N | 104°44'07.138"W | 0.00 | |
| 10913.00† | 90.000 | 359.944 | 7823.00 | 2703.37 | 2070.35 | 2658.75 | 39°54'25.895"N | 104°44'07.128"W | 0.00 | |
| 11013.00† | 90.000 | 359.944 | 7823.00 | 2799.74 | 2170.35 | 2658.65 | 39°54'26.883"N | 104°44'07.118"W | 0.00 | |
| 11113.00† | 90.000 | 359.944 | 7823.00 | 2896.10 | 2270.35 | 2658.56 | 39°54'27.871"N | 104°44'07.108"W | 0.00 | |
| 11213.00† | 90.000 | 359.944 | 7823.00 | 2992.47 | 2370.35 | 2658.46 | 39°54'28.859"N | 104°44'07.098"W | 0.00 | |
| 11313.00† | 90.000 | 359.944 | 7823.00 | 3088.83 | 2470.35 | 2658.36 | 39°54'29.847"N | 104°44'07.089"W | 0.00 | |
| 11413.00† | 90.000 | 359.944 | 7823.00 | 3185.20 | 2570.35 | 2658.26 | 39°54'30.836"N | 104°44'07.079"W | 0.00 | |
| 11513.00† | 90.000 | 359.944 | 7823.00 | 3281.57 | 2670.35 | 2658.16 | 39°54'31.824"N | 104°44'07.069"W | 0.00 | |
| 11613.00† | 90.000 | 359.944 | 7823.00 | 3377.93 | 2770.35 | 2658.07 | 39°54'32.812"N | 104°44'07.059"W | 0.00 | |
| 11713.00† | 90.000 | 359.944 | 7823.00 | 3474.30 | 2870.35 | 2657.97 | 39°54'33.800"N | 104°44'07.049"W | 0.00 | |
| 11813.00† | 90.000 | 359.944 | 7823.00 | 3570.66 | 2970.35 | 2657.87 | 39°54'34.789"N | 104°44'07.040"W | 0.00 | |
| 11913.00† | 90.000 | 359.944 | 7823.00 | 3667.03 | 3070.35 | 2657.77 | 39°54'35.777"N | 104°44'07.030"W | 0.00 | |
| 12013.00† | 90.000 | 359.944 | 7823.00 | 3763.40 | 3170.35 | 2657.67 | 39°54'36.765"N | 104°44'07.020"W | 0.00 | |
| 12113.00† | 90.000 | 359.944 | 7823.00 | 3859.76 | 3270.35 | 2657.58 | 39°54'37.753"N | 104°44'07.010"W | 0.00 | |
| 12213.00† | 90.000 | 359.944 | 7823.00 | 3956.13 | 3370.35 | 2657.48 | 39°54'38.741"N | 104°44'07.000"W | 0.00 | |
| 12313.00† | 90.000 | 359.944 | 7823.00 | 4052.50 | 3470.35 | 2657.38 | 39°54'39.730"N | 104°44'06.991"W | 0.00 | |
| 12413.00† | 90.000 | 359.944 | 7823.00 | 4148.86 | 3570.35 | 2657.28 | 39°54'40.718"N | 104°44'06.981"W | 0.00 | |
| 12513.00† | 90.000 | 359.944 | 7823.00 | 4245.23 | 3670.35 | 2657.18 | 39°54'41.706"N | 104°44'06.971"W | 0.00 | |
| 12613.00† | 90.000 | 359.944 | 7823.00 | 4341.59 | 3770.35 | 2657.09 | 39°54'42.694"N | 104°44'06.961"W | 0.00 | |
| 12713.00† | 90.000 | 359.944 | 7823.00 | 4437.96 | 3870.35 | 2656.99 | 39°54'43.683"N | 104°44'06.951"W | 0.00 | |
| 12813.00† | 90.000 | 359.944 | 7823.00 | 4534.33 | 3970.35 | 2656.89 | 39°54'44.671"N | 104°44'06.942"W | 0.00 | |
| 12913.00† | 90.000 | 359.944 | 7823.00 | 4630.69 | 4070.35 | 2656.79 | 39°54'45.659"N | 104°44'06.932"W | 0.00 | |
| 13013.00† | 90.000 | 359.944 | 7823.00 | 4727.06 | 4170.35 | 2656.69 | 39°54'46.647"N | 104°44'06.922"W | 0.00 | |
| 13113.00† | 90.000 | 359.944 | 7823.00 | 4823.42 | 4270.35 | 2656.60 | 39°54'47.635"N | 104°44'06.912"W | 0.00 | |
| 13213.00† | 90.000 | 359.944 | 7823.00 | 4919.79 | 4370.35 | 2656.50 | 39°54'48.624"N | 104°44'06.902"W | 0.00 | |
| 13313.00† | 90.000 | 359.944 | 7823.00 | 5016.16 | 4470.35 | 2656.40 | 39°54'49.612"N | 104°44'06.892"W | 0.00 | |
| 13413.00† | 90.000 | 359.944 | 7823.00 | 5112.52 | 4570.35 | 2656.30 | 39°54'50.600"N | 104°44'06.883"W | 0.00 | |
| 13513.00† | 90.000 | 359.944 | 7823.00 | 5208.89 | 4670.35 | 2656.20 | 39°54'51.588"N | 104°44'06.873"W | 0.00 | |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH DATA (201 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------|-----------------|------------------|----------|
| 13613.00† | 90.000 | 359.944 | 7823.00 | 5305.26 | 4770.35 | 2656.11 | 39°54'52.577"N | 104°44'06.863"W | 0.00 | |
| 13713.00† | 90.000 | 359.944 | 7823.00 | 5401.62 | 4870.35 | 2656.01 | 39°54'53.565"N | 104°44'06.853"W | 0.00 | |
| 13813.00† | 90.000 | 359.944 | 7823.00 | 5497.99 | 4970.35 | 2655.91 | 39°54'54.553"N | 104°44'06.843"W | 0.00 | |
| 13913.00† | 90.000 | 359.944 | 7823.00 | 5594.35 | 5070.35 | 2655.81 | 39°54'55.541"N | 104°44'06.834"W | 0.00 | |
| 14013.00† | 90.000 | 359.944 | 7823.00 | 5690.72 | 5170.35 | 2655.72 | 39°54'56.529"N | 104°44'06.824"W | 0.00 | |
| 14113.00† | 90.000 | 359.944 | 7823.00 | 5787.09 | 5270.35 | 2655.62 | 39°54'57.518"N | 104°44'06.814"W | 0.00 | |
| 14213.00† | 90.000 | 359.944 | 7823.00 | 5883.45 | 5370.35 | 2655.52 | 39°54'58.506"N | 104°44'06.804"W | 0.00 | |
| 14313.00† | 90.000 | 359.944 | 7823.00 | 5979.82 | 5470.35 | 2655.42 | 39°54'59.494"N | 104°44'06.794"W | 0.00 | |
| 14413.00† | 90.000 | 359.944 | 7823.00 | 6076.19 | 5570.35 | 2655.32 | 39°55'00.482"N | 104°44'06.785"W | 0.00 | |
| 14513.00† | 90.000 | 359.944 | 7823.00 | 6172.55 | 5670.35 | 2655.23 | 39°55'01.470"N | 104°44'06.775"W | 0.00 | |
| 14613.00† | 90.000 | 359.944 | 7823.00 | 6268.92 | 5770.35 | 2655.13 | 39°55'02.459"N | 104°44'06.765"W | 0.00 | |
| 14713.00† | 90.000 | 359.944 | 7823.00 | 6365.28 | 5870.35 | 2655.03 | 39°55'03.447"N | 104°44'06.755"W | 0.00 | |
| 14813.00† | 90.000 | 359.944 | 7823.00 | 6461.65 | 5970.35 | 2654.93 | 39°55'04.435"N | 104°44'06.745"W | 0.00 | |
| 14913.00† | 90.000 | 359.944 | 7823.00 | 6558.02 | 6070.35 | 2654.83 | 39°55'05.423"N | 104°44'06.736"W | 0.00 | |
| 15013.00† | 90.000 | 359.944 | 7823.00 | 6654.38 | 6170.35 | 2654.74 | 39°55'06.412"N | 104°44'06.726"W | 0.00 | |
| 15113.00† | 90.000 | 359.944 | 7823.00 | 6750.75 | 6270.35 | 2654.64 | 39°55'07.400"N | 104°44'06.716"W | 0.00 | |
| 15213.00† | 90.000 | 359.944 | 7823.00 | 6847.11 | 6370.35 | 2654.54 | 39°55'08.388"N | 104°44'06.706"W | 0.00 | |
| 15313.00† | 90.000 | 359.944 | 7823.00 | 6943.48 | 6470.35 | 2654.44 | 39°55'09.376"N | 104°44'06.696"W | 0.00 | |
| 15413.00† | 90.000 | 359.944 | 7823.00 | 7039.85 | 6570.35 | 2654.34 | 39°55'10.364"N | 104°44'06.686"W | 0.00 | |
| 15513.00† | 90.000 | 359.944 | 7823.00 | 7136.21 | 6670.35 | 2654.25 | 39°55'11.353"N | 104°44'06.677"W | 0.00 | |
| 15613.00† | 90.000 | 359.944 | 7823.00 | 7232.58 | 6770.35 | 2654.15 | 39°55'12.341"N | 104°44'06.667"W | 0.00 | |
| 15713.00† | 90.000 | 359.944 | 7823.00 | 7328.95 | 6870.35 | 2654.05 | 39°55'13.329"N | 104°44'06.657"W | 0.00 | |
| 15813.00† | 90.000 | 359.944 | 7823.00 | 7425.31 | 6970.35 | 2653.95 | 39°55'14.317"N | 104°44'06.647"W | 0.00 | |
| 15913.00† | 90.000 | 359.944 | 7823.00 | 7521.68 | 7070.35 | 2653.85 | 39°55'15.306"N | 104°44'06.637"W | 0.00 | |
| 16013.00† | 90.000 | 359.944 | 7823.00 | 7618.04 | 7170.35 | 2653.76 | 39°55'16.294"N | 104°44'06.628"W | 0.00 | |
| 16113.00† | 90.000 | 359.944 | 7823.00 | 7714.41 | 7270.35 | 2653.66 | 39°55'17.282"N | 104°44'06.618"W | 0.00 | |
| 16213.00† | 90.000 | 359.944 | 7823.00 | 7810.78 | 7370.35 | 2653.56 | 39°55'18.270"N | 104°44'06.608"W | 0.00 | |
| 16313.00† | 90.000 | 359.944 | 7823.00 | 7907.14 | 7470.35 | 2653.46 | 39°55'19.258"N | 104°44'06.598"W | 0.00 | |
| 16413.00† | 90.000 | 359.944 | 7823.00 | 8003.51 | 7570.35 | 2653.36 | 39°55'20.247"N | 104°44'06.588"W | 0.00 | |
| 16513.00† | 90.000 | 359.944 | 7823.00 | 8099.87 | 7670.35 | 2653.27 | 39°55'21.235"N | 104°44'06.579"W | 0.00 | |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH DATA (201 stations) † = interpolated/extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|----------------------|-------------------|---------------|--------------|----------------|-----------------|------------------|---------------------|
| 16613.00† | 90.000 | 359.944 | 7823.00 | 8196.24 | 7770.35 | 2653.17 | 39°55'22.223"N | 104°44'06.569"W | 0.00 | |
| 16713.00† | 90.000 | 359.944 | 7823.00 | 8292.61 | 7870.35 | 2653.07 | 39°55'23.211"N | 104°44'06.559"W | 0.00 | |
| 16813.00† | 90.000 | 359.944 | 7823.00 | 8388.97 | 7970.35 | 2652.97 | 39°55'24.200"N | 104°44'06.549"W | 0.00 | |
| 16913.00† | 90.000 | 359.944 | 7823.00 | 8485.34 | 8070.35 | 2652.87 | 39°55'25.188"N | 104°44'06.539"W | 0.00 | |
| 17013.00† | 90.000 | 359.944 | 7823.00 | 8581.71 | 8170.35 | 2652.78 | 39°55'26.176"N | 104°44'06.529"W | 0.00 | |
| 17113.00† | 90.000 | 359.944 | 7823.00 | 8678.07 | 8270.35 | 2652.68 | 39°55'27.164"N | 104°44'06.520"W | 0.00 | |
| 17213.00† | 90.000 | 359.944 | 7823.00 | 8774.44 | 8370.35 | 2652.58 | 39°55'28.152"N | 104°44'06.510"W | 0.00 | |
| 17313.00† | 90.000 | 359.944 | 7823.00 | 8870.80 | 8470.35 | 2652.48 | 39°55'29.141"N | 104°44'06.500"W | 0.00 | |
| 17413.00† | 90.000 | 359.944 | 7823.00 | 8967.17 | 8570.35 | 2652.38 | 39°55'30.129"N | 104°44'06.490"W | 0.00 | |
| 17513.00† | 90.000 | 359.944 | 7823.00 | 9063.54 | 8670.35 | 2652.29 | 39°55'31.117"N | 104°44'06.480"W | 0.00 | |
| 17613.00† | 90.000 | 359.944 | 7823.00 | 9159.90 | 8770.35 | 2652.19 | 39°55'32.105"N | 104°44'06.471"W | 0.00 | |
| 17713.00† | 90.000 | 359.944 | 7823.00 | 9256.27 | 8870.35 | 2652.09 | 39°55'33.093"N | 104°44'06.461"W | 0.00 | |
| 17813.00† | 90.000 | 359.944 | 7823.00 | 9352.63 | 8970.35 | 2651.99 | 39°55'34.082"N | 104°44'06.451"W | 0.00 | |
| 17913.00† | 90.000 | 359.944 | 7823.00 | 9449.00 | 9070.35 | 2651.89 | 39°55'35.070"N | 104°44'06.441"W | 0.00 | |
| 18013.00† | 90.000 | 359.944 | 7823.00 | 9545.37 | 9170.35 | 2651.80 | 39°55'36.058"N | 104°44'06.431"W | 0.00 | |
| 18113.00† | 90.000 | 359.944 | 7823.00 | 9641.73 | 9270.35 | 2651.70 | 39°55'37.046"N | 104°44'06.421"W | 0.00 | |
| 18213.00† | 90.000 | 359.944 | 7823.00 | 9738.10 | 9370.35 | 2651.60 | 39°55'38.035"N | 104°44'06.412"W | 0.00 | |
| 18313.00† | 90.000 | 359.944 | 7823.00 | 9834.47 | 9470.35 | 2651.50 | 39°55'39.023"N | 104°44'06.402"W | 0.00 | |
| 18413.00† | 90.000 | 359.944 | 7823.00 | 9930.83 | 9570.35 | 2651.40 | 39°55'40.011"N | 104°44'06.392"W | 0.00 | |
| 18444.04† | 90.000 | 359.944 | 7823.00 | 9960.74 | 9601.39 | 2651.37 | 39°55'40.318"N | 104°44'06.389"W | 0.00 | Codell |
| 18444.07 | 90.000 | 359.944 | 7823.00 ² | 9960.77 | 9601.41 | 2651.37 | 39°55'40.318"N | 104°44'06.389"W | 0.00 | End of Tangent (XS) |

HOLE & CASING SECTIONS - Ref Wellbore: ACKARD NORTH 2-35-4CDH PWB Ref Wellpath: ACKARD NORTH 2-35-4CDH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1785.27 | 0.00 | 0.00 | -39.17 | 134.63 |
| 8.5in Open Hole | 1800.00 | 18444.07 | 16644.07 | 1785.27 | 7823.00 | -39.17 | 134.63 | 9601.41 | 2651.37 |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

TARGETS

| Name | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|--|------------|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|---------|
| SEC.02-T02S-R66W | | 0.00 | -65.02 | -265.15 | 3211594.77 | 1207829.42 | 39°54'05.040"N | 104°44'44.880"W | polygon |
| SEC.35-T01S-R66W | | 0.00 | -65.02 | -265.15 | 3211594.77 | 1207829.42 | 39°54'05.040"N | 104°44'44.880"W | polygon |
| 2) ACKARD NORTH 2-35-4CDH BHL (355'FNL & 460'FEL, SEC.35) | 18444.07 | 7823.00 | 9601.41 | 2651.37 | 3214511.22 | 1217495.60 | 39°55'40.318"N | 104°44'06.389"W | point |
| 1) ACKARD NORTH 2-35-4CDH EP (460'FSL & 460'FEL, SEC.02) | 8709.89 | 7823.00 | -132.76 | 2660.91 | 3214520.76 | 1207761.68 | 39°54'04.123"N | 104°44'07.344"W | point |
| SEC.02/35-T01S/02S-R66W 460'SETBACK | | 7855.00 | -65.02 | -265.15 | 3211594.77 | 1207829.42 | 39°54'05.040"N | 104°44'44.880"W | polygon |

SURVEY PROGRAM - Ref Wellbore: ACKARD NORTH 2-35-4CDH PWB Ref Wellpath: ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|------------------|----------------------------|
| 13.00 | 18444.07 | Custom BHI NavITrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-4CDH PWB |



Planned Wellpath Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH COMMENTS

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
|------------|--------------------|----------------|-------------|------------------|
| 1658.84 | 15.177 | 106.220 | 1650.00 | Fox Hills |
| 5413.60 | 23.673 | 106.220 | 5100.00 | Sussex / Shannon |
| 7964.08 | 27.311 | 54.529 | 7435.31 | Niobrara A Chalk |
| 7987.24 | 28.610 | 50.438 | 7455.77 | Niobrara A Marl |
| 8146.70 | 39.916 | 30.144 | 7587.77 | Niobrara B Chalk |
| 8177.98 | 42.443 | 27.343 | 7611.31 | Niobrara B Marl |
| 8245.53 | 48.097 | 22.131 | 7658.85 | Niobrara C Chalk |
| 8290.56 | 51.980 | 19.154 | 7687.77 | Niobrara C Marl |
| 8530.44 | 73.502 | 7.104 | 7797.31 | Fort Hays |
| 18444.04 | 90.000 | 359.944 | 7823.00 | Codell |

DESIGN COMMENTS

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
|------------|--------------------|----------------|-------------|---------------------|
| 13.00 | 0.000 | 106.220 | 13.00 | Tie On |
| 900.00 | 0.000 | 106.220 | 900.00 | End of Tangent |
| 2083.65 | 23.673 | 106.220 | 2050.26 | End of Build (XS) |
| 7745.28 | 23.673 | 106.220 | 7235.47 | End of Tangent (XS) |
| 8709.89 | 90.000 | 359.944 | 7823.00 | End of 3D Arc (XS) |
| 18444.07 | 90.000 | 359.944 | 7823.00 | End of Tangent (XS) |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|----------------------|---|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 5.0 |
| North Reference | Grid | User | Ingmjmr |
| Scale | 0.999975 | Report Generated | 10/20/2017 at 10:15:12 AM |
| Convergence at slot | 0.49° East | Database/Source file | Jamie/ACKARD_NORTH_2-35-4CDH_PWP_REV_A.0_CR.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | 0.61 | 224.96 | 3211859.92 | 1207894.44 | 39°54'05.660"N | 104°44'41.471"W |
| Facility Reference Pt | | | 3211634.96 | 1207893.83 | 39°54'05.673"N | 104°44'44.357"W |
| Field Reference Pt | | | 3175478.75 | 1240632.48 | 39°59'31.992"N | 104°52'25.320"W |

WELLPATH DATUM

| | | | |
|--------------------------|-------------------|---|-----------|
| Calculation method | Minimum Curvature | RIG (13'KB) (RKB) to Facility Vertical Datum | 5213.00ft |
| Horizontal Reference Pt | Slot | RIG (13'KB) (RKB) to Mean Sea Level | 5213.00ft |
| Vertical Reference Pt | RIG (13'KB) (RKB) | RIG (13'KB) (RKB) to Ground Level at Slot (SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02)) | 5213.00ft |
| MD Reference Pt | RIG (13'KB) (RKB) | | |
| Field Vertical Reference | Mean Sea Level | | |

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

| | | | | | |
|-----------------------------------|------------------|------------------|---------|------------------------------|----------|
| Ellipse Confidence Limit | 3.00 Std Dev | Ellipse Start MD | 13.00ft | Surface Position Uncertainty | included |
| Declination | 8.33° East of TN | Dip Angle | 66.48° | Mag Field Strength | 52123 nT |
| Slot Surface Uncertainty @1SD | | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | | Horizontal | 8.200ft | Vertical | 3.000ft |

Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

ANTI-COLLISION RULE

| | | | |
|----------------------------|---|----------------------|-------|
| Rule Name | Baker Hughes Stop Drilling (offset is HSE risk) | Rule Based On | Ratio |
| Plane of Rule | Closest Approach | Threshold Value | 1.00 |
| Include Casing & Hole Size | yes | Apply Cone of Safety | no |

HOLE & CASING SECTIONS - Ref Wellbore: ACKARD NORTH 2-35-4CDH PWB Ref Wellpath: ACKARD NORTH 2-35-4CDH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1785.27 | 0.00 | 0.00 | -39.17 | 134.63 |
| 8.5in Open Hole | 1800.00 | 18444.07 | 16644.07 | 1785.27 | 7823.00 | -39.17 | 134.63 | 9601.41 | 2651.37 |

SURVEY PROGRAM - Ref Wellbore: ACKARD NORTH 2-35-4CDH PWB Ref Wellpath: ACKARD NORTH 2-35-4CDH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 18444.07 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-4CDH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CALCULATION RANGE & CUTOFF

| | | |
|------------------|-------------------|------------------------|
| From: 13.00ft MD | To: 18444.07ft MD | C-C Cutoff: 1000.00 ft |
|------------------|-------------------|------------------------|

OFFSET WELL CLEARANCE SUMMARY (36 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

| Offset Facility | Offset Slot | Offset Well | Offset Wellbore | Offset Wellpath | C-C Clearance Distance | | | ACR Separation Ratio | | | |
|------------------|---|-----------------------------------|---------------------------------------|--|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|------------|
| | | | | | Ref MD [ft] | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | ACR Status |
| SEC.35-T1S-R66W | SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) | BOX ELDER FARMS 41-35 #5 | BOX ELDER FARMS 41-35 #5 AWB | BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP | 18078.75 | 212.88 | 18078.75 | 18078.75 | 0.02 | 18078.75 | FAIL |
| SEC.35-T01S-R66W | SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) | SLOT#01 EX CHAMPLIN 117 AMOCO G#1 | SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB | SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP | 15453.19 | 209.65 | 15453.19 | 15429.63 | 0.49 | 15429.63 | FAIL |
| SEC.02-T02S-R66W | SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) | CARLSON #1 | CARLSON #1 AWB | CARLSON #1 AWP | 12874.63 | 182.38 | 12874.63 | 12847.49 | 0.52 | 12847.49 | FAIL |
| SEC.02-T03S-R66W | SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) | ACKARD NORTH 2-35-4NBH | ACKARD NORTH 2-35-4NBH | ACKARD NORTH 2-35-4NBH PWP (REV. A.0) | 13.00 | 30.02 | 18441.37 | 18441.37 | 0.89 | 18441.37 | FAIL |
| SEC.02-T03S-R66W | SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) | ACKARD NORTH 2-35-4NAH | ACKARD NORTH 2-35-4NAH PWB | ACKARD NORTH 2-35-4NAH PWP (REV. A.0) | 13.00 | 15.01 | 18444.07 | 7295.13 | 1.02 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) | ACKARD NORTH 2-35-4NCH | ACKARD NORTH 2-35-4NCH PWB | ACKARD NORTH 2-35-4NCH PWP (REV. A.0) | 13.00 | 44.98 | 18438.57 | 18438.57 | 1.40 | 18438.57 | PASS |
| SEC.02-T03S-R66W | SLOT#12 ACKARD NORTH 2-35-3CDH (600'FSL & 2100'FWL, SEC.02) | ACKARD NORTH 2-35-3CDH | ACKARD NORTH 2-35-3CDH PWB | ACKARD NORTH 2-35-3CDH PWP (REV. A.0) | 13.00 | 60.01 | 18435.79 | 18435.79 | 2.01 | 18435.79 | PASS |
| SEC.02-T03S-R66W | SLOT#11 ACKARD NORTH 2-35-3NAH (600'FSL & 2085'FWL, SEC.02) | ACKARD NORTH 2-35-3NAH | ACKARD NORTH 2-35-3NAH PWB | ACKARD NORTH 2-35-3NAH PWP (REV. A.0) | 13.00 | 75.02 | 18444.07 | 18424.46 | 2.36 | 18424.46 | PASS |
| SEC.02-T03S-R66W | SLOT#10 ACKARD NORTH 2-35-3NBH (600'FSL & 2070'FWL, SEC.02) | ACKARD NORTH 2-35-3NBH | ACKARD NORTH 2-35-3NBH PWB | ACKARD NORTH 2-35-3NBH PWP (REV. A.0) | 13.00 | 89.98 | 18433.00 | 18433.00 | 2.74 | 18433.00 | PASS |
| SEC.26-T01S-R66W | SLOT#01 EX MAUL #44-26 (660'FSL & 652'FEL, SEC.26,8289, PR) | MAUL #44-26 | MAUL #44-26 AWB | MAUL #44-26 AWP | 18444.07 | 1038.64 | 18444.07 | 18444.07 | 2.94 | 18444.07 | PASS |
| SEC.35-T01S-R66W | SLOT#03 EX BOX ELDER FARMS 32-35#4 (1980'FNL & 1980'FEL, SEC.35, 8312 PR) | BOX ELDER FARMS 32-35#4 | BOX ELDER FARMS 32-35#4 AWB | BOX ELDER FARMS 32-35#4 AWP | 16819.61 | 1509.75 | 16819.61 | 16753.97 | 3.26 | 16753.97 | PASS |
| SEC.02-T03S-R66W | SLOT#09 ACKARD NORTH 2-35-3NCH (600'FSL & 2055'FWL, SEC.02) | ACKARD NORTH 2-35-3NCH | ACKARD NORTH 2-35-3NCH PWB | ACKARD NORTH 2-35-3NCH PWP (REV. A.0) | 13.00 | 104.99 | 18430.23 | 18430.23 | 3.38 | 18430.23 | PASS |
| SEC.01-T02S-R66W | SLOT#01 EX CHAMPLIN 117 AMOCO C#4 (1980'FNL & 660'FWL, SEC.01, PR, 8410) | CHAMPLIN 117 AMOCO C#4 | CHAMPLIN 117 AMOCO C#4 AWB | CHAMPLIN 117 AMOCO C#4 AWP | 11538.00 | 1095.90 | 11538.00 | 11813.00 | 3.44 | 11813.00 | PASS |
| SEC.26-T01S-R66W | SLOT#02 EX MAUL #2 (859'FSL & 1800'FEL, SEC.26,8280, PR) | MAUL #2 | MAUL #2 AWB | MAUL #2 AWP | 18444.07 | 1808.04 | 18444.07 | 18444.07 | 3.73 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#08 ACKARD NORTH 2-35-2NBH (600'FSL & 2040'FWL, SEC.02) | ACKARD NORTH 2-35-2NBH | ACKARD NORTH 2-35-2NBH | ACKARD NORTH 2-35-2NBH PWP (REV. A.0) | 13.00 | 119.97 | 900.00 | 18431.75 | 3.91 | 18431.75 | PASS |
| SEC.35-T01S-R66W | SLOT#01 EX CHAMPLIN 117 AMOCO G#2 (660'FSL & 1980'FEL, SEC.35, PA, 8360) | CHAMPLIN 117 AMOCO G#2 | CHAMPLIN 117 AMOCO G#2 AWB | CHAMPLIN 117 AMOCO G#2 AWP | 14185.89 | 1510.81 | 14185.89 | 14113.00 | 3.94 | 14113.00 | PASS |
| SEC.11-T02S-R66W | SLOT#01 EX HSR-VAN SCHAACK #2-11 (608'FNL & 1956'FEL, SEC.11,8384, PR) | HSR-VAN SCHAACK #2-11 | HSR-VAN SCHAACK #2-11 AWB | HSR-VAN SCHAACK #2-11 AWP | 5150.50 | 819.08 | 5150.50 | 5743.12 | 4.01 | 5743.12 | PASS |
| SEC.02-T03S-R66W | SLOT#07 ACKARD NORTH 2-35-2NCH (600'FSL & 2025'FWL, SEC.02) | ACKARD NORTH 2-35-2NCH | ACKARD NORTH 2-35-2NCH PWB | ACKARD NORTH 2-35-2NCH PWP (REV. A.0) | 13.00 | 134.95 | 900.00 | 18444.07 | 4.56 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#06 ACKARD NORTH 2-35-2NAH (600'FSL & 2010'FWL, SEC.02) | ACKARD NORTH 2-35-2NAH | ACKARD NORTH 2-35-2NAH PWB | ACKARD NORTH 2-35-2NAH PWP (REV. A.0) | 13.00 | 149.99 | 900.00 | 18444.07 | 5.13 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#05 ACKARD NORTH 2-35-2CDH (600'FSL & 1995'FWL, SEC.02) | ACKARD NORTH 2-35-2CDH | ACKARD NORTH 2-35-2CDH PWB | ACKARD NORTH 2-35-2CDH PWP (REV. A.0) | 13.00 | 164.97 | 900.00 | 18444.07 | 5.22 | 18444.07 | PASS |
| SEC.35-T01S-R66W | SLOT#01 EX CHAMPLIN 117 AMOCO G #6 (660'FNL & 1980'FWL, SEC.35,8308,PR) | CHAMPLIN 117 AMOCO G#6 | CHAMPLIN 117 AMOCO G#6 AWB | CHAMPLIN 117 AMOCO G#6 AWP | 18125.50 | 2820.79 | 18125.50 | 18163.89 | 5.63 | 18163.89 | PASS |
| SEC.26-T01S-R66W | SLOT#03 EX LEECH #24-26 (659'FSL & 2026'FWL, SEC.26,8296, PR) | LEECH #24-26 | LEECH #24-26 AWB | LEECH #24-26 AWP | 18444.07 | 2990.67 | 18444.07 | 18444.07 | 5.75 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#04 ACKARD NORTH 2-35-1NBH (600'FSL & 1980'FWL, SEC.02) | ACKARD NORTH 2-35-1NBH | ACKARD NORTH 2-35-1NBH PWB | ACKARD NORTH 2-35-1NBH PWP (REV. A.0) | 13.00 | 179.99 | 900.00 | 18444.07 | 5.91 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#03 ACKARD NORTH 2-35-1NCH (600'FSL & 1965'FWL, SEC.02) | ACKARD NORTH 2-35-1NCH | ACKARD NORTH 2-35-1NCH PWB | ACKARD NORTH 2-35-1NCH PWP (REV.A.0) | 13.00 | 194.94 | 900.00 | 18444.07 | 6.57 | 18444.07 | PASS |
| SEC.35-T01S-R66W | SLOT#01 EX CHAMPLIN 117 AMOCO G#3 (1980'FSL & 1980'FWL, SEC.35, PA,8360) | SLOT#01 EX CHAMPLIN 117 AMOCO G#3 | SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB | SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWP | 15450.50 | 2821.11 | 15450.50 | 15513.00 | 6.72 | 15513.00 | PASS |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CALCULATION RANGE & CUTOFF

| | | |
|------------------|-------------------|------------------------|
| From: 13.00ft MD | To: 18444.07ft MD | C-C Cutoff: 1000.00 ft |
|------------------|-------------------|------------------------|

