

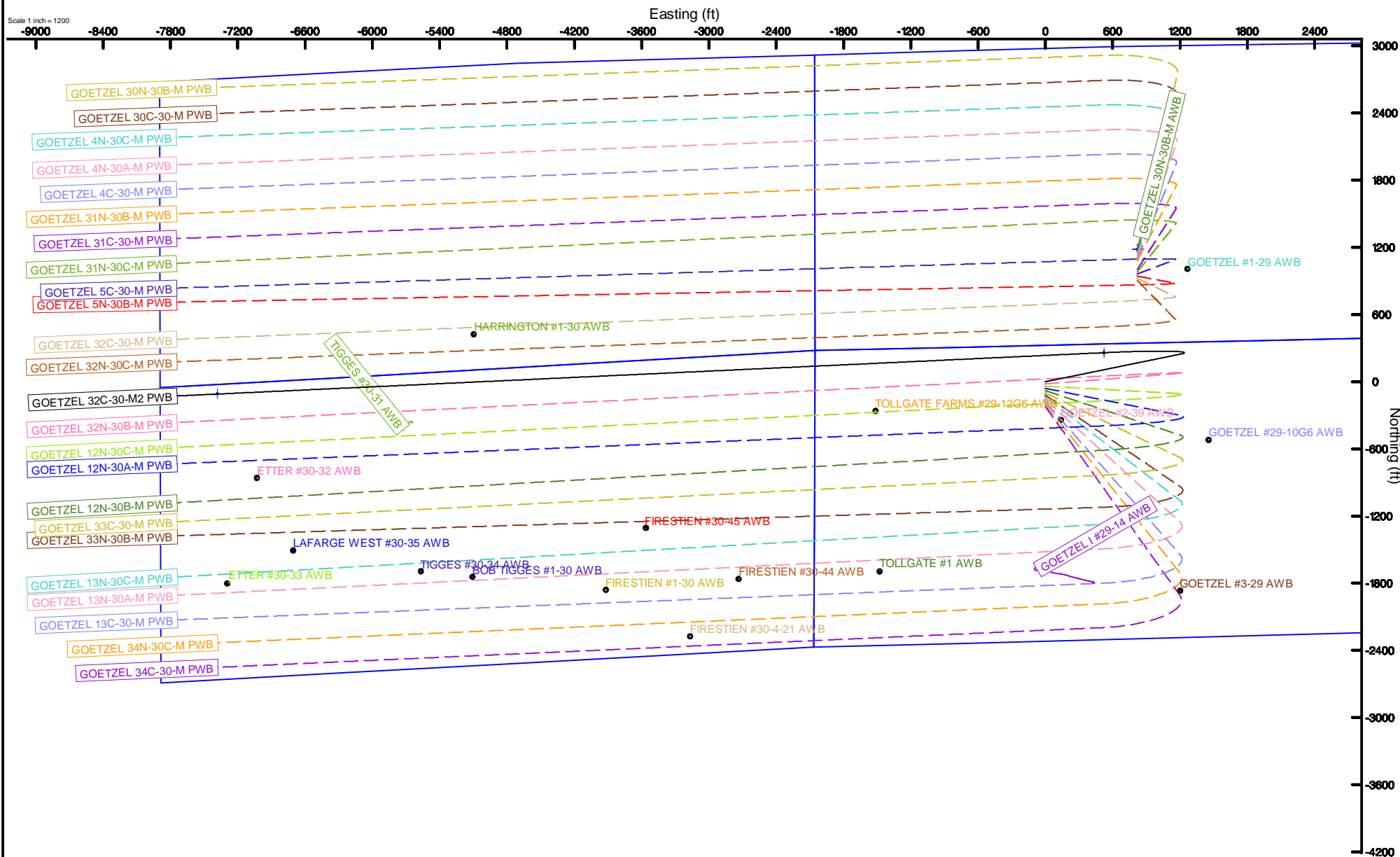
SYNERGY RESOURCES CORPORATION

Location: COLORADO Slot: SLOT#13 GOETZEL 32C-30-M2 (2317FSL & 2053FWL SEC.29)
Field: WELD COUNTY (NAD83, TRUE NORTH) Well: GOETZEL 32C-30-M2
Facility: SEC.29-T06N-R66W Wellbore: GOETZEL 32C-30-M2 PWB



BGGM (1900.0 to 2018.0) Dip: 66.92° Field: 52499.6 nT
Magnetic North is 8.43 degrees East of True North (at 2/22/2017)

To correct azimuth from Magnetic to True add 8.43 degrees





Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 1 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|----------------------|--|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 5.0 |
| North Reference | True | User | Wagnjam |
| Scale | 0.999963 | Report Generated | 2/27/2017 at 5:35:20 PM |
| Convergence at slot | 0.45° East | Database/Source file | WA_DEN_Denver_Defn/GOETZEL_33C-30-M_REV-A.0_PWP_CR.xml |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -1282.38 | -822.02 | 3193637.79 | 1410383.24 | 40°27'28.145"N | 104°48'14.893"W |
| Facility Reference Pt | | | 3194449.65 | 1411672.01 | 40°27'40.817"N | 104°48'04.259"W |
| Field Reference Pt | | | 3171284.48 | 1426358.81 | 40°30'07.643"N | 104°53'02.634"W |