OFFSET WELL CLEARANCE SUMMARY (36 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

| Offset Facility | Offset Slot | Offset Well | Offset Wellbore | Offset Wellpath | C-C Clearance Distance | | | ACR Separation Ratio | | | |
|------------------|---|------------------------|----------------------------|--------------------------------------|------------------------|-------------------------|------------------------|--------------------------|-----------|--------------------------|------------|
| | | | | | Ref MD [ft] | Min C-C Clear Dist [ft] | Diverging from MD [ft] | Ref MD of Min Ratio [ft] | Min Ratio | Min Ratio Dvrg from [ft] | ACR Status |
| SEC.02-T03S-R66W | SLOT#02 ACKARD NORTH 2-35-1NAH (600'FSL & 1950'FWL, SEC.02) | ACKARD NORTH 2-35-1NAH | ACKARD NORTH 2-35-1NAH PWB | ACKARD NORTH 2-35-1NAH PWP (REV-A.0) | 13.00 | 209.95 | 900.00 | 18444.07 | 7.12 | 18444.07 | PASS |
| SEC.02-T03S-R66W | SLOT#01 ACKARD NORTH 2-35-1CDH (600'FSL & 1935'FWL, SEC.02) | ACKARD NORTH 2-35-1CDH | ACKARD NORTH 2-35-1CDH PWB | ACKARD NORTH 2-35-1CDH PWP (REV-A.0) | 13.00 | 224.96 | 713.00 | 18444.07 | 7.23 | 18444.07 | PASS |
| SEC.02-T02S-R66W | SLOT#01 EX MARTIN #1 (600'FNL & 2040'FWL, SEC.02,8400, SI) | MARTIN #1 | MARTIN #1 AWB | MARTIN #1 AWP | 12888.00 | 2768.95 | 12888.00 | 12934.72 | 8.05 | 12934.72 | PASS |
| SEC.26-T01S-R66W | SLOT#04 EX LEECH #14-26 (663'FSL & 673'FWL, SEC.26,8313, PR) | LEECH #14-26 | LEECH #14-26 AWB | LEECH #14-26 AWP | 18444.07 | 4285.93 | 18444.07 | 18444.07 | 8.23 | 18444.07 | PASS |
| SEC.35-T01S-R66W | SLOT#02 EX CHAMPLIN 117 AMOCO G #5 (1980'FNL & 660'FWL, SEC.35,8340,PR) | CHAMPLIN 117 AMOCO G#5 | CHAMPLIN 117 AMOCO G#5 AWB | CHAMPLIN 117 AMOCO G#5 AWP | 16750.50 | 4181.96 | 16750.50 | 17056.12 | 9.07 | 17056.12 | PASS |
| SEC.02-T02S-R66W | SLOT#17 EX OTTER#1 (1980'FSL & 1980'FWL, SEC.02, PR, 8390) | OTTER#1 | OTTER#1 AWB | OTTER#1 AWP | 13.00 | 1355.17 | 10213.00 | 9263.45 | 9.66 | 10313.00 | PASS |
| SEC.35-T01S-R66W | SLOT#04 EX CHAMPLIN 117 G#4 (660'FSL & 660'FWL, SEC.35,8350, PR) | CHAMPLIN 117 G#4 | CHAMPLIN 117 G#4 AWB | CHAMPLIN 117 G#4 AWP | 14138.00 | 4129.93 | 14138.00 | 14513.00 | 10.81 | 14513.00 | PASS |
| SEC.02-T02S-R66W | SLOT#02 EX HSR ACKARD #5-2 (1980'FNL & 656'FWL, SEC.02,8400, PR) | HSR ACKARD #5-2 | HSR ACKARD #5-2 AWB | HSR ACKARD #5-2 AWP | 13.00 | 3071.94 | 11513.00 | 12034.41 | 13.48 | 12034.41 | PASS |
| SEC.11-T02S-R66W | SLOT#01 EX HSR-VAN SCHAACK #4-11 (623'FNL & 696'FWL, SEC.11, 8374, PR) | HSR-VAN SCHAACK #4-11 | HSR-VAN SCHAACK #4-11 AWB | HSR-VAN SCHAACK #4-11 AWP | 113.00 | 1895.44 | 900.00 | 9262.80 | 14.61 | 9262.80 | PASS |
| SEC.03-T02S-R66W | SLOT#01 EX HSR LAWSON #8-3 (2080'FNL & 660'FEL, SEC.03,8598, PR) | HSR LAWSON #8-3 | HSR LAWSON #8-3 AWB | HSR LAWSON #8-3 AWP | 113.00 | 3711.71 | 11313.00 | 12474.00 | 17.87 | 12474.00 | PASS |
| SEC.03-T02S-R66W | SLOT#02 EX HSR-TR RANCH #16-3 (660'FSL & 660'FEL, SEC.03,8362, PR) | HSR-TR RANCH #16-3 | HSR-TR RANCH #16-3 AWB | HSR-TR RANCH #16-3 AWP | 113.00 | 2822.22 | 8913.00 | 9263.07 | 18.12 | 9513.00 | PASS |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWP Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 24.00 | 9236.70 | 2438.85 | 14.79 | 9553.26 | 25.40 | 388.28 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 76.00 | 113.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 66.31 | 145.83 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 176.00 | 213.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 96.82 | 99.49 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 276.00 | 313.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 129.44 | 74.26 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 376.00 | 413.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 162.69 | 59.01 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 476.00 | 513.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 196.20 | 48.89 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 576.00 | 613.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 229.84 | 41.71 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 676.00 | 713.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 263.56 | 36.35 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 776.00 | 813.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 297.33 | 32.21 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 863.00 | 900.00 | 9236.70 | 2438.85 | 14.79 | 9553.25 | 326.75 | 29.31 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 876.00 | 913.00 | 9236.70 | 2438.85 | -91.43 | 9553.25 | 331.14 | 28.92 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 975.97 | 1012.97 | 9236.70 | 2438.85 | -91.44 | 9553.31 | 364.67 | 26.25 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1075.80 | 1112.80 | 9236.70 | 2438.85 | -91.47 | 9553.45 | 397.61 | 24.07 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1175.38 | 1212.38 | 9236.70 | 2438.85 | -91.52 | 9553.70 | 429.79 | 22.27 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1274.57 | 1311.57 | 9236.70 | 2438.85 | -91.59 | 9554.04 | 461.01 | 20.76 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1373.26 | 1410.26 | 9236.70 | 2438.85 | -91.68 | 9554.51 | 491.11 | 19.49 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1471.33 | 1508.33 | 9236.70 | 2438.85 | -91.78 | 9555.11 | 519.93 | 18.40 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1568.66 | 1605.66 | 9236.70 | 2438.85 | -91.90 | 9555.86 | 547.31 | 17.48 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1665.13 | 1702.13 | 9236.70 | 2438.85 | -92.03 | 9556.80 | 573.09 | 16.70 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1760.62 | 1797.62 | 9236.70 | 2438.85 | -92.18 | 9557.94 | 597.04 | 16.03 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1855.02 | 1892.02 | 9236.70 | 2438.85 | -92.34 | 9559.32 | 619.21 | 15.45 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1948.21 | 1985.21 | 9236.70 | 2438.85 | -92.51 | 9560.96 | 639.38 | 14.97 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2013.26 | 2050.26 | 9236.70 | 2438.85 | -92.63 | 9562.30 | 652.36 | 14.67 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2040.14 | 2077.14 | 9236.70 | 2438.85 | -92.70 | 9562.90 | 657.49 | 14.56 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2131.72 | 2168.72 | 9236.70 | 2438.85 | -92.92 | 9565.05 | 674.36 | 14.20 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2223.31 | 2260.31 | 9236.70 | 2438.85 | -93.14 | 9567.36 | 690.29 | 13.87 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2314.90 | 2351.90 | 9236.70 | 2438.85 | -93.36 | 9569.85 | 705.29 | 13.58 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2406.48 | 2443.48 | 9236.70 | 2438.85 | -93.58 | 9572.50 | 719.36 | 13.32 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2498.07 | 2535.07 | 9236.70 | 2438.85 | -93.80 | 9575.31 | 732.47 | 13.08 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2589.65 | 2626.65 | 9236.70 | 2438.85 | -94.02 | 9578.30 | 744.65 | 12.87 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2681.24 | 2718.24 | 9236.70 | 2438.85 | -94.24 | 9581.45 | 755.87 | 12.69 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2772.82 | 2809.82 | 9236.70 | 2438.85 | -94.46 | 9584.77 | 766.15 | 12.52 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2864.41 | 2901.41 | 9236.70 | 2438.85 | -94.67 | 9588.26 | 775.47 | 12.37 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2955.99 | 2992.99 | 9236.70 | 2438.85 | -94.89 | 9591.91 | 783.84 | 12.25 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3047.58 | 3084.58 | 9236.70 | 2438.85 | -95.11 | 9595.73 | 791.26 | 12.14 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3139.16 | 3176.16 | 9236.70 | 2438.85 | -95.33 | 9599.72 | 797.71 | 12.04 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3230.75 | 3267.75 | 9236.70 | 2438.85 | -95.55 | 9603.87 | 803.22 | 11.97 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3322.33 | 3359.33 | 9236.70 | 2438.85 | -95.77 | 9608.19 | 807.76 | 11.90 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3413.92 | 3450.92 | 9236.70 | 2438.85 | -95.99 | 9612.67 | 811.35 | 11.86 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3505.50 | 3542.50 | 9236.70 | 2438.85 | -96.20 | 9617.32 | 813.99 | 11.82 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3597.09 | 3634.09 | 9236.70 | 2438.85 | -96.42 | 9622.14 | 815.66 | 11.81 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3688.67 | 3725.67 | 9236.70 | 2438.85 | -96.64 | 9627.12 | 816.39 | 11.80 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3780.26 | 3817.26 | 9236.70 | 2438.85 | -96.86 | 9632.26 | 816.16 | 11.81 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 3871.84 | 3908.84 | 9236.70 | 2438.85 | -97.08 | 9637.57 | 814.98 | 11.83 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 3963.43 | 4000.43 | 9236.70 | 2438.85 | -97.29 | 9643.05 | 812.85 | 11.87 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4055.01 | 4092.01 | 9236.70 | 2438.85 | -97.51 | 9648.68 | 809.78 | 11.92 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4146.60 | 4183.60 | 9236.70 | 2438.85 | -97.73 | 9654.49 | 805.76 | 11.99 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4238.18 | 4275.18 | 9236.70 | 2438.85 | -97.94 | 9660.45 | 800.80 | 12.07 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4329.77 | 4366.77 | 9236.70 | 2438.85 | -98.16 | 9666.58 | 794.91 | 12.17 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4421.36 | 4458.36 | 9236.70 | 2438.85 | -98.38 | 9672.87 | 788.09 | 12.28 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4512.94 | 4549.94 | 9236.70 | 2438.85 | -98.59 | 9679.32 | 780.33 | 12.41 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4604.53 | 4641.53 | 9236.70 | 2438.85 | -98.81 | 9685.94 | 771.66 | 12.56 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 4696.11 | 4733.11 | 9236.70 | 2438.85 | -99.02 | 9692.72 | 762.06 | 12.73 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 4787.70 | 4824.70 | 9236.70 | 2438.85 | -99.24 | 9699.66 | 751.56 | 12.92 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 4879.28 | 4916.28 | 9236.70 | 2438.85 | -99.45 | 9706.76 | 740.15 | 13.13 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 4970.87 | 5007.87 | 9236.70 | 2438.85 | -99.67 | 9714.02 | 727.85 | 13.36 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5062.45 | 5099.45 | 9236.70 | 2438.85 | -99.88 | 9721.44 | 714.66 | 13.62 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5154.04 | 5191.04 | 9236.70 | 2438.85 | -100.09 | 9729.02 | 700.60 | 13.90 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5245.62 | 5282.62 | 9236.70 | 2438.85 | -100.31 | 9736.76 | 685.67 | 14.21 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5337.21 | 5374.21 | 9236.70 | 2438.85 | -100.52 | 9744.66 | 669.89 | 14.56 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWP Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5428.79 | 5465.79 | 9236.70 | 2438.85 | -100.73 | 9752.72 | 653.27 | 14.94 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5520.38 | 5557.38 | 9236.70 | 2438.85 | -100.95 | 9760.94 | 635.84 | 15.37 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5611.96 | 5648.96 | 9236.70 | 2438.85 | -101.16 | 9769.31 | 617.61 | 15.83 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 5703.55 | 5740.55 | 9236.70 | 2438.85 | -101.37 | 9777.84 | 598.61 | 16.35 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 5795.13 | 5832.13 | 9236.70 | 2438.85 | -101.58 | 9786.53 | 578.87 | 16.93 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 5886.72 | 5923.72 | 9236.70 | 2438.85 | -101.80 | 9795.38 | 558.42 | 17.56 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 5978.30 | 6015.30 | 9236.70 | 2438.85 | -102.01 | 9804.39 | 537.32 | 18.27 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6069.89 | 6106.89 | 9236.70 | 2438.85 | -102.22 | 9813.55 | 515.61 | 19.06 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6161.47 | 6198.47 | 9236.70 | 2438.85 | -102.43 | 9822.86 | 493.37 | 19.94 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6253.06 | 6290.06 | 9236.70 | 2438.85 | -102.64 | 9832.33 | 470.68 | 20.92 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6344.65 | 6381.65 | 9236.70 | 2438.85 | -102.85 | 9841.96 | 447.68 | 22.02 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6436.23 | 6473.23 | 9236.70 | 2438.85 | -103.06 | 9851.74 | 424.50 | 23.24 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 6527.82 | 6564.82 | 9236.70 | 2438.85 | -103.27 | 9861.67 | 401.37 | 24.61 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 6619.40 | 6656.40 | 9236.70 | 2438.85 | -103.48 | 9871.76 | 378.55 | 26.12 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 6710.99 | 6747.99 | 9236.70 | 2438.85 | -103.68 | 9882.00 | 356.44 | 27.78 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 6802.57 | 6839.57 | 9236.70 | 2438.85 | -103.89 | 9892.39 | 335.57 | 29.54 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 6894.16 | 6931.16 | 9236.70 | 2438.85 | -104.10 | 9902.93 | 316.66 | 31.34 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 6985.74 | 7022.74 | 9236.70 | 2438.85 | -104.31 | 9913.63 | 300.68 | 33.05 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7077.33 | 7114.33 | 9236.70 | 2438.85 | -104.51 | 9924.47 | 288.80 | 34.45 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7168.91 | 7205.91 | 9236.70 | 2438.85 | -104.72 | 9935.47 | 282.34 | 35.28 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7198.47 | 7235.47 | 9236.70 | 2438.85 | -104.79 | 9939.05 | 281.61 | 35.38 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7260.77 | 7297.77 | 9236.70 | 2438.85 | -89.22 | 9942.63 | 282.44 | 35.29 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7352.43 | 7389.43 | 9236.70 | 2438.85 | -67.12 | 9933.43 | 289.87 | 34.35 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7441.21 | 7478.21 | 9236.70 | 2438.85 | -50.87 | 9907.24 | 304.05 | 32.66 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7524.43 | 7561.43 | 9236.70 | 2438.85 | -40.46 | 9864.84 | 322.98 | 30.61 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 7599.55 | 7636.55 | 9236.70 | 2438.85 | -33.99 | 9807.50 | 344.31 | 28.54 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 7664.29 | 7701.29 | 9236.70 | 2438.85 | -30.04 | 9736.92 | 365.75 | 26.67 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 7716.67 | 7753.67 | 9236.70 | 2438.85 | -27.85 | 9655.20 | 385.24 | 25.11 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 7755.12 | 7792.12 | 9236.70 | 2438.85 | -27.28 | 9564.80 | 401.08 | 23.89 | PASS |
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 7778.47 | 7815.47 | 9236.70 | 2438.85 | -29.71 | 9468.42 | 411.94 | 23.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 8 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 9372.09 | 416.82 | 22.52 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 9368.98 | 416.88 | 22.51 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 9269.01 | 418.88 | 22.16 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 9169.03 | 420.93 | 21.82 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 9069.06 | 423.04 | 21.47 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8969.09 | 425.20 | 21.13 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8869.12 | 427.42 | 20.78 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8769.15 | 429.70 | 20.44 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8669.18 | 432.04 | 20.10 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8569.21 | 434.45 | 19.76 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8469.24 | 436.92 | 19.41 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8369.27 | 439.47 | 19.07 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8269.30 | 442.08 | 18.73 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8169.34 | 444.78 | 18.39 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 8069.37 | 447.55 | 18.06 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7969.41 | 450.40 | 17.72 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7869.44 | 453.34 | 17.38 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7769.48 | 456.36 | 17.05 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7669.52 | 459.48 | 16.72 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7569.56 | 462.69 | 16.38 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7469.60 | 466.01 | 16.05 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7369.64 | 469.42 | 15.72 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7269.68 | 472.95 | 15.39 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7169.72 | 476.58 | 15.06 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 7069.77 | 480.34 | 14.74 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6969.81 | 484.21 | 14.41 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6869.86 | 488.22 | 14.09 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6769.91 | 492.36 | 13.77 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6669.96 | 496.64 | 13.45 | PASS |
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6570.01 | 501.07 | 13.13 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6470.07 | 505.65 | 12.81 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6370.12 | 510.39 | 12.50 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6270.18 | 515.30 | 12.18 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6170.24 | 520.39 | 11.87 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 6070.30 | 525.67 | 11.56 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5970.36 | 531.15 | 11.25 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5870.42 | 536.83 | 10.95 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5770.49 | 542.73 | 10.65 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5670.56 | 548.85 | 10.34 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5570.63 | 555.22 | 10.04 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5470.71 | 561.85 | 9.75 | PASS |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5370.78 | 568.74 | 9.45 | PASS |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5270.86 | 575.93 | 9.16 | PASS |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5170.95 | 583.41 | 8.87 | PASS |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 5071.03 | 591.21 | 8.59 | PASS |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4971.12 | 599.36 | 8.30 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4871.22 | 607.86 | 8.02 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4771.31 | 616.75 | 7.74 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4671.42 | 626.05 | 7.47 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4571.52 | 635.79 | 7.20 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4471.63 | 645.99 | 6.93 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4371.75 | 656.69 | 6.66 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4271.87 | 667.92 | 6.40 | PASS |
| 13913.00† | 7823.00 | 5070.35 | 2655.81 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4172.00 | 679.72 | 6.14 | PASS |
| 14013.00† | 7823.00 | 5170.35 | 2655.72 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 4072.13 | 692.14 | 5.89 | PASS |
| 14113.00† | 7823.00 | 5270.35 | 2655.62 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3972.27 | 705.22 | 5.64 | PASS |
| 14213.00† | 7823.00 | 5370.35 | 2655.52 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3872.42 | 719.01 | 5.39 | PASS |
| 14313.00† | 7823.00 | 5470.35 | 2655.42 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3772.57 | 733.57 | 5.15 | PASS |
| 14413.00† | 7823.00 | 5570.35 | 2655.32 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3672.74 | 748.95 | 4.91 | PASS |
| 14513.00† | 7823.00 | 5670.35 | 2655.23 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3572.91 | 765.25 | 4.67 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 10 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14613.00† | 7823.00 | 5770.35 | 2655.13 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3473.09 | 782.51 | 4.44 | PASS |
| 14713.00† | 7823.00 | 5870.35 | 2655.03 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3373.29 | 800.85 | 4.21 | PASS |
| 14813.00† | 7823.00 | 5970.35 | 2654.93 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3273.49 | 820.35 | 3.99 | PASS |
| 14913.00† | 7823.00 | 6070.35 | 2654.83 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3173.71 | 841.12 | 3.78 | PASS |
| 15013.00† | 7823.00 | 6170.35 | 2654.74 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 3073.94 | 863.29 | 3.56 | PASS |
| 15113.00† | 7823.00 | 6270.35 | 2654.64 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2974.19 | 887.00 | 3.35 | PASS |
| 15213.00† | 7823.00 | 6370.35 | 2654.54 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2874.46 | 912.40 | 3.15 | PASS |
| 15313.00† | 7823.00 | 6470.35 | 2654.44 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2774.74 | 939.68 | 2.95 | PASS |
| 15413.00† | 7823.00 | 6570.35 | 2654.34 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2675.05 | 969.06 | 2.76 | PASS |
| 15513.00† | 7823.00 | 6670.35 | 2654.25 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2575.38 | 1000.76 | 2.57 | PASS |
| 15613.00† | 7823.00 | 6770.35 | 2654.15 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2475.73 | 1035.07 | 2.39 | PASS |
| 15713.00† | 7823.00 | 6870.35 | 2654.05 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2376.12 | 1072.32 | 2.22 | PASS |
| 15813.00† | 7823.00 | 6970.35 | 2653.95 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2276.54 | 1112.89 | 2.05 | PASS |
| 15913.00† | 7823.00 | 7070.35 | 2653.85 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2177.00 | 1157.24 | 1.88 | PASS |
| 16013.00† | 7823.00 | 7170.35 | 2653.76 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 2077.50 | 1205.89 | 1.72 | PASS |
| 16113.00† | 7823.00 | 7270.35 | 2653.66 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1978.05 | 1259.50 | 1.57 | PASS |
| 16213.00† | 7823.00 | 7370.35 | 2653.56 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1878.66 | 1318.83 | 1.42 | PASS |
| 16313.00† | 7823.00 | 7470.35 | 2653.46 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1779.34 | 1384.85 | 1.29 | PASS |
| 16413.00† | 7823.00 | 7570.35 | 2653.36 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1680.10 | 1458.71 | 1.15 | PASS |
| 16513.00† | 7823.00 | 7670.35 | 2653.27 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1580.96 | 1541.88 | 1.03 | PASS |
| 16613.00† | 7823.00 | 7770.35 | 2653.17 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1481.93 | 1636.17 | 0.91 | FAIL |
| 16713.00† | 7823.00 | 7870.35 | 2653.07 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1383.04 | 1743.94 | 0.79 | FAIL |
| 16813.00† | 7823.00 | 7970.35 | 2652.97 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1284.33 | 1868.21 | 0.69 | FAIL |
| 16913.00† | 7823.00 | 8070.35 | 2652.87 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1185.83 | 2012.98 | 0.59 | FAIL |
| 17013.00† | 7823.00 | 8170.35 | 2652.78 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 1087.60 | 2183.63 | 0.50 | FAIL |
| 17113.00† | 7823.00 | 8270.35 | 2652.68 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 989.73 | 2387.53 | 0.41 | FAIL |
| 17213.00† | 7823.00 | 8370.35 | 2652.58 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 892.33 | 2635.04 | 0.34 | FAIL |
| 17313.00† | 7823.00 | 8470.35 | 2652.48 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 795.57 | 2941.12 | 0.27 | FAIL |
| 17413.00† | 7823.00 | 8570.35 | 2652.38 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 699.73 | 3327.96 | 0.21 | FAIL |
| 17513.00† | 7823.00 | 8670.35 | 2652.29 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 605.24 | 3829.50 | 0.16 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 11 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

| Facility: SEC.35-T1S-R66W Slot: SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) Well: BOX ELDER FARMS 41-35 #5 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 17613.00† | 7823.00 | 8770.35 | 2652.19 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 512.83 | 4498.79 | 0.11 | FAIL |
| 17713.00† | 7823.00 | 8870.35 | 2652.09 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 423.89 | 5418.42 | 0.08 | FAIL |
| 17813.00† | 7823.00 | 8970.35 | 2651.99 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 341.14 | 6703.84 | 0.05 | FAIL |
| 17913.00† | 7823.00 | 9070.35 | 2651.89 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 270.30 | 8425.70 | 0.03 | FAIL |
| 18013.00† | 7823.00 | 9170.35 | 2651.80 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 223.04 | 10170.79 | 0.02 | FAIL |
| 18078.70† | 7823.00 | 9236.05 | 2651.73 | 7785.10 | 7822.10 | 9236.70 | 2438.85 | -89.76 | 212.88 | 10629.13 | 0.02 | FAIL |
| 18078.75† | 7823.00 | 9236.10 | 2651.73 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 212.88 | 10630.46 | 0.02 | FAIL |
| 18113.00† | 7823.00 | 9270.35 | 2651.70 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 215.49 | 10489.11 | 0.02 | FAIL |
| 18213.00† | 7823.00 | 9370.35 | 2651.60 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 251.24 | 8967.18 | 0.03 | FAIL |
| 18313.00† | 7823.00 | 9470.35 | 2651.50 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 315.93 | 7111.59 | 0.04 | FAIL |
| 18413.00† | 7823.00 | 9570.35 | 2651.40 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 395.60 | 5667.55 | 0.07 | FAIL |
| 18444.07 | 7823.00 | 9601.41 | 2651.37 | 7786.00 | 7823.00 | 9236.70 | 2438.85 | -90.00 | 422.11 | 5308.99 | 0.08 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------------|------------------------------|
| 0.00 | 8315.00 | BHI Drift Indicator - Estimated Azimuth (Standard) | ASSUMED VERTICAL TO TD <8315> | BOX ELDER FARMS 41-35 #5 AWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

OFFSET WELLPATH REFERENCE - Offset Wellbore: BOX ELDER FARMS 41-35 #5 AWB Offset Wellpath: BOX ELDER FARMS 41-35 #5BOX ELDER FARMS 41-35 #5 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#01 EX BOX ELDER FARMS 41-35 #5 (660'FNL & 660'FEL, SEC.35, PA, 8315) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 3.00 | 13.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 50.08 | 143.02 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 103.00 | 113.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 52.42 | 136.53 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 203.00 | 213.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 54.77 | 130.59 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 303.00 | 313.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 57.12 | 125.14 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 403.00 | 413.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 59.47 | 120.11 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 503.00 | 513.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 61.83 | 115.47 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 603.00 | 613.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 64.19 | 111.17 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 703.00 | 713.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 66.56 | 107.16 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 803.00 | 813.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 68.93 | 103.43 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 890.00 | 900.00 | 6610.19 | 2444.66 | 20.30 | 7047.76 | 71.00 | 100.39 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 903.00 | 913.00 | 6610.19 | 2444.66 | -85.93 | 7047.76 | 71.31 | 99.95 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1002.97 | 1012.97 | 6610.19 | 2444.66 | -85.95 | 7047.60 | 73.68 | 96.69 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1102.80 | 1112.80 | 6610.19 | 2444.66 | -86.00 | 7047.20 | 76.07 | 93.62 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1202.38 | 1212.38 | 6610.19 | 2444.66 | -86.09 | 7046.57 | 78.45 | 90.74 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1301.57 | 1311.57 | 6610.19 | 2444.66 | -86.21 | 7045.71 | 80.83 | 88.03 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1400.26 | 1410.26 | 6610.19 | 2444.66 | -86.36 | 7044.65 | 83.22 | 85.47 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1498.33 | 1508.33 | 6610.19 | 2444.66 | -86.54 | 7043.42 | 85.61 | 83.04 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1595.66 | 1605.66 | 6610.19 | 2444.66 | -86.74 | 7042.04 | 88.02 | 80.73 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1692.13 | 1702.13 | 6610.19 | 2444.66 | -86.98 | 7040.54 | 90.45 | 78.53 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1787.62 | 1797.62 | 6610.19 | 2444.66 | -87.24 | 7038.98 | 92.81 | 76.42 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1882.02 | 1892.02 | 6610.19 | 2444.66 | -87.53 | 7037.38 | 95.30 | 74.39 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1975.21 | 1985.21 | 6610.19 | 2444.66 | -87.83 | 7035.81 | 97.83 | 72.43 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2040.26 | 2050.26 | 6610.19 | 2444.66 | -88.06 | 7034.74 | 99.66 | 71.09 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2067.14 | 2077.14 | 6610.19 | 2444.66 | -88.15 | 7034.31 | 100.42 | 70.54 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2158.72 | 2168.72 | 6610.19 | 2444.66 | -88.45 | 7033.01 | 103.07 | 68.70 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2250.31 | 2260.31 | 6610.19 | 2444.66 | -88.75 | 7031.94 | 105.77 | 66.92 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2341.90 | 2351.90 | 6610.19 | 2444.66 | -89.05 | 7031.09 | 108.53 | 65.20 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2433.48 | 2443.48 | 6610.19 | 2444.66 | -89.35 | 7030.48 | 111.34 | 63.54 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2525.07 | 2535.07 | 6610.19 | 2444.66 | -89.65 | 7030.09 | 114.20 | 61.94 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2616.65 | 2626.65 | 6610.19 | 2444.66 | -89.95 | 7029.94 | 117.10 | 60.39 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2708.24 | 2718.24 | 6610.19 | 2444.66 | -90.25 | 7030.01 | 120.04 | 58.91 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2799.82 | 2809.82 | 6610.19 | 2444.66 | -90.55 | 7030.32 | 123.01 | 57.48 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2891.41 | 2901.41 | 6610.19 | 2444.66 | -90.85 | 7030.85 | 126.02 | 56.10 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2982.99 | 2992.99 | 6610.19 | 2444.66 | -91.15 | 7031.61 | 129.07 | 54.78 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3074.58 | 3084.58 | 6610.19 | 2444.66 | -91.45 | 7032.60 | 132.14 | 53.50 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3166.16 | 3176.16 | 6610.19 | 2444.66 | -91.74 | 7033.82 | 135.24 | 52.28 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3257.75 | 3267.75 | 6610.19 | 2444.66 | -92.04 | 7035.27 | 138.36 | 51.11 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3349.33 | 3359.33 | 6610.19 | 2444.66 | -92.34 | 7036.95 | 141.50 | 49.98 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3440.92 | 3450.92 | 6610.19 | 2444.66 | -92.64 | 7038.85 | 144.66 | 48.89 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3532.50 | 3542.50 | 6610.19 | 2444.66 | -92.94 | 7040.99 | 147.84 | 47.85 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3624.09 | 3634.09 | 6610.19 | 2444.66 | -93.24 | 7043.35 | 151.04 | 46.85 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3715.67 | 3725.67 | 6610.19 | 2444.66 | -93.54 | 7045.94 | 154.26 | 45.88 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3807.26 | 3817.26 | 6610.19 | 2444.66 | -93.84 | 7048.76 | 157.48 | 44.96 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 3898.84 | 3908.84 | 6610.19 | 2444.66 | -94.14 | 7051.81 | 160.72 | 44.07 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 3990.43 | 4000.43 | 6610.19 | 2444.66 | -94.43 | 7055.08 | 163.97 | 43.21 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4082.01 | 4092.01 | 6610.19 | 2444.66 | -94.73 | 7058.58 | 167.23 | 42.38 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4173.60 | 4183.60 | 6610.19 | 2444.66 | -95.03 | 7062.31 | 170.50 | 41.59 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4265.18 | 4275.18 | 6610.19 | 2444.66 | -95.33 | 7066.26 | 173.78 | 40.82 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4356.77 | 4366.77 | 6610.19 | 2444.66 | -95.62 | 7070.44 | 177.07 | 40.09 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4448.36 | 4458.36 | 6610.19 | 2444.66 | -95.92 | 7074.84 | 180.36 | 39.38 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4539.94 | 4549.94 | 6610.19 | 2444.66 | -96.22 | 7079.47 | 183.66 | 38.69 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4631.53 | 4641.53 | 6610.19 | 2444.66 | -96.51 | 7084.33 | 186.96 | 38.03 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 4723.11 | 4733.11 | 6610.19 | 2444.66 | -96.81 | 7089.40 | 190.27 | 37.40 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 4814.70 | 4824.70 | 6610.19 | 2444.66 | -97.10 | 7094.70 | 193.58 | 36.78 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 4906.28 | 4916.28 | 6610.19 | 2444.66 | -97.40 | 7100.23 | 196.90 | 36.19 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 4997.87 | 5007.87 | 6610.19 | 2444.66 | -97.69 | 7105.98 | 200.22 | 35.61 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5089.45 | 5099.45 | 6610.19 | 2444.66 | -97.99 | 7111.95 | 203.54 | 35.06 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5181.04 | 5191.04 | 6610.19 | 2444.66 | -98.28 | 7118.14 | 206.86 | 34.53 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5272.62 | 5282.62 | 6610.19 | 2444.66 | -98.57 | 7124.55 | 210.19 | 34.01 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5364.21 | 5374.21 | 6610.19 | 2444.66 | -98.87 | 7131.18 | 213.51 | 33.51 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5455.79 | 5465.79 | 6610.19 | 2444.66 | -99.16 | 7138.03 | 216.84 | 33.02 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5547.38 | 5557.38 | 6610.19 | 2444.66 | -99.45 | 7145.10 | 220.17 | 32.55 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5638.96 | 5648.96 | 6610.19 | 2444.66 | -99.74 | 7152.39 | 223.49 | 32.10 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 5730.55 | 5740.55 | 6610.19 | 2444.66 | -100.03 | 7159.90 | 226.82 | 31.66 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 5822.13 | 5832.13 | 6610.19 | 2444.66 | -100.32 | 7167.62 | 230.15 | 31.24 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 5913.72 | 5923.72 | 6610.19 | 2444.66 | -100.61 | 7175.56 | 233.48 | 30.82 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6005.30 | 6015.30 | 6610.19 | 2444.66 | -100.90 | 7183.72 | 236.80 | 30.42 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6096.89 | 6106.89 | 6610.19 | 2444.66 | -101.19 | 7192.09 | 240.13 | 30.04 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6188.47 | 6198.47 | 6610.19 | 2444.66 | -101.48 | 7200.67 | 243.45 | 29.66 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6280.06 | 6290.06 | 6610.19 | 2444.66 | -101.77 | 7209.47 | 246.77 | 29.30 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6371.65 | 6381.65 | 6610.19 | 2444.66 | -102.05 | 7218.48 | 250.09 | 28.94 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6463.23 | 6473.23 | 6610.19 | 2444.66 | -102.34 | 7227.70 | 253.41 | 28.60 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 6554.82 | 6564.82 | 6610.19 | 2444.66 | -102.63 | 7237.14 | 256.73 | 28.27 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 6646.40 | 6656.40 | 6610.19 | 2444.66 | -102.91 | 7246.78 | 260.04 | 27.94 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 6737.99 | 6747.99 | 6610.19 | 2444.66 | -103.20 | 7256.64 | 263.35 | 27.63 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 6829.57 | 6839.57 | 6610.19 | 2444.66 | -103.48 | 7266.70 | 266.66 | 27.32 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 6921.16 | 6931.16 | 6610.19 | 2444.66 | -103.76 | 7276.97 | 269.96 | 27.02 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 7012.74 | 7022.74 | 6610.19 | 2444.66 | -104.04 | 7287.44 | 273.27 | 26.73 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7104.33 | 7114.33 | 6610.19 | 2444.66 | -104.33 | 7298.12 | 276.57 | 26.45 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7195.91 | 7205.91 | 6610.19 | 2444.66 | -104.61 | 7309.01 | 279.86 | 26.18 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7225.47 | 7235.47 | 6610.19 | 2444.66 | -104.70 | 7312.57 | 280.92 | 26.09 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7287.77 | 7297.77 | 6610.19 | 2444.66 | -89.18 | 7316.11 | 283.18 | 25.90 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7379.43 | 7389.43 | 6610.19 | 2444.66 | -67.16 | 7306.91 | 286.67 | 25.55 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7468.21 | 7478.21 | 6610.19 | 2444.66 | -50.98 | 7280.77 | 290.26 | 25.14 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7551.43 | 7561.43 | 6610.19 | 2444.66 | -40.66 | 7238.47 | 293.59 | 24.71 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 7626.55 | 7636.55 | 6610.19 | 2444.66 | -34.30 | 7181.26 | 296.56 | 24.27 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 7691.29 | 7701.29 | 6610.19 | 2444.66 | -30.50 | 7110.82 | 299.07 | 23.83 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 7743.67 | 7753.67 | 6610.19 | 2444.66 | -28.54 | 7029.25 | 301.08 | 23.40 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 7782.12 | 7792.12 | 6610.19 | 2444.66 | -28.39 | 6938.98 | 302.55 | 22.99 | PASS |
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 7805.47 | 7815.47 | 6610.19 | 2444.66 | -31.91 | 6842.70 | 303.45 | 22.60 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6746.41 | 303.79 | 22.26 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6743.30 | 303.80 | 22.25 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6643.35 | 303.88 | 21.91 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6543.40 | 303.96 | 21.58 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6443.46 | 304.04 | 21.24 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6343.51 | 304.13 | 20.90 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6243.56 | 304.22 | 20.57 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6143.62 | 304.32 | 20.23 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 6043.68 | 304.42 | 19.90 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5943.74 | 304.52 | 19.56 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5843.81 | 304.63 | 19.23 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5743.87 | 304.74 | 18.89 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5643.94 | 304.85 | 18.55 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5544.01 | 304.97 | 18.22 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5444.08 | 305.10 | 17.88 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5344.16 | 305.23 | 17.55 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5244.24 | 305.36 | 17.21 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5144.32 | 305.50 | 16.88 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 5044.40 | 305.65 | 16.54 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4944.49 | 305.80 | 16.20 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4844.58 | 305.96 | 15.87 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4744.68 | 306.12 | 15.53 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4644.78 | 306.30 | 15.20 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4544.88 | 306.48 | 14.86 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4444.99 | 306.67 | 14.53 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4345.10 | 306.86 | 14.19 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4245.22 | 307.07 | 13.85 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4145.35 | 307.29 | 13.52 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 4045.48 | 307.51 | 13.18 | PASS |
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3945.62 | 307.75 | 12.85 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3845.76 | 308.00 | 12.51 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3745.92 | 308.27 | 12.18 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3646.08 | 308.54 | 11.84 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3546.25 | 308.84 | 11.51 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3446.43 | 309.15 | 11.17 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3346.62 | 309.47 | 10.84 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3246.82 | 309.82 | 10.50 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3147.03 | 310.19 | 10.17 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 3047.26 | 310.58 | 9.83 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2947.51 | 311.00 | 9.50 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2847.77 | 311.44 | 9.16 | PASS |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2748.05 | 311.92 | 8.83 | PASS |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2648.35 | 312.43 | 8.49 | PASS |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2548.68 | 312.98 | 8.16 | PASS |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2449.03 | 313.58 | 7.83 | PASS |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2349.42 | 314.22 | 7.49 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2249.83 | 314.92 | 7.16 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2150.29 | 315.68 | 6.82 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 2050.79 | 316.51 | 6.49 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1951.34 | 317.43 | 6.16 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1851.95 | 318.44 | 5.83 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1752.63 | 319.56 | 5.49 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1653.39 | 320.81 | 5.16 | PASS |
| 13913.00† | 7823.00 | 5070.35 | 2655.81 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1554.25 | 322.23 | 4.83 | PASS |
| 14013.00† | 7823.00 | 5170.35 | 2655.72 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1455.22 | 323.82 | 4.50 | PASS |
| 14113.00† | 7823.00 | 5270.35 | 2655.62 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1356.34 | 325.65 | 4.17 | PASS |
| 14213.00† | 7823.00 | 5370.35 | 2655.52 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1257.64 | 327.75 | 3.84 | PASS |
| 14313.00† | 7823.00 | 5470.35 | 2655.42 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1159.16 | 330.21 | 3.52 | PASS |
| 14413.00† | 7823.00 | 5570.35 | 2655.32 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 1060.96 | 333.10 | 3.19 | PASS |
| 14513.00† | 7823.00 | 5670.35 | 2655.23 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 963.14 | 336.55 | 2.87 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 14613.00† | 7823.00 | 5770.35 | 2655.13 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 865.81 | 340.75 | 2.54 | PASS |
| 14713.00† | 7823.00 | 5870.35 | 2655.03 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 769.17 | 345.93 | 2.23 | PASS |
| 14813.00† | 7823.00 | 5970.35 | 2654.93 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 673.50 | 352.47 | 1.91 | PASS |
| 14913.00† | 7823.00 | 6070.35 | 2654.83 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 579.31 | 360.91 | 1.61 | PASS |
| 15013.00† | 7823.00 | 6170.35 | 2654.74 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 487.43 | 372.05 | 1.31 | PASS |
| 15113.00† | 7823.00 | 6270.35 | 2654.64 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 399.48 | 386.91 | 1.03 | PASS |
| 15213.00† | 7823.00 | 6370.35 | 2654.54 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 318.71 | 406.21 | 0.78 | FAIL |
| 15313.00† | 7823.00 | 6470.35 | 2654.44 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 252.12 | 426.74 | 0.59 | FAIL |
| 15413.00† | 7823.00 | 6570.35 | 2654.34 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 213.44 | 430.80 | 0.49 | FAIL |
| 15429.63† | 7823.00 | 6586.98 | 2654.33 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 210.95 | 427.71 | 0.49 | FAIL |
| 15453.19† | 7823.00 | 6610.54 | 2654.30 | 7813.14 | 7823.14 | 6610.19 | 2444.66 | -90.04 | 209.65 | 421.10 | 0.50 | FAIL |
| 15513.00† | 7823.00 | 6670.35 | 2654.25 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 218.05 | 394.36 | 0.55 | FAIL |
| 15613.00† | 7823.00 | 6770.35 | 2654.15 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 263.70 | 339.96 | 0.78 | FAIL |
| 15713.00† | 7823.00 | 6870.35 | 2654.05 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 333.96 | 299.84 | 1.11 | PASS |
| 15813.00† | 7823.00 | 6970.35 | 2653.95 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 416.56 | 277.62 | 1.50 | PASS |
| 15913.00† | 7823.00 | 7070.35 | 2653.85 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 505.48 | 267.77 | 1.89 | PASS |
| 16013.00† | 7823.00 | 7170.35 | 2653.76 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 597.92 | 264.88 | 2.26 | PASS |
| 16113.00† | 7823.00 | 7270.35 | 2653.66 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 692.46 | 265.28 | 2.61 | PASS |
| 16213.00† | 7823.00 | 7370.35 | 2653.56 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 788.34 | 266.99 | 2.96 | PASS |
| 16313.00† | 7823.00 | 7470.35 | 2653.46 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 885.14 | 269.11 | 3.30 | PASS |
| 16413.00† | 7823.00 | 7570.35 | 2653.36 | 7813.00 | 7823.00 | 6610.19 | 2444.66 | -90.00 | 982.58 | 271.26 | 3.63 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

WELLPATH COMPOSITION - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|-------------------------|---------------------------------------|
| 0.00 | 8360.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8360> | SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#1 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#02 EX CHAMPLIN 117 AMOCO G#1 (1980'FSL & 660'FEL, SEC.35, PA,8360) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

| Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) Well: CARLSON #1 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 40.00 | 13.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 50.94 | 94.32 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 140.00 | 113.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 53.29 | 90.11 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 240.00 | 213.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 55.63 | 86.25 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 340.00 | 313.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 57.99 | 82.70 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 440.00 | 413.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 60.34 | 79.43 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 540.00 | 513.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 62.70 | 76.40 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 640.00 | 613.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 65.07 | 73.59 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 740.00 | 713.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 67.44 | 70.97 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 840.00 | 813.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 69.81 | 68.53 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 927.00 | 900.00 | 4031.24 | 2474.45 | 31.54 | 4730.09 | 71.88 | 66.54 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 940.00 | 913.00 | 4031.24 | 2474.45 | -74.68 | 4730.09 | 72.18 | 66.25 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1039.97 | 1012.97 | 4031.24 | 2474.45 | -74.72 | 4729.51 | 74.56 | 64.11 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1139.80 | 1112.80 | 4031.24 | 2474.45 | -74.81 | 4728.01 | 76.95 | 62.08 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1239.38 | 1212.38 | 4031.24 | 2474.45 | -74.96 | 4725.61 | 79.34 | 60.16 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1338.57 | 1311.57 | 4031.24 | 2474.45 | -75.17 | 4722.33 | 81.72 | 58.35 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1437.26 | 1410.26 | 4031.24 | 2474.45 | -75.44 | 4718.20 | 84.12 | 56.62 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1535.33 | 1508.33 | 4031.24 | 2474.45 | -75.76 | 4713.25 | 86.51 | 54.98 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1632.66 | 1605.66 | 4031.24 | 2474.45 | -76.14 | 4707.54 | 88.92 | 53.41 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1729.13 | 1702.13 | 4031.24 | 2474.45 | -76.56 | 4701.11 | 91.35 | 51.91 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1824.62 | 1797.62 | 4031.24 | 2474.45 | -77.04 | 4694.04 | 93.71 | 50.47 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1919.02 | 1892.02 | 4031.24 | 2474.45 | -77.56 | 4686.38 | 96.19 | 49.07 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2012.21 | 1985.21 | 4031.24 | 2474.45 | -78.13 | 4678.21 | 98.72 | 47.72 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2077.26 | 2050.26 | 4031.24 | 2474.45 | -78.55 | 4672.18 | 100.53 | 46.80 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2104.14 | 2077.14 | 4031.24 | 2474.45 | -78.68 | 4669.65 | 101.30 | 46.42 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2195.72 | 2168.72 | 4031.24 | 2474.45 | -79.13 | 4661.24 | 103.93 | 45.15 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2287.31 | 2260.31 | 4031.24 | 2474.45 | -79.57 | 4653.17 | 106.62 | 43.93 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2378.90 | 2351.90 | 4031.24 | 2474.45 | -80.02 | 4645.42 | 109.37 | 42.74 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2470.48 | 2443.48 | 4031.24 | 2474.45 | -80.47 | 4638.01 | 112.18 | 41.60 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2562.07 | 2535.07 | 4031.24 | 2474.45 | -80.92 | 4630.94 | 115.03 | 40.50 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2653.65 | 2626.65 | 4031.24 | 2474.45 | -81.37 | 4624.21 | 117.92 | 39.45 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) Well: CARLSON #1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2745.24 | 2718.24 | 4031.24 | 2474.45 | -81.82 | 4617.81 | 120.86 | 38.43 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2836.82 | 2809.82 | 4031.24 | 2474.45 | -82.27 | 4611.76 | 123.84 | 37.45 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2928.41 | 2901.41 | 4031.24 | 2474.45 | -82.73 | 4606.04 | 126.85 | 36.51 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3019.99 | 2992.99 | 4031.24 | 2474.45 | -83.18 | 4600.67 | 129.90 | 35.61 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3111.58 | 3084.58 | 4031.24 | 2474.45 | -83.64 | 4595.65 | 132.98 | 34.74 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3203.16 | 3176.16 | 4031.24 | 2474.45 | -84.09 | 4590.97 | 136.08 | 33.91 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3294.75 | 3267.75 | 4031.24 | 2474.45 | -84.55 | 4586.64 | 139.22 | 33.11 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3386.33 | 3359.33 | 4031.24 | 2474.45 | -85.01 | 4582.65 | 142.38 | 32.34 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3477.92 | 3450.92 | 4031.24 | 2474.45 | -85.47 | 4579.01 | 145.56 | 31.61 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3569.50 | 3542.50 | 4031.24 | 2474.45 | -85.93 | 4575.73 | 148.75 | 30.90 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3661.09 | 3634.09 | 4031.24 | 2474.45 | -86.39 | 4572.79 | 151.97 | 30.23 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3752.67 | 3725.67 | 4031.24 | 2474.45 | -86.85 | 4570.21 | 155.21 | 29.58 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3844.26 | 3817.26 | 4031.24 | 2474.45 | -87.31 | 4567.97 | 158.46 | 28.95 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 3935.84 | 3908.84 | 4031.24 | 2474.45 | -87.77 | 4566.09 | 161.72 | 28.35 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4027.43 | 4000.43 | 4031.24 | 2474.45 | -88.23 | 4564.56 | 164.99 | 27.78 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4119.01 | 4092.01 | 4031.24 | 2474.45 | -88.69 | 4563.38 | 168.28 | 27.23 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4210.60 | 4183.60 | 4031.24 | 2474.45 | -89.15 | 4562.56 | 171.58 | 26.70 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4302.18 | 4275.18 | 4031.24 | 2474.45 | -89.62 | 4562.09 | 174.88 | 26.19 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4393.77 | 4366.77 | 4031.24 | 2474.45 | -90.08 | 4561.97 | 178.19 | 25.70 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4485.36 | 4458.36 | 4031.24 | 2474.45 | -90.54 | 4562.21 | 181.51 | 25.23 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4576.94 | 4549.94 | 4031.24 | 2474.45 | -91.00 | 4562.79 | 184.84 | 24.78 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4668.53 | 4641.53 | 4031.24 | 2474.45 | -91.46 | 4563.74 | 188.17 | 24.34 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 4760.11 | 4733.11 | 4031.24 | 2474.45 | -91.92 | 4565.03 | 191.50 | 23.92 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 4851.70 | 4824.70 | 4031.24 | 2474.45 | -92.39 | 4566.68 | 194.84 | 23.52 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 4943.28 | 4916.28 | 4031.24 | 2474.45 | -92.85 | 4568.68 | 198.18 | 23.13 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5034.87 | 5007.87 | 4031.24 | 2474.45 | -93.31 | 4571.03 | 201.52 | 22.76 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5126.45 | 5099.45 | 4031.24 | 2474.45 | -93.77 | 4573.74 | 204.86 | 22.40 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5218.04 | 5191.04 | 4031.24 | 2474.45 | -94.23 | 4576.79 | 208.20 | 22.05 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5309.62 | 5282.62 | 4031.24 | 2474.45 | -94.69 | 4580.19 | 211.55 | 21.72 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5401.21 | 5374.21 | 4031.24 | 2474.45 | -95.14 | 4583.95 | 214.89 | 21.40 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) Well: CARLSON #1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5492.79 | 5465.79 | 4031.24 | 2474.45 | -95.60 | 4588.05 | 218.23 | 21.09 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5584.38 | 5557.38 | 4031.24 | 2474.45 | -96.06 | 4592.50 | 221.57 | 20.79 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5675.96 | 5648.96 | 4031.24 | 2474.45 | -96.52 | 4597.29 | 224.91 | 20.50 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 5767.55 | 5740.55 | 4031.24 | 2474.45 | -96.97 | 4602.43 | 228.24 | 20.22 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 5859.13 | 5832.13 | 4031.24 | 2474.45 | -97.43 | 4607.92 | 231.58 | 19.96 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 5950.72 | 5923.72 | 4031.24 | 2474.45 | -97.88 | 4613.75 | 234.91 | 19.70 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6042.30 | 6015.30 | 4031.24 | 2474.45 | -98.33 | 4619.92 | 238.23 | 19.45 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6133.89 | 6106.89 | 4031.24 | 2474.45 | -98.78 | 4626.43 | 241.56 | 19.21 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6225.47 | 6198.47 | 4031.24 | 2474.45 | -99.23 | 4633.27 | 244.87 | 18.97 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6317.06 | 6290.06 | 4031.24 | 2474.45 | -99.68 | 4640.46 | 248.19 | 18.75 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6408.65 | 6381.65 | 4031.24 | 2474.45 | -100.13 | 4647.98 | 251.49 | 18.53 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6500.23 | 6473.23 | 4031.24 | 2474.45 | -100.58 | 4655.84 | 254.80 | 18.32 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 6591.82 | 6564.82 | 4031.24 | 2474.45 | -101.02 | 4664.03 | 258.09 | 18.12 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 6683.40 | 6656.40 | 4031.24 | 2474.45 | -101.47 | 4672.54 | 261.38 | 17.92 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 6774.99 | 6747.99 | 4031.24 | 2474.45 | -101.91 | 4681.39 | 264.67 | 17.73 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 6866.57 | 6839.57 | 4031.24 | 2474.45 | -102.35 | 4690.57 | 267.95 | 17.55 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 6958.16 | 6931.16 | 4031.24 | 2474.45 | -102.79 | 4700.07 | 271.22 | 17.37 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 7049.74 | 7022.74 | 4031.24 | 2474.45 | -103.23 | 4709.89 | 274.49 | 17.20 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7141.33 | 7114.33 | 4031.24 | 2474.45 | -103.67 | 4720.03 | 277.75 | 17.03 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7232.91 | 7205.91 | 4031.24 | 2474.45 | -104.10 | 4730.50 | 281.00 | 16.87 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7262.47 | 7235.47 | 4031.24 | 2474.45 | -104.24 | 4733.94 | 282.04 | 16.82 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7324.77 | 7297.77 | 4031.24 | 2474.45 | -88.83 | 4737.28 | 284.27 | 16.70 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7416.43 | 7389.43 | 4031.24 | 2474.45 | -66.96 | 4727.88 | 287.70 | 16.47 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7505.21 | 7478.21 | 4031.24 | 2474.45 | -50.93 | 4701.66 | 291.23 | 16.18 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7588.43 | 7561.43 | 4031.24 | 2474.45 | -40.77 | 4659.37 | 294.52 | 15.86 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 7663.55 | 7636.55 | 4031.24 | 2474.45 | -34.60 | 4602.26 | 297.44 | 15.51 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 7728.29 | 7701.29 | 4031.24 | 2474.45 | -31.03 | 4531.98 | 299.93 | 15.14 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 7780.67 | 7753.67 | 4031.24 | 2474.45 | -29.43 | 4450.60 | 301.93 | 14.77 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 7819.12 | 7792.12 | 4031.24 | 2474.45 | -29.91 | 4360.51 | 303.40 | 14.40 | PASS |
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 7842.47 | 7815.47 | 4031.24 | 2474.45 | -34.99 | 4264.37 | 304.31 | 14.04 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) Well: CARLSON #1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 4168.17 | 304.68 | 13.71 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 4165.06 | 304.68 | 13.70 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 4065.16 | 304.79 | 13.37 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3965.26 | 304.91 | 13.03 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3865.37 | 305.03 | 12.70 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3765.49 | 305.15 | 12.37 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3665.61 | 305.29 | 12.03 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3565.73 | 305.43 | 11.70 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3465.87 | 305.59 | 11.37 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3366.01 | 305.75 | 11.03 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3266.16 | 305.92 | 10.70 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3166.32 | 306.10 | 10.37 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 3066.50 | 306.30 | 10.03 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2966.68 | 306.50 | 9.70 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2866.87 | 306.73 | 9.37 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2767.08 | 306.97 | 9.03 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2667.31 | 307.22 | 8.70 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2567.55 | 307.50 | 8.37 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2467.82 | 307.79 | 8.03 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2368.10 | 308.12 | 7.70 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2268.41 | 308.47 | 7.37 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2168.75 | 308.85 | 7.04 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 2069.12 | 309.26 | 6.70 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1969.53 | 309.72 | 6.37 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1869.98 | 310.22 | 6.04 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1770.49 | 310.78 | 5.71 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1671.05 | 311.40 | 5.38 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1571.68 | 312.10 | 5.04 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1472.41 | 312.89 | 4.71 | PASS |
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1373.23 | 313.79 | 4.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) Well: CARLSON #1 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1274.19 | 314.82 | 4.05 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1175.30 | 316.01 | 3.73 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 1076.63 | 317.41 | 3.40 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 978.22 | 319.07 | 3.07 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 880.17 | 321.08 | 2.75 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 782.61 | 323.54 | 2.42 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 685.76 | 326.63 | 2.10 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 589.96 | 330.58 | 1.79 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 495.83 | 335.76 | 1.48 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 404.51 | 342.65 | 1.18 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 318.46 | 351.62 | 0.91 | FAIL |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 243.32 | 361.17 | 0.67 | FAIL |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 192.33 | 360.34 | 0.53 | FAIL |
| 12847.49† | 7823.00 | 4004.84 | 2656.86 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 184.30 | 353.13 | 0.52 | FAIL |
| 12874.63† | 7823.00 | 4031.98 | 2656.83 | 7849.86 | 7822.86 | 4031.24 | 2474.45 | -89.96 | 182.38 | 344.23 | 0.53 | FAIL |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 186.49 | 327.94 | 0.57 | FAIL |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 229.27 | 285.22 | 0.80 | FAIL |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 300.58 | 265.43 | 1.13 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 384.89 | 263.46 | 1.46 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 475.31 | 267.03 | 1.78 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 568.96 | 271.20 | 2.10 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 664.45 | 274.85 | 2.42 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 761.11 | 277.87 | 2.74 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 858.53 | 280.34 | 3.07 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 7850.00 | 7823.00 | 4031.24 | 2474.45 | -90.00 | 956.48 | 282.39 | 3.39 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|-------------------------|----------------|
| 0.00 | 8400.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8400> | CARLSON #1 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CARLSON #1 AWB Offset Wellpath: CARLSON #1 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX CARLSON #1 (660'FNL & 660'FEL, SEC.02,8400, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.07 | -30.02 | -90.14 | 30.02 | 1.40 | 48.70 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.07 | -30.02 | -90.14 | 30.02 | 1.72 | 31.92 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.07 | -30.02 | -90.14 | 30.02 | 2.28 | 19.75 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.07 | -30.02 | -90.14 | 30.02 | 2.88 | 14.04 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.07 | -30.02 | -90.14 | 30.02 | 3.50 | 10.84 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.07 | -30.02 | -90.14 | 30.02 | 4.12 | 8.82 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.07 | -30.02 | -90.14 | 30.02 | 4.74 | 7.42 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.07 | -30.02 | -90.14 | 30.02 | 5.36 | 6.41 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.07 | -30.02 | -90.14 | 30.02 | 5.99 | 5.64 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.07 | -30.02 | -90.14 | 30.02 | 6.53 | 5.10 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.07 | -30.02 | 163.66 | 30.05 | 6.61 | 5.03 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.07 | -30.02 | 164.75 | 32.17 | 7.35 | 4.79 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.97 | 1112.97 | -0.08 | -29.99 | 166.99 | 37.65 | 8.35 | 4.88 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1214.13 | 1214.10 | -0.81 | -27.87 | 168.88 | 44.48 | 9.38 | 5.09 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1315.54 | 1315.34 | -2.70 | -22.35 | 170.07 | 51.33 | 10.60 | 5.16 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1417.20 | 1416.56 | -5.75 | -13.42 | 170.81 | 58.18 | 11.72 | 5.26 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1519.12 | 1517.62 | -9.98 | -1.06 | 171.24 | 65.00 | 12.78 | 5.36 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1621.28 | 1618.41 | -15.38 | 14.73 | 171.45 | 71.78 | 13.80 | 5.46 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1723.69 | 1718.77 | -21.96 | 33.96 | 171.49 | 78.51 | 14.78 | 5.56 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1826.34 | 1818.59 | -29.71 | 56.64 | 171.40 | 85.18 | 15.66 | 5.65 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1929.24 | 1917.71 | -38.64 | 82.75 | 171.21 | 91.78 | 16.63 | 5.72 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2032.38 | 2016.01 | -48.75 | 112.28 | 170.94 | 98.31 | 17.61 | 5.78 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2105.39 | 2084.88 | -56.59 | 135.20 | 170.71 | 102.87 | 18.26 | 5.82 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2135.77 | 2113.35 | -60.01 | 145.22 | 170.60 | 104.61 | 18.56 | 5.82 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2238.35 | 2208.68 | -72.27 | 181.04 | 170.00 | 108.39 | 19.35 | 5.78 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2338.30 | 2301.24 | -84.48 | 216.75 | 169.34 | 111.30 | 20.17 | 5.68 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2438.25 | 2393.79 | -96.69 | 252.46 | 168.72 | 114.22 | 21.04 | 5.58 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2538.20 | 2486.34 | -108.91 | 288.16 | 168.13 | 117.16 | 21.97 | 5.48 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2638.15 | 2578.89 | -121.12 | 323.87 | 167.57 | 120.10 | 22.95 | 5.37 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2738.10 | 2671.44 | -133.33 | 359.58 | 167.04 | 123.06 | 23.97 | 5.26 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 27 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2838.05 | 2763.99 | -145.55 | 395.28 | 166.53 | 126.03 | 25.04 | 5.15 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2938.00 | 2856.55 | -157.76 | 430.99 | 166.05 | 129.01 | 26.15 | 5.04 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3037.95 | 2949.10 | -169.98 | 466.70 | 165.58 | 131.99 | 27.29 | 4.94 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3137.90 | 3041.65 | -182.19 | 502.41 | 165.14 | 134.99 | 28.47 | 4.84 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3237.85 | 3134.20 | -194.40 | 538.11 | 164.72 | 137.99 | 29.67 | 4.74 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3337.80 | 3226.75 | -206.62 | 573.82 | 164.31 | 141.00 | 30.91 | 4.65 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3437.75 | 3319.30 | -218.83 | 609.53 | 163.93 | 144.02 | 32.17 | 4.55 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3537.70 | 3411.86 | -231.04 | 645.23 | 163.55 | 147.04 | 33.46 | 4.47 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3637.65 | 3504.41 | -243.26 | 680.94 | 163.20 | 150.07 | 34.78 | 4.38 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3737.60 | 3596.96 | -255.47 | 716.65 | 162.85 | 153.10 | 36.11 | 4.30 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3837.55 | 3689.51 | -267.68 | 752.36 | 162.52 | 156.14 | 37.47 | 4.23 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3937.50 | 3782.06 | -279.90 | 788.06 | 162.21 | 159.19 | 38.84 | 4.16 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4037.45 | 3874.61 | -292.11 | 823.77 | 161.90 | 162.24 | 40.23 | 4.09 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4137.40 | 3967.16 | -304.32 | 859.48 | 161.61 | 165.29 | 41.64 | 4.02 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4237.34 | 4059.72 | -316.54 | 895.18 | 161.32 | 168.35 | 43.06 | 3.96 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4337.29 | 4152.27 | -328.75 | 930.89 | 161.05 | 171.41 | 44.50 | 3.90 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4437.24 | 4244.82 | -340.96 | 966.60 | 160.79 | 174.48 | 45.95 | 3.84 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4537.19 | 4337.37 | -353.18 | 1002.31 | 160.53 | 177.55 | 47.42 | 3.79 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4637.14 | 4429.92 | -365.39 | 1038.01 | 160.29 | 180.62 | 48.89 | 3.73 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4737.09 | 4522.47 | -377.61 | 1073.72 | 160.05 | 183.69 | 50.38 | 3.68 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4837.04 | 4615.03 | -389.82 | 1109.43 | 159.82 | 186.77 | 51.88 | 3.64 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4936.99 | 4707.58 | -402.03 | 1145.13 | 159.60 | 189.86 | 53.38 | 3.59 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 5036.94 | 4800.13 | -414.25 | 1180.84 | 159.38 | 192.94 | 54.90 | 3.55 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5136.89 | 4892.68 | -426.46 | 1216.55 | 159.17 | 196.03 | 56.43 | 3.51 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5236.84 | 4985.23 | -438.67 | 1252.26 | 158.97 | 199.12 | 57.96 | 3.47 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5336.79 | 5077.78 | -450.89 | 1287.96 | 158.77 | 202.21 | 59.50 | 3.43 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5436.74 | 5170.34 | -463.10 | 1323.67 | 158.59 | 205.30 | 61.05 | 3.39 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5536.69 | 5262.89 | -475.31 | 1359.38 | 158.40 | 208.40 | 62.61 | 3.36 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5636.64 | 5355.44 | -487.53 | 1395.08 | 158.22 | 211.50 | 64.18 | 3.32 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5736.59 | 5447.99 | -499.74 | 1430.79 | 158.05 | 214.60 | 65.75 | 3.29 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 28 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5836.54 | 5540.54 | -511.95 | 1466.50 | 157.88 | 217.70 | 67.32 | 3.26 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5936.49 | 5633.09 | -524.17 | 1502.21 | 157.72 | 220.81 | 68.90 | 3.23 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 6036.44 | 5725.65 | -536.38 | 1537.91 | 157.56 | 223.91 | 70.49 | 3.20 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 6136.39 | 5818.20 | -548.60 | 1573.62 | 157.40 | 227.02 | 72.09 | 3.17 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 6236.34 | 5910.75 | -560.81 | 1609.33 | 157.25 | 230.13 | 73.68 | 3.14 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 6336.29 | 6003.30 | -573.02 | 1645.03 | 157.10 | 233.24 | 75.29 | 3.12 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6436.24 | 6095.85 | -585.24 | 1680.74 | 156.96 | 236.35 | 76.89 | 3.09 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6536.19 | 6188.40 | -597.45 | 1716.45 | 156.82 | 239.47 | 78.51 | 3.07 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6636.14 | 6280.96 | -609.66 | 1752.15 | 156.69 | 242.58 | 80.12 | 3.05 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6736.09 | 6373.51 | -621.88 | 1787.86 | 156.55 | 245.70 | 81.74 | 3.02 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6836.04 | 6466.06 | -634.09 | 1823.57 | 156.42 | 248.82 | 83.37 | 3.00 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6935.99 | 6558.61 | -646.30 | 1859.28 | 156.30 | 251.94 | 84.99 | 2.98 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 7035.94 | 6651.16 | -658.52 | 1894.98 | 156.18 | 255.06 | 86.62 | 2.96 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 7135.89 | 6743.71 | -670.73 | 1930.69 | 156.06 | 258.18 | 88.26 | 2.94 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 7235.84 | 6836.26 | -682.94 | 1966.40 | 155.94 | 261.30 | 89.90 | 2.92 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 7335.79 | 6928.82 | -695.16 | 2002.10 | 155.82 | 264.42 | 91.54 | 2.90 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 7438.73 | 7024.27 | -706.26 | 2038.93 | 156.02 | 267.33 | 92.67 | 2.90 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 7543.75 | 7122.04 | -701.94 | 2076.63 | 159.51 | 268.40 | 88.77 | 3.04 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7640.03 | 7209.67 | -681.25 | 2110.41 | 166.15 | 270.26 | 81.06 | 3.35 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7724.03 | 7282.57 | -650.57 | 2138.49 | 174.32 | 278.40 | 74.57 | 3.76 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7748.34 | 7302.81 | -639.59 | 2146.29 | 177.00 | 283.29 | 73.50 | 3.88 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7797.07 | 7341.97 | -614.86 | 2161.37 | -160.77 | 296.86 | 73.13 | 4.09 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7866.35 | 7393.98 | -573.77 | 2181.39 | -129.88 | 322.01 | 74.63 | 4.35 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7933.20 | 7439.42 | -528.02 | 2198.87 | -106.25 | 350.02 | 75.71 | 4.66 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7998.25 | 7478.58 | -478.36 | 2213.93 | -89.85 | 378.07 | 75.13 | 5.07 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 8061.95 | 7511.61 | -425.42 | 2226.61 | -78.62 | 404.18 | 73.06 | 5.58 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 8124.64 | 7538.56 | -369.81 | 2236.95 | -70.89 | 426.96 | 70.16 | 6.14 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 8186.60 | 7559.48 | -312.07 | 2244.96 | -65.63 | 445.47 | 67.16 | 6.69 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 8248.05 | 7574.36 | -252.75 | 2250.64 | -62.23 | 459.06 | 64.81 | 7.15 | PASS |
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 8309.18 | 7583.20 | -192.39 | 2253.99 | -60.32 | 467.32 | 63.75 | 7.40 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 29 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 8368.51 | 7586.00 | -133.16 | 2255.02 | -59.72 | 470.02 | 64.12 | 7.40 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 8371.62 | 7586.00 | -130.05 | 2255.01 | -59.72 | 470.02 | 64.10 | 7.40 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 8471.62 | 7586.00 | -30.05 | 2254.92 | -59.72 | 470.02 | 63.42 | 7.48 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 8571.62 | 7586.00 | 69.95 | 2254.82 | -59.72 | 470.02 | 63.18 | 7.51 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 8671.62 | 7586.00 | 169.95 | 2254.72 | -59.72 | 470.02 | 63.44 | 7.48 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 8771.62 | 7586.00 | 269.95 | 2254.62 | -59.72 | 470.02 | 64.18 | 7.39 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 8871.62 | 7586.00 | 369.95 | 2254.52 | -59.72 | 470.02 | 68.33 | 6.94 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 8971.62 | 7586.00 | 469.95 | 2254.43 | -59.72 | 470.02 | 67.01 | 7.08 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 9071.62 | 7586.00 | 569.95 | 2254.33 | -59.72 | 470.02 | 69.06 | 6.87 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 9171.62 | 7586.00 | 669.95 | 2254.23 | -59.72 | 470.02 | 71.48 | 6.63 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 9271.62 | 7586.00 | 769.95 | 2254.13 | -59.72 | 470.02 | 74.23 | 6.38 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 9371.62 | 7586.00 | 869.95 | 2254.04 | -59.72 | 470.02 | 77.28 | 6.13 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 9471.62 | 7586.00 | 969.95 | 2253.94 | -59.72 | 470.02 | 80.60 | 5.87 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 9571.62 | 7586.00 | 1069.95 | 2253.84 | -59.72 | 470.02 | 84.15 | 5.62 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 9671.62 | 7586.00 | 1169.95 | 2253.74 | -59.72 | 470.02 | 87.91 | 5.38 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 9771.62 | 7586.00 | 1269.95 | 2253.64 | -59.72 | 470.02 | 91.84 | 5.15 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 9871.62 | 7586.00 | 1369.95 | 2253.55 | -59.72 | 470.02 | 95.93 | 4.93 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 9971.62 | 7586.00 | 1469.95 | 2253.45 | -59.72 | 470.02 | 100.16 | 4.72 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 10071.62 | 7586.00 | 1569.95 | 2253.35 | -59.72 | 470.02 | 104.51 | 4.52 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 10171.62 | 7586.00 | 1669.95 | 2253.25 | -59.72 | 470.02 | 108.97 | 4.34 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 10271.62 | 7586.00 | 1769.95 | 2253.16 | -59.72 | 470.02 | 113.52 | 4.16 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 10371.62 | 7586.00 | 1869.95 | 2253.06 | -59.72 | 470.02 | 118.15 | 4.00 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 10471.62 | 7586.00 | 1969.95 | 2252.96 | -59.72 | 470.02 | 122.86 | 3.84 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 10571.62 | 7586.00 | 2069.95 | 2252.86 | -59.72 | 470.02 | 127.63 | 3.70 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 10671.62 | 7586.00 | 2169.95 | 2252.76 | -59.72 | 470.02 | 132.46 | 3.56 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 10771.62 | 7586.00 | 2269.95 | 2252.67 | -59.72 | 470.02 | 137.34 | 3.43 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 10871.62 | 7586.00 | 2369.95 | 2252.57 | -59.72 | 470.02 | 142.27 | 3.32 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 10971.62 | 7586.00 | 2469.95 | 2252.47 | -59.72 | 470.02 | 147.24 | 3.20 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 11071.62 | 7586.00 | 2569.95 | 2252.37 | -59.72 | 470.02 | 152.25 | 3.10 | PASS |
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 11171.62 | 7586.00 | 2669.95 | 2252.28 | -59.72 | 470.02 | 157.30 | 3.00 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 30 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 11271.62 | 7586.00 | 2769.95 | 2252.18 | -59.72 | 470.02 | 162.37 | 2.90 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 11371.62 | 7586.00 | 2869.95 | 2252.08 | -59.72 | 470.02 | 167.47 | 2.81 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 11471.62 | 7586.00 | 2969.95 | 2251.98 | -59.72 | 470.01 | 172.60 | 2.73 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 11571.62 | 7586.00 | 3069.95 | 2251.88 | -59.72 | 470.01 | 177.75 | 2.65 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 11671.62 | 7586.00 | 3169.95 | 2251.79 | -59.72 | 470.01 | 182.92 | 2.58 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 11771.62 | 7586.00 | 3269.95 | 2251.69 | -59.72 | 470.01 | 188.11 | 2.50 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 11871.62 | 7586.00 | 3369.95 | 2251.59 | -59.72 | 470.01 | 193.33 | 2.44 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 11971.62 | 7586.00 | 3469.95 | 2251.49 | -59.72 | 470.01 | 198.55 | 2.37 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 12071.62 | 7586.00 | 3569.95 | 2251.40 | -59.72 | 470.01 | 203.79 | 2.31 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 12171.62 | 7586.00 | 3669.95 | 2251.30 | -59.72 | 470.01 | 209.05 | 2.25 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 12271.62 | 7586.00 | 3769.95 | 2251.20 | -59.72 | 470.01 | 214.32 | 2.20 | PASS |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 12371.62 | 7586.00 | 3869.95 | 2251.10 | -59.72 | 470.01 | 219.60 | 2.14 | PASS |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 12471.62 | 7586.00 | 3969.95 | 2251.00 | -59.72 | 470.01 | 224.90 | 2.09 | PASS |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 12571.62 | 7586.00 | 4069.95 | 2250.91 | -59.72 | 470.01 | 230.20 | 2.04 | PASS |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 12671.62 | 7586.00 | 4169.95 | 2250.81 | -59.72 | 470.01 | 235.51 | 2.00 | PASS |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 12771.62 | 7586.00 | 4269.95 | 2250.71 | -59.72 | 470.01 | 240.84 | 1.95 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 12871.62 | 7586.00 | 4369.95 | 2250.61 | -59.72 | 470.01 | 246.17 | 1.91 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 12971.62 | 7586.00 | 4469.95 | 2250.52 | -59.72 | 470.01 | 251.51 | 1.87 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 13071.62 | 7586.00 | 4569.95 | 2250.42 | -59.72 | 470.01 | 256.85 | 1.83 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 13171.62 | 7586.00 | 4669.95 | 2250.32 | -59.72 | 470.01 | 262.21 | 1.79 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 13271.62 | 7586.00 | 4769.95 | 2250.22 | -59.72 | 470.01 | 267.57 | 1.76 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 13371.62 | 7586.00 | 4869.95 | 2250.12 | -59.72 | 470.01 | 272.93 | 1.72 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 13471.62 | 7586.00 | 4969.95 | 2250.03 | -59.72 | 470.01 | 278.31 | 1.69 | PASS |
| 13913.00† | 7823.00 | 5070.35 | 2655.81 | 13571.62 | 7586.00 | 5069.95 | 2249.93 | -59.72 | 470.01 | 283.69 | 1.66 | PASS |
| 14013.00† | 7823.00 | 5170.35 | 2655.72 | 13671.62 | 7586.00 | 5169.95 | 2249.83 | -59.72 | 470.01 | 289.07 | 1.63 | PASS |
| 14113.00† | 7823.00 | 5270.35 | 2655.62 | 13771.62 | 7586.00 | 5269.95 | 2249.73 | -59.72 | 470.01 | 294.46 | 1.60 | PASS |
| 14213.00† | 7823.00 | 5370.35 | 2655.52 | 13871.62 | 7586.00 | 5369.95 | 2249.64 | -59.72 | 470.01 | 299.85 | 1.57 | PASS |
| 14313.00† | 7823.00 | 5470.35 | 2655.42 | 13971.62 | 7586.00 | 5469.95 | 2249.54 | -59.72 | 470.01 | 305.25 | 1.54 | PASS |
| 14413.00† | 7823.00 | 5570.35 | 2655.32 | 14071.62 | 7586.00 | 5569.95 | 2249.44 | -59.72 | 470.01 | 310.65 | 1.51 | PASS |
| 14513.00† | 7823.00 | 5670.35 | 2655.23 | 14171.62 | 7586.00 | 5669.95 | 2249.34 | -59.72 | 470.01 | 316.06 | 1.49 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 31 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14613.00† | 7823.00 | 5770.35 | 2655.13 | 14271.62 | 7586.00 | 5769.95 | 2249.24 | -59.72 | 470.01 | 321.47 | 1.46 | PASS |
| 14713.00† | 7823.00 | 5870.35 | 2655.03 | 14371.62 | 7586.00 | 5869.95 | 2249.15 | -59.72 | 470.01 | 326.88 | 1.44 | PASS |
| 14813.00† | 7823.00 | 5970.35 | 2654.93 | 14471.62 | 7586.00 | 5969.95 | 2249.05 | -59.72 | 470.01 | 332.30 | 1.42 | PASS |
| 14913.00† | 7823.00 | 6070.35 | 2654.83 | 14571.62 | 7586.00 | 6069.95 | 2248.95 | -59.72 | 470.01 | 337.71 | 1.39 | PASS |
| 15013.00† | 7823.00 | 6170.35 | 2654.74 | 14671.62 | 7586.00 | 6169.95 | 2248.85 | -59.72 | 470.01 | 343.14 | 1.37 | PASS |
| 15113.00† | 7823.00 | 6270.35 | 2654.64 | 14771.62 | 7586.00 | 6269.95 | 2248.76 | -59.72 | 470.01 | 348.56 | 1.35 | PASS |
| 15213.00† | 7823.00 | 6370.35 | 2654.54 | 14871.62 | 7586.00 | 6369.95 | 2248.66 | -59.72 | 470.01 | 353.99 | 1.33 | PASS |
| 15313.00† | 7823.00 | 6470.35 | 2654.44 | 14971.62 | 7586.00 | 6469.95 | 2248.56 | -59.72 | 470.01 | 359.42 | 1.31 | PASS |
| 15413.00† | 7823.00 | 6570.35 | 2654.34 | 15071.62 | 7586.00 | 6569.95 | 2248.46 | -59.72 | 470.01 | 364.86 | 1.29 | PASS |
| 15513.00† | 7823.00 | 6670.35 | 2654.25 | 15171.62 | 7586.00 | 6669.95 | 2248.36 | -59.72 | 470.01 | 370.29 | 1.27 | PASS |
| 15613.00† | 7823.00 | 6770.35 | 2654.15 | 15271.62 | 7586.00 | 6769.95 | 2248.27 | -59.72 | 470.01 | 375.73 | 1.25 | PASS |
| 15713.00† | 7823.00 | 6870.35 | 2654.05 | 15371.62 | 7586.00 | 6869.95 | 2248.17 | -59.72 | 470.01 | 381.17 | 1.23 | PASS |
| 15813.00† | 7823.00 | 6970.35 | 2653.95 | 15471.62 | 7586.00 | 6969.95 | 2248.07 | -59.72 | 470.01 | 386.62 | 1.22 | PASS |
| 15913.00† | 7823.00 | 7070.35 | 2653.85 | 15571.62 | 7586.00 | 7069.95 | 2247.97 | -59.72 | 470.01 | 392.06 | 1.20 | PASS |
| 16013.00† | 7823.00 | 7170.35 | 2653.76 | 15671.62 | 7586.00 | 7169.95 | 2247.88 | -59.72 | 470.01 | 397.51 | 1.18 | PASS |
| 16113.00† | 7823.00 | 7270.35 | 2653.66 | 15771.62 | 7586.00 | 7269.95 | 2247.78 | -59.72 | 470.01 | 402.96 | 1.17 | PASS |
| 16213.00† | 7823.00 | 7370.35 | 2653.56 | 15871.62 | 7586.00 | 7369.95 | 2247.68 | -59.72 | 470.01 | 408.41 | 1.15 | PASS |
| 16313.00† | 7823.00 | 7470.35 | 2653.46 | 15971.62 | 7586.00 | 7469.95 | 2247.58 | -59.72 | 470.01 | 413.86 | 1.14 | PASS |
| 16413.00† | 7823.00 | 7570.35 | 2653.36 | 16071.62 | 7586.00 | 7569.95 | 2247.48 | -59.72 | 470.01 | 419.32 | 1.12 | PASS |
| 16513.00† | 7823.00 | 7670.35 | 2653.27 | 16171.62 | 7586.00 | 7669.95 | 2247.39 | -59.72 | 470.01 | 424.77 | 1.11 | PASS |
| 16613.00† | 7823.00 | 7770.35 | 2653.17 | 16271.62 | 7586.00 | 7769.95 | 2247.29 | -59.72 | 470.01 | 430.23 | 1.09 | PASS |
| 16713.00† | 7823.00 | 7870.35 | 2653.07 | 16371.62 | 7586.00 | 7869.95 | 2247.19 | -59.72 | 470.01 | 435.69 | 1.08 | PASS |
| 16813.00† | 7823.00 | 7970.35 | 2652.97 | 16471.62 | 7586.00 | 7969.95 | 2247.09 | -59.72 | 470.01 | 441.15 | 1.07 | PASS |
| 16913.00† | 7823.00 | 8070.35 | 2652.87 | 16571.62 | 7586.00 | 8069.95 | 2247.00 | -59.72 | 470.01 | 446.61 | 1.05 | PASS |
| 17013.00† | 7823.00 | 8170.35 | 2652.78 | 16671.62 | 7586.00 | 8169.95 | 2246.90 | -59.72 | 470.01 | 452.08 | 1.04 | PASS |
| 17113.00† | 7823.00 | 8270.35 | 2652.68 | 16771.62 | 7586.00 | 8269.95 | 2246.80 | -59.72 | 470.01 | 457.54 | 1.03 | PASS |
| 17213.00† | 7823.00 | 8370.35 | 2652.58 | 16871.62 | 7586.00 | 8369.95 | 2246.70 | -59.72 | 470.01 | 463.01 | 1.02 | PASS |
| 17313.00† | 7823.00 | 8470.35 | 2652.48 | 16971.62 | 7586.00 | 8469.95 | 2246.60 | -59.72 | 470.01 | 468.47 | 1.00 | PASS |
| 17413.00† | 7823.00 | 8570.35 | 2652.38 | 17071.62 | 7586.00 | 8569.95 | 2246.51 | -59.72 | 470.01 | 473.94 | 0.99 | FAIL |
| 17513.00† | 7823.00 | 8670.35 | 2652.29 | 17171.62 | 7586.00 | 8669.95 | 2246.41 | -59.72 | 470.01 | 479.41 | 0.98 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#14 ACKARD NORTH 2-35-4NBH (600'FSL & 2130'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NBH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 17613.00† | 7823.00 | 8770.35 | 2652.19 | 17271.62 | 7586.00 | 8769.95 | 2246.31 | -59.72 | 470.01 | 484.88 | 0.97 | FAIL |
| 17713.00† | 7823.00 | 8870.35 | 2652.09 | 17371.62 | 7586.00 | 8869.95 | 2246.21 | -59.72 | 470.01 | 490.35 | 0.96 | FAIL |
| 17813.00† | 7823.00 | 8970.35 | 2651.99 | 17471.62 | 7586.00 | 8969.95 | 2246.12 | -59.72 | 470.01 | 495.83 | 0.95 | FAIL |
| 17913.00† | 7823.00 | 9070.35 | 2651.89 | 17571.62 | 7586.00 | 9069.95 | 2246.02 | -59.72 | 470.00 | 501.30 | 0.94 | FAIL |
| 18013.00† | 7823.00 | 9170.35 | 2651.80 | 17671.62 | 7586.00 | 9169.95 | 2245.92 | -59.72 | 470.00 | 506.77 | 0.93 | FAIL |
| 18113.00† | 7823.00 | 9270.35 | 2651.70 | 17771.62 | 7586.00 | 9269.95 | 2245.82 | -59.72 | 470.00 | 512.25 | 0.92 | FAIL |
| 18213.00† | 7823.00 | 9370.35 | 2651.60 | 17871.62 | 7586.00 | 9369.95 | 2245.72 | -59.72 | 470.00 | 517.72 | 0.91 | FAIL |
| 18313.00† | 7823.00 | 9470.35 | 2651.50 | 17971.62 | 7586.00 | 9469.95 | 2245.63 | -59.72 | 470.00 | 523.20 | 0.90 | FAIL |
| 18413.00† | 7823.00 | 9570.35 | 2651.40 | 18071.62 | 7586.00 | 9569.95 | 2245.53 | -59.72 | 470.00 | 528.68 | 0.89 | FAIL |
| 18441.37† | 7823.00 | 9598.72 | 2651.38 | 18099.99 | 7586.00 | 9598.32 | 2245.50 | -59.72 | 470.00 | 530.23 | 0.89 | FAIL |
| 18444.07 | 7823.00 | 9601.41 | 2651.37 | 18099.99 | 7586.00 | 9598.32 | 2245.50 | -59.72 | 470.01 | 529.49 | 0.89 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1793.06 | -0.04 | -18.30 | -8.44 | 6.24 |
| 8.5in Open Hole | 1800.00 | 18099.99 | 16299.99 | 1793.06 | 7586.00 | -8.44 | 6.24 | 2925.55 | 675.28 |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0) | | | | |
|--|----------------|--|------------------|------------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 13.00 | 18099.99 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-4NBH |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-4NBH Offset Wellpath: ACKARD NORTH 2-35-4NBH PWP (REV. A.0) | |
|--|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.05 | -15.01 | -90.21 | 15.01 | 1.40 | 23.68 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.05 | -15.01 | -90.21 | 15.01 | 1.72 | 15.52 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.05 | -15.01 | -90.21 | 15.01 | 2.28 | 9.60 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.05 | -15.01 | -90.21 | 15.01 | 2.88 | 6.83 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.05 | -15.01 | -90.21 | 15.01 | 3.50 | 5.27 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.05 | -15.01 | -90.21 | 15.01 | 4.12 | 4.29 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.05 | -15.01 | -90.21 | 15.01 | 4.74 | 3.61 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.05 | -15.01 | -90.21 | 15.01 | 5.36 | 3.12 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.05 | -15.01 | -90.21 | 15.01 | 5.99 | 2.74 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.05 | -15.01 | -90.21 | 15.01 | 6.53 | 2.48 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.05 | -15.01 | 163.60 | 15.04 | 6.61 | 2.45 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1013.05 | 1013.05 | -0.06 | -14.98 | 165.64 | 17.13 | 7.35 | 2.49 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1113.62 | 1113.59 | -0.75 | -12.87 | 167.86 | 20.53 | 8.46 | 2.58 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1214.33 | 1214.13 | -2.53 | -7.39 | 169.18 | 23.96 | 9.74 | 2.59 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1315.15 | 1314.51 | -5.40 | 1.46 | 169.94 | 27.39 | 10.90 | 2.63 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1416.10 | 1414.63 | -9.37 | 13.68 | 170.32 | 30.81 | 11.99 | 2.68 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1517.16 | 1514.36 | -14.44 | 29.27 | 170.43 | 34.22 | 13.02 | 2.73 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1618.35 | 1613.56 | -20.59 | 48.21 | 170.35 | 37.61 | 14.01 | 2.79 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1719.65 | 1712.11 | -27.83 | 70.51 | 170.12 | 40.97 | 14.98 | 2.83 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1821.07 | 1809.88 | -36.15 | 96.13 | 169.78 | 44.31 | 15.85 | 2.88 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1922.61 | 1906.75 | -45.55 | 125.07 | 169.34 | 47.62 | 16.82 | 2.91 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2024.26 | 2002.58 | -56.02 | 157.29 | 168.83 | 50.90 | 17.82 | 2.93 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2096.15 | 2069.59 | -64.05 | 182.02 | 168.44 | 53.20 | 18.50 | 2.95 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2126.03 | 2097.26 | -67.54 | 192.77 | 168.24 | 54.00 | 18.73 | 2.96 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2226.70 | 2189.84 | -79.75 | 230.37 | 167.20 | 55.21 | 19.58 | 2.89 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2326.69 | 2281.70 | -91.95 | 267.92 | 166.15 | 56.21 | 20.49 | 2.81 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2426.68 | 2373.57 | -104.15 | 305.48 | 165.14 | 57.23 | 21.49 | 2.72 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2526.67 | 2465.43 | -116.34 | 343.03 | 164.17 | 58.27 | 22.56 | 2.63 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2626.66 | 2557.29 | -128.54 | 380.58 | 163.23 | 59.32 | 23.70 | 2.55 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2726.65 | 2649.16 | -140.74 | 418.14 | 162.32 | 60.39 | 24.92 | 2.47 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2826.64 | 2741.02 | -152.94 | 455.69 | 161.45 | 61.48 | 26.21 | 2.38 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2926.63 | 2832.88 | -165.13 | 493.24 | 160.60 | 62.57 | 27.56 | 2.30 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3026.62 | 2924.75 | -177.33 | 530.80 | 159.78 | 63.68 | 28.97 | 2.23 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3126.61 | 3016.61 | -189.53 | 568.35 | 159.00 | 64.81 | 30.43 | 2.16 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3226.60 | 3108.48 | -201.73 | 605.90 | 158.24 | 65.94 | 31.96 | 2.09 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3326.59 | 3200.34 | -213.92 | 643.46 | 157.50 | 67.09 | 33.53 | 2.02 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3426.58 | 3292.20 | -226.12 | 681.01 | 156.79 | 68.24 | 35.15 | 1.96 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3526.57 | 3384.07 | -238.32 | 718.56 | 156.10 | 69.41 | 36.81 | 1.90 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3626.56 | 3475.93 | -250.51 | 756.12 | 155.44 | 70.59 | 38.51 | 1.85 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3726.55 | 3567.79 | -262.71 | 793.67 | 154.80 | 71.77 | 40.26 | 1.80 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3826.54 | 3659.66 | -274.91 | 831.22 | 154.18 | 72.97 | 42.03 | 1.75 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3926.53 | 3751.52 | -287.11 | 868.78 | 153.58 | 74.17 | 43.85 | 1.70 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4026.52 | 3843.38 | -299.30 | 906.33 | 153.00 | 75.38 | 45.69 | 1.66 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4126.50 | 3935.25 | -311.50 | 943.88 | 152.43 | 76.60 | 47.56 | 1.62 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4226.49 | 4027.11 | -323.70 | 981.44 | 151.89 | 77.82 | 49.46 | 1.58 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4326.48 | 4118.98 | -335.89 | 1018.99 | 151.36 | 79.05 | 51.39 | 1.55 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4426.47 | 4210.84 | -348.09 | 1056.54 | 150.85 | 80.29 | 53.34 | 1.51 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4526.46 | 4302.70 | -360.29 | 1094.10 | 150.35 | 81.54 | 55.31 | 1.48 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4626.45 | 4394.57 | -372.49 | 1131.65 | 149.87 | 82.79 | 57.31 | 1.45 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4726.44 | 4486.43 | -384.68 | 1169.21 | 149.40 | 84.04 | 59.32 | 1.42 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4826.43 | 4578.29 | -396.88 | 1206.76 | 148.95 | 85.30 | 61.35 | 1.39 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4926.42 | 4670.16 | -409.08 | 1244.31 | 148.51 | 86.57 | 63.40 | 1.37 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 5026.41 | 4762.02 | -421.28 | 1281.87 | 148.08 | 87.84 | 65.47 | 1.35 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5126.40 | 4853.88 | -433.47 | 1319.42 | 147.66 | 89.12 | 67.55 | 1.32 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5226.39 | 4945.75 | -445.67 | 1356.97 | 147.26 | 90.40 | 69.65 | 1.30 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5326.38 | 5037.61 | -457.87 | 1394.53 | 146.87 | 91.69 | 71.76 | 1.28 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5426.37 | 5129.47 | -470.06 | 1432.08 | 146.49 | 92.98 | 73.88 | 1.26 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5526.36 | 5221.34 | -482.26 | 1469.63 | 146.12 | 94.27 | 76.01 | 1.24 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5626.35 | 5313.20 | -494.46 | 1507.19 | 145.76 | 95.57 | 78.16 | 1.22 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5726.34 | 5405.07 | -506.66 | 1544.74 | 145.40 | 96.87 | 80.32 | 1.21 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 36 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5826.33 | 5496.93 | -518.85 | 1582.29 | 145.06 | 98.17 | 82.48 | 1.19 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5926.32 | 5588.79 | -531.05 | 1619.85 | 144.73 | 99.48 | 84.66 | 1.18 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 6026.31 | 5680.66 | -543.25 | 1657.40 | 144.41 | 100.79 | 86.85 | 1.16 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 6126.30 | 5772.52 | -555.44 | 1694.95 | 144.09 | 102.11 | 89.04 | 1.15 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 6226.29 | 5864.38 | -567.64 | 1732.51 | 143.78 | 103.43 | 91.25 | 1.13 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 6326.28 | 5956.25 | -579.84 | 1770.06 | 143.48 | 104.75 | 93.46 | 1.12 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6426.27 | 6048.11 | -592.04 | 1807.61 | 143.19 | 106.07 | 95.68 | 1.11 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6526.26 | 6139.97 | -604.23 | 1845.17 | 142.90 | 107.40 | 97.90 | 1.10 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6626.25 | 6231.84 | -616.43 | 1882.72 | 142.63 | 108.72 | 100.13 | 1.09 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6726.24 | 6323.70 | -628.63 | 1920.27 | 142.35 | 110.05 | 102.37 | 1.08 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6826.23 | 6415.57 | -640.83 | 1957.83 | 142.09 | 111.39 | 104.62 | 1.07 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6926.22 | 6507.43 | -653.02 | 1995.38 | 141.83 | 112.72 | 106.87 | 1.06 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 7026.21 | 6599.29 | -665.22 | 2032.93 | 141.58 | 114.06 | 109.12 | 1.05 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 7126.20 | 6691.16 | -677.42 | 2070.49 | 141.33 | 115.40 | 111.39 | 1.04 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 7226.19 | 6783.02 | -689.61 | 2108.04 | 141.09 | 116.74 | 113.65 | 1.03 | PASS |
| 7295.13† | 6823.20 | -651.83 | 2240.67 | 7309.71 | 6859.78 | -699.57 | 2139.42 | 140.99 | 117.76 | 115.36 | 1.02 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 7329.27 | 6877.82 | -701.07 | 2146.81 | 141.34 | 117.66 | 115.12 | 1.02 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 7436.12 | 6976.43 | -697.50 | 2187.41 | 148.72 | 113.34 | 104.85 | 1.08 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 7534.17 | 7064.85 | -676.87 | 2224.10 | 164.75 | 109.02 | 82.47 | 1.32 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7619.61 | 7138.20 | -645.82 | 2254.78 | -175.19 | 118.59 | 73.31 | 1.62 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7691.68 | 7196.13 | -610.67 | 2279.20 | -158.30 | 151.23 | 86.89 | 1.75 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7712.24 | 7211.86 | -599.22 | 2285.85 | -154.06 | 166.32 | 90.84 | 1.84 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7753.62 | 7242.29 | -574.36 | 2298.79 | -128.73 | 201.13 | 95.44 | 2.12 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7813.27 | 7283.04 | -534.47 | 2316.21 | -96.91 | 253.21 | 95.48 | 2.66 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7871.64 | 7318.97 | -491.19 | 2331.72 | -74.42 | 302.49 | 91.38 | 3.33 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7929.07 | 7350.13 | -444.94 | 2345.32 | -59.80 | 347.00 | 85.12 | 4.10 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 7985.80 | 7376.55 | -396.14 | 2357.00 | -50.34 | 385.69 | 77.86 | 4.99 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 8042.02 | 7398.18 | -345.20 | 2366.76 | -44.11 | 417.89 | 70.44 | 5.98 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 8097.86 | 7414.97 | -292.54 | 2374.56 | -40.00 | 443.15 | 63.69 | 7.02 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 8153.45 | 7426.89 | -238.59 | 2380.38 | -37.39 | 461.17 | 58.50 | 7.97 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 37 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 8208.86 | 7433.91 | -183.77 | 2384.19 | -35.91 | 471.73 | 55.82 | 8.55 | PASS |