WELLPATH DATUM

| | | | |
|--------------------------|---------------------------|--|-----------|
| Calculation method | Minimum Curvature | PERCISION 562 (25') (RKB) to Facility Vertical Datum | 4757.00ft |
| Horizontal Reference Pt | Slot | PERCISION 562 (25') (RKB) to Mean Sea Level | 4757.00ft |
| Vertical Reference Pt | PERCISION 562 (25') (RKB) | PERCISION 562 (25') (RKB) to Mud Line at Slot (SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29)) | 4757.00ft |
| MD Reference Pt | PERCISION 562 (25') (RKB) | | |
| Field Vertical Reference | Mean Sea Level | | |

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

| | | | | | |
|-----------------------------------|------------------|------------------|---------|------------------------------|----------|
| Ellipse Confidence Limit | 3.00 Std Dev | Ellipse Start MD | 25.00ft | Surface Position Uncertainty | Included |
| Declination | 8.43° East of TN | Dip Angle | 66.92° | Mag Field Strength | 52500 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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 2 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-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: GOETZEL 33C-30-M PWB Ref Wellpath: GOETZEL 33C-30-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1696.63 | 0.00 | 0.00 | -22.84 | 47.42 |
| 8.5in Open Hole | 1700.00 | 15961.00 | 14261.00 | 1696.63 | 7097.00 | -22.84 | 47.42 | -1150.02 | -7737.51 |

SURVEY PROGRAM - Ref Wellbore: GOETZEL 33C-30-M PWB Ref Wellpath: GOETZEL 33C-30-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 33C-30-M PWB |
| 1700.00 | 15961.54 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 33C-30-M PWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CALCULATION RANGE & CUTOFF

| | | |
|------------------|-------------------|------------------------|
| From: 25.00ft MD | To: 15961.54ft MD | C-C Cutoff: 1000.00 ft |
|------------------|-------------------|------------------------|