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 8264.64 | 7436.00 | -128.08 | 2386.00 | -35.39 | 474.73 | 55.90 | 8.59 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 8267.75 | 7436.00 | -124.98 | 2386.05 | -35.38 | 474.70 | 55.91 | 8.59 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 8367.73 | 7436.00 | -25.01 | 2387.75 | -35.21 | 473.66 | 55.84 | 8.58 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 8467.71 | 7436.00 | 74.96 | 2389.45 | -35.03 | 472.62 | 56.02 | 8.53 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 8567.70 | 7436.00 | 174.93 | 2391.15 | -34.85 | 471.59 | 56.50 | 8.44 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 8667.68 | 7436.00 | 274.90 | 2392.85 | -34.67 | 470.57 | 57.27 | 8.31 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 8767.67 | 7436.00 | 374.87 | 2394.55 | -34.49 | 469.55 | 61.43 | 7.72 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 8867.65 | 7436.00 | 474.84 | 2396.25 | -34.31 | 468.53 | 59.59 | 7.95 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 8967.63 | 7436.00 | 574.81 | 2397.95 | -34.13 | 467.52 | 61.10 | 7.73 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 9067.62 | 7436.00 | 674.78 | 2399.65 | -33.94 | 466.51 | 62.82 | 7.50 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 9167.60 | 7436.00 | 774.75 | 2401.35 | -33.76 | 465.51 | 64.73 | 7.26 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 9267.59 | 7436.00 | 874.72 | 2403.05 | -33.58 | 464.52 | 66.80 | 7.02 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 9367.57 | 7436.00 | 974.69 | 2404.75 | -33.39 | 463.52 | 69.01 | 6.78 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 9467.55 | 7436.00 | 1074.66 | 2406.45 | -33.20 | 462.54 | 71.36 | 6.54 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 9567.54 | 7436.00 | 1174.63 | 2408.15 | -33.02 | 461.55 | 73.81 | 6.30 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 9667.52 | 7436.00 | 1274.60 | 2409.85 | -32.83 | 460.58 | 76.36 | 6.08 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 9767.50 | 7436.00 | 1374.57 | 2411.55 | -32.64 | 459.60 | 79.00 | 5.86 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 9867.49 | 7436.00 | 1474.53 | 2413.25 | -32.45 | 458.64 | 81.70 | 5.65 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 9967.47 | 7436.00 | 1574.50 | 2414.95 | -32.26 | 457.67 | 84.47 | 5.46 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 10067.46 | 7436.00 | 1674.47 | 2416.65 | -32.07 | 456.72 | 87.29 | 5.27 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 10167.44 | 7436.00 | 1774.44 | 2418.35 | -31.88 | 455.77 | 90.15 | 5.09 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 10267.42 | 7436.00 | 1874.41 | 2420.05 | -31.69 | 454.82 | 93.05 | 4.92 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 10367.41 | 7436.00 | 1974.38 | 2421.75 | -31.49 | 453.88 | 95.98 | 4.76 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 10467.39 | 7436.00 | 2074.35 | 2423.45 | -31.30 | 452.94 | 98.93 | 4.60 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 10567.38 | 7436.00 | 2174.32 | 2425.14 | -31.11 | 452.01 | 101.90 | 4.46 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 10667.36 | 7436.00 | 2274.29 | 2426.84 | -30.91 | 451.08 | 104.88 | 4.32 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 10767.34 | 7436.00 | 2374.26 | 2428.54 | -30.71 | 450.16 | 107.88 | 4.19 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 10867.33 | 7436.00 | 2474.23 | 2430.24 | -30.52 | 449.24 | 110.88 | 4.07 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 10967.31 | 7436.00 | 2574.20 | 2431.94 | -30.32 | 448.33 | 113.89 | 3.96 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 38 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 11067.29 | 7436.00 | 2674.17 | 2433.64 | -30.12 | 447.43 | 116.89 | 3.84 | PASS |
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 11167.28 | 7436.00 | 2774.14 | 2435.34 | -29.92 | 446.53 | 119.90 | 3.74 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 11267.26 | 7436.00 | 2874.11 | 2437.04 | -29.72 | 445.64 | 122.90 | 3.64 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 11367.25 | 7436.00 | 2974.08 | 2438.74 | -29.52 | 444.75 | 125.89 | 3.55 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 11467.23 | 7436.00 | 3074.05 | 2440.44 | -29.32 | 443.86 | 128.88 | 3.46 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 11567.21 | 7436.00 | 3174.01 | 2442.14 | -29.11 | 442.99 | 131.86 | 3.37 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 11667.20 | 7436.00 | 3273.98 | 2443.84 | -28.91 | 442.11 | 134.82 | 3.29 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 11767.18 | 7436.00 | 3373.95 | 2445.54 | -28.71 | 441.25 | 137.78 | 3.21 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 11867.16 | 7436.00 | 3473.92 | 2447.24 | -28.50 | 440.39 | 140.72 | 3.14 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 11967.15 | 7436.00 | 3573.89 | 2448.94 | -28.30 | 439.53 | 143.64 | 3.07 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 12067.13 | 7436.00 | 3673.86 | 2450.64 | -28.09 | 438.68 | 146.55 | 3.00 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 12167.12 | 7436.00 | 3773.83 | 2452.34 | -27.88 | 437.84 | 149.44 | 2.94 | PASS |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 12267.10 | 7436.00 | 3873.80 | 2454.04 | -27.67 | 437.00 | 152.32 | 2.88 | PASS |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 12367.08 | 7436.00 | 3973.77 | 2455.74 | -27.46 | 436.17 | 155.17 | 2.82 | PASS |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 12467.07 | 7436.00 | 4073.74 | 2457.44 | -27.25 | 435.34 | 158.01 | 2.76 | PASS |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 12567.05 | 7436.00 | 4173.71 | 2459.14 | -27.04 | 434.52 | 160.83 | 2.71 | PASS |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 12667.04 | 7436.00 | 4273.68 | 2460.84 | -26.83 | 433.71 | 163.62 | 2.66 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 12767.02 | 7436.00 | 4373.65 | 2462.54 | -26.62 | 432.90 | 166.40 | 2.61 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 12867.00 | 7436.00 | 4473.62 | 2464.24 | -26.41 | 432.10 | 169.15 | 2.56 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 12966.99 | 7436.00 | 4573.59 | 2465.94 | -26.19 | 431.30 | 171.89 | 2.52 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 13066.97 | 7436.00 | 4673.56 | 2467.64 | -25.98 | 430.51 | 174.60 | 2.47 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 13166.95 | 7436.00 | 4773.52 | 2469.34 | -25.76 | 429.72 | 177.28 | 2.43 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 13266.94 | 7436.00 | 4873.49 | 2471.04 | -25.55 | 428.94 | 179.95 | 2.39 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 13366.92 | 7436.00 | 4973.46 | 2472.74 | -25.33 | 428.17 | 182.59 | 2.35 | PASS |
| 13913.00† | 7823.00 | 5070.35 | 2655.81 | 13466.91 | 7436.00 | 5073.43 | 2474.44 | -25.11 | 427.41 | 185.20 | 2.31 | PASS |
| 14013.00† | 7823.00 | 5170.35 | 2655.72 | 13566.89 | 7436.00 | 5173.40 | 2476.14 | -24.89 | 426.65 | 187.80 | 2.28 | PASS |
| 14113.00† | 7823.00 | 5270.35 | 2655.62 | 13666.87 | 7436.00 | 5273.37 | 2477.84 | -24.67 | 425.89 | 190.37 | 2.24 | PASS |
| 14213.00† | 7823.00 | 5370.35 | 2655.52 | 13766.86 | 7436.00 | 5373.34 | 2479.54 | -24.45 | 425.14 | 192.91 | 2.21 | PASS |
| 14313.00† | 7823.00 | 5470.35 | 2655.42 | 13866.84 | 7436.00 | 5473.31 | 2481.24 | -24.23 | 424.40 | 195.43 | 2.18 | PASS |
| 14413.00† | 7823.00 | 5570.35 | 2655.32 | 13966.83 | 7436.00 | 5573.28 | 2482.93 | -24.01 | 423.67 | 197.93 | 2.14 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 39 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14513.00† | 7823.00 | 5670.35 | 2655.23 | 14066.81 | 7436.00 | 5673.25 | 2484.63 | -23.79 | 422.94 | 200.40 | 2.11 | PASS |
| 14613.00† | 7823.00 | 5770.35 | 2655.13 | 14166.79 | 7436.00 | 5773.22 | 2486.33 | -23.56 | 422.22 | 202.84 | 2.09 | PASS |
| 14713.00† | 7823.00 | 5870.35 | 2655.03 | 14266.78 | 7436.00 | 5873.19 | 2488.03 | -23.34 | 421.50 | 205.26 | 2.06 | PASS |
| 14813.00† | 7823.00 | 5970.35 | 2654.93 | 14366.76 | 7436.00 | 5973.16 | 2489.73 | -23.12 | 420.79 | 207.66 | 2.03 | PASS |
| 14913.00† | 7823.00 | 6070.35 | 2654.83 | 14466.74 | 7436.00 | 6073.13 | 2491.43 | -22.89 | 420.09 | 210.03 | 2.00 | PASS |
| 15013.00† | 7823.00 | 6170.35 | 2654.74 | 14566.73 | 7436.00 | 6173.10 | 2493.13 | -22.66 | 419.39 | 212.37 | 1.98 | PASS |
| 15113.00† | 7823.00 | 6270.35 | 2654.64 | 14666.71 | 7436.00 | 6273.07 | 2494.83 | -22.44 | 418.71 | 214.69 | 1.95 | PASS |
| 15213.00† | 7823.00 | 6370.35 | 2654.54 | 14766.70 | 7436.00 | 6373.03 | 2496.53 | -22.21 | 418.02 | 216.99 | 1.93 | PASS |
| 15313.00† | 7823.00 | 6470.35 | 2654.44 | 14866.68 | 7436.00 | 6473.00 | 2498.23 | -21.98 | 417.35 | 219.26 | 1.91 | PASS |
| 15413.00† | 7823.00 | 6570.35 | 2654.34 | 14966.66 | 7436.00 | 6572.97 | 2499.93 | -21.75 | 416.68 | 221.51 | 1.88 | PASS |
| 15513.00† | 7823.00 | 6670.35 | 2654.25 | 15066.65 | 7436.00 | 6672.94 | 2501.63 | -21.52 | 416.01 | 223.73 | 1.86 | PASS |
| 15613.00† | 7823.00 | 6770.35 | 2654.15 | 15166.63 | 7436.00 | 6772.91 | 2503.33 | -21.29 | 415.36 | 225.92 | 1.84 | PASS |
| 15713.00† | 7823.00 | 6870.35 | 2654.05 | 15266.62 | 7436.00 | 6872.88 | 2505.03 | -21.06 | 414.71 | 228.10 | 1.82 | PASS |
| 15813.00† | 7823.00 | 6970.35 | 2653.95 | 15366.60 | 7436.00 | 6972.85 | 2506.73 | -20.83 | 414.06 | 230.24 | 1.80 | PASS |
| 15913.00† | 7823.00 | 7070.35 | 2653.85 | 15466.58 | 7436.00 | 7072.82 | 2508.43 | -20.59 | 413.43 | 232.37 | 1.78 | PASS |
| 16013.00† | 7823.00 | 7170.35 | 2653.76 | 15566.57 | 7436.00 | 7172.79 | 2510.13 | -20.36 | 412.80 | 234.47 | 1.76 | PASS |
| 16113.00† | 7823.00 | 7270.35 | 2653.66 | 15666.55 | 7436.00 | 7272.76 | 2511.83 | -20.13 | 412.18 | 236.54 | 1.74 | PASS |
| 16213.00† | 7823.00 | 7370.35 | 2653.56 | 15766.53 | 7436.00 | 7372.73 | 2513.53 | -19.89 | 411.56 | 238.59 | 1.73 | PASS |
| 16313.00† | 7823.00 | 7470.35 | 2653.46 | 15866.52 | 7436.00 | 7472.70 | 2515.23 | -19.66 | 410.95 | 240.62 | 1.71 | PASS |
| 16413.00† | 7823.00 | 7570.35 | 2653.36 | 15966.50 | 7436.00 | 7572.67 | 2516.93 | -19.42 | 410.35 | 242.63 | 1.69 | PASS |
| 16513.00† | 7823.00 | 7670.35 | 2653.27 | 16066.49 | 7436.00 | 7672.64 | 2518.63 | -19.18 | 409.76 | 244.61 | 1.68 | PASS |
| 16613.00† | 7823.00 | 7770.35 | 2653.17 | 16166.47 | 7436.00 | 7772.61 | 2520.33 | -18.95 | 409.17 | 246.57 | 1.66 | PASS |
| 16713.00† | 7823.00 | 7870.35 | 2653.07 | 16266.45 | 7436.00 | 7872.58 | 2522.03 | -18.71 | 408.59 | 248.51 | 1.65 | PASS |
| 16813.00† | 7823.00 | 7970.35 | 2652.97 | 16366.44 | 7436.00 | 7972.55 | 2523.73 | -18.47 | 408.02 | 250.43 | 1.63 | PASS |
| 16913.00† | 7823.00 | 8070.35 | 2652.87 | 16466.42 | 7436.00 | 8072.51 | 2525.43 | -18.23 | 407.45 | 252.32 | 1.62 | PASS |
| 17013.00† | 7823.00 | 8170.35 | 2652.78 | 16566.41 | 7436.00 | 8172.48 | 2527.13 | -17.99 | 406.89 | 254.19 | 1.60 | PASS |
| 17113.00† | 7823.00 | 8270.35 | 2652.68 | 16666.39 | 7436.00 | 8272.45 | 2528.83 | -17.75 | 406.34 | 256.05 | 1.59 | PASS |
| 17213.00† | 7823.00 | 8370.35 | 2652.58 | 16766.37 | 7436.00 | 8372.42 | 2530.53 | -17.50 | 405.80 | 257.88 | 1.58 | PASS |
| 17313.00† | 7823.00 | 8470.35 | 2652.48 | 16866.36 | 7436.00 | 8472.39 | 2532.23 | -17.26 | 405.26 | 259.69 | 1.56 | PASS |
| 17413.00† | 7823.00 | 8570.35 | 2652.38 | 16966.34 | 7436.00 | 8572.36 | 2533.93 | -17.02 | 404.73 | 261.49 | 1.55 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#15 ACKARD NORTH 2-35-4NAH (600'FSL & 2145'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NAH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 17513.00† | 7823.00 | 8670.35 | 2652.29 | 17066.32 | 7436.00 | 8672.33 | 2535.63 | -16.78 | 404.21 | 263.26 | 1.54 | PASS |
| 17613.00† | 7823.00 | 8770.35 | 2652.19 | 17166.31 | 7436.00 | 8772.30 | 2537.33 | -16.53 | 403.69 | 265.02 | 1.52 | PASS |
| 17713.00† | 7823.00 | 8870.35 | 2652.09 | 17266.29 | 7436.00 | 8872.27 | 2539.03 | -16.29 | 403.18 | 266.76 | 1.51 | PASS |
| 17813.00† | 7823.00 | 8970.35 | 2651.99 | 17366.28 | 7436.00 | 8972.24 | 2540.72 | -16.04 | 402.68 | 268.48 | 1.50 | PASS |
| 17913.00† | 7823.00 | 9070.35 | 2651.89 | 17466.26 | 7436.00 | 9072.21 | 2542.42 | -15.79 | 402.19 | 270.18 | 1.49 | PASS |
| 18013.00† | 7823.00 | 9170.35 | 2651.80 | 17566.24 | 7436.00 | 9172.18 | 2544.12 | -15.55 | 401.70 | 271.87 | 1.48 | PASS |
| 18113.00† | 7823.00 | 9270.35 | 2651.70 | 17666.23 | 7436.00 | 9272.15 | 2545.82 | -15.30 | 401.23 | 273.55 | 1.47 | PASS |
| 18213.00† | 7823.00 | 9370.35 | 2651.60 | 17766.21 | 7436.00 | 9372.12 | 2547.52 | -15.05 | 400.75 | 275.20 | 1.46 | PASS |
| 18313.00† | 7823.00 | 9470.35 | 2651.50 | 17866.20 | 7436.00 | 9472.09 | 2549.22 | -14.80 | 400.29 | 276.85 | 1.45 | PASS |
| 18413.00† | 7823.00 | 9570.35 | 2651.40 | 17966.18 | 7436.00 | 9572.06 | 2550.92 | -14.56 | 399.84 | 278.48 | 1.44 | PASS |
| 18444.07 | 7823.00 | 9601.41 | 2651.37 | 17994.78 | 7436.00 | 9600.66 | 2551.41 | -14.48 | 399.70 | 278.52 | 1.44 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1789.64 | -0.03 | -9.15 | -10.48 | 23.02 |
| 8.5in Open Hole | 1800.00 | 17994.78 | 16194.78 | 1789.64 | 7436.00 | -10.48 | 23.02 | 2926.26 | 773.09 |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 17994.78 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-4NAH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-4NAH PWB Offset Wellpath: ACKARD NORTH 2-35-4NAH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.16 | -44.97 | -90.21 | 44.98 | 1.40 | 73.62 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.16 | -44.97 | -90.21 | 44.98 | 1.72 | 48.25 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.16 | -44.97 | -90.21 | 44.98 | 2.28 | 29.86 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.16 | -44.97 | -90.21 | 44.98 | 2.88 | 21.23 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.16 | -44.97 | -90.21 | 44.98 | 3.50 | 16.39 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.16 | -44.97 | -90.21 | 44.98 | 4.12 | 13.33 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.16 | -44.97 | -90.21 | 44.98 | 4.74 | 11.22 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.16 | -44.97 | -90.21 | 44.98 | 5.36 | 9.69 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.16 | -44.97 | -90.21 | 44.98 | 5.99 | 8.52 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.16 | -44.97 | -90.21 | 44.98 | 6.53 | 7.71 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.16 | -44.97 | 163.58 | 45.00 | 6.61 | 7.61 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.16 | -44.97 | 164.33 | 47.12 | 7.35 | 7.08 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.16 | -44.97 | 165.97 | 52.61 | 8.35 | 6.87 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.64 | 1212.64 | -0.18 | -44.95 | 168.00 | 61.52 | 9.28 | 7.16 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1314.35 | 1314.32 | -1.04 | -42.87 | 169.54 | 71.82 | 10.26 | 7.51 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1416.44 | 1416.23 | -3.29 | -37.42 | 170.41 | 82.18 | 11.41 | 7.67 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1518.91 | 1518.25 | -6.94 | -28.59 | 170.84 | 92.55 | 12.50 | 7.84 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1621.75 | 1620.23 | -12.01 | -16.34 | 170.95 | 102.92 | 13.54 | 8.02 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1724.98 | 1722.04 | -18.50 | -0.65 | 170.83 | 113.26 | 14.53 | 8.19 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1828.57 | 1823.54 | -26.42 | 18.49 | 170.54 | 123.57 | 15.43 | 8.34 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1932.53 | 1924.58 | -35.78 | 41.10 | 170.11 | 133.84 | 16.41 | 8.48 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2036.87 | 2025.01 | -46.57 | 67.17 | 169.57 | 144.06 | 17.40 | 8.59 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2110.79 | 2095.53 | -55.05 | 87.69 | 169.13 | 151.24 | 18.09 | 8.66 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2141.57 | 2124.71 | -58.79 | 96.72 | 168.94 | 154.07 | 18.33 | 8.70 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2241.39 | 2219.14 | -71.17 | 126.63 | 168.29 | 163.06 | 19.12 | 8.82 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2340.97 | 2313.33 | -83.51 | 156.47 | 167.71 | 172.07 | 19.94 | 8.91 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2440.55 | 2407.53 | -95.86 | 186.31 | 167.19 | 181.09 | 20.82 | 8.97 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2540.13 | 2501.73 | -108.21 | 216.16 | 166.71 | 190.13 | 21.75 | 9.00 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2639.71 | 2595.92 | -120.56 | 246.00 | 166.28 | 199.18 | 22.71 | 9.02 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2739.29 | 2690.12 | -132.90 | 275.84 | 165.89 | 208.24 | 23.72 | 9.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 43 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2838.87 | 2784.32 | -145.25 | 305.68 | 165.53 | 217.31 | 24.76 | 9.01 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2938.45 | 2878.51 | -157.60 | 335.52 | 165.20 | 226.38 | 25.83 | 8.98 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3038.02 | 2972.71 | -169.95 | 365.37 | 164.89 | 235.46 | 26.92 | 8.95 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3137.60 | 3066.91 | -182.29 | 395.21 | 164.61 | 244.55 | 28.04 | 8.92 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3237.18 | 3161.10 | -194.64 | 425.05 | 164.34 | 253.64 | 29.19 | 8.88 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3336.76 | 3255.30 | -206.99 | 454.89 | 164.10 | 262.74 | 30.35 | 8.84 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3436.34 | 3349.50 | -219.33 | 484.73 | 163.87 | 271.85 | 31.53 | 8.80 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3535.92 | 3443.69 | -231.68 | 514.57 | 163.66 | 280.95 | 32.72 | 8.75 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3635.50 | 3537.89 | -244.03 | 544.42 | 163.46 | 290.06 | 33.93 | 8.71 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3735.08 | 3632.09 | -256.38 | 574.26 | 163.27 | 299.18 | 35.15 | 8.67 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3834.66 | 3726.28 | -268.72 | 604.10 | 163.09 | 308.30 | 36.38 | 8.62 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3934.24 | 3820.48 | -281.07 | 633.94 | 162.93 | 317.42 | 37.63 | 8.58 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4033.82 | 3914.68 | -293.42 | 663.78 | 162.77 | 326.54 | 38.88 | 8.54 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4133.40 | 4008.87 | -305.77 | 693.62 | 162.62 | 335.66 | 40.15 | 8.49 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4232.97 | 4103.07 | -318.11 | 723.47 | 162.48 | 344.79 | 41.42 | 8.45 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4332.55 | 4197.27 | -330.46 | 753.31 | 162.35 | 353.92 | 42.70 | 8.41 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4432.13 | 4291.46 | -342.81 | 783.15 | 162.22 | 363.05 | 43.98 | 8.37 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4531.71 | 4385.66 | -355.15 | 812.99 | 162.10 | 372.18 | 45.27 | 8.34 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4631.29 | 4479.86 | -367.50 | 842.83 | 161.98 | 381.32 | 46.57 | 8.30 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4730.87 | 4574.05 | -379.85 | 872.67 | 161.87 | 390.45 | 47.87 | 8.26 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4830.45 | 4668.25 | -392.20 | 902.52 | 161.77 | 399.59 | 49.18 | 8.23 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4930.03 | 4762.45 | -404.54 | 932.36 | 161.67 | 408.72 | 50.50 | 8.20 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 5029.61 | 4856.64 | -416.89 | 962.20 | 161.57 | 417.86 | 51.81 | 8.16 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5129.19 | 4950.84 | -429.24 | 992.04 | 161.48 | 427.00 | 53.13 | 8.13 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5228.77 | 5045.04 | -441.58 | 1021.88 | 161.40 | 436.15 | 54.46 | 8.10 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5328.34 | 5139.24 | -453.93 | 1051.72 | 161.31 | 445.29 | 55.79 | 8.07 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5427.92 | 5233.43 | -466.28 | 1081.57 | 161.23 | 454.43 | 57.12 | 8.04 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5527.50 | 5327.63 | -478.63 | 1111.41 | 161.15 | 463.57 | 58.45 | 8.02 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5627.08 | 5421.83 | -490.97 | 1141.25 | 161.08 | 472.72 | 59.79 | 7.99 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5726.66 | 5516.02 | -503.32 | 1171.09 | 161.01 | 481.86 | 61.13 | 7.96 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 44 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5826.24 | 5610.22 | -515.67 | 1200.93 | 160.94 | 491.01 | 62.48 | 7.94 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5925.82 | 5704.42 | -528.02 | 1230.77 | 160.87 | 500.16 | 63.82 | 7.91 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 6025.40 | 5798.61 | -540.36 | 1260.62 | 160.81 | 509.31 | 65.17 | 7.89 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 6124.98 | 5892.81 | -552.71 | 1290.46 | 160.75 | 518.45 | 66.52 | 7.87 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 6224.56 | 5987.01 | -565.06 | 1320.30 | 160.69 | 527.60 | 67.87 | 7.85 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 6324.14 | 6081.20 | -577.40 | 1350.14 | 160.63 | 536.75 | 69.22 | 7.82 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6423.72 | 6175.40 | -589.75 | 1379.98 | 160.57 | 545.90 | 70.58 | 7.80 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6523.29 | 6269.60 | -602.10 | 1409.83 | 160.52 | 555.05 | 71.93 | 7.78 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6622.87 | 6363.79 | -614.45 | 1439.67 | 160.47 | 564.20 | 73.29 | 7.76 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6722.45 | 6457.99 | -626.79 | 1469.51 | 160.42 | 573.35 | 74.65 | 7.74 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6822.03 | 6552.19 | -639.14 | 1499.35 | 160.37 | 582.51 | 76.01 | 7.73 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6921.61 | 6646.38 | -651.49 | 1529.19 | 160.32 | 591.66 | 77.38 | 7.71 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 7021.19 | 6740.58 | -663.83 | 1559.03 | 160.28 | 600.81 | 78.74 | 7.69 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 7120.77 | 6834.78 | -676.18 | 1588.88 | 160.23 | 609.96 | 80.11 | 7.67 | PASS |
| 7213.00† | 6747.99 | -642.62 | 2209.01 | 7220.35 | 6928.97 | -688.53 | 1618.72 | 160.19 | 619.12 | 81.47 | 7.66 | PASS |
| 7313.00† | 6839.57 | -653.84 | 2247.56 | 7319.93 | 7023.17 | -700.88 | 1648.56 | 160.15 | 628.27 | 82.84 | 7.64 | PASS |
| 7413.00† | 6931.16 | -665.05 | 2286.11 | 7425.99 | 7123.94 | -707.87 | 1680.48 | 160.66 | 637.02 | 83.44 | 7.69 | PASS |
| 7513.00† | 7022.74 | -676.27 | 2324.67 | 7528.77 | 7221.18 | -696.37 | 1711.26 | 162.75 | 645.02 | 81.76 | 7.95 | PASS |
| 7613.00† | 7114.33 | -687.48 | 2363.22 | 7620.88 | 7305.44 | -670.73 | 1737.92 | 165.89 | 654.07 | 78.82 | 8.36 | PASS |
| 7713.00† | 7205.91 | -698.70 | 2401.77 | 7699.99 | 7373.89 | -637.66 | 1759.56 | 169.44 | 666.62 | 75.75 | 8.87 | PASS |
| 7745.28 | 7235.47 | -702.32 | 2414.22 | 7722.73 | 7392.70 | -626.35 | 1765.51 | 170.59 | 671.80 | 74.88 | 9.05 | PASS |
| 7813.00† | 7297.77 | -705.92 | 2440.44 | 7768.35 | 7429.06 | -601.34 | 1777.00 | -170.17 | 684.34 | 73.43 | 9.40 | PASS |
| 7913.00† | 7389.43 | -696.64 | 2479.00 | 7833.55 | 7477.50 | -560.52 | 1792.30 | -142.84 | 705.58 | 72.21 | 9.86 | PASS |
| 8013.00† | 7478.21 | -670.23 | 2516.34 | 7896.83 | 7519.99 | -515.63 | 1805.71 | -121.72 | 728.45 | 71.67 | 10.25 | PASS |
| 8113.00† | 7561.43 | -627.50 | 2551.32 | 7958.69 | 7556.72 | -467.26 | 1817.30 | -106.93 | 751.32 | 71.34 | 10.63 | PASS |
| 8213.00† | 7636.55 | -569.74 | 2582.87 | 8019.52 | 7587.79 | -415.92 | 1827.08 | -96.63 | 772.82 | 71.01 | 10.98 | PASS |
| 8313.00† | 7701.29 | -498.71 | 2610.05 | 8079.58 | 7613.21 | -362.13 | 1835.08 | -89.38 | 791.82 | 70.61 | 11.32 | PASS |
| 8413.00† | 7753.67 | -416.57 | 2632.01 | 8139.08 | 7632.96 | -306.37 | 1841.28 | -84.34 | 807.45 | 70.22 | 11.61 | PASS |
| 8513.00† | 7792.12 | -325.81 | 2648.11 | 8198.20 | 7647.03 | -249.14 | 1845.68 | -81.01 | 819.03 | 69.96 | 11.82 | PASS |
| 8613.00† | 7815.47 | -229.19 | 2657.83 | 8257.08 | 7655.38 | -190.95 | 1848.27 | -79.11 | 826.13 | 69.92 | 11.93 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 45 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 8709.89 | 7823.00 | -132.76 | 2660.91 | 8314.57 | 7658.00 | -133.54 | 1849.05 | -78.51 | 828.46 | 70.17 | 11.92 | PASS |
| 8713.00† | 7823.00 | -129.65 | 2660.91 | 8317.68 | 7658.00 | -130.43 | 1849.04 | -78.51 | 828.46 | 70.15 | 11.92 | PASS |
| 8813.00† | 7823.00 | -29.65 | 2660.81 | 8417.68 | 7658.00 | -30.43 | 1848.95 | -78.51 | 828.46 | 69.60 | 12.02 | PASS |
| 8913.00† | 7823.00 | 70.35 | 2660.71 | 8517.68 | 7658.00 | 69.57 | 1848.85 | -78.51 | 828.46 | 69.62 | 12.01 | PASS |
| 9013.00† | 7823.00 | 170.35 | 2660.61 | 8617.68 | 7658.00 | 169.57 | 1848.75 | -78.51 | 828.46 | 70.19 | 11.91 | PASS |
| 9113.00† | 7823.00 | 270.35 | 2660.52 | 8717.68 | 7658.00 | 269.57 | 1848.65 | -78.51 | 828.46 | 71.29 | 11.73 | PASS |
| 9213.00† | 7823.00 | 370.35 | 2660.42 | 8817.68 | 7658.00 | 369.57 | 1848.56 | -78.51 | 828.46 | 72.80 | 11.48 | PASS |
| 9313.00† | 7823.00 | 470.35 | 2660.32 | 8917.68 | 7658.00 | 469.57 | 1848.46 | -78.51 | 828.46 | 74.99 | 11.14 | PASS |
| 9413.00† | 7823.00 | 570.35 | 2660.22 | 9017.68 | 7658.00 | 569.57 | 1848.36 | -78.51 | 828.45 | 77.52 | 10.78 | PASS |
| 9513.00† | 7823.00 | 670.35 | 2660.12 | 9117.68 | 7658.00 | 669.57 | 1848.27 | -78.51 | 828.45 | 80.44 | 10.38 | PASS |
| 9613.00† | 7823.00 | 770.35 | 2660.03 | 9217.68 | 7658.00 | 769.57 | 1848.17 | -78.51 | 828.45 | 83.72 | 9.97 | PASS |
| 9713.00† | 7823.00 | 870.35 | 2659.93 | 9317.68 | 7658.00 | 869.57 | 1848.07 | -78.51 | 828.45 | 87.31 | 9.56 | PASS |
| 9813.00† | 7823.00 | 970.35 | 2659.83 | 9417.68 | 7658.00 | 969.57 | 1847.98 | -78.51 | 828.45 | 91.17 | 9.15 | PASS |
| 9913.00† | 7823.00 | 1070.35 | 2659.73 | 9517.68 | 7658.00 | 1069.57 | 1847.88 | -78.51 | 828.45 | 95.28 | 8.75 | PASS |
| 10013.00† | 7823.00 | 1170.35 | 2659.63 | 9617.68 | 7658.00 | 1169.57 | 1847.78 | -78.51 | 828.45 | 99.60 | 8.37 | PASS |
| 10113.00† | 7823.00 | 1270.35 | 2659.54 | 9717.68 | 7658.00 | 1269.57 | 1847.69 | -78.51 | 828.45 | 104.10 | 8.01 | PASS |
| 10213.00† | 7823.00 | 1370.35 | 2659.44 | 9817.68 | 7658.00 | 1369.57 | 1847.59 | -78.51 | 828.45 | 108.76 | 7.66 | PASS |
| 10313.00† | 7823.00 | 1470.35 | 2659.34 | 9917.68 | 7658.00 | 1469.57 | 1847.49 | -78.51 | 828.44 | 113.57 | 7.33 | PASS |
| 10413.00† | 7823.00 | 1570.35 | 2659.24 | 10017.68 | 7658.00 | 1569.57 | 1847.40 | -78.51 | 828.44 | 118.50 | 7.03 | PASS |
| 10513.00† | 7823.00 | 1670.35 | 2659.14 | 10117.68 | 7658.00 | 1669.57 | 1847.30 | -78.51 | 828.44 | 123.54 | 6.74 | PASS |
| 10613.00† | 7823.00 | 1770.35 | 2659.05 | 10217.68 | 7658.00 | 1769.57 | 1847.20 | -78.51 | 828.44 | 128.68 | 6.47 | PASS |
| 10713.00† | 7823.00 | 1870.35 | 2658.95 | 10317.68 | 7658.00 | 1869.56 | 1847.11 | -78.51 | 828.44 | 133.90 | 6.21 | PASS |
| 10813.00† | 7823.00 | 1970.35 | 2658.85 | 10417.68 | 7658.00 | 1969.56 | 1847.01 | -78.51 | 828.44 | 139.20 | 5.98 | PASS |
| 10913.00† | 7823.00 | 2070.35 | 2658.75 | 10517.68 | 7658.00 | 2069.56 | 1846.91 | -78.51 | 828.44 | 144.57 | 5.75 | PASS |
| 11013.00† | 7823.00 | 2170.35 | 2658.65 | 10617.68 | 7658.00 | 2169.56 | 1846.82 | -78.51 | 828.44 | 150.00 | 5.54 | PASS |
| 11113.00† | 7823.00 | 2270.35 | 2658.56 | 10717.68 | 7658.00 | 2269.56 | 1846.72 | -78.51 | 828.43 | 155.48 | 5.35 | PASS |
| 11213.00† | 7823.00 | 2370.35 | 2658.46 | 10817.68 | 7658.00 | 2369.56 | 1846.62 | -78.51 | 828.43 | 161.01 | 5.16 | PASS |
| 11313.00† | 7823.00 | 2470.35 | 2658.36 | 10917.68 | 7658.00 | 2469.56 | 1846.53 | -78.51 | 828.43 | 166.58 | 4.99 | PASS |
| 11413.00† | 7823.00 | 2570.35 | 2658.26 | 11017.68 | 7658.00 | 2569.56 | 1846.43 | -78.51 | 828.43 | 172.19 | 4.83 | PASS |
| 11513.00† | 7823.00 | 2670.35 | 2658.16 | 11117.68 | 7658.00 | 2669.56 | 1846.33 | -78.51 | 828.43 | 177.84 | 4.67 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 46 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 11613.00† | 7823.00 | 2770.35 | 2658.07 | 11217.68 | 7658.00 | 2769.56 | 1846.24 | -78.51 | 828.43 | 183.52 | 4.53 | PASS |
| 11713.00† | 7823.00 | 2870.35 | 2657.97 | 11317.68 | 7658.00 | 2869.56 | 1846.14 | -78.51 | 828.43 | 189.23 | 4.39 | PASS |
| 11813.00† | 7823.00 | 2970.35 | 2657.87 | 11417.68 | 7658.00 | 2969.56 | 1846.04 | -78.51 | 828.43 | 194.97 | 4.26 | PASS |
| 11913.00† | 7823.00 | 3070.35 | 2657.77 | 11517.68 | 7658.00 | 3069.56 | 1845.95 | -78.51 | 828.43 | 200.73 | 4.14 | PASS |
| 12013.00† | 7823.00 | 3170.35 | 2657.67 | 11617.68 | 7658.00 | 3169.56 | 1845.85 | -78.51 | 828.42 | 206.51 | 4.02 | PASS |
| 12113.00† | 7823.00 | 3270.35 | 2657.58 | 11717.68 | 7658.00 | 3269.56 | 1845.75 | -78.51 | 828.42 | 212.31 | 3.91 | PASS |
| 12213.00† | 7823.00 | 3370.35 | 2657.48 | 11817.68 | 7658.00 | 3369.56 | 1845.65 | -78.51 | 828.42 | 218.14 | 3.81 | PASS |
| 12313.00† | 7823.00 | 3470.35 | 2657.38 | 11917.68 | 7658.00 | 3469.56 | 1845.56 | -78.51 | 828.42 | 223.98 | 3.71 | PASS |
| 12413.00† | 7823.00 | 3570.35 | 2657.28 | 12017.68 | 7658.00 | 3569.56 | 1845.46 | -78.51 | 828.42 | 229.83 | 3.61 | PASS |
| 12513.00† | 7823.00 | 3670.35 | 2657.18 | 12117.68 | 7658.00 | 3669.56 | 1845.36 | -78.51 | 828.42 | 235.71 | 3.52 | PASS |
| 12613.00† | 7823.00 | 3770.35 | 2657.09 | 12217.68 | 7658.00 | 3769.56 | 1845.27 | -78.51 | 828.42 | 241.59 | 3.44 | PASS |
| 12713.00† | 7823.00 | 3870.35 | 2656.99 | 12317.68 | 7658.00 | 3869.56 | 1845.17 | -78.51 | 828.42 | 247.49 | 3.35 | PASS |
| 12813.00† | 7823.00 | 3970.35 | 2656.89 | 12417.68 | 7658.00 | 3969.56 | 1845.07 | -78.51 | 828.42 | 253.40 | 3.28 | PASS |
| 12913.00† | 7823.00 | 4070.35 | 2656.79 | 12517.68 | 7658.00 | 4069.56 | 1844.98 | -78.51 | 828.41 | 259.32 | 3.20 | PASS |
| 13013.00† | 7823.00 | 4170.35 | 2656.69 | 12617.68 | 7658.00 | 4169.56 | 1844.88 | -78.51 | 828.41 | 265.25 | 3.13 | PASS |
| 13113.00† | 7823.00 | 4270.35 | 2656.60 | 12717.68 | 7658.00 | 4269.56 | 1844.78 | -78.51 | 828.41 | 271.19 | 3.06 | PASS |
| 13213.00† | 7823.00 | 4370.35 | 2656.50 | 12817.68 | 7658.00 | 4369.56 | 1844.69 | -78.51 | 828.41 | 277.14 | 2.99 | PASS |
| 13313.00† | 7823.00 | 4470.35 | 2656.40 | 12917.68 | 7658.00 | 4469.56 | 1844.59 | -78.51 | 828.41 | 283.10 | 2.93 | PASS |
| 13413.00† | 7823.00 | 4570.35 | 2656.30 | 13017.68 | 7658.00 | 4569.56 | 1844.49 | -78.51 | 828.41 | 289.07 | 2.87 | PASS |
| 13513.00† | 7823.00 | 4670.35 | 2656.20 | 13117.68 | 7658.00 | 4669.56 | 1844.40 | -78.51 | 828.41 | 295.04 | 2.81 | PASS |
| 13613.00† | 7823.00 | 4770.35 | 2656.11 | 13217.68 | 7658.00 | 4769.56 | 1844.30 | -78.51 | 828.41 | 301.02 | 2.76 | PASS |
| 13713.00† | 7823.00 | 4870.35 | 2656.01 | 13317.68 | 7658.00 | 4869.56 | 1844.20 | -78.51 | 828.40 | 307.01 | 2.70 | PASS |
| 13813.00† | 7823.00 | 4970.35 | 2655.91 | 13417.68 | 7658.00 | 4969.56 | 1844.11 | -78.51 | 828.40 | 313.01 | 2.65 | PASS |
| 13913.00† | 7823.00 | 5070.35 | 2655.81 | 13517.68 | 7658.00 | 5069.56 | 1844.01 | -78.51 | 828.40 | 319.01 | 2.60 | PASS |
| 14013.00† | 7823.00 | 5170.35 | 2655.72 | 13617.68 | 7658.00 | 5169.56 | 1843.91 | -78.51 | 828.40 | 325.01 | 2.55 | PASS |
| 14113.00† | 7823.00 | 5270.35 | 2655.62 | 13717.68 | 7658.00 | 5269.56 | 1843.82 | -78.51 | 828.40 | 331.02 | 2.51 | PASS |
| 14213.00† | 7823.00 | 5370.35 | 2655.52 | 13817.68 | 7658.00 | 5369.56 | 1843.72 | -78.51 | 828.40 | 337.04 | 2.46 | PASS |
| 14313.00† | 7823.00 | 5470.35 | 2655.42 | 13917.68 | 7658.00 | 5469.56 | 1843.62 | -78.51 | 828.40 | 343.06 | 2.42 | PASS |
| 14413.00† | 7823.00 | 5570.35 | 2655.32 | 14017.68 | 7658.00 | 5569.56 | 1843.53 | -78.51 | 828.40 | 349.09 | 2.38 | PASS |
| 14513.00† | 7823.00 | 5670.35 | 2655.23 | 14117.68 | 7658.00 | 5669.56 | 1843.43 | -78.51 | 828.40 | 355.12 | 2.34 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 47 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 14613.00† | 7823.00 | 5770.35 | 2655.13 | 14217.68 | 7658.00 | 5769.56 | 1843.33 | -78.51 | 828.39 | 361.15 | 2.30 | PASS |
| 14713.00† | 7823.00 | 5870.35 | 2655.03 | 14317.68 | 7658.00 | 5869.56 | 1843.24 | -78.51 | 828.39 | 367.19 | 2.26 | PASS |
| 14813.00† | 7823.00 | 5970.35 | 2654.93 | 14417.68 | 7658.00 | 5969.56 | 1843.14 | -78.51 | 828.39 | 373.23 | 2.22 | PASS |
| 14913.00† | 7823.00 | 6070.35 | 2654.83 | 14517.68 | 7658.00 | 6069.56 | 1843.04 | -78.51 | 828.39 | 379.27 | 2.19 | PASS |
| 15013.00† | 7823.00 | 6170.35 | 2654.74 | 14617.68 | 7658.00 | 6169.56 | 1842.94 | -78.51 | 828.39 | 385.32 | 2.15 | PASS |
| 15113.00† | 7823.00 | 6270.35 | 2654.64 | 14717.68 | 7658.00 | 6269.56 | 1842.85 | -78.51 | 828.39 | 391.37 | 2.12 | PASS |
| 15213.00† | 7823.00 | 6370.35 | 2654.54 | 14817.68 | 7658.00 | 6369.56 | 1842.75 | -78.51 | 828.39 | 397.42 | 2.09 | PASS |
| 15313.00† | 7823.00 | 6470.35 | 2654.44 | 14917.68 | 7658.00 | 6469.56 | 1842.65 | -78.51 | 828.39 | 403.48 | 2.05 | PASS |
| 15413.00† | 7823.00 | 6570.35 | 2654.34 | 15017.68 | 7658.00 | 6569.56 | 1842.56 | -78.51 | 828.38 | 409.54 | 2.02 | PASS |
| 15513.00† | 7823.00 | 6670.35 | 2654.25 | 15117.68 | 7658.00 | 6669.56 | 1842.46 | -78.51 | 828.38 | 415.60 | 1.99 | PASS |
| 15613.00† | 7823.00 | 6770.35 | 2654.15 | 15217.68 | 7658.00 | 6769.56 | 1842.36 | -78.51 | 828.38 | 421.67 | 1.97 | PASS |
| 15713.00† | 7823.00 | 6870.35 | 2654.05 | 15317.68 | 7658.00 | 6869.56 | 1842.27 | -78.51 | 828.38 | 427.74 | 1.94 | PASS |
| 15813.00† | 7823.00 | 6970.35 | 2653.95 | 15417.68 | 7658.00 | 6969.56 | 1842.17 | -78.51 | 828.38 | 433.81 | 1.91 | PASS |
| 15913.00† | 7823.00 | 7070.35 | 2653.85 | 15517.68 | 7658.00 | 7069.56 | 1842.07 | -78.51 | 828.38 | 439.88 | 1.88 | PASS |
| 16013.00† | 7823.00 | 7170.35 | 2653.76 | 15617.68 | 7658.00 | 7169.56 | 1841.98 | -78.51 | 828.38 | 445.95 | 1.86 | PASS |
| 16113.00† | 7823.00 | 7270.35 | 2653.66 | 15717.68 | 7658.00 | 7269.56 | 1841.88 | -78.51 | 828.38 | 452.03 | 1.83 | PASS |
| 16213.00† | 7823.00 | 7370.35 | 2653.56 | 15817.68 | 7658.00 | 7369.56 | 1841.78 | -78.51 | 828.38 | 458.10 | 1.81 | PASS |
| 16313.00† | 7823.00 | 7470.35 | 2653.46 | 15917.68 | 7658.00 | 7469.56 | 1841.69 | -78.51 | 828.37 | 464.18 | 1.79 | PASS |
| 16413.00† | 7823.00 | 7570.35 | 2653.36 | 16017.68 | 7658.00 | 7569.56 | 1841.59 | -78.51 | 828.37 | 470.27 | 1.76 | PASS |
| 16513.00† | 7823.00 | 7670.35 | 2653.27 | 16117.68 | 7658.00 | 7669.56 | 1841.49 | -78.51 | 828.37 | 476.35 | 1.74 | PASS |
| 16613.00† | 7823.00 | 7770.35 | 2653.17 | 16217.68 | 7658.00 | 7769.56 | 1841.40 | -78.51 | 828.37 | 482.43 | 1.72 | PASS |
| 16713.00† | 7823.00 | 7870.35 | 2653.07 | 16317.68 | 7658.00 | 7869.56 | 1841.30 | -78.51 | 828.37 | 488.52 | 1.70 | PASS |
| 16813.00† | 7823.00 | 7970.35 | 2652.97 | 16417.68 | 7658.00 | 7969.56 | 1841.20 | -78.51 | 828.37 | 494.61 | 1.68 | PASS |
| 16913.00† | 7823.00 | 8070.35 | 2652.87 | 16517.68 | 7658.00 | 8069.56 | 1841.11 | -78.51 | 828.37 | 500.70 | 1.66 | PASS |
| 17013.00† | 7823.00 | 8170.35 | 2652.78 | 16617.68 | 7658.00 | 8169.56 | 1841.01 | -78.51 | 828.37 | 506.79 | 1.64 | PASS |
| 17113.00† | 7823.00 | 8270.35 | 2652.68 | 16717.68 | 7658.00 | 8269.56 | 1840.91 | -78.51 | 828.37 | 512.88 | 1.62 | PASS |
| 17213.00† | 7823.00 | 8370.35 | 2652.58 | 16817.68 | 7658.00 | 8369.56 | 1840.82 | -78.51 | 828.36 | 518.98 | 1.60 | PASS |
| 17313.00† | 7823.00 | 8470.35 | 2652.48 | 16917.68 | 7658.00 | 8469.56 | 1840.72 | -78.51 | 828.36 | 525.07 | 1.58 | PASS |
| 17413.00† | 7823.00 | 8570.35 | 2652.38 | 17017.68 | 7658.00 | 8569.56 | 1840.62 | -78.51 | 828.36 | 531.17 | 1.56 | PASS |
| 17513.00† | 7823.00 | 8670.35 | 2652.29 | 17117.68 | 7658.00 | 8669.56 | 1840.53 | -78.51 | 828.36 | 537.26 | 1.54 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#13 ACKARD NORTH 2-35-4NCH (600'FSL & 2115'FWL, SEC.02) Well: ACKARD NORTH 2-35-4NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 17613.00† | 7823.00 | 8770.35 | 2652.19 | 17217.68 | 7658.00 | 8769.56 | 1840.43 | -78.51 | 828.36 | 543.36 | 1.53 | PASS |
| 17713.00† | 7823.00 | 8870.35 | 2652.09 | 17317.68 | 7658.00 | 8869.56 | 1840.33 | -78.51 | 828.36 | 549.46 | 1.51 | PASS |
| 17813.00† | 7823.00 | 8970.35 | 2651.99 | 17417.68 | 7658.00 | 8969.56 | 1840.24 | -78.51 | 828.36 | 555.56 | 1.49 | PASS |
| 17913.00† | 7823.00 | 9070.35 | 2651.89 | 17517.68 | 7658.00 | 9069.56 | 1840.14 | -78.51 | 828.36 | 561.67 | 1.48 | PASS |
| 18013.00† | 7823.00 | 9170.35 | 2651.80 | 17617.68 | 7658.00 | 9169.56 | 1840.04 | -78.51 | 828.35 | 567.77 | 1.46 | PASS |
| 18113.00† | 7823.00 | 9270.35 | 2651.70 | 17717.68 | 7658.00 | 9269.56 | 1839.94 | -78.51 | 828.35 | 573.87 | 1.44 | PASS |
| 18213.00† | 7823.00 | 9370.35 | 2651.60 | 17817.68 | 7658.00 | 9369.56 | 1839.85 | -78.51 | 828.35 | 579.98 | 1.43 | PASS |
| 18313.00† | 7823.00 | 9470.35 | 2651.50 | 17917.68 | 7658.00 | 9469.56 | 1839.75 | -78.51 | 828.35 | 586.08 | 1.41 | PASS |
| 18413.00† | 7823.00 | 9570.35 | 2651.40 | 18017.68 | 7658.00 | 9569.56 | 1839.65 | -78.51 | 828.35 | 592.19 | 1.40 | PASS |
| 18438.57† | 7823.00 | 9595.92 | 2651.38 | 18043.25 | 7658.00 | 9595.13 | 1839.63 | -78.51 | 828.35 | 593.75 | 1.40 | PASS |
| 18444.07 | 7823.00 | 9601.41 | 2651.37 | 18043.25 | 7658.00 | 9595.13 | 1839.63 | -78.51 | 828.37 | 593.02 | 1.40 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1795.62 | -0.10 | -27.42 | -7.40 | -9.79 |
| 8.5in Open Hole | 1800.00 | 18043.25 | 16243.25 | 1795.62 | 7658.00 | -7.40 | -9.79 | 2924.55 | 547.01 |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 18043.28 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-4NCH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-4NCH PWB Offset Wellpath: ACKARD NORTH 2-35-4NCH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#12 ACKARD NORTH 2-35-3CDH (600'FSL & 2100'FWL, SEC.02) Well: ACKARD NORTH 2-35-3CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.18 | -60.01 | -90.18 | 60.01 | 1.40 | 98.69 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.18 | -60.01 | -90.18 | 60.01 | 1.72 | 64.68 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.18 | -60.01 | -90.18 | 60.01 | 2.28 | 40.02 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.18 | -60.01 | -90.18 | 60.01 | 2.88 | 28.46 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.18 | -60.01 | -90.18 | 60.01 | 3.50 | 21.98 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.18 | -60.01 | -90.18 | 60.01 | 4.12 | 17.87 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.18 | -60.01 | -90.18 | 60.01 | 4.74 | 15.05 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.18 | -60.01 | -90.18 | 60.01 | 5.36 | 12.99 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.18 | -60.01 | -90.18 | 60.01 | 5.99 | 11.42 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.18 | -60.01 | -90.18 | 60.01 | 6.53 | 10.34 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.18 | -60.01 | 163.61 | 60.04 | 6.61 | 10.20 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.18 | -60.01 | 164.17 | 62.15 | 7.35 | 9.38 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.18 | -60.01 | 165.46 | 67.64 | 8.34 | 8.86 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.18 | -60.01 | 167.14 | 76.55 | 9.28 | 8.94 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.91 | 1311.91 | -0.19 | -59.99 | 168.91 | 88.90 | 10.16 | 9.41 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1414.11 | 1414.08 | -1.23 | -58.00 | 170.16 | 102.71 | 11.10 | 9.90 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1516.80 | 1516.60 | -3.98 | -52.74 | 170.76 | 116.65 | 12.20 | 10.17 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1619.99 | 1619.33 | -8.44 | -44.19 | 170.91 | 130.67 | 13.27 | 10.42 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1723.67 | 1722.12 | -14.65 | -32.29 | 170.73 | 144.76 | 14.28 | 10.68 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1827.83 | 1824.85 | -22.61 | -17.02 | 170.31 | 158.89 | 15.17 | 10.94 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1932.47 | 1927.34 | -32.34 | 1.64 | 169.71 | 173.07 | 16.17 | 11.15 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2037.58 | 2029.46 | -43.86 | 23.71 | 168.96 | 187.28 | 17.15 | 11.35 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2109.57 | 2098.91 | -52.63 | 40.52 | 168.41 | 197.59 | 17.78 | 11.53 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2138.56 | 2126.85 | -56.20 | 47.37 | 168.23 | 202.16 | 18.01 | 11.64 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2237.32 | 2222.04 | -68.36 | 70.69 | 167.68 | 217.71 | 18.83 | 11.97 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2336.08 | 2317.24 | -80.53 | 94.00 | 167.20 | 233.29 | 19.59 | 12.32 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2434.85 | 2412.44 | -92.69 | 117.32 | 166.78 | 248.88 | 20.45 | 12.57 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2533.61 | 2507.63 | -104.85 | 140.64 | 166.41 | 264.48 | 21.35 | 12.78 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2632.37 | 2602.83 | -117.02 | 163.95 | 166.08 | 280.09 | 22.28 | 12.95 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2731.13 | 2698.02 | -129.18 | 187.27 | 165.78 | 295.71 | 23.25 | 13.09 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#12 ACKARD NORTH 2-35-3CDH (600'FSL & 2100'FWL, SEC.02) Well: ACKARD NORTH 2-35-3CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2829.89 | 2793.22 | -141.34 | 210.59 | 165.52 | 311.34 | 24.24 | 13.20 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2928.66 | 2888.42 | -153.51 | 233.90 | 165.28 | 326.97 | 25.25 | 13.29 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3027.42 | 2983.61 | -165.67 | 257.22 | 165.06 | 342.61 | 26.29 | 13.36 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3126.18 | 3078.81 | -177.84 | 280.54 | 164.86 | 358.25 | 27.35 | 13.42 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3224.94 | 3174.00 | -190.00 | 303.86 | 164.68 | 373.89 | 28.42 | 13.47 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3323.70 | 3269.20 | -202.16 | 327.17 | 164.51 | 389.54 | 29.51 | 13.50 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3422.47 | 3364.40 | -214.33 | 350.49 | 164.36 | 405.19 | 30.61 | 13.53 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3521.23 | 3459.59 | -226.49 | 373.81 | 164.22 | 420.84 | 31.72 | 13.55 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3619.99 | 3554.79 | -238.65 | 397.12 | 164.08 | 436.50 | 32.85 | 13.56 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3718.75 | 3649.98 | -250.82 | 420.44 | 163.96 | 452.16 | 33.98 | 13.57 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3817.51 | 3745.18 | -262.98 | 443.76 | 163.85 | 467.82 | 35.13 | 13.57 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3916.28 | 3840.38 | -275.14 | 467.07 | 163.74 | 483.48 | 36.28 | 13.57 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4015.04 | 3935.57 | -287.31 | 490.39 | 163.64 | 499.15 | 37.44 | 13.57 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4113.80 | 4030.77 | -299.47 | 513.71 | 163.54 | 514.81 | 38.60 | 13.57 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4212.56 | 4125.96 | -311.63 | 537.03 | 163.45 | 530.48 | 39.78 | 13.56 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4311.32 | 4221.16 | -323.80 | 560.34 | 163.37 | 546.14 | 40.95 | 13.55 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4410.09 | 4316.36 | -335.96 | 583.66 | 163.29 | 561.81 | 42.14 | 13.54 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4508.85 | 4411.55 | -348.12 | 606.98 | 163.21 | 577.48 | 43.33 | 13.53 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4607.61 | 4506.75 | -360.29 | 630.29 | 163.14 | 593.15 | 44.52 | 13.52 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4706.37 | 4601.94 | -372.45 | 653.61 | 163.08 | 608.83 | 45.71 | 13.51 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4805.13 | 4697.14 | -384.62 | 676.93 | 163.01 | 624.50 | 46.91 | 13.50 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4903.89 | 4792.34 | -396.78 | 700.24 | 162.95 | 640.17 | 48.12 | 13.49 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 5002.66 | 4887.53 | -408.94 | 723.56 | 162.89 | 655.84 | 49.32 | 13.48 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5101.42 | 4982.73 | -421.11 | 746.88 | 162.84 | 671.52 | 50.53 | 13.46 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5200.18 | 5077.93 | -433.27 | 770.20 | 162.78 | 687.19 | 51.75 | 13.45 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5298.94 | 5173.12 | -445.43 | 793.51 | 162.73 | 702.87 | 52.96 | 13.44 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5397.70 | 5268.32 | -457.60 | 816.83 | 162.69 | 718.54 | 54.18 | 13.43 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5496.47 | 5363.51 | -469.76 | 840.15 | 162.64 | 734.22 | 55.40 | 13.41 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5595.23 | 5458.71 | -481.92 | 863.46 | 162.59 | 749.90 | 56.62 | 13.40 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5693.99 | 5553.91 | -494.09 | 886.78 | 162.55 | 765.57 | 57.84 | 13.39 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#12 ACKARD NORTH 2-35-3CDH (600'FSL & 2100'FWL, SEC.02) Well: ACKARD NORTH 2-35-3CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5792.75 | 5649.10 | -506.25 | 910.10 | 162.51 | 781.25 | 59.07 | 13.37 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5891.51 | 5744.30 | -518.41 | 933.41 | 162.47 | 796.93 | 60.29 | 13.36 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5990.28 | 5839.49 | -530.58 | 956.73 | 162.43 | 812.61 | 61.52 | 13.35 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 6089.04 | 5934.69 | -542.74 | 980.05 | 162.40 | 828.29 | 62.75 | 13.34 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 6187.80 | 6029.89 | -554.90 | 1003.37 | 162.36 | 843.97 | 63.99 | 13.33 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 6286.56 | 6125.08 | -567.07 | 1026.68 | 162.33 | 859.65 | 65.22 | 13.31 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6385.32 | 6220.28 | -579.23 | 1050.00 | 162.30 | 875.32 | 66.45 | 13.30 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6484.09 | 6315.47 | -591.40 | 1073.32 | 162.27 | 891.00 | 67.69 | 13.29 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6582.85 | 6410.67 | -603.56 | 1096.63 | 162.24 | 906.68 | 68.93 | 13.28 | PASS |
| 6713.00† | 6290.06 | -586.54 | 2016.24 | 6681.61 | 6505.87 | -615.72 | 1119.95 | 162.21 | 922.36 | 70.17 | 13.27 | PASS |
| 6813.00† | 6381.65 | -597.76 | 2054.79 | 6780.37 | 6601.06 | -627.89 | 1143.27 | 162.18 | 938.05 | 71.40 | 13.26 | PASS |
| 6913.00† | 6473.23 | -608.97 | 2093.35 | 6879.13 | 6696.26 | -640.05 | 1166.58 | 162.15 | 953.73 | 72.64 | 13.25 | PASS |
| 7013.00† | 6564.82 | -620.19 | 2131.90 | 6977.90 | 6791.45 | -652.21 | 1189.90 | 162.13 | 969.41 | 73.89 | 13.24 | PASS |
| 7113.00† | 6656.40 | -631.41 | 2170.45 | 7076.66 | 6886.65 | -664.38 | 1213.22 | 162.10 | 985.09 | 75.13 | 13.23 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1797.47 | -0.11 | -36.58 | -6.25 | -24.82 |
| 8.5in Open Hole | 1800.00 | 18103.54 | 16303.54 | 1797.47 | 7828.00 | -6.25 | -24.82 | 2923.57 | 418.69 |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0) | | | | |
|--|----------------|--|------------------|----------------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 13.00 | 18103.54 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-3CDH PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-3CDH PWB Offset Wellpath: ACKARD NORTH 2-35-3CDH PWP (REV. A.0) | |
|--|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#11 ACKARD NORTH 2-35-3NAH (600'FSL & 2085'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.24 | -75.02 | -90.18 | 75.02 | 1.40 | 123.70 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.24 | -75.02 | -90.18 | 75.02 | 1.72 | 81.08 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.24 | -75.02 | -90.18 | 75.02 | 2.28 | 50.17 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.24 | -75.02 | -90.18 | 75.02 | 2.88 | 35.67 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.24 | -75.02 | -90.18 | 75.02 | 3.50 | 27.55 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.24 | -75.02 | -90.18 | 75.02 | 4.12 | 22.40 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.24 | -75.02 | -90.18 | 75.02 | 4.74 | 18.86 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.24 | -75.02 | -90.18 | 75.02 | 5.36 | 16.28 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.24 | -75.02 | -90.18 | 75.02 | 5.99 | 14.32 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.24 | -75.02 | -90.18 | 75.02 | 6.53 | 12.96 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.24 | -75.02 | 163.60 | 75.05 | 6.61 | 12.78 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.24 | -75.02 | 164.05 | 77.16 | 7.35 | 11.67 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.24 | -75.02 | 165.11 | 82.65 | 8.34 | 10.85 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.24 | -75.02 | 166.54 | 91.54 | 9.27 | 10.71 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.57 | 1311.57 | -0.24 | -75.02 | 168.11 | 103.87 | 10.16 | 11.02 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1410.67 | 1410.67 | -0.25 | -75.01 | 169.64 | 119.65 | 11.01 | 11.64 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1513.33 | 1513.30 | -1.38 | -73.10 | 170.72 | 136.96 | 11.92 | 12.25 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1616.60 | 1616.40 | -4.41 | -67.98 | 171.21 | 154.45 | 12.98 | 12.62 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1720.49 | 1719.82 | -9.37 | -59.62 | 171.29 | 172.06 | 14.03 | 12.95 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1824.99 | 1823.43 | -16.28 | -47.95 | 171.06 | 189.77 | 14.94 | 13.29 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1930.08 | 1927.06 | -25.16 | -32.95 | 170.60 | 207.57 | 15.92 | 13.60 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2035.76 | 2030.55 | -36.05 | -14.58 | 169.96 | 225.45 | 16.93 | 13.85 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2110.77 | 2103.50 | -44.95 | 0.45 | 169.41 | 238.13 | 17.62 | 14.04 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2142.05 | 2133.78 | -48.95 | 7.20 | 169.18 | 243.27 | 17.88 | 14.13 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2242.64 | 2230.81 | -62.47 | 30.02 | 168.38 | 259.60 | 18.66 | 14.42 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2341.25 | 2325.90 | -75.78 | 52.48 | 167.68 | 275.88 | 19.53 | 14.62 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2439.86 | 2420.99 | -89.08 | 74.94 | 167.05 | 292.20 | 20.32 | 14.86 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2538.47 | 2516.09 | -102.39 | 97.41 | 166.49 | 308.54 | 21.23 | 15.00 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2637.09 | 2611.18 | -115.70 | 119.87 | 165.99 | 324.91 | 22.18 | 15.10 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2735.70 | 2706.27 | -129.01 | 142.33 | 165.53 | 341.31 | 23.16 | 15.17 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#11 ACKARD NORTH 2-35-3NAH (600'FSL & 2085'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2834.31 | 2801.37 | -142.32 | 164.80 | 165.12 | 357.72 | 24.18 | 15.21 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2932.92 | 2896.46 | -155.62 | 187.26 | 164.74 | 374.15 | 25.23 | 15.23 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3031.54 | 2991.55 | -168.93 | 209.73 | 164.40 | 390.59 | 26.31 | 15.23 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3130.15 | 3086.64 | -182.24 | 232.19 | 164.08 | 407.05 | 27.41 | 15.22 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3228.76 | 3181.74 | -195.55 | 254.65 | 163.79 | 423.52 | 28.53 | 15.20 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3327.37 | 3276.83 | -208.86 | 277.12 | 163.52 | 440.00 | 29.67 | 15.17 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3425.99 | 3371.92 | -222.17 | 299.58 | 163.27 | 456.48 | 30.83 | 15.13 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3524.60 | 3467.02 | -235.47 | 322.04 | 163.03 | 472.98 | 32.00 | 15.09 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3623.21 | 3562.11 | -248.78 | 344.51 | 162.81 | 489.48 | 33.19 | 15.05 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3721.82 | 3657.20 | -262.09 | 366.97 | 162.61 | 505.99 | 34.39 | 15.00 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3820.44 | 3752.30 | -275.40 | 389.43 | 162.42 | 522.50 | 35.60 | 14.95 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3919.05 | 3847.39 | -288.71 | 411.90 | 162.24 | 539.02 | 36.82 | 14.91 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4017.66 | 3942.48 | -302.02 | 434.36 | 162.07 | 555.54 | 38.06 | 14.86 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4116.27 | 4037.58 | -315.32 | 456.82 | 161.91 | 572.07 | 39.30 | 14.81 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4214.89 | 4132.67 | -328.63 | 479.29 | 161.76 | 588.61 | 40.54 | 14.76 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4313.50 | 4227.76 | -341.94 | 501.75 | 161.62 | 605.14 | 41.80 | 14.71 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4412.11 | 4322.86 | -355.25 | 524.22 | 161.49 | 621.68 | 43.06 | 14.66 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4510.72 | 4417.95 | -368.56 | 546.68 | 161.36 | 638.22 | 44.33 | 14.62 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4609.34 | 4513.04 | -381.86 | 569.14 | 161.24 | 654.77 | 45.60 | 14.57 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4707.95 | 4608.14 | -395.17 | 591.61 | 161.12 | 671.32 | 46.88 | 14.52 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4806.56 | 4703.23 | -408.48 | 614.07 | 161.02 | 687.87 | 48.16 | 14.48 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4905.17 | 4798.32 | -421.79 | 636.53 | 160.91 | 704.42 | 49.45 | 14.44 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 5003.79 | 4893.42 | -435.10 | 659.00 | 160.81 | 720.98 | 50.74 | 14.40 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5102.40 | 4988.51 | -448.41 | 681.46 | 160.72 | 737.53 | 52.04 | 14.36 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5201.01 | 5083.60 | -461.71 | 703.92 | 160.63 | 754.09 | 53.34 | 14.32 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5299.62 | 5178.69 | -475.02 | 726.39 | 160.54 | 770.66 | 54.64 | 14.28 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5398.24 | 5273.79 | -488.33 | 748.85 | 160.46 | 787.22 | 55.94 | 14.24 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5496.85 | 5368.88 | -501.64 | 771.31 | 160.38 | 803.78 | 57.25 | 14.20 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5595.46 | 5463.97 | -514.95 | 793.78 | 160.30 | 820.35 | 58.56 | 14.17 | PASS |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5694.08 | 5559.07 | -528.25 | 816.24 | 160.23 | 836.91 | 59.88 | 14.13 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
Page 56 of 104



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#11 ACKARD NORTH 2-35-3NAH (600'FSL & 2085'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5792.69 | 5654.16 | -541.56 | 838.71 | 160.16 | 853.48 | 61.19 | 14.10 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5891.30 | 5749.25 | -554.87 | 861.17 | 160.09 | 870.05 | 62.51 | 14.07 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5989.91 | 5844.35 | -568.18 | 883.63 | 160.02 | 886.62 | 63.83 | 14.04 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 6088.53 | 5939.44 | -581.49 | 906.10 | 159.96 | 903.19 | 65.15 | 14.00 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 6187.14 | 6034.53 | -594.80 | 928.56 | 159.90 | 919.77 | 66.47 | 13.97 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 6285.75 | 6129.63 | -608.10 | 951.02 | 159.84 | 936.34 | 67.80 | 13.95 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 6384.36 | 6224.72 | -621.41 | 973.49 | 159.78 | 952.92 | 69.13 | 13.92 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6482.98 | 6319.81 | -634.72 | 995.95 | 159.73 | 969.49 | 70.46 | 13.89 | PASS |
| 6613.00† | 6198.47 | -575.33 | 1977.69 | 6581.59 | 6414.91 | -648.03 | 1018.41 | 159.68 | 986.07 | 71.79 | 13.86 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1798.70 | -0.15 | -45.73 | -4.48 | -38.42 |
| 8.5in Open Hole | 1800.00 | 17693.67 | 15893.67 | 1798.70 | 7440.00 | -4.48 | -38.42 | 2923.29 | 383.65 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 17693.71 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-3NAH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-3NAH PWB Offset Wellpath: ACKARD NORTH 2-35-3NAH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#10 ACKARD NORTH 2-35-3NBH (600'FSL & 2070'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.29 | -89.98 | -90.19 | 89.98 | 1.40 | 148.63 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.29 | -89.98 | -90.19 | 89.98 | 1.72 | 97.41 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.29 | -89.98 | -90.19 | 89.98 | 2.28 | 60.27 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.29 | -89.98 | -90.19 | 89.98 | 2.88 | 42.86 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.29 | -89.98 | -90.19 | 89.98 | 3.50 | 33.10 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.29 | -89.98 | -90.19 | 89.98 | 4.12 | 26.91 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.29 | -89.98 | -90.19 | 89.98 | 4.74 | 22.66 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.29 | -89.98 | -90.19 | 89.98 | 5.36 | 19.56 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.29 | -89.98 | -90.19 | 89.98 | 5.99 | 17.20 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.29 | -89.98 | -90.19 | 89.98 | 6.53 | 15.57 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.29 | -89.98 | 163.60 | 90.01 | 6.61 | 15.36 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.29 | -89.98 | 163.97 | 92.12 | 7.35 | 13.95 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.29 | -89.98 | 164.87 | 97.60 | 8.34 | 12.84 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.29 | -89.98 | 166.11 | 106.47 | 9.27 | 12.48 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.57 | 1311.57 | -0.29 | -89.98 | 167.52 | 118.78 | 10.15 | 12.62 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1410.26 | 1410.26 | -0.29 | -89.98 | 168.94 | 134.55 | 11.01 | 13.11 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1508.75 | 1508.75 | -0.30 | -89.97 | 170.27 | 153.75 | 11.83 | 13.86 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1611.73 | 1611.70 | -1.55 | -88.20 | 171.20 | 174.59 | 12.72 | 14.58 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1715.43 | 1715.22 | -4.95 | -83.35 | 171.57 | 195.70 | 13.76 | 15.05 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1819.82 | 1819.16 | -10.55 | -75.39 | 171.54 | 217.03 | 14.68 | 15.48 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1924.91 | 1923.36 | -18.38 | -64.24 | 171.21 | 238.56 | 15.67 | 15.89 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2030.68 | 2027.65 | -28.47 | -49.88 | 170.65 | 260.26 | 16.67 | 16.26 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2105.80 | 2101.29 | -36.99 | -37.77 | 170.14 | 275.71 | 17.36 | 16.51 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2137.14 | 2131.90 | -40.86 | -32.25 | 169.92 | 282.01 | 17.62 | 16.64 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2238.23 | 2230.26 | -54.28 | -13.16 | 169.14 | 302.12 | 18.39 | 17.05 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2336.15 | 2325.49 | -67.40 | 5.51 | 168.45 | 322.09 | 19.17 | 17.41 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2434.07 | 2420.71 | -80.52 | 24.18 | 167.85 | 342.10 | 20.04 | 17.66 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2531.99 | 2515.93 | -93.64 | 42.85 | 167.31 | 362.15 | 20.87 | 17.93 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2629.90 | 2611.15 | -106.76 | 61.52 | 166.83 | 382.22 | 21.77 | 18.11 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2727.82 | 2706.37 | -119.88 | 80.19 | 166.39 | 402.31 | 22.72 | 18.25 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#10 ACKARD NORTH 2-35-3NBH (600'FSL & 2070'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2825.74 | 2801.59 | -133.01 | 98.86 | 166.00 | 422.42 | 23.69 | 18.35 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2923.65 | 2896.81 | -146.13 | 117.53 | 165.64 | 442.55 | 24.70 | 18.42 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 3021.57 | 2992.03 | -159.25 | 136.20 | 165.32 | 462.70 | 25.72 | 18.47 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3119.49 | 3087.26 | -172.37 | 154.87 | 165.02 | 482.86 | 26.77 | 18.50 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3217.41 | 3182.48 | -185.49 | 173.54 | 164.75 | 503.03 | 27.84 | 18.51 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3315.32 | 3277.70 | -198.61 | 192.21 | 164.49 | 523.21 | 28.93 | 18.52 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3413.24 | 3372.92 | -211.73 | 210.87 | 164.26 | 543.40 | 30.03 | 18.51 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3511.16 | 3468.14 | -224.85 | 229.54 | 164.04 | 563.60 | 31.15 | 18.49 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3609.08 | 3563.36 | -237.97 | 248.21 | 163.84 | 583.80 | 32.28 | 18.47 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3706.99 | 3658.58 | -251.10 | 266.88 | 163.65 | 604.02 | 33.42 | 18.44 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3804.91 | 3753.80 | -264.22 | 285.55 | 163.47 | 624.23 | 34.57 | 18.41 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3902.83 | 3849.02 | -277.34 | 304.22 | 163.30 | 644.46 | 35.73 | 18.38 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 4000.74 | 3944.25 | -290.46 | 322.89 | 163.15 | 664.68 | 36.90 | 18.34 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4098.66 | 4039.47 | -303.58 | 341.56 | 163.00 | 684.92 | 38.08 | 18.31 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4196.58 | 4134.69 | -316.70 | 360.23 | 162.86 | 705.15 | 39.27 | 18.27 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4294.50 | 4229.91 | -329.82 | 378.90 | 162.73 | 725.39 | 40.46 | 18.23 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4392.41 | 4325.13 | -342.94 | 397.57 | 162.61 | 745.64 | 41.66 | 18.19 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4490.33 | 4420.35 | -356.06 | 416.24 | 162.49 | 765.88 | 42.86 | 18.15 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4588.25 | 4515.57 | -369.19 | 434.91 | 162.38 | 786.13 | 44.07 | 18.11 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4686.17 | 4610.79 | -382.31 | 453.58 | 162.28 | 806.39 | 45.28 | 18.07 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4784.08 | 4706.02 | -395.43 | 472.25 | 162.18 | 826.64 | 46.50 | 18.04 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4882.00 | 4801.24 | -408.55 | 490.92 | 162.08 | 846.90 | 47.72 | 18.00 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 4979.92 | 4896.46 | -421.67 | 509.59 | 161.99 | 867.16 | 48.95 | 17.96 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 5077.83 | 4991.68 | -434.79 | 528.26 | 161.90 | 887.42 | 50.18 | 17.92 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 5175.75 | 5086.90 | -447.91 | 546.93 | 161.82 | 907.68 | 51.41 | 17.89 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 5273.67 | 5182.12 | -461.03 | 565.60 | 161.74 | 927.95 | 52.65 | 17.85 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5371.59 | 5277.34 | -474.15 | 584.27 | 161.67 | 948.21 | 53.89 | 17.82 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5469.50 | 5372.56 | -487.27 | 602.94 | 161.59 | 968.48 | 55.13 | 17.78 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5567.42 | 5467.78 | -500.40 | 621.61 | 161.52 | 988.75 | 56.37 | 17.75 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1799.45 | -0.18 | -54.85 | -2.93 | -50.94 |
| 8.5in Open Hole | 1800.00 | 17798.06 | 15998.06 | 1799.45 | 7591.00 | -2.93 | -50.94 | 2922.57 | 285.85 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|------------------|----------------------------|
| 13.00 | 17798.06 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-3NBH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-3NBH PWB Offset Wellpath: ACKARD NORTH 2-35-3NBH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: MAUL #44-26 AWB Offset Wellpath: MAUL #44-26 AWP