OFFSET WELL CLEARANCE SUMMARY (42 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 from Dvrg [ft] | ACR Status |
| SEC.29-T06N-R66W | SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) | GOETZEL 12N-30B-M | GOETZEL 12N-30B-M PWB | GOETZEL 12N-30B-M REV-A.0 PWP | 25.00 | 20.04 | 15956.21 | 15956.21 | 0.36 | 15956.21 | FAIL |
| SEC.29-T06N-R66W | SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) | GOETZEL 33N-30B-M | GOETZEL 33N-30B-M PWB | GOETZEL 33N-30B-M REV-A.0 PWP | 25.00 | 20.04 | 15961.54 | 15961.00 | 0.42 | 15961.00 | FAIL |
| SEC.30-T06N-R66W | SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) | LAFARGE WEST #30-35 | LAFARGE WEST #30-35 AWB | LAFARGE WEST #30-35 AWP | 14943.31 | 309.81 | 14943.31 | 14946.55 | 0.56 | 14946.55 | FAIL |
| SEC.30-T06N-R66W | SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) | ETTER #30-32 | ETTER #30-32 AWB | ETTER #30-32 AWP | 15229.12 | 352.90 | 15229.12 | 15236.64 | 0.62 | 15236.64 | FAIL |
| SEC.29-T06N-R66W | SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) | GOETZEL 13N-30C-M | GOETZEL 13N-30C-M PWB | GOETZEL 13N-30C-M REV-A.0 PWP | 25.00 | 40.08 | 825.00 | 15961.00 | 0.63 | 15961.00 | FAIL |
| SEC.30-T06N-R66W | SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) | FIRESTIEN #30-45 | FIRESTIEN #30-45 AWB | FIRESTIEN #30-45 AWP | 11800.32 | 271.58 | 11800.32 | 11804.29 | 0.65 | 11804.29 | FAIL |
| SEC.29-T06N-R66W | SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) | GOETZEL 12N-30A-M | GOETZEL 12N-30A-M PWB | GOETZEL 12N-30A-M REV-A.0 PWP | 25.00 | 40.08 | 1150.00 | 15950.68 | 0.78 | 15950.68 | FAIL |
| SEC.29-T06N-R66W | SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') | GOETZEL #29-10G6 | GOETZEL #29-10G6 AWB | GOETZEL #29-10G6 AWP | 6507.52 | 294.00 | 6507.52 | 6544.39 | 0.78 | 6544.39 | FAIL |
| SEC.29-T06N-R66W | SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) | GOETZEL 12N-30C-M | GOETZEL 12N-30C-M PWB | GOETZEL 12N-30C-M REV-A.0 PWP | 25.00 | 59.71 | 15925.00 | 15944.16 | 0.81 | 15944.16 | FAIL |
| SEC.29-T06N-R66W | SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) | GOETZEL 13N-30A-M | GOETZEL 13N-30A-M PWB | GOETZEL 13N-30A-M REV-A.0 PWP | 25.00 | 60.11 | 15961.54 | 15961.00 | 0.95 | 15961.00 | FAIL |
| SEC.30-T06N-R66W | SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) | ETTER #30-33 | ETTER #30-33 AWB | ETTER #30-33 AWP | 15532.08 | 565.24 | 15532.08 | 15545.74 | 0.97 | 15545.74 | FAIL |
| SEC.29-T06N-R66W | SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) | GOETZEL #2-39 | GOETZEL #2-39 AWB | GOETZEL #2-39 AWP | 2379.10 | 156.78 | 8025.00 | 2488.27 | 1.02 | 8025.00 | PASS |
| SEC.29-T06N-R66W | SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) | GOETZEL 13C-30-M | GOETZEL 13C-30-M PWB | GOETZEL 13C-30-M REV-A.0 PWP | 25.00 | 80.15 | 15961.54 | 15961.00 | 1.06 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) | GOETZEL 32N-30B-M | GOETZEL 32N-30B-M PWB | GOETZEL 32N-30B-M REV-A.0 PWP | 25.00 | 79.75 | 1150.00 | 15943.71 | 1.08 | 15943.71 | PASS |
| SEC.30-T06N-R66W | SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) | TIGGES #30-34 | TIGGES #30-34 AWB | TIGGES #30-34 AWP | 13819.01 | 554.17 | 13819.01 | 13833.18 | 1.09 | 13833.18 | PASS |
| SEC.29-T06N-R66W | SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) | TOLLGATE FARMS #29-12G6 | TOLLGATE FARMS #29-12G6 AWB | TOLLGATE FARMS #29-12G6 AWP | 9697.50 | 673.79 | 9697.50 | 9725.00 | 1.33 | 9725.00 | PASS |
| SEC.29-T06N-R66W | SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29) | GOETZEL 32C-30-M2 | GOETZEL 32C-30-M2 PWB | GOETZEL 32C-30-M2 REV-A.0 PWP | 25.00 | 99.79 | 1150.00 | 15945.15 | 1.35 | 15945.15 | PASS |
| SEC.29-T06N-R66W | SLOT#23 GOETZEL 34N-30C-M (2117'FSL & 2053'FWL, SEC.29) | GOETZEL 34N-30C-M | GOETZEL 34N-30C-M PWB | GOETZEL 34N-30C-M REV-A.0 PWP | 25.00 | 100.19 | 15625.00 | 15680.61 | 1.40 | 15680.61 | PASS |
| SEC.29-T06N-R66W | SLOT#24 GOETZEL 34C-30-M (2097'FSL & 2053'FWL, SEC.29) | GOETZEL 34C-30-M | GOETZEL 34C-30-M PWB | GOETZEL 34C-30-M REV-A.0 PWP | 25.00 | 120.23 | 15625.00 | 15703.77 | 1.65 | 15703.77 | PASS |
| SEC.29-T06N-R66W | SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29) | GOETZEL 32N-30C-M | GOETZEL 32N-30C-M PWB | GOETZEL 32N-30C-M PWP (REV-C.0) | 4267.50 | 1177.47 | 4267.50 | 15956.47 | 1.74 | 15956.47 | PASS |
| SEC.29-T06N-R66W | SLOT#11 GOETZEL 32C-30-M (2073'FNL & 2446'FEL, SEC.29) | GOETZEL 32C-30-M | GOETZEL 32C-30-M PWB | GOETZEL 32C-30-M PWP (REV-C.0) | 3100.00 | 1276.81 | 3100.00 | 15961.00 | 1.99 | 15961.00 | PASS |
| SEC.30-T06N-R66W | SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) | FIRESTIEN #30-44 | FIRESTIEN #30-44 AWB | FIRESTIEN #30-44 AWP | 10989.35 | 759.73 | 10989.35 | 11025.00 | 2.00 | 11025.00 | PASS |
| SEC.30-T06N-R66W | SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') | TIGGES #30-31 | TIGGES #30-31 AWB | TIGGES #30-31 AWP | 13910.94 | 716.53 | 13910.94 | 13948.08 | 2.01 | 13948.08 | PASS |
| | SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) | TOLLGATE #1 | TOLLGATE #1 AWB | TOLLGATE #1 AWP | 9731.29 | 750.58 | 9731.29 | 9777.79 | 2.31 | 9777.79 | PASS |

| OFFSET WELL CLEARANCE SUMMARY (42 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.29-T06N-R66W | | | | | | | | | | | |
| SEC.29-T06N-R66W | SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29) | GOETZEL 5N-30B-M | GOETZEL 5N-30B-M PWB | GOETZEL 5N-30B-M PWP (REV-C.0) | 2525.00 | 1321.67 | 2525.00 | 15961.00 | 2.39 | 15961.00 | PASS |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CALCULATION RANGE & CUTOFF

| | | |
|------------------|-------------------|------------------------|
| From: 25.00ft MD | To: 15961.54ft MD | C-C Cutoff: 1000.00 ft |
|------------------|-------------------|------------------------|