| Facility: SEC.26-T01S-R66W Slot: SLOT#01 EX MAUL #44-26 (660'FSL & 652'FEL, SEC.26,8289, PR) Well: MAUL #44-26 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 57.00 | 10621.15 | 2454.13 | 13.01 | 10901.08 | 25.40 | 443.07 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: MAUL #44-26 AWB Offset Wellpath: MAUL #44-26 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: MAUL #44-26 AWB Offset Wellpath: MAUL #44-26 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|-----------------|
| 0.00 | 8289.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8289> | MAUL #44-26 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: MAUL #44-26 AWB Offset Wellpath: MAUL #44-26 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 MAUL #44-26 (660'FSL & 652'FEL, SEC.26,8289, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOX ELDER FARMS 32-35#4 AWB Offset Wellpath: BOX ELDER FARMS 32-35#4 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#03 EX BOX ELDER FARMS 32-35#4 (1980'FNL & 1980'FEL, SEC.35, 8312 PR) Well: BOX ELDER FARMS 32-35#4 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 23.00 | 7975.68 | 1143.22 | 8.16 | 8057.20 | 25.40 | 327.47 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BOX ELDER FARMS 32-35#4 AWB Offset Wellpath: BOX ELDER FARMS 32-35#4 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: BOX ELDER FARMS 32-35#4 AWB Offset Wellpath: BOX ELDER FARMS 32-35#4 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|-----------------------------|
| 0.00 | 8312.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8312> | BOX ELDER FARMS 32-35#4 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: BOX ELDER FARMS 32-35#4 AWB Offset Wellpath: BOX ELDER FARMS 32-35#4 AWP

| | |
|---|--|
| MD Reference: Rig on SLOT#03 EX BOX ELDER FARMS 32-35#4 (1980'FNL & 1980'FEL, SEC.35, 8312 PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NCH PWB Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#09 ACKARD NORTH 2-35-3NCH (600'FSL & 2055'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.31 | -104.99 | -90.17 | 104.99 | 1.40 | 173.65 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.31 | -104.99 | -90.17 | 104.99 | 1.72 | 113.81 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.31 | -104.99 | -90.17 | 104.99 | 2.28 | 70.42 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.31 | -104.99 | -90.17 | 104.99 | 2.88 | 50.07 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.31 | -104.99 | -90.17 | 104.99 | 3.50 | 38.67 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.31 | -104.99 | -90.17 | 104.99 | 4.12 | 31.44 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.31 | -104.99 | -90.17 | 104.99 | 4.74 | 26.47 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.31 | -104.99 | -90.17 | 104.99 | 5.36 | 22.85 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.31 | -104.99 | -90.17 | 104.99 | 5.99 | 20.10 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.31 | -104.99 | -90.17 | 104.99 | 6.53 | 18.19 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.31 | -104.99 | 163.61 | 105.02 | 6.61 | 17.94 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.31 | -104.99 | 163.93 | 107.13 | 7.35 | 16.25 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.31 | -104.99 | 164.71 | 112.60 | 8.34 | 14.83 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.31 | -104.99 | 165.80 | 121.47 | 9.27 | 14.25 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.57 | 1311.57 | -0.31 | -104.99 | 167.08 | 133.76 | 10.15 | 14.22 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1410.26 | 1410.26 | -0.31 | -104.99 | 168.39 | 149.50 | 11.00 | 14.58 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1508.33 | 1508.33 | -0.31 | -104.99 | 169.65 | 168.68 | 11.83 | 15.22 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1605.97 | 1605.97 | -0.32 | -104.98 | 170.82 | 191.30 | 12.64 | 16.09 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1708.50 | 1708.48 | -1.82 | -103.59 | 171.56 | 215.83 | 13.51 | 16.93 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1811.67 | 1811.47 | -6.04 | -99.67 | 171.70 | 241.04 | 14.38 | 17.58 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1915.42 | 1914.78 | -13.03 | -93.19 | 171.40 | 266.86 | 15.35 | 18.18 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2019.72 | 2018.22 | -22.81 | -84.11 | 170.76 | 293.31 | 16.31 | 18.75 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2093.70 | 2091.26 | -31.42 | -76.12 | 170.15 | 312.39 | 16.99 | 19.14 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2124.55 | 2121.62 | -35.41 | -72.41 | 169.89 | 320.27 | 17.23 | 19.34 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2221.31 | 2216.73 | -48.44 | -60.33 | 169.08 | 346.64 | 17.96 | 20.05 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2317.66 | 2311.45 | -61.41 | -48.29 | 168.38 | 373.06 | 18.73 | 20.66 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2414.01 | 2406.16 | -74.39 | -36.25 | 167.78 | 399.52 | 19.54 | 21.18 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2510.37 | 2500.88 | -87.36 | -24.21 | 167.25 | 426.03 | 20.39 | 21.61 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2606.72 | 2595.59 | -100.34 | -12.17 | 166.79 | 452.56 | 21.29 | 21.95 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2703.08 | 2690.31 | -113.31 | -0.13 | 166.37 | 479.12 | 22.20 | 22.26 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-3NCH PWB Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#09 ACKARD NORTH 2-35-3NCH (600'FSL & 2055'FWL, SEC.02) Well: ACKARD NORTH 2-35-3NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2799.43 | 2785.02 | -126.29 | 11.92 | 166.00 | 505.69 | 23.15 | 22.51 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2895.79 | 2879.74 | -139.26 | 23.96 | 165.67 | 532.29 | 24.12 | 22.71 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2992.14 | 2974.45 | -152.24 | 36.00 | 165.37 | 558.90 | 25.11 | 22.88 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3088.49 | 3069.17 | -165.21 | 48.04 | 165.09 | 585.53 | 26.12 | 23.01 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3184.85 | 3163.88 | -178.19 | 60.08 | 164.84 | 612.16 | 27.15 | 23.13 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3281.20 | 3258.59 | -191.16 | 72.12 | 164.61 | 638.81 | 28.19 | 23.22 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3377.56 | 3353.31 | -204.13 | 84.16 | 164.40 | 665.46 | 29.25 | 23.29 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3473.91 | 3448.02 | -217.11 | 96.20 | 164.20 | 692.12 | 30.32 | 23.35 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3570.27 | 3542.74 | -230.08 | 108.24 | 164.02 | 718.79 | 31.40 | 23.40 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3666.62 | 3637.45 | -243.06 | 120.28 | 163.85 | 745.47 | 32.49 | 23.43 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3762.98 | 3732.17 | -256.03 | 132.32 | 163.70 | 772.15 | 33.59 | 23.46 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3859.33 | 3826.88 | -269.01 | 144.36 | 163.55 | 798.83 | 34.70 | 23.48 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3955.68 | 3921.60 | -281.98 | 156.40 | 163.42 | 825.52 | 35.81 | 23.49 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4052.04 | 4016.31 | -294.96 | 168.44 | 163.29 | 852.22 | 36.94 | 23.50 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4148.39 | 4111.03 | -307.93 | 180.48 | 163.17 | 878.92 | 38.07 | 23.51 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4244.75 | 4205.74 | -320.91 | 192.52 | 163.06 | 905.62 | 39.20 | 23.51 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4341.10 | 4300.46 | -333.88 | 204.56 | 162.95 | 932.32 | 40.34 | 23.51 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4437.46 | 4395.17 | -346.86 | 216.60 | 162.85 | 959.03 | 41.48 | 23.50 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4533.81 | 4489.88 | -359.83 | 228.64 | 162.75 | 985.74 | 42.63 | 23.50 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-3NCH PWB Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-3NCH PWB Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1799.84 | -0.19 | -64.00 | -1.75 | -62.55 |
| 8.5in Open Hole | 1800.00 | 17807.10 | 16007.10 | 1799.84 | 7663.00 | -1.75 | -62.55 | 2921.60 | 157.57 |

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|------------------|----------------------------|
| 13.00 | 17807.10 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-3NCH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-3NCH PWB Offset Wellpath: ACKARD NORTH 2-35-3NCH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13*KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CHAMPLIN 117 AMOCO C#4 AWB Offset Wellpath: CHAMPLIN 117 AMOCO C#4 AWP

| Facility: SEC.01-T02S-R66W Slot: SLOT#01 EX CHAMPLIN 117 AMOCO C#4 (1980'FNL & 660'FWL, SEC.01, PR, 8410) Well: CHAMPLIN 117 AMOCO C#4 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 39.00 | 13.00 | 2694.41 | 3754.04 | 54.33 | 4620.89 | 50.92 | 92.19 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CHAMPLIN 117 AMOCO C#4 AWB Offset Wellpath: CHAMPLIN 117 AMOCO C#4 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CHAMPLIN 117 AMOCO C#4 AWB Offset Wellpath: CHAMPLIN 117 AMOCO C#4 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|----------------------------|
| 0.00 | 8410.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8410> | CHAMPLIN 117 AMOCO C#4 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CHAMPLIN 117 AMOCO C#4 AWB Offset Wellpath: CHAMPLIN 117 AMOCO C#4 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#01 EX CHAMPLINE 117 AMOCO C#4 (1980'FNL & 660'FWL, SEC.01, PR, 8410) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: MAUL #2 AWB Offset Wellpath: MAUL #2 AWP

| Facility: SEC.26-T01S-R66W Slot: SLOT#02 EX MAUL #2 (859'FSL & 1800'FEL, SEC.26,8280, PR) Well: MAUL #2 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 69.00 | 10830.02 | 1324.90 | 6.98 | 10910.91 | 25.40 | 443.47 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: MAUL #2 AWB Offset Wellpath: MAUL #2 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: MAUL #2 AWB Offset Wellpath: MAUL #2 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|-------------|
| 0.00 | 8280.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8280> | MAUL #2 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: MAUL #2 AWB Offset Wellpath: MAUL #2 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#02 EX MAUL #2 (859'FSL & 1800'FEL, SEC.26,8280, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NBH Offset Wellpath: ACKARD NORTH 2-35-2NBH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#08 ACKARD NORTH 2-35-2NBH (600'FSL & 2040'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NBH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.33 | -119.97 | -90.16 | 119.97 | 1.40 | 198.62 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.33 | -119.97 | -90.16 | 119.97 | 1.72 | 130.18 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.33 | -119.97 | -90.16 | 119.97 | 2.28 | 80.55 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.33 | -119.97 | -90.16 | 119.97 | 2.88 | 57.27 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.33 | -119.97 | -90.16 | 119.97 | 3.50 | 44.23 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.33 | -119.97 | -90.16 | 119.97 | 4.12 | 35.97 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.33 | -119.97 | -90.16 | 119.97 | 4.74 | 30.28 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.33 | -119.97 | -90.16 | 119.97 | 5.36 | 26.14 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.33 | -119.97 | -90.16 | 119.97 | 5.99 | 22.99 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.33 | -119.97 | -90.16 | 119.97 | 6.53 | 20.80 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.33 | -119.97 | 163.63 | 120.00 | 6.61 | 20.52 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.33 | -119.97 | 163.91 | 122.11 | 7.35 | 18.54 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.33 | -119.97 | 164.58 | 127.58 | 8.34 | 16.82 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.33 | -119.97 | 165.56 | 136.45 | 9.27 | 16.03 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.57 | 1311.57 | -0.33 | -119.97 | 166.72 | 148.72 | 10.15 | 15.83 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1410.26 | 1410.26 | -0.33 | -119.97 | 167.94 | 164.43 | 11.00 | 16.05 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1508.65 | 1508.65 | -0.34 | -119.96 | 169.14 | 183.57 | 11.83 | 16.58 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1610.32 | 1610.29 | -2.18 | -118.92 | 169.83 | 204.97 | 12.68 | 17.20 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1712.22 | 1712.03 | -7.16 | -116.09 | 169.77 | 227.69 | 13.59 | 17.74 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1814.26 | 1813.63 | -15.30 | -111.46 | 169.17 | 251.73 | 14.40 | 18.33 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1916.32 | 1914.85 | -26.58 | -105.04 | 168.17 | 277.13 | 15.32 | 18.92 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 2013.76 | 2011.16 | -39.48 | -97.71 | 167.07 | 304.49 | 16.18 | 19.63 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2081.07 | 2077.68 | -48.45 | -92.60 | 166.47 | 325.78 | 16.78 | 20.22 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2108.93 | 2105.21 | -52.17 | -90.49 | 166.30 | 334.96 | 17.01 | 20.50 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2203.85 | 2199.00 | -64.83 | -83.29 | 165.77 | 366.28 | 17.79 | 21.40 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2298.77 | 2292.80 | -77.48 | -76.09 | 165.33 | 397.62 | 18.61 | 22.17 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2393.70 | 2386.60 | -90.14 | -68.89 | 164.95 | 428.98 | 19.47 | 22.83 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2488.62 | 2480.39 | -102.80 | -61.70 | 164.62 | 460.35 | 20.38 | 23.36 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2583.54 | 2574.19 | -115.46 | -54.50 | 164.33 | 491.74 | 21.27 | 23.88 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2678.46 | 2667.99 | -128.11 | -47.30 | 164.08 | 523.13 | 22.21 | 24.29 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NBH Offset Wellpath: ACKARD NORTH 2-35-2NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#08 ACKARD NORTH 2-35-2NBH (600'FSL & 2040'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2773.38 | 2761.79 | -140.77 | -40.10 | 163.86 | 554.54 | 23.18 | 24.65 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2868.30 | 2855.58 | -153.43 | -32.90 | 163.66 | 585.95 | 24.16 | 24.96 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2963.22 | 2949.38 | -166.08 | -25.71 | 163.48 | 617.36 | 25.16 | 25.22 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3058.14 | 3043.18 | -178.74 | -18.51 | 163.32 | 648.78 | 26.17 | 25.45 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3153.06 | 3136.97 | -191.40 | -11.31 | 163.17 | 680.21 | 27.19 | 25.65 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3247.98 | 3230.77 | -204.06 | -4.11 | 163.04 | 711.64 | 28.23 | 25.83 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3342.90 | 3324.57 | -216.71 | 3.09 | 162.92 | 743.07 | 29.28 | 25.98 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3437.82 | 3418.36 | -229.37 | 10.29 | 162.80 | 774.50 | 30.34 | 26.12 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3532.74 | 3512.16 | -242.03 | 17.48 | 162.70 | 805.94 | 31.40 | 26.23 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3627.66 | 3605.96 | -254.68 | 24.68 | 162.61 | 837.38 | 32.47 | 26.34 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3722.58 | 3699.75 | -267.34 | 31.88 | 162.52 | 868.82 | 33.55 | 26.43 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3817.50 | 3793.55 | -280.00 | 39.08 | 162.43 | 900.26 | 34.64 | 26.51 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3912.42 | 3887.35 | -292.66 | 46.28 | 162.36 | 931.71 | 35.73 | 26.58 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 4007.34 | 3981.15 | -305.31 | 53.47 | 162.28 | 963.15 | 36.83 | 26.65 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 4102.26 | 4074.94 | -317.97 | 60.67 | 162.22 | 994.60 | 37.93 | 26.70 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-2NBH Offset Wellpath: ACKARD NORTH 2-35-2NBH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-2NBH Offset Wellpath: ACKARD NORTH 2-35-2NBH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1799.45 | -0.20 | -73.13 | -4.36 | -70.77 |
| 8.5in Open Hole | 1800.00 | 17719.12 | 15919.12 | 1799.45 | N/A | -4.36 | -70.77 | N/A | N/A |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-2NBH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|------------------|------------------------|
| 13.00 | 17719.12 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-2NBH |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-2NBH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CHAMPLIN 117 AMOCO G#2 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#2 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#01 EX CHAMPLIN 117 AMOCO G#2 (660'FSL & 1980'FEL, SEC.35, PA, 8360) Well: CHAMPLIN 117 AMOCO G#2 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 16.00 | 13.00 | 5342.20 | 1144.73 | 12.09 | 5463.47 | 50.38 | 110.18 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CHAMPLIN 117 AMOCO G#2 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#2 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CHAMPLIN 117 AMOCO G#2 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#2 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|----------------------------|
| 0.00 | 8360.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8360> | CHAMPLIN 117 AMOCO G#2 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CHAMPLIN 117 AMOCO G#2 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#2 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX CHAMPLIN 117 AMOCO G#2 (660'FSL & 1980'FEL, SEC.35, PA, 8360) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR-VAN SCHAAK #2-11 AWB Offset Wellpath: HSR-VAN SCHAAK #2-11 AWP

Facility: SEC.11-T02S-R66W Slot: SLOT#01 EX HSR-VAN SCHAAK #2-11 (608'FNL & 1956'FEL, SEC.11,8384, PR) Well: HSR-VAN SCHAAK #2-11 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 15.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 25.40 | 68.39 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 85.00 | 113.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 52.00 | 32.87 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 185.00 | 213.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 54.35 | 31.42 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 285.00 | 313.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 56.70 | 30.10 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 385.00 | 413.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 59.05 | 28.88 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 485.00 | 513.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 61.41 | 27.76 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 585.00 | 613.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 63.78 | 26.72 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 685.00 | 713.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 66.14 | 25.75 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 785.00 | 813.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 68.52 | 24.85 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 872.00 | 900.00 | -1197.27 | 1183.34 | 135.34 | 1683.38 | 70.58 | 24.11 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 885.00 | 913.00 | -1197.27 | 1183.34 | 29.12 | 1683.35 | 70.89 | 24.01 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 984.97 | 1012.97 | -1197.27 | 1183.34 | 29.17 | 1681.43 | 73.28 | 23.19 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1084.80 | 1112.80 | -1197.27 | 1183.34 | 29.31 | 1676.47 | 75.71 | 22.37 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1184.38 | 1212.38 | -1197.27 | 1183.34 | 29.55 | 1668.47 | 78.14 | 21.56 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1283.57 | 1311.57 | -1197.27 | 1183.34 | 29.87 | 1657.48 | 80.56 | 20.77 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1382.26 | 1410.26 | -1197.27 | 1183.34 | 30.29 | 1643.51 | 82.97 | 19.99 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1480.33 | 1508.33 | -1197.27 | 1183.34 | 30.81 | 1626.61 | 85.38 | 19.22 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1577.66 | 1605.66 | -1197.27 | 1183.34 | 31.44 | 1606.83 | 87.79 | 18.46 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1674.13 | 1702.13 | -1197.27 | 1183.34 | 32.18 | 1584.25 | 90.19 | 17.71 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1769.62 | 1797.62 | -1197.27 | 1183.34 | 33.03 | 1558.93 | 92.49 | 16.98 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1864.02 | 1892.02 | -1197.27 | 1183.34 | 34.02 | 1530.96 | 94.88 | 16.25 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1957.21 | 1985.21 | -1197.27 | 1183.34 | 35.15 | 1500.45 | 97.27 | 15.53 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2022.26 | 2050.26 | -1197.27 | 1183.34 | 36.03 | 1477.43 | 98.96 | 15.03 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2049.14 | 2077.14 | -1197.27 | 1183.34 | 36.29 | 1467.64 | 99.66 | 14.83 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2140.72 | 2168.72 | -1197.27 | 1183.34 | 37.21 | 1434.50 | 102.05 | 14.15 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2232.31 | 2260.31 | -1197.27 | 1183.34 | 38.18 | 1401.72 | 104.48 | 13.50 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2323.90 | 2351.90 | -1197.27 | 1183.34 | 39.18 | 1369.34 | 106.95 | 12.88 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2415.48 | 2443.48 | -1197.27 | 1183.34 | 40.23 | 1337.38 | 109.47 | 12.29 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2507.07 | 2535.07 | -1197.27 | 1183.34 | 41.33 | 1305.87 | 112.04 | 11.72 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2598.65 | 2626.65 | -1197.27 | 1183.34 | 42.47 | 1274.85 | 114.65 | 11.18 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR-VAN SCHAACK #2-11 AWB Offset Wellpath: HSR-VAN SCHAACK #2-11 AWP

Facility: SEC.11-T02S-R66W Slot: SLOT#01 EX HSR-VAN SCHAACK #2-11 (608'FNL & 1956'FEL, SEC.11,8384, PR) Well: HSR-VAN SCHAACK #2-11 Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|-------------|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2690.24 | 2718.24 | -1197.27 | 1183.34 | 43.67 | 1244.35 | 117.32 | 10.66 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2781.82 | 2809.82 | -1197.27 | 1183.34 | 44.93 | 1214.41 | 120.05 | 10.17 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2873.41 | 2901.41 | -1197.27 | 1183.34 | 46.24 | 1185.07 | 122.83 | 9.70 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2964.99 | 2992.99 | -1197.27 | 1183.34 | 47.61 | 1156.39 | 125.68 | 9.25 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3056.58 | 3084.58 | -1197.27 | 1183.34 | 49.05 | 1128.40 | 128.59 | 8.82 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3148.16 | 3176.16 | -1197.27 | 1183.34 | 50.55 | 1101.17 | 131.57 | 8.41 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3239.75 | 3267.75 | -1197.27 | 1183.34 | 52.12 | 1074.75 | 134.61 | 8.02 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3331.33 | 3359.33 | -1197.27 | 1183.34 | 53.75 | 1049.20 | 137.73 | 7.65 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3422.92 | 3450.92 | -1197.27 | 1183.34 | 55.46 | 1024.59 | 140.91 | 7.30 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3514.50 | 3542.50 | -1197.27 | 1183.34 | 57.24 | 1000.98 | 144.16 | 6.97 | PASS |
| 3813.00† | 3634.09 | -261.29 | 898.19 | 3606.09 | 3634.09 | -1197.27 | 1183.34 | 59.10 | 978.45 | 147.48 | 6.66 | PASS |
| 3913.00† | 3725.67 | -272.51 | 936.75 | 3697.67 | 3725.67 | -1197.27 | 1183.34 | 61.03 | 957.08 | 150.87 | 6.37 | PASS |
| 4013.00† | 3817.26 | -283.72 | 975.30 | 3789.26 | 3817.26 | -1197.27 | 1183.34 | 63.04 | 936.94 | 154.31 | 6.10 | PASS |
| 4113.00† | 3908.84 | -294.94 | 1013.85 | 3880.84 | 3908.84 | -1197.27 | 1183.34 | 65.12 | 918.11 | 157.81 | 5.84 | PASS |
| 4213.00† | 4000.43 | -306.16 | 1052.41 | 3972.43 | 4000.43 | -1197.27 | 1183.34 | 67.27 | 900.69 | 161.36 | 5.60 | PASS |
| 4313.00† | 4092.01 | -317.37 | 1090.96 | 4064.01 | 4092.01 | -1197.27 | 1183.34 | 69.49 | 884.74 | 164.95 | 5.38 | PASS |
| 4413.00† | 4183.60 | -328.59 | 1129.51 | 4155.60 | 4183.60 | -1197.27 | 1183.34 | 71.78 | 870.35 | 168.56 | 5.18 | PASS |
| 4513.00† | 4275.18 | -339.80 | 1168.07 | 4247.18 | 4275.18 | -1197.27 | 1183.34 | 74.13 | 857.61 | 172.20 | 5.00 | PASS |
| 4613.00† | 4366.77 | -351.02 | 1206.62 | 4338.77 | 4366.77 | -1197.27 | 1183.34 | 76.54 | 846.58 | 175.83 | 4.83 | PASS |
| 4713.00† | 4458.36 | -362.23 | 1245.17 | 4430.36 | 4458.36 | -1197.27 | 1183.34 | 79.00 | 837.33 | 179.46 | 4.68 | PASS |
| 4813.00† | 4549.94 | -373.45 | 1283.73 | 4521.94 | 4549.94 | -1197.27 | 1183.34 | 81.50 | 829.92 | 183.06 | 4.55 | PASS |
| 4913.00† | 4641.53 | -384.66 | 1322.28 | 4613.53 | 4641.53 | -1197.27 | 1183.34 | 84.03 | 824.40 | 186.62 | 4.43 | PASS |
| 5013.00† | 4733.11 | -395.88 | 1360.83 | 4705.11 | 4733.11 | -1197.27 | 1183.34 | 86.58 | 820.81 | 190.13 | 4.33 | PASS |
| 5113.00† | 4824.70 | -407.10 | 1399.39 | 4796.70 | 4824.70 | -1197.27 | 1183.34 | 89.15 | 819.18 | 193.57 | 4.24 | PASS |
| 5150.50† | 4859.04 | -411.30 | 1413.84 | 4830.62 | 4858.62 | -1197.27 | 1183.34 | 90.10 | 819.08 | 194.83 | 4.22 | PASS |
| 5213.00† | 4916.28 | -418.31 | 1437.94 | 4888.28 | 4916.28 | -1197.27 | 1183.34 | 91.72 | 819.51 | 196.93 | 4.17 | PASS |
| 5313.00† | 5007.87 | -429.53 | 1476.49 | 4979.87 | 5007.87 | -1197.27 | 1183.34 | 94.29 | 821.81 | 200.21 | 4.12 | PASS |
| 5413.00† | 5099.45 | -440.74 | 1515.05 | 5071.45 | 5099.45 | -1197.27 | 1183.34 | 96.83 | 826.06 | 203.40 | 4.07 | PASS |
| 5513.00† | 5191.04 | -451.96 | 1553.60 | 5163.04 | 5191.04 | -1197.27 | 1183.34 | 99.36 | 832.22 | 206.48 | 4.04 | PASS |
| 5613.00† | 5282.62 | -463.17 | 1592.15 | 5254.62 | 5282.62 | -1197.27 | 1183.34 | 101.84 | 840.26 | 209.47 | 4.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR-VAN SCHAACK #2-11 AWB Offset Wellpath: HSR-VAN SCHAACK #2-11 AWP

| Facility: SEC.11-T02S-R66W Slot: SLOT#01 EX HSR-VAN SCHAACK #2-11 (608'FNL & 1956'FEL, SEC.11,8384, PR) Well: HSR-VAN SCHAACK #2-11 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 5713.00† | 5374.21 | -474.39 | 1630.71 | 5346.21 | 5374.21 | -1197.27 | 1183.34 | 104.28 | 850.12 | 212.36 | 4.01 | PASS |
| 5743.12† | 5401.79 | -477.77 | 1642.32 | 5373.79 | 5401.79 | -1197.27 | 1183.34 | 105.01 | 853.43 | 213.21 | 4.01 | PASS |
| 5813.00† | 5465.79 | -485.60 | 1669.26 | 5437.79 | 5465.79 | -1197.27 | 1183.34 | 106.67 | 861.74 | 215.15 | 4.02 | PASS |
| 5913.00† | 5557.38 | -496.82 | 1707.81 | 5529.38 | 5557.38 | -1197.27 | 1183.34 | 109.00 | 875.05 | 217.85 | 4.03 | PASS |
| 6013.00† | 5648.96 | -508.03 | 1746.37 | 5620.96 | 5648.96 | -1197.27 | 1183.34 | 111.27 | 889.97 | 220.46 | 4.05 | PASS |
| 6113.00† | 5740.55 | -519.25 | 1784.92 | 5712.55 | 5740.55 | -1197.27 | 1183.34 | 113.47 | 906.43 | 222.99 | 4.07 | PASS |
| 6213.00† | 5832.13 | -530.47 | 1823.47 | 5804.13 | 5832.13 | -1197.27 | 1183.34 | 115.60 | 924.34 | 225.46 | 4.11 | PASS |
| 6313.00† | 5923.72 | -541.68 | 1862.03 | 5895.72 | 5923.72 | -1197.27 | 1183.34 | 117.65 | 943.62 | 227.86 | 4.15 | PASS |
| 6413.00† | 6015.30 | -552.90 | 1900.58 | 5987.30 | 6015.30 | -1197.27 | 1183.34 | 119.63 | 964.19 | 230.20 | 4.20 | PASS |
| 6513.00† | 6106.89 | -564.11 | 1939.13 | 6078.89 | 6106.89 | -1197.27 | 1183.34 | 121.54 | 985.96 | 232.50 | 4.25 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HSR-VAN SCHAACK #2-11 AWB Offset Wellpath: HSR-VAN SCHAACK #2-11 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: HSR-VAN SCHAACK #2-11 AWB Offset Wellpath: HSR-VAN SCHAACK #2-11 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|---------------------------|
| 0.00 | 8384.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8384> | HSR-VAN SCHAACK #2-11 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HSR-VAN SCHAACK #2-11 AWB Offset Wellpath: HSR-VAN SCHAACK #2-11 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX HSR-VAN SCHAACK #2-11 (608'FNL & 1956'FEL, SEC.11,8384, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#07 ACKARD NORTH 2-35-2NCH (600'FSL & 2025'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.38 | -134.95 | -90.16 | 134.95 | 1.40 | 223.59 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.38 | -134.95 | -90.16 | 134.95 | 1.72 | 146.54 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.38 | -134.95 | -90.16 | 134.95 | 2.28 | 90.67 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.38 | -134.95 | -90.16 | 134.95 | 2.88 | 64.47 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.38 | -134.95 | -90.16 | 134.95 | 3.50 | 49.79 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.38 | -134.95 | -90.16 | 134.95 | 4.12 | 40.49 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.38 | -134.95 | -90.16 | 134.95 | 4.74 | 34.09 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.38 | -134.95 | -90.16 | 134.95 | 5.36 | 29.42 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.38 | -134.95 | -90.16 | 134.95 | 5.99 | 25.88 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.38 | -134.95 | -90.16 | 134.95 | 6.53 | 23.42 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.38 | -134.95 | 163.62 | 134.98 | 6.61 | 23.10 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.38 | -134.95 | 163.87 | 137.09 | 7.35 | 20.83 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.38 | -134.95 | 164.47 | 142.56 | 8.34 | 18.81 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.38 | -134.95 | 165.36 | 151.42 | 9.27 | 17.80 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.57 | 1311.57 | -0.38 | -134.95 | 166.42 | 163.68 | 10.15 | 17.43 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1410.36 | 1410.36 | -0.40 | -134.95 | 167.55 | 179.37 | 11.00 | 17.52 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1509.54 | 1509.51 | -2.47 | -134.79 | 168.10 | 198.16 | 11.82 | 17.90 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1608.28 | 1608.10 | -7.93 | -134.38 | 167.81 | 219.78 | 12.65 | 18.49 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1706.35 | 1705.77 | -16.70 | -133.70 | 166.92 | 244.24 | 13.48 | 19.20 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1803.17 | 1801.87 | -28.45 | -132.80 | 165.65 | 271.61 | 14.21 | 20.06 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1898.28 | 1896.17 | -40.71 | -131.86 | 164.61 | 302.21 | 15.07 | 20.99 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1992.34 | 1989.44 | -52.84 | -130.93 | 163.87 | 336.03 | 15.96 | 21.98 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2058.09 | 2054.64 | -61.32 | -130.28 | 163.49 | 361.83 | 16.57 | 22.77 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2085.28 | 2081.61 | -64.82 | -130.02 | 163.42 | 372.87 | 16.83 | 23.08 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2177.93 | 2173.47 | -76.77 | -129.10 | 163.22 | 410.50 | 17.63 | 24.21 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2270.57 | 2265.34 | -88.71 | -128.19 | 163.06 | 448.13 | 18.47 | 25.19 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2363.21 | 2357.20 | -100.66 | -127.27 | 162.92 | 485.76 | 19.32 | 26.06 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2455.86 | 2449.07 | -112.60 | -126.35 | 162.80 | 523.39 | 20.22 | 26.79 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2548.50 | 2540.94 | -124.55 | -125.44 | 162.69 | 561.03 | 21.13 | 27.44 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2641.14 | 2632.80 | -136.49 | -124.52 | 162.60 | 598.66 | 22.06 | 28.01 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#07 ACKARD NORTH 2-35-2NCH (600'FSL & 2025'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NCH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2733.79 | 2724.67 | -148.44 | -123.61 | 162.52 | 636.30 | 23.00 | 28.51 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2826.43 | 2816.53 | -160.38 | -122.69 | 162.45 | 673.94 | 23.96 | 28.95 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2919.07 | 2908.40 | -172.33 | -121.78 | 162.39 | 711.58 | 24.93 | 29.34 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 3011.72 | 3000.26 | -184.27 | -120.86 | 162.33 | 749.22 | 25.92 | 29.69 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3104.36 | 3092.13 | -196.22 | -119.95 | 162.28 | 786.86 | 26.91 | 30.00 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3197.00 | 3183.99 | -208.16 | -119.03 | 162.23 | 824.50 | 27.91 | 30.28 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3289.65 | 3275.86 | -220.11 | -118.12 | 162.19 | 862.14 | 28.93 | 30.53 | PASS |
| 3513.00† | 3359.33 | -227.65 | 782.53 | 3382.29 | 3367.72 | -232.05 | -117.20 | 162.15 | 899.78 | 29.94 | 30.75 | PASS |
| 3613.00† | 3450.92 | -238.86 | 821.09 | 3474.93 | 3459.59 | -244.00 | -116.29 | 162.11 | 937.43 | 30.97 | 30.96 | PASS |
| 3713.00† | 3542.50 | -250.08 | 859.64 | 3567.58 | 3551.45 | -255.94 | -115.37 | 162.08 | 975.07 | 32.00 | 31.14 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1798.72 | -0.23 | -82.27 | -8.66 | -81.62 |
| 8.5in Open Hole | 1800.00 | 17770.56 | 15970.56 | 1798.72 | 7678.00 | -8.66 | -81.62 | 2919.70 | -72.04 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 20586.05 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-2NCH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-2NCH PWB Offset Wellpath: ACKARD NORTH 2-35-2NCH PWP (REV. A.0) | |
|--|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#06 ACKARD NORTH 2-35-2NAH (600'FSL & 2010'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.44 | -149.99 | -90.17 | 149.99 | 1.40 | 248.65 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.44 | -149.99 | -90.17 | 149.99 | 1.72 | 162.97 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.44 | -149.99 | -90.17 | 149.99 | 2.28 | 100.84 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.44 | -149.99 | -90.17 | 149.99 | 2.88 | 71.70 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.44 | -149.99 | -90.17 | 149.99 | 3.50 | 55.37 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.44 | -149.99 | -90.17 | 149.99 | 4.12 | 45.03 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.44 | -149.99 | -90.17 | 149.99 | 4.74 | 37.91 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.44 | -149.99 | -90.17 | 149.99 | 5.36 | 32.72 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.44 | -149.99 | -90.17 | 149.99 | 5.99 | 28.78 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.44 | -149.99 | -90.17 | 149.99 | 6.53 | 26.05 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.44 | -149.99 | 163.62 | 150.02 | 6.61 | 25.69 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.44 | -149.99 | 163.84 | 152.13 | 7.35 | 23.13 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.44 | -149.99 | 164.38 | 157.60 | 8.34 | 20.80 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.38 | 1212.38 | -0.44 | -149.99 | 165.19 | 166.45 | 9.26 | 19.58 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1311.40 | 1311.40 | -0.46 | -150.00 | 166.15 | 178.71 | 10.14 | 19.05 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1408.61 | 1408.59 | -2.42 | -150.56 | 166.61 | 194.83 | 10.99 | 19.05 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1504.97 | 1504.79 | -7.48 | -152.03 | 166.30 | 215.06 | 11.82 | 19.45 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1600.14 | 1599.59 | -15.53 | -154.36 | 165.45 | 239.37 | 12.65 | 20.14 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1693.82 | 1692.58 | -26.40 | -157.51 | 164.22 | 267.77 | 13.49 | 21.05 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1788.37 | 1786.23 | -38.89 | -161.13 | 163.04 | 299.86 | 14.29 | 22.09 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1881.88 | 1878.85 | -51.25 | -164.71 | 162.20 | 335.16 | 15.12 | 23.20 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1974.19 | 1970.28 | -63.45 | -168.24 | 161.63 | 373.56 | 16.03 | 24.34 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2038.62 | 2034.10 | -71.97 | -170.70 | 161.35 | 402.53 | 16.66 | 25.19 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2065.25 | 2060.48 | -75.48 | -171.72 | 161.34 | 414.87 | 16.90 | 25.57 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2155.97 | 2150.33 | -87.47 | -175.20 | 161.30 | 456.94 | 17.72 | 26.83 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2246.69 | 2240.19 | -99.46 | -178.67 | 161.26 | 499.01 | 18.55 | 27.92 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2337.41 | 2330.05 | -111.45 | -182.14 | 161.24 | 541.07 | 19.43 | 28.87 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2428.13 | 2419.91 | -123.44 | -185.61 | 161.21 | 583.14 | 20.32 | 29.70 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2518.85 | 2509.77 | -135.43 | -189.08 | 161.19 | 625.21 | 21.23 | 30.43 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2609.57 | 2599.63 | -147.42 | -192.55 | 161.18 | 667.28 | 22.16 | 31.07 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#06 ACKARD NORTH 2-35-2NAH (600'FSL & 2010'FWL, SEC.02) Well: ACKARD NORTH 2-35-2NAH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2700.30 | 2689.48 | -159.41 | -196.03 | 161.16 | 709.34 | 23.10 | 31.64 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2791.02 | 2779.34 | -171.40 | -199.50 | 161.15 | 751.41 | 24.06 | 32.14 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2881.74 | 2869.20 | -183.39 | -202.97 | 161.13 | 793.48 | 25.03 | 32.59 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2972.46 | 2959.06 | -195.38 | -206.44 | 161.12 | 835.55 | 26.01 | 32.99 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3063.18 | 3048.92 | -207.37 | -209.91 | 161.11 | 877.61 | 27.00 | 33.35 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3153.90 | 3138.78 | -219.35 | -213.39 | 161.10 | 919.68 | 28.00 | 33.67 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3244.62 | 3228.63 | -231.34 | -216.86 | 161.09 | 961.75 | 29.01 | 33.96 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1797.75 | -0.27 | -91.44 | -12.46 | -94.96 |
| 8.5in Open Hole | 1800.00 | 17752.02 | 15952.02 | 1797.75 | N/A | -12.46 | -94.96 | N/A | N/A |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 17552.02 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-2NAH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-2NAH PWB Offset Wellpath: ACKARD NORTH 2-35-2NAH PWP (REV. A.0) | |
|--|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWB Offset Wellpath: ACKARD NORTH 2-35-2CDH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#05 ACKARD NORTH 2-35-2CDH (600'FSL & 1995'FWL, SEC.02) Well: ACKARD NORTH 2-35-2CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.49 | -164.97 | -90.17 | 164.97 | 1.40 | 273.62 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.49 | -164.97 | -90.17 | 164.97 | 1.72 | 179.11 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.49 | -164.97 | -90.17 | 164.97 | 2.28 | 110.81 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.49 | -164.97 | -90.17 | 164.97 | 2.89 | 78.81 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.49 | -164.97 | -90.17 | 164.97 | 3.50 | 60.87 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.49 | -164.97 | -90.17 | 164.97 | 4.12 | 49.50 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.49 | -164.97 | -90.17 | 164.97 | 4.74 | 41.68 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.49 | -164.97 | -90.17 | 164.97 | 5.36 | 35.99 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.49 | -164.97 | -90.17 | 164.97 | 5.99 | 31.65 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.49 | -164.97 | -90.17 | 164.97 | 6.53 | 28.65 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.49 | -164.97 | 163.61 | 165.00 | 6.61 | 28.25 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.49 | -164.97 | 163.81 | 167.11 | 7.35 | 25.40 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.80 | 1112.80 | -0.49 | -164.97 | 164.31 | 172.58 | 8.34 | 22.78 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1212.11 | 1212.11 | -0.52 | -164.98 | 165.04 | 181.44 | 9.26 | 21.35 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1309.06 | 1309.03 | -2.42 | -165.75 | 165.34 | 194.39 | 10.14 | 20.72 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1405.16 | 1404.99 | -7.31 | -167.70 | 164.97 | 211.82 | 11.02 | 20.66 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1500.07 | 1499.52 | -15.07 | -170.81 | 164.09 | 233.73 | 11.88 | 21.03 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1594.10 | 1592.87 | -25.56 | -175.00 | 162.88 | 260.08 | 12.72 | 21.75 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1689.41 | 1687.37 | -37.09 | -179.62 | 161.84 | 290.07 | 13.60 | 22.61 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1783.72 | 1780.87 | -48.50 | -184.18 | 161.13 | 323.24 | 14.39 | 23.66 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1876.89 | 1873.25 | -59.77 | -188.69 | 160.68 | 359.52 | 15.23 | 24.72 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1968.83 | 1964.40 | -70.90 | -193.14 | 160.42 | 398.85 | 16.12 | 25.83 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2032.97 | 2027.99 | -78.66 | -196.25 | 160.31 | 428.45 | 16.75 | 26.66 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2059.47 | 2054.27 | -81.86 | -197.53 | 160.37 | 441.06 | 17.00 | 27.04 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2149.77 | 2143.79 | -92.79 | -201.90 | 160.56 | 484.01 | 17.81 | 28.26 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2240.06 | 2233.32 | -103.71 | -206.27 | 160.71 | 526.97 | 18.63 | 29.37 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2330.36 | 2322.84 | -114.64 | -210.65 | 160.84 | 569.93 | 19.48 | 30.32 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2420.65 | 2412.37 | -125.56 | -215.02 | 160.95 | 612.89 | 20.35 | 31.16 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2510.95 | 2501.89 | -136.48 | -219.39 | 161.05 | 655.85 | 21.24 | 31.90 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2601.24 | 2591.42 | -147.41 | -223.76 | 161.13 | 698.82 | 22.15 | 32.56 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWB Offset Wellpath: ACKARD NORTH 2-35-2CDH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#05 ACKARD NORTH 2-35-2CDH (600'FSL & 1995'FWL, SEC.02) Well: ACKARD NORTH 2-35-2CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2691.53 | 2680.94 | -158.33 | -228.13 | 161.21 | 741.78 | 23.07 | 33.15 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2781.83 | 2770.47 | -169.26 | -232.50 | 161.28 | 784.75 | 24.00 | 33.67 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2872.12 | 2859.99 | -180.18 | -236.87 | 161.34 | 827.72 | 24.94 | 34.14 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2962.42 | 2949.52 | -191.11 | -241.24 | 161.39 | 870.69 | 25.88 | 34.56 | PASS |
| 3213.00† | 3084.58 | -194.00 | 666.87 | 3052.71 | 3039.04 | -202.03 | -245.61 | 161.44 | 913.66 | 26.84 | 34.93 | PASS |
| 3313.00† | 3176.16 | -205.22 | 705.43 | 3143.01 | 3128.57 | -212.95 | -249.99 | 161.49 | 956.63 | 27.81 | 35.28 | PASS |
| 3413.00† | 3267.75 | -216.43 | 743.98 | 3233.30 | 3218.09 | -223.88 | -254.36 | 161.53 | 999.60 | 28.78 | 35.59 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWB Offset Wellpath: ACKARD NORTH 2-35-2CDH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWB Offset Wellpath: ACKARD NORTH 2-35-2CDH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1797.01 | -0.30 | -100.57 | -15.53 | -106.66 |
| 8.5in Open Hole | 1800.00 | 17937.78 | 16137.78 | 1797.01 | 7843.00 | -15.53 | -106.66 | 2918.61 | -204.91 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------------|
| 13.00 | 19125.24 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-2CDH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-2CDH PWB Offset Wellpath: ACKARD NORTH 2-35-2CDH PWP (REV. A.0) | |
|--|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CHAMPLIN 117 AMOCO G#6 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#6 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#01 EX CHAMPLIN 117 AMOCO G #6 (660'FNL & 1980'FWL, SEC.35,8308,PR) Well: CHAMPLIN 117 AMOCO G#6 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 65.00 | 9283.95 | -169.09 | -1.04 | 9285.63 | 25.40 | 377.41 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CHAMPLIN 117 AMOCO G#6 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#6 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CHAMPLIN 117 AMOCO G#6 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#6 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|----------------------------|
| 0.00 | 8308.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8308> | CHAMPLIN 117 AMOCO G#6 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CHAMPLIN 117 AMOCO G#6 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#6 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX CHAMPLIN 117 AOMOCO G #6 (660'FNL & 1980'FWL, SEC.35,8308,PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: LEECH #24-26 AWB Offset Wellpath: LEECH #24-26 AWP