OFFSET WELL CLEARANCE SUMMARY (42 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.29-T06N-R66W | SLOT#09 GOETZEL 5C-30-M (2033'FNL & 2446'FEL, SEC.29) | GOETZEL 5C-30-M | GOETZEL 5C-30-M PWB | GOETZEL 5C-30-M PWP (REV-C.0) | 1196.88 | 1342.30 | 1196.88 | 15961.00 | 2.55 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29) | GOETZEL 31N-30C-M | GOETZEL 31N-30C-M PWB | GOETZEL 31N-30C-M PWP (REV-C.0) | 25.00 | 1358.43 | 1025.00 | 15961.00 | 2.81 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#01 EX:GOETZEL #3-29 (425'FSL & 2065'FEL SEC.29,PR) | GOETZEL #3-29 | GOETZEL #3-29 AWB | GOETZEL #3-29 AWP | 7157.50 | 1101.77 | 7157.50 | 7292.01 | 3.07 | 7292.01 | PASS |
| SEC.29-T06N-R66W | SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29) | GOETZEL 31C-30-M | GOETZEL 31C-30-M PWB | GOETZEL 31C-30-M PWP (REV-C.0) | 25.00 | 1374.45 | 925.00 | 15961.00 | 3.09 | 15961.00 | PASS |
| SEC.30-T06N-R66W | SLOT#07 EX FIRESTIEN #30-4-21 (155'FSL & 1098'FEL SEC.30, 7194'MD) | FIRESTIEN #30-4-21 | FIRESTIEN #30-4-21 AWB | FIRESTIEN #30-4-21 AWP | 11445.97 | 1252.48 | 11445.97 | 11554.80 | 3.12 | 11554.80 | PASS |
| SEC.29-T06N-R66W | SLOT#06 GOETZEL 31N-30B-M (1913'FNL & 2446'FEL, SEC.29) | GOETZEL 31N-30B-M | GOETZEL 31N-30B-M PWB | GOETZEL 31N-30B-M PWP (REV-C.0) | 25.00 | 1439.83 | 825.00 | 15961.00 | 3.35 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#05 GOETZEL 4C-30-M (1893'FNL & 2446'FEL, SEC.29) | GOETZEL 4C-30-M | GOETZEL 4C-30-M PWB | GOETZEL 4C-30-M PWP (REV-C.0) | 25.00 | 1456.08 | 725.00 | 15961.00 | 3.62 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#04 GOETZEL 4N-30A-M (1873'FNL & 2446'FEL, SEC.29) | GOETZEL 4N-30A-M | GOETZEL 4N-30A-M PWB | GOETZEL 4N-30A-M PWP (REV-C.0) | 25.00 | 1472.84 | 625.00 | 15961.00 | 3.90 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#03 GOETZEL 4N-30C-M (1853'FNL & 2445'FEL, SEC.29) | GOETZEL 4N-30C-M | GOETZEL 4N-30C-M PWB | GOETZEL 4N-30C-M PWP (REV-C.0) | 25.00 | 1489.51 | 525.00 | 15961.00 | 4.18 | 15961.00 | PASS |
| SEC.29-T06N-R66W | SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) | GOETZEL #1-29 | GOETZEL #1-29 AWB | GOETZEL #1-29 AWP | 3960.00 | 1547.53 | 3960.00 | 7148.23 | 4.42 | 7148.23 | PASS |
| SEC.29-T06N-R66W | SLOT#02 GOETZEL 30C-30-M (1833'FNL & 2445'FEL, SEC.29) | GOETZEL 30C-30-M | GOETZEL 30C-30-M PWB | GOETZEL 30C-30-M PWP (REV-C.0) | 25.00 | 1506.39 | 425.00 | 15825.00 | 4.59 | 15825.00 | PASS |
| SEC.29-T06N-R66W | SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) | GOETZEL 30N-30B-M | GOETZEL 30N-30B-M PWB | GOETZEL 30N-30B-M PWP (REV-C.0) | 25.00 | 1523.22 | 325.00 | 15885.54 | 4.87 | 15885.54 | PASS |
| SEC.29-T06N-R66W | SLOT#11 GOETZEL I #29-14 (515'FSL & 2490'FWL SEC.29, 7260'MD) | GOETZEL I #29-14 | GOETZEL I #29-14 AWB | GOETZEL I #29-14 AWP | 8326.60 | 816.58 | 8326.60 | 8437.47 | 6.45 | 8437.47 | PASS |
| SEC.30-T06N-R66W | SLOT#01 EX HARRINGTON #1-30 (2310'FNL & 2805'FWL, SEC.30, SI, 4398) | HARRINGTON #1-30 | HARRINGTON #1-30 AWB | HARRINGTON #1-30 AWP | 13237.50 | 2801.78 | 13237.50 | 14125.00 | 8.87 | 14125.00 | PASS |
| SEC.30-T06N-R66W | SLOT#01 EX FIRESTIEN #1-30 (610'FSL & 1820'FEL SEC.30, 4500'MD) | FIRESTIEN #1-30 | FIRESTIEN #1-30 AWB | FIRESTIEN #1-30 AWP | 12177.50 | 2694.15 | 12177.50 | 13499.19 | 16.86 | 13499.19 | PASS |
| SEC.30-T06N-R66W | SLOT#03 EX BOB TIGGES #1-30 (800'FSL & 2745'FWL SEC.30, 4350'MD) | BOB TIGGES #1-30 | BOB TIGGES #1-30 AWB | BOB TIGGES #1-30 AWP | 13362.50 | 2788.25 | 13362.50 | 14725.00 | 17.52 | 14725.00 | PASS |
| SEC.29-T06N-R66W | SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) | GOETZEL 30N-30B-M | GOETZEL 30N-30B-M AWB | GOETZEL 30N-30B-M AWP | 25.00 | 1523.22 | 25.00 | 12909.33 | 82.88 | 12909.33 | PASS |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | 20.04 | 0.00 | 0.00 | 20.04 | 1.72 | 31.52 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | 20.04 | 0.00 | 0.00 | 20.04 | 2.04 | 20.61 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | 20.04 | 0.00 | 0.00 | 20.04 | 2.61 | 12.75 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | 20.04 | 0.00 | 0.00 | 20.04 | 3.21 | 9.07 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | 20.04 | 0.00 | 0.00 | 20.04 | 3.82 | 7.00 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | 20.04 | 0.00 | 0.00 | 20.04 | 4.44 | 5.70 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | 20.04 | 0.00 | 0.00 | 20.04 | 5.07 | 4.80 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | 20.04 | 0.00 | 0.00 | 20.04 | 5.69 | 4.14 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | 20.04 | 0.00 | 0.00 | 20.04 | 6.32 | 3.64 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | 20.04 | 0.00 | 0.00 | 20.04 | 6.94 | 3.25 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1025.00 | 1025.00 | 20.04 | 0.00 | 0.00 | 20.04 | 7.57 | 2.94 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1125.00 | 1125.00 | 20.04 | 0.00 | 0.00 | 20.04 | 8.19 | 2.68 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1150.00 | 1150.00 | 20.04 | 0.00 | 0.00 | 20.04 | 8.35 | 2.62 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1224.99 | 1224.99 | 20.04 | 0.00 | -118.18 | 20.48 | 8.83 | 2.51 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1324.99 | 1324.99 | 20.00 | 0.10 | -127.59 | 22.81 | 9.55 | 2.58 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1425.35 | 1425.31 | 19.18 | 2.60 | -136.13 | 26.58 | 10.42 | 2.74 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1525.88 | 1525.64 | 17.24 | 8.45 | -141.79 | 31.08 | 11.44 | 2.90 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1626.59 | 1625.88 | 14.20 | 17.65 | -145.40 | 36.06 | 12.47 | 3.08 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1727.47 | 1725.88 | 10.04 | 30.22 | -147.58 | 41.39 | 12.77 | 3.37 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1828.51 | 1825.52 | 4.77 | 46.15 | -148.77 | 46.99 | 13.24 | 3.69 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1929.73 | 1924.67 | -1.61 | 65.45 | -149.28 | 52.83 | 13.79 | 3.98 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1953.91 | 1948.24 | -3.30 | 70.55 | -149.32 | 54.26 | 13.89 | 4.06 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2031.14 | 2023.23 | -9.10 | 88.10 | -148.81 | 58.01 | 14.27 | 4.23 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2132.40 | 2120.75 | -17.65 | 113.95 | -146.40 | 60.61 | 14.73 | 4.27 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2232.33 | 2216.68 | -26.45 | 140.54 | -143.49 | 62.45 | 15.24 | 4.25 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2332.27 | 2312.61 | -35.24 | 167.13 | -140.75 | 64.44 | 15.88 | 4.20 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2432.20 | 2408.54 | -44.04 | 193.71 | -138.19 | 66.56 | 16.65 | 4.13 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2532.14 | 2504.47 | -52.83 | 220.30 | -135.78 | 68.82 | 17.54 | 4.05 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2632.07 | 2600.40 | -61.62 | 246.89 | -133.53 | 71.18 | 18.52 | 3.96 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2732.00 | 2696.33 | -70.42 | 273.48 | -131.43 | 73.65 | 19.60 | 3.86 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 6 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2831.94 | 2792.26 | -79.21 | 300.06 | -129.47 | 76.21 | 20.76 | 3.77 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2931.87 | 2888.19 | -88.01 | 326.65 | -127.64 | 78.86 | 21.97 | 3.68 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3031.81 | 2984.13 | -96.80 | 353.24 | -125.92 | 81.58 | 23.24 | 3.59 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3131.74 | 3080.06 | -105.60 | 379.83 | -124.32 | 84.37 | 24.55 | 3.51 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3231.68 | 3175.99 | -114.39 | 406.41 | -122.83 | 87.22 | 25.90 | 3.43 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3331.61 | 3271.92 | -123.18 | 433.00 | -121.43 | 90.13 | 27.28 | 3.37 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3431.54 | 3367.85 | -131.98 | 459.59 | -120.11 | 93.08 | 28.68 | 3.30 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3531.48 | 3463.78 | -140.77 | 486.18 | -118.88 | 96.09 | 30.11 | 3.24 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3631.41 | 3559.71 | -149.57 | 512.76 | -117.72 | 99.13 | 31.55 | 3.19 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3731.35 | 3655.64 | -158.36 | 539.35 | -116.64 | 102.21 | 33.01 | 3.14 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3831.28 | 3751.57 | -167.15 | 565.94 | -115.61 | 105.33 | 34.49 | 3.10 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3931.21 | 3847.50 | -175.95 | 592.53 | -114.65 | 108.48 | 35.97 | 3.06 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4031.15 | 3943.43 | -184.74 | 619.11 | -113.74 | 111.65 | 37.46 | 3.02 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4131.08 | 4039.36 | -193.54 | 645.70 | -112.88 | 114.86 | 38.96 | 2.98 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4231.02 | 4135.29 | -202.33 | 672.29 | -112.07 | 118.09 | 40.47 | 2.95 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4330.95 | 4231.22 | -211.12 | 698.87 | -111.30 | 121.34 | 41.98 | 2.92 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4430.89 | 4327.15 | -219.92 | 725.46 | -110.57 | 124.61 | 43.50 | 2.90 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4530.82 | 4423.08 | -228.71 | 752.05 | -109.88 | 127.90 | 45.02 | 2.87 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4630.75 | 4519.01 | -237.51 | 778.64 | -109.22 | 131.21 | 46.54 | 2.85 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4730.69 | 4614.94 | -246.30 | 805.22 | -108.60 | 134.53 | 48.07 | 2.83 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4830.62 | 4710.87 | -255.10 | 831.81 | -108.00 | 137.87 | 49.60 | 2.81 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4930.56 | 4806.80 | -263.89 | 858.40 | -107.44 | 141.23 | 51.13 | 2.79 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 5030.49 | 4902.73 | -272.68 | 884.99 | -106.90 | 144.59 | 52.67 | 2.77 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5130.43 | 4998.66 | -281.48 | 911.57 | -106.38 | 147.97 | 54.20 | 2.75 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5230.36 | 5094.59 | -290.27 | 938.16 | -105.89 | 151.36 | 55.74 | 2.74 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5330.29 | 5190.52 | -299.07 | 964.75 | -105.42 | 154.77 | 57.28 | 2.72 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5430.23 | 5286.45 | -307.86 | 991.34 | -104.97 | 158.18 | 58.82 | 2.71 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5530.16 | 5382.38 | -316.65 | 1017.92 | -104.54 | 161.60 | 60.36 | 2.70 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5630.10 | 5478.31 | -325.45 | 1044.51 | -104.13 | 165.03 | 61.90 | 2.69 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5730.03 | 5574.24 | -334.24 | 1071.10 | -103.73 | 168.47 | 63.45 | 2.67 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 7 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5829.97 | 5670.17 | -343.04 | 1097.68 | -103.35 | 171.91 | 64.99 | 2.66 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5929.90 | 5766.11 | -351.83 | 1124.27 | -102.98 | 175.36 | 66.53 | 2.65 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 6029.83 | 5862.04 | -360.63 | 1150.86 | -102.63 | 178.82 | 68.08 | 2.64 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6129.77 | 5957.97 | -369.42 | 1177.45 | -102.29 | 182.29 | 69.62 | 2.63 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6230.55 | 6054.73 | -378.29 | 1204.18 | -101.99 | 185.74 | 71.17 | 2.63 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6338.22 | 6160.09 | -388.52 | 1223.34 | -104.49 | 186.65 | 72.32 | 2.60 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6414.34 | 6235.66 | -396.42 | 1227.22 | -109.15 | 185.56 | 72.66 | 2.57 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6441.54 | 6262.69 | -399.35 | 1226.65 | -115.42 | 185.23 | 72.70 | 2.56 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6540.47 | 6360.33 | -410.45 | 1215.90 | -153.38 | 186.16 | 72.62 | 2.58 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6636.13 | 6452.39 | -421.65 | 1192.76 | 145.25 | 190.30 | 72.66 | 2.64 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6728.89 | 6537.90 | -432.77 | 1158.73 | 109.35 | 197.17 | 72.76 | 2.73 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6819.14 | 6616.15 | -443.64 | 1115.23 | 91.91 | 206.03 | 73.00 | 2.84 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6907.21 | 6686.61 | -454.14 | 1063.55 | 81.16 | 216.10 | 73.35 | 2.97 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6993.42 | 6748.92 | -464.16 | 1004.88 | 73.61 | 226.61 | 73.98 | 3.08 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7078.06 | 6802.78 | -473.60 | 940.35 | 67.98 | 236.92 | 75.06 | 3.18 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7161.39 | 6848.01 | -482.40 | 870.97 | 63.72 | 246.47 | 76.76 | 3.23 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7243.66 | 6884.46 | -490.47 | 797.71 | 60.49 | 254.82 | 79.17 | 3.24 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7325.09 | 6912.05 | -497.76 | 721.49 | 58.10 | 261.64 | 82.32 | 3.20 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7405.89 | 6930.72 | -504.21 | 643.19 | 56.44 | 266.67 | 86.13 | 3.11 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7486.26 | 6940.45 | -509.76 | 563.64 | 55.41 | 269.73 | 90.47 | 3.00 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7547.51 | 6942.00 | -513.40 | 502.54 | 55.05 | 270.59 | 93.84 | 2.90 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7574.56 | 6942.00 | -514.93 | 475.53 | 55.03 | 270.45 | 95.08 | 2.86 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7674.56 | 6942.00 | -520.60 | 375.69 | 54.95 | 269.92 | 99.84 | 2.72 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7774.55 | 6942.00 | -526.26 | 275.86 | 54.88 | 269.40 | 104.92 | 2.58 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7874.55 | 6942.00 | -531.93 | 176.02 | 54.80 | 268.87 | 110.29 | 2.45 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7974.55 | 6942.00 | -537.59 | 76.18 | 54.72 | 268.35 | 115.90 | 2.32 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8074.55 | 6942.00 | -543.26 | -23.66 | 54.64 | 267.83 | 121.71 | 2.21 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8174.55 | 6942.00 | -548.92 | -123.49 | 54.56 | 267.30 | 127.70 | 2.10 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8274.54 | 6942.00 | -554.59 | -223.33 | 54.48 | 266.78 | 133.83 | 2.00 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8374.54 | 6942.00 | -560.25 | -323.17 | 54.40 | 266.26 | 140.09 | 1.91 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 8 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8474.54 | 6942.00 | -565.92 | -423.00 | 54.32 | 265.74 | 146.45 | 1.82 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8574.54 | 6942.00 | -571.58 | -522.84 | 54.24 | 265.22 | 152.91 | 1.74 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8674.54 | 6942.00 | -577.25 | -622.68 | 54.16 | 264.70 | 159.44 | 1.66 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8774.53 | 6942.00 | -582.91 | -722.52 | 54.07 | 264.18 | 166.04 | 1.59 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8874.53 | 6942.00 | -588.58 | -822.35 | 53.99 | 263.66 | 172.70 | 1.53 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 8974.53 | 6942.00 | -594.24 | -922.19 | 53.91 | 263.14 | 179.41 | 1.47 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9074.53 | 6942.00 | -599.91 | -1022.03 | 53.83 | 262.62 | 186.16 | 1.41 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9174.53 | 6942.00 | -605.57 | -1121.87 | 53.75 | 262.10 | 192.94 | 1.36 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9274.52 | 6942.00 | -611.24 | -1221.70 | 53.66 | 261.59 | 199.75 | 1.31 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9374.52 | 6942.00 | -616.90 | -1321.54 | 53.58 | 261.07 | 206.59 | 1.26 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9474.52 | 6942.00 | -622.57 | -1421.38 | 53.50 | 260.55 | 213.45 | 1.22 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9574.52 | 6942.00 | -628.23 | -1521.22 | 53.41 | 260.04 | 220.32 | 1.18 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9674.52 | 6942.00 | -633.90 | -1621.05 | 53.33 | 259.52 | 227.22 | 1.14 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9774.51 | 6942.00 | -639.56 | -1720.89 | 53.24 | 259.01 | 234.12 | 1.11 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9874.51 | 6942.00 | -645.23 | -1820.73 | 53.16 | 258.49 | 241.03 | 1.07 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 9974.51 | 6942.00 | -650.89 | -1920.57 | 53.07 | 257.98 | 247.94 | 1.04 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10074.51 | 6942.00 | -656.56 | -2020.40 | 52.99 | 257.47 | 254.86 | 1.01 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10174.51 | 6942.00 | -662.22 | -2120.24 | 52.90 | 256.96 | 261.79 | 0.98 | FAIL |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10274.50 | 6942.00 | -667.89 | -2220.08 | 52.81 | 256.45 | 268.71 | 0.95 | FAIL |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10374.50 | 6942.00 | -673.55 | -2319.91 | 52.73 | 255.93 | 275.63 | 0.93 | FAIL |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10474.50 | 6942.00 | -679.22 | -2419.75 | 52.64 | 255.42 | 282.56 | 0.90 | FAIL |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10574.50 | 6942.00 | -684.88 | -2519.59 | 52.55 | 254.92 | 289.47 | 0.88 | FAIL |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10674.49 | 6942.00 | -690.55 | -2619.43 | 52.46 | 254.41 | 296.39 | 0.86 | FAIL |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10774.49 | 6942.00 | -696.21 | -2719.26 | 52.38 | 253.90 | 303.29 | 0.84 | FAIL |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10874.49 | 6942.00 | -701.88 | -2819.10 | 52.29 | 253.39 | 310.19 | 0.82 | FAIL |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 10974.49 | 6942.00 | -707.54 | -2918.94 | 52.20 | 252.88 | 317.09 | 0.80 | FAIL |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11074.49 | 6942.00 | -713.21 | -3018.78 | 52.11 | 252.38 | 323.97 | 0.78 | FAIL |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11174.48 | 6942.00 | -718.87 | -3118.61 | 52.02 | 251.87 | 330.85 | 0.76 | FAIL |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11274.48 | 6942.00 | -724.54 | -3218.45 | 51.93 | 251.36 | 337.72 | 0.74 | FAIL |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11374.48 | 6942.00 | -730.20 | -3318.29 | 51.84 | 250.86 | 344.57 | 0.73 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11474.48 | 6942.00 | -735.87 | -3418.13 | 51.75 | 250.36 | 351.42 | 0.71 | FAIL |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11574.48 | 6942.00 | -741.53 | -3517.96 | 51.66 | 249.85 | 358.25 | 0.70 | FAIL |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11674.47 | 6942.00 | -747.20 | -3617.80 | 51.57 | 249.35 | 365.07 | 0.68 | FAIL |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11774.47 | 6942.00 | -752.86 | -3717.64 | 51.47 | 248.85 | 371.88 | 0.67 | FAIL |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11874.47 | 6942.00 | -758.53 | -3817.47 | 51.38 | 248.35 | 378.67 | 0.66 | FAIL |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 11974.47 | 6942.00 | -764.19 | -3917.31 | 51.29 | 247.84 | 385.45 | 0.64 | FAIL |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12074.47 | 6942.00 | -769.86 | -4017.15 | 51.20 | 247.34 | 392.22 | 0.63 | FAIL |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12174.46 | 6942.00 | -775.52 | -4116.99 | 51.10 | 246.85 | 398.97 | 0.62 | FAIL |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12274.46 | 6942.00 | -781.19 | -4216.82 | 51.01 | 246.35 | 405.70 | 0.61 | FAIL |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12374.46 | 6942.00 | -786.85 | -4316.66 | 50.92 | 245.85 | 412.43 | 0.60 | FAIL |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12474.46 | 6942.00 | -792.52 | -4416.50 | 50.82 | 245.35 | 419.13 | 0.58 | FAIL |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12574.46 | 6942.00 | -798.18 | -4516.34 | 50.73 | 244.85 | 425.82 | 0.57 | FAIL |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12674.45 | 6942.00 | -803.85 | -4616.17 | 50.63 | 244.36 | 432.49 | 0.56 | FAIL |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12774.45 | 6942.00 | -809.51 | -4716.01 | 50.53 | 243.86 | 439.14 | 0.55 | FAIL |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12874.45 | 6942.00 | -815.18 | -4815.85 | 50.44 | 243.37 | 445.78 | 0.55 | FAIL |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 12974.45 | 6942.00 | -820.84 | -4915.69 | 50.34 | 242.87 | 452.40 | 0.54 | FAIL |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13074.45 | 6942.00 | -826.51 | -5015.52 | 50.25 | 242.38 | 459.00 | 0.53 | FAIL |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13174.44 | 6942.00 | -832.17 | -5115.36 | 50.15 | 241.89 | 465.58 | 0.52 | FAIL |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13274.44 | 6942.00 | -837.84 | -5215.20 | 50.05 | 241.39 | 472.14 | 0.51 | FAIL |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13374.44 | 6942.00 | -843.50 | -5315.03 | 49.95 | 240.90 | 478.69 | 0.50 | FAIL |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13474.44 | 6942.00 | -849.17 | -5414.87 | 49.85 | 240.41 | 485.21 | 0.49 | FAIL |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13574.44 | 6942.00 | -854.83 | -5514.71 | 49.76 | 239.92 | 491.72 | 0.49 | FAIL |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13674.43 | 6942.00 | -860.50 | -5614.55 | 49.66 | 239.43 | 498.20 | 0.48 | FAIL |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13774.43 | 6942.00 | -866.16 | -5714.38 | 49.56 | 238.94 | 504.67 | 0.47 | FAIL |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13874.43 | 6942.00 | -871.83 | -5814.22 | 49.46 | 238.46 | 511.11 | 0.47 | FAIL |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 13974.43 | 6942.00 | -877.49 | -5914.06 | 49.36 | 237.97 | 517.54 | 0.46 | FAIL |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14074.42 | 6942.00 | -883.16 | -6013.90 | 49.26 | 237.48 | 523.94 | 0.45 | FAIL |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14174.42 | 6942.00 | -888.82 | -6113.73 | 49.15 | 237.00 | 530.32 | 0.45 | FAIL |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14274.42 | 6942.00 | -894.49 | -6213.57 | 49.05 | 236.51 | 536.07 | 0.44 | FAIL |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14374.42 | 6942.00 | -900.15 | -6313.41 | 48.95 | 236.03 | 543.02 | 0.43 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#17 GOETZEL 12N-30B-M (2237'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30B-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14474.42 | 6942.00 | -905.82 | -6413.25 | 48.85 | 235.54 | 549.33 | 0.43 | FAIL |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14574.41 | 6942.00 | -911.48 | -6513.08 | 48.75 | 235.06 | 555.62 | 0.42 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14674.41 | 6942.00 | -917.15 | -6612.92 | 48.64 | 234.58 | 561.89 | 0.42 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14774.41 | 6942.00 | -922.81 | -6712.76 | 48.54 | 234.10 | 568.14 | 0.41 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14874.41 | 6942.00 | -928.48 | -6812.60 | 48.43 | 233.62 | 574.36 | 0.41 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 14974.41 | 6942.00 | -934.14 | -6912.43 | 48.33 | 233.14 | 580.56 | 0.40 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15074.40 | 6942.00 | -939.81 | -7012.27 | 48.22 | 232.66 | 586.74 | 0.40 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15174.40 | 6942.00 | -945.47 | -7112.11 | 48.12 | 232.18 | 592.89 | 0.39 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15274.40 | 6942.00 | -951.14 | -7211.94 | 48.01 | 231.70 | 599.02 | 0.39 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15374.40 | 6942.00 | -956.80 | -7311.78 | 47.91 | 231.23 | 605