| Facility: SEC.26-T01S-R66W Slot: SLOT#03 EX LEECH #24-26 (659'FSL & 2026'FWL, SEC.26,8296, PR) Well: LEECH #24-26 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 64.00 | 10591.38 | -170.69 | -0.92 | 10592.88 | 25.40 | 430.54 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LEECH #24-26 AWB Offset Wellpath: LEECH #24-26 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: LEECH #24-26 AWB Offset Wellpath: LEECH #24-26 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|------------------|
| 0.00 | 8296.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8296> | LEECH #24-26 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: LEECH #24-26 AWB Offset Wellpath: LEECH #24-26 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#03 ES LEECH #24-26 (659'FSL & 2026'FWL, SEC.26,8296, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWB Offset Wellpath: ACKARD NORTH 2-35-1NBH PWP (REV. A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#04 ACKARD NORTH 2-35-1NBH (600'FSL & 1980'FWL, SEC.02) Well: ACKARD NORTH 2-35-1NBH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.51 | -179.98 | -90.16 | 179.99 | 1.40 | 298.64 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.51 | -179.98 | -90.16 | 179.99 | 1.72 | 195.73 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.51 | -179.98 | -90.16 | 179.99 | 2.28 | 121.11 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.51 | -179.98 | -90.16 | 179.99 | 2.88 | 86.12 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.51 | -179.98 | -90.16 | 179.99 | 3.50 | 66.50 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.51 | -179.98 | -90.16 | 179.99 | 4.12 | 54.08 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.51 | -179.98 | -90.16 | 179.99 | 4.74 | 45.53 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.51 | -179.98 | -90.16 | 179.99 | 5.36 | 39.30 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.51 | -179.98 | -90.16 | 179.99 | 5.99 | 34.56 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.51 | -179.98 | -90.16 | 179.99 | 6.53 | 31.28 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.51 | -179.98 | 163.62 | 180.01 | 6.61 | 30.85 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.97 | 1012.97 | -0.51 | -179.98 | 163.80 | 182.12 | 7.35 | 27.71 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1112.27 | 1112.27 | -0.53 | -180.00 | 164.25 | 187.61 | 8.34 | 24.79 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1207.53 | 1207.51 | -2.02 | -181.33 | 164.45 | 197.81 | 9.29 | 23.22 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1301.85 | 1301.68 | -5.81 | -184.72 | 164.19 | 213.50 | 10.28 | 22.43 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1394.76 | 1394.24 | -11.81 | -190.08 | 163.57 | 234.61 | 11.25 | 22.38 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1485.87 | 1484.70 | -19.87 | -197.27 | 162.72 | 261.08 | 12.15 | 22.94 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1574.79 | 1572.62 | -29.79 | -206.13 | 161.74 | 292.80 | 13.04 | 23.87 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1667.71 | 1664.24 | -41.33 | -216.43 | 160.82 | 328.78 | 13.87 | 25.11 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1759.73 | 1754.98 | -52.76 | -226.64 | 160.19 | 367.85 | 14.47 | 26.76 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1850.45 | 1844.43 | -64.03 | -236.70 | 159.77 | 409.92 | 15.46 | 27.74 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1939.73 | 1932.47 | -75.12 | -246.60 | 159.51 | 454.93 | 16.34 | 29.06 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 2001.89 | 1993.76 | -82.84 | -253.49 | 159.39 | 488.49 | 16.94 | 30.04 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 2027.55 | 2019.06 | -86.03 | -256.34 | 159.47 | 502.73 | 17.19 | 30.46 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2114.98 | 2105.27 | -96.89 | -266.03 | 159.69 | 551.25 | 17.96 | 31.91 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2202.40 | 2191.47 | -107.75 | -275.73 | 159.87 | 599.77 | 18.77 | 33.16 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2289.82 | 2277.67 | -118.61 | -285.43 | 160.03 | 648.29 | 19.61 | 34.27 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2377.25 | 2363.88 | -129.46 | -295.12 | 160.16 | 696.82 | 20.46 | 35.24 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2464.67 | 2450.08 | -140.32 | -304.82 | 160.28 | 745.36 | 21.33 | 36.11 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2552.10 | 2536.28 | -151.18 | -314.51 | 160.39 | 793.89 | 22.22 | 36.87 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWB Offset Wellpath: ACKARD NORTH 2-35-1NBH PWP (REV. A.0)

| Facility: SEC.02-T03S-R66W Slot: SLOT#04 ACKARD NORTH 2-35-1NBH (600'FSL & 1980'FWL, SEC.02) Well: ACKARD NORTH 2-35-1NBH Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2639.52 | 2622.49 | -162.04 | -324.21 | 160.48 | 842.43 | 23.12 | 37.56 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2726.95 | 2708.69 | -172.90 | -333.90 | 160.56 | 890.96 | 24.03 | 38.17 | PASS |
| 3013.00† | 2901.41 | -171.57 | 589.77 | 2814.37 | 2794.89 | -183.76 | -343.60 | 160.63 | 939.50 | 24.96 | 38.71 | PASS |
| 3113.00† | 2992.99 | -182.78 | 628.32 | 2901.79 | 2881.10 | -194.62 | -353.29 | 160.70 | 988.04 | 25.89 | 39.20 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWB Offset Wellpath: ACKARD NORTH 2-35-1NBH PWP (REV. A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWB Offset Wellpath: ACKARD NORTH 2-35-1NBH PWP (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] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1794.69 | -0.31 | -109.72 | -17.76 | -125.30 |
| 8.5in Open Hole | 1800.00 | 17742.92 | 15942.92 | 1794.69 | 7618.00 | -17.76 | -125.30 | 2917.55 | -333.20 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWP (REV. A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------------|
| 13.00 | 17742.92 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-1NBH PWB |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-1NBH PWB Offset Wellpath: ACKARD NORTH 2-35-1NBH PWP (REV. A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (REV.A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#03 ACKARD NORTH 2-35-1NCH (600'FSL & 1965'FWL, SEC.02) Well: ACKARD NORTH 2-35-1NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.57 | -194.94 | -90.17 | 194.94 | 1.40 | 323.56 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.57 | -194.94 | -90.17 | 194.94 | 1.72 | 210.83 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.57 | -194.94 | -90.17 | 194.94 | 2.29 | 130.34 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.57 | -194.94 | -90.17 | 194.94 | 2.89 | 92.78 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.57 | -194.94 | -90.17 | 194.94 | 3.51 | 71.71 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.57 | -194.94 | -90.17 | 194.94 | 4.13 | 58.35 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.57 | -194.94 | -90.17 | 194.94 | 4.75 | 49.16 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.57 | -194.94 | -90.17 | 194.94 | 5.38 | 42.45 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.57 | -194.94 | -90.17 | 194.94 | 6.00 | 37.35 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.57 | -194.94 | -90.17 | 194.94 | 6.54 | 33.81 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 913.00 | 913.00 | -0.57 | -194.94 | 163.62 | 194.97 | 6.63 | 33.34 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1012.28 | 1012.28 | -0.58 | -194.96 | 163.78 | 197.10 | 7.36 | 29.94 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1106.67 | 1106.64 | -1.73 | -196.55 | 163.84 | 204.24 | 8.40 | 26.77 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1200.21 | 1200.05 | -4.65 | -200.62 | 163.62 | 217.37 | 9.52 | 24.83 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1292.43 | 1291.93 | -9.28 | -207.04 | 163.18 | 236.40 | 10.57 | 24.12 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1382.86 | 1381.72 | -15.49 | -215.67 | 162.59 | 261.24 | 11.53 | 24.27 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1471.05 | 1468.93 | -23.14 | -226.30 | 161.91 | 291.75 | 12.48 | 24.91 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1556.64 | 1553.15 | -32.06 | -238.70 | 161.19 | 327.77 | 13.08 | 26.64 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1643.83 | 1638.50 | -42.43 | -253.11 | 160.47 | 368.82 | 14.21 | 27.46 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1733.47 | 1726.20 | -53.27 | -268.17 | 159.93 | 413.11 | 14.95 | 29.04 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1821.62 | 1812.44 | -63.92 | -282.97 | 159.57 | 460.32 | 15.72 | 30.61 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1908.17 | 1897.12 | -74.38 | -297.51 | 159.32 | 510.39 | 16.55 | 32.16 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 1968.29 | 1955.94 | -81.65 | -307.61 | 159.20 | 547.45 | 17.21 | 33.14 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 1993.09 | 1980.20 | -84.65 | -311.77 | 159.28 | 563.14 | 17.40 | 33.69 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2077.57 | 2062.86 | -94.86 | -325.96 | 159.54 | 616.60 | 18.12 | 35.38 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2162.05 | 2145.51 | -105.07 | -340.15 | 159.76 | 670.06 | 18.89 | 36.81 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2246.54 | 2228.17 | -115.29 | -354.34 | 159.94 | 723.53 | 19.69 | 38.08 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2331.02 | 2310.82 | -125.50 | -368.53 | 160.10 | 777.01 | 20.51 | 39.20 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2415.50 | 2393.47 | -135.71 | -382.72 | 160.24 | 830.48 | 21.35 | 40.20 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2499.99 | 2476.13 | -145.92 | -396.91 | 160.37 | 883.96 | 22.21 | 41.09 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (REV-A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#03 ACKARD NORTH 2-35-1NCH (600'FSL & 1965'FWL, SEC.02) Well: ACKARD NORTH 2-35-1NCH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 2813.00† | 2718.24 | -149.14 | 512.66 | 2584.47 | 2558.78 | -156.14 | -411.10 | 160.47 | 937.45 | 23.08 | 41.88 | PASS |
| 2913.00† | 2809.82 | -160.35 | 551.21 | 2668.95 | 2641.44 | -166.35 | -425.29 | 160.57 | 990.93 | 23.96 | 42.59 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (REV-A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1791.29 | -0.35 | -118.83 | -18.86 | -144.56 |
| 8.5in Open Hole | 1800.00 | 17864.18 | 16064.18 | 1791.29 | 7690.00 | -18.86 | -144.56 | 2916.46 | -461.47 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (REV-A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------------|
| 13.00 | 17864.18 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-1NCH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-1NCH PWB Offset Wellpath: ACKARD NORTH 2-35-1NCH PWP (REV-A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 (1980'FSL & 1980'FWL, SEC.35, PA,8360) Well: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 21.00 | 6609.68 | -166.81 | -1.45 | 6611.79 | 25.40 | 268.72 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|-------------------------|---------------------------------------|
| 0.00 | 8360.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8360> | SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWB Offset Wellpath: SLOT#01 EX CHAMPLIN 117 AMOCO G#3 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX CHAMPLIN 117 AMOCO G#3 (1980'FSL & 1980'FWL, SEC.35, PA,8360) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1NAH PWB Offset Wellpath: ACKARD NORTH 2-35-1NAH PWP (REV-A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#02 ACKARD NORTH 2-35-1NAH (600'FSL & 1950'FWL, SEC.02) Well: ACKARD NORTH 2-35-1NAH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.55 | -209.95 | -90.15 | 209.95 | 1.40 | 348.58 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.55 | -209.95 | -90.15 | 209.95 | 1.72 | 226.98 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.55 | -209.95 | -90.15 | 209.95 | 2.29 | 140.31 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.55 | -209.95 | -90.15 | 209.95 | 2.90 | 99.89 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.55 | -209.95 | -90.15 | 209.95 | 3.51 | 77.22 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.55 | -209.95 | -90.15 | 209.95 | 4.13 | 62.84 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.55 | -209.95 | -90.15 | 209.95 | 4.75 | 52.94 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.55 | -209.95 | -90.15 | 209.95 | 5.38 | 45.72 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 813.00 | 813.00 | -0.55 | -209.95 | -90.15 | 209.95 | 6.00 | 40.22 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 900.00 | 900.00 | -0.55 | -209.95 | -90.15 | 209.95 | 6.55 | 36.41 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 912.23 | 912.23 | -0.56 | -209.97 | 163.63 | 210.00 | 6.62 | 35.94 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 1006.19 | 1006.17 | -1.57 | -211.63 | 163.49 | 213.88 | 7.42 | 32.18 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1099.55 | 1099.39 | -4.14 | -215.90 | 163.17 | 223.91 | 8.66 | 28.38 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1191.79 | 1191.28 | -8.23 | -222.66 | 162.69 | 240.01 | 9.79 | 26.62 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1282.41 | 1281.28 | -13.73 | -231.76 | 162.12 | 262.11 | 10.85 | 26.01 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1370.97 | 1368.85 | -20.52 | -243.01 | 161.49 | 290.07 | 11.79 | 26.31 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1457.04 | 1453.54 | -28.47 | -256.16 | 160.85 | 323.73 | 12.65 | 27.25 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1540.28 | 1534.97 | -37.40 | -270.94 | 160.21 | 362.87 | 13.60 | 28.29 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1624.11 | 1616.47 | -47.52 | -287.70 | 159.58 | 407.14 | 14.42 | 29.83 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1712.04 | 1701.86 | -58.38 | -305.67 | 159.09 | 454.75 | 15.16 | 31.52 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1798.37 | 1785.69 | -69.04 | -323.31 | 158.75 | 505.20 | 15.96 | 33.17 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1883.00 | 1867.88 | -79.49 | -340.60 | 158.50 | 558.43 | 16.79 | 34.68 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 1941.71 | 1924.89 | -86.74 | -352.60 | 158.37 | 597.69 | 17.31 | 35.96 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 1965.91 | 1948.39 | -89.72 | -357.54 | 158.46 | 614.28 | 17.54 | 36.46 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2048.35 | 2028.45 | -99.90 | -374.39 | 158.75 | 670.81 | 18.28 | 38.14 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2130.80 | 2108.51 | -110.08 | -391.23 | 159.00 | 727.35 | 19.05 | 39.62 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2213.24 | 2188.57 | -120.26 | -408.08 | 159.21 | 783.90 | 19.84 | 40.94 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2295.68 | 2268.63 | -130.44 | -424.93 | 159.39 | 840.45 | 20.66 | 42.10 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2378.13 | 2348.68 | -140.62 | -441.77 | 159.55 | 897.01 | 21.49 | 43.13 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2460.57 | 2428.74 | -150.80 | -458.62 | 159.69 | 953.58 | 22.34 | 44.05 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-1NAH PWB Offset Wellpath: ACKARD NORTH 2-35-1NAH PWP (REV-A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-1NAH PWB Offset Wellpath: ACKARD NORTH 2-35-1NAH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1787.28 | -0.33 | -127.99 | -21.27 | -162.64 |
| 8.5in Open Hole | 1800.00 | 17683.47 | 15883.47 | 1787.28 | 7468.00 | -21.27 | -162.64 | 2915.67 | -559.29 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-1NAH PWB Offset Wellpath: ACKARD NORTH 2-35-1NAH PWP (REV-A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------------|
| 13.00 | 17683.47 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-1NAH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-1NAH PWB Offset Wellpath: ACKARD NORTH 2-35-1NAH PWP (REV-A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: ACKARD NORTH 2-35-1CDH PWB Offset Wellpath: ACKARD NORTH 2-35-1CDH PWP (REV-A.0)

Facility: SEC.02-T03S-R66W Slot: SLOT#01 ACKARD NORTH 2-35-1CDH (600'FSL & 1935'FWL, SEC.02) Well: ACKARD NORTH 2-35-1CDH Threshold Value=1.00 † = interpolated/extrapolated station

| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
|----------------|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| 13.00 | 13.00 | 0.00 | 0.00 | 13.00 | 13.00 | -0.60 | -224.96 | -90.15 | 224.96 | 1.40 | 373.60 | PASS |
| 113.00† | 113.00 | 0.00 | 0.00 | 113.00 | 113.00 | -0.60 | -224.96 | -90.15 | 224.96 | 1.72 | 243.18 | PASS |
| 213.00† | 213.00 | 0.00 | 0.00 | 213.00 | 213.00 | -0.60 | -224.96 | -90.15 | 224.96 | 2.29 | 150.31 | PASS |
| 313.00† | 313.00 | 0.00 | 0.00 | 313.00 | 313.00 | -0.60 | -224.96 | -90.15 | 224.96 | 2.90 | 107.01 | PASS |
| 413.00† | 413.00 | 0.00 | 0.00 | 413.00 | 413.00 | -0.60 | -224.96 | -90.15 | 224.96 | 3.51 | 82.73 | PASS |
| 513.00† | 513.00 | 0.00 | 0.00 | 513.00 | 513.00 | -0.60 | -224.96 | -90.15 | 224.96 | 4.13 | 67.33 | PASS |
| 613.00† | 613.00 | 0.00 | 0.00 | 613.00 | 613.00 | -0.60 | -224.96 | -90.15 | 224.96 | 4.75 | 56.72 | PASS |
| 713.00† | 713.00 | 0.00 | 0.00 | 713.00 | 713.00 | -0.60 | -224.96 | -90.15 | 224.96 | 5.38 | 48.99 | PASS |
| 813.00† | 813.00 | 0.00 | 0.00 | 812.16 | 812.16 | -0.62 | -224.98 | -90.16 | 224.99 | 6.00 | 43.14 | PASS |
| 900.00 | 900.00 | 0.00 | 0.00 | 893.48 | 893.46 | -1.32 | -226.31 | -90.33 | 226.40 | 6.61 | 38.85 | PASS |
| 913.00† | 913.00 | -0.01 | 0.03 | 905.62 | 905.60 | -1.52 | -226.68 | 163.40 | 226.83 | 6.70 | 38.32 | PASS |
| 1013.00† | 1012.97 | -0.62 | 2.14 | 998.73 | 998.57 | -3.85 | -231.04 | 162.93 | 233.65 | 7.72 | 33.65 | PASS |
| 1113.00† | 1112.80 | -2.21 | 7.60 | 1090.96 | 1090.46 | -7.55 | -237.99 | 162.37 | 246.66 | 8.95 | 30.16 | PASS |
| 1213.00† | 1212.38 | -4.77 | 16.40 | 1181.81 | 1180.68 | -12.56 | -247.38 | 161.75 | 265.79 | 10.08 | 28.55 | PASS |
| 1313.00† | 1311.57 | -8.30 | 28.54 | 1270.80 | 1268.68 | -18.77 | -259.01 | 161.11 | 290.92 | 11.05 | 28.30 | PASS |
| 1413.00† | 1410.26 | -12.80 | 43.99 | 1357.48 | 1353.97 | -26.06 | -272.67 | 160.49 | 321.89 | 11.94 | 28.84 | PASS |
| 1513.00† | 1508.33 | -18.25 | 62.73 | 1441.48 | 1436.13 | -34.27 | -288.06 | 159.88 | 358.51 | 12.96 | 29.43 | PASS |
| 1613.00† | 1605.66 | -24.66 | 84.76 | 1525.40 | 1517.71 | -43.55 | -305.45 | 159.29 | 400.45 | 13.78 | 30.80 | PASS |
| 1713.00† | 1702.13 | -32.01 | 110.03 | 1614.46 | 1604.12 | -53.68 | -324.44 | 158.84 | 445.92 | 14.54 | 32.40 | PASS |
| 1813.00† | 1797.62 | -40.30 | 138.52 | 1701.99 | 1689.06 | -63.64 | -343.11 | 158.53 | 494.26 | 15.28 | 33.98 | PASS |
| 1913.00† | 1892.02 | -49.51 | 170.19 | 1787.89 | 1772.41 | -73.41 | -361.42 | 158.32 | 545.42 | 16.11 | 35.46 | PASS |
| 2013.00† | 1985.21 | -59.64 | 205.00 | 1872.04 | 1854.07 | -82.99 | -379.36 | 158.18 | 599.36 | 16.85 | 37.10 | PASS |
| 2083.65 | 2050.26 | -67.34 | 231.47 | 1930.39 | 1910.69 | -89.62 | -391.81 | 158.10 | 639.10 | 17.41 | 38.21 | PASS |
| 2113.00† | 2077.14 | -70.63 | 242.79 | 1954.44 | 1934.03 | -92.36 | -396.93 | 158.22 | 655.89 | 17.64 | 38.70 | PASS |
| 2213.00† | 2168.72 | -81.84 | 281.34 | 2036.37 | 2013.52 | -101.68 | -414.40 | 158.60 | 713.12 | 18.37 | 40.33 | PASS |
| 2313.00† | 2260.31 | -93.06 | 319.89 | 2118.29 | 2093.02 | -111.00 | -431.87 | 158.92 | 770.36 | 19.13 | 41.77 | PASS |
| 2413.00† | 2351.90 | -104.28 | 358.45 | 2200.22 | 2172.52 | -120.32 | -449.34 | 159.19 | 827.62 | 19.92 | 43.05 | PASS |
| 2513.00† | 2443.48 | -115.49 | 397.00 | 2282.15 | 2252.02 | -129.64 | -466.81 | 159.43 | 884.88 | 20.72 | 44.18 | PASS |
| 2613.00† | 2535.07 | -126.71 | 435.55 | 2364.07 | 2331.51 | -138.96 | -484.27 | 159.64 | 942.16 | 21.54 | 45.19 | PASS |
| 2713.00† | 2626.65 | -137.92 | 474.11 | 2446.00 | 2411.01 | -148.28 | -501.74 | 159.83 | 999.44 | 22.38 | 46.09 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: ACKARD NORTH 2-35-1CDH PWB Offset Wellpath: ACKARD NORTH 2-35-1CDH PWP (REV-A.0)

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

HOLE & CASING SECTIONS - Offset Wellbore: ACKARD NORTH 2-35-1CDH PWB Offset Wellpath: ACKARD NORTH 2-35-1CDH PWP (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] |
|------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface | 13.00 | 1800.00 | 1787.00 | 13.00 | 1784.16 | -0.37 | -137.14 | -22.98 | -179.52 |
| 8.5in Open Hole | 1800.00 | 18089.51 | 16289.51 | 1784.16 | 7855.00 | -22.98 | -179.52 | 2915.40 | -594.33 |

SURVEY PROGRAM - Offset Wellbore: ACKARD NORTH 2-35-1CDH PWB Offset Wellpath: ACKARD NORTH 2-35-1CDH PWP (REV-A.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------------|
| 13.00 | 18089.51 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | ACKARD NORTH 2-35-1CDH PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ACKARD NORTH 2-35-1CDH PWB Offset Wellpath: ACKARD NORTH 2-35-1CDH PWP (REV-A.0)

| | |
|---------------------------------|---|
| MD Reference: RIG (13'KB) (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 13.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: MARTIN #1 AWB Offset Wellpath: MARTIN #1 AWP

| Facility: SEC.02-T02S-R66W Slot: SLOT#01 EX MARTIN #1 (600'FNL & 2040'FWL, SEC.02,8400, SI) Well: MARTIN #1 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio |
| 13.00 | 13.00 | 0.00 | 0.00 | 27.00 | 13.00 | 4041.87 | -112.13 | -1.59 | 4043.43 | 50.64 | 81.12 |
| PASS | | | | | | | | | | | |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: MARTIN #1 AWB Offset Wellpath: MARTIN #1 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: MARTIN #1 AWB Offset Wellpath: MARTIN #1 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|---------------|
| 0.00 | 8400.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8400> | MARTIN #1 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: MARTIN #1 AWB Offset Wellpath: MARTIN #1 AWP

| | |
|--|--|
| MD Reference: Rig on SLOT#01 EX MARTIN #1 (600'FNL & 2040'FWL, SEC.02,8400, SI) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



Clearance Report

ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: LEECH #14-26 AWB Offset Wellpath: LEECH #14-26 AWP

| Facility: SEC.26-T01S-R66W Slot: SLOT#04 EX LEECH #14-26 (663'FSL & 673'FWL, SEC.26,8313, PR) Well: LEECH #14-26 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 79.00 | 10587.22 | -1519.65 | -8.17 | 10695.93 | 25.40 | 434.74 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LEECH #14-26 AWB Offset Wellpath: LEECH #14-26 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: LEECH #14-26 AWB Offset Wellpath: LEECH #14-26 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|------------------|
| 0.00 | 8313.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8313> | LEECH #14-26 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: LEECH #14-26 AWB Offset Wellpath: LEECH #14-26 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT\$04 EX LEECH #14-26 (663'FSL & 673'FWL, SEC.26,8313, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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ACKARD NORTH 2-35-4CDH PWP (REV. A.0)
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CHAMPLIN 117 AMOCO G#5 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#5 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#02 EX CHAMPLIN 117 AMOCO G #5 (1980'FNL & 660'FWL, SEC.35,8340,PR) Well: CHAMPLIN 117 AMOCO G#5 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 47.00 | 7903.02 | -1528.92 | -10.95 | 8049.63 | 25.40 | 327.17 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CHAMPLIN 117 AMOCO G#5 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#5 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CHAMPLIN 117 AMOCO G#5 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#5 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|----------------------------|
| 0.00 | 8340.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8340> | CHAMPLIN 117 AMOCO G#5 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CHAMPLIN 117 AMOCO G#5 AWB Offset Wellpath: CHAMPLIN 117 AMOCO G#5 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#01 EX CHAMPLIN 117 AMOCO G #5 (1980'FNL & 660'FWL, SEC.35,8340,PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: OTTER#1 AWB Offset Wellpath: OTTER#1 AWP

| Facility: SEC.02-T02S-R66W Slot: SLOT#17 EX OTTER#1 (1980'FSL & 1980'FWL, SEC.02, PR, 8390) Well: OTTER#1 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 9.00 | 13.00 | 1348.85 | -130.73 | -5.54 | 1355.17 | 50.22 | 27.41 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: OTTER#1 AWB Offset Wellpath: OTTER#1 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: OTTER#1 AWB Offset Wellpath: OTTER#1 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------------|-------------|
| 0.00 | 8390.00 | Drift Indicator - Inclination Only (Actual Survey) | ASUMED VERTICAL <8390> | OTTER#1 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: OTTER#1 AWB Offset Wellpath: OTTER#1 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#17 EX OTTER#1 (1980'FSL & 1980'FWL, SEC.02, PR, 8390) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: CHAMPLIN 117 G#4 AWB Offset Wellpath: CHAMPLIN 117 G#4 AWP

| Facility: SEC.35-T01S-R66W Slot: SLOT#04 EX CHAMPLIN 117 G#4 (660'FSL & 660'FWL, SEC.35,8350, PR) Well: CHAMPLIN 117 G#4 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 40.00 | 5296.23 | -1474.33 | -15.56 | 5497.68 | 25.40 | 223.44 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CHAMPLIN 117 G#4 AWB Offset Wellpath: CHAMPLIN 117 G#4 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: CHAMPLIN 117 G#4 AWB Offset Wellpath: CHAMPLIN 117 G#4 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|----------------------|
| 0.00 | 8350.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8350> | CHAMPLIN 117 G#4 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: CHAMPLIN 117 G#4 AWB Offset Wellpath: CHAMPLIN 117 G#4 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#04 EX CHAMPLIN 117 G#4 (660'FSL & 660'FWL, SEC.35,8350, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR ACKARD #5-2 AWB Offset Wellpath: HSR ACKARD #5-2 AWP

| Facility: SEC.02-T02S-R66W Slot: SLOT#02 EX HSR ACKARD #5-2 (1980'FNL & 656'FWL, SEC.02,8400, PR) Well: HSR ACKARD #5-2 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|-----------------|-------------------|------------------|-------------------|--------------------|----------------------|---------------------|----------------------------|---------------------------|---------------------|--------------|---------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | 4.00 | 13.00 | 2689.26 | -1484.82 | -28.90 | 3071.94 | 50.10 | 62.30 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HSR ACKARD #5-2 AWB Offset Wellpath: HSR ACKARD #5-2 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: HSR ACKARD #5-2 AWB Offset Wellpath: HSR ACKARD #5-2 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|-------------------------|---------------------|
| 0.00 | 8400.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8400> | HSR ACKARD #5-2 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HSR ACKARD #5-2 AWB Offset Wellpath: HSR ACKARD #5-2 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#02 EX HSE ACKARD #5-2 (1980'FNL & 656'FWL, SEC.02,8400, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR-VAN SCHAACK #4-11 AWB Offset Wellpath: HSR-VAN SCHAACK #4-11 AWP

| Facility: SEC.11-T02S-R66W Slot: SLOT#01 EX HSR-VAN SCHAACK #4-11 (623'FNL & 696'FWL, SEC.11, 8374, PR) Well: HSR-VAN SCHAACK #4-11 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 47.00 | -1207.39 | -1461.13 | -129.57 | 1895.74 | 25.40 | 77.03 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HSR-VAN SCHAACK #4-11 AWB Offset Wellpath: HSR-VAN SCHAACK #4-11 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: HSR-VAN SCHAACK #4-11 AWB Offset Wellpath: HSR-VAN SCHAACK #4-11 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|---------------------------|
| 0.00 | 8374.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8374> | HSR-VAN SCHAACK #4-11 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HSR-VAN SCHAACK #4-11 AWB Offset Wellpath: HSR-VAN SCHAACK #4-11 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX HSR-VAN SCHAACK #4-11 (623'FNL & 696'FWL, SEC.11, 8374, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR LAWSON #8-3 AWB Offset Wellpath: HSR LAWSON #8-3 AWP

| Facility: SEC.03-T02S-R66W Slot: SLOT#01 EX HSR LAWSON #8-3 (2080'FNL & 660'FEL, SEC.03,8598, PR) Well: HSR LAWSON #8-3 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|--|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 40.00 | 2427.10 | -2808.19 | -49.16 | 3711.81 | 25.40 | 150.85 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HSR LAWSON #8-3 AWB Offset Wellpath: HSR LAWSON #8-3 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: HSR LAWSON #8-3 AWB Offset Wellpath: HSR LAWSON #8-3 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|---------------------|
| 0.00 | 8598.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8598> | HSR LAWSON #8-3 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HSR LAWSON #8-3 AWB Offset Wellpath: HSR LAWSON #8-3 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX HSE LAWSON #8-3 (2080'FNL & 660'FEL, SEC.03,8598, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |



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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|----------------------------------|----------|---|
| Operator | PETROSHARE | Slot | SLOT#16 ACKARD NORTH 2-35-4CDH (600'FSL & 2160'FWL, SEC.02) |
| Area | COLORADO | Well | ACKARD NORTH 2-35-4CDH |
| Field | ADAMS COUNTY (NAD83/ GRID NORTH) | Wellbore | ACKARD NORTH 2-35-4CDH PWB |
| Facility | SEC.02-T03S-R66W | | |

CLEARANCE DATA - Offset Wellbore: HSR-TR RANCH #16-3 AWB Offset Wellpath: HSR-TR RANCH #16-3 AWP

| Facility: SEC.03-T02S-R66W Slot: SLOT#02 EX HSR-TR RANCH #16-3 (660'FSL & 660'FEL, SEC.03,8362, PR) Well: HSR-TR RANCH #16-3 Threshold Value=1.00 † = interpolated/extrapolated station | | | | | | | | | | | | |
|---|--------------|----------------|---------------|----------------|-----------------|-------------------|------------------|-------------------------|---------------------|---------------|-----------|------------|
| Ref MD [ft] | Ref TVD [ft] | Ref North [ft] | Ref East [ft] | Offset MD [ft] | Offset TVD [ft] | Offset North [ft] | Offset East [ft] | Angle from Highside [°] | C-C Clear Dist [ft] | ACR MASD [ft] | Sep Ratio | ACR Status |
| 13.00 | 13.00 | 0.00 | 0.00 | -13.00 | 53.00 | 56.17 | -2821.66 | -88.86 | 2822.50 | 25.40 | 114.70 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HSR-TR RANCH #16-3 AWB Offset Wellpath: HSR-TR RANCH #16-3 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| Slot Surface Uncertainty @1SD | Horizontal | 0.100ft | Vertical | 1.000ft |
| Facility Surface Uncertainty @1SD | Horizontal | 8.200ft | Vertical | 3.000ft |

WELLPATH COMPOSITION - Offset Wellbore: HSR-TR RANCH #16-3 AWB Offset Wellpath: HSR-TR RANCH #16-3 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|-------------------------|------------------------|
| 0.00 | 8362.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL <8362> | HSR-TR RANCH #16-3 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HSR-TR RANCH #16-3 AWB Offset Wellpath: HSR-TR RANCH #16-3 AWP

| | |
|--|--|
| MD Reference: Rig on SLOT#02 EX HSR-TR RANCH #16-3 (660'FSL & 660'FEL, SEC.03,8362, PR) (RT) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 0.00ft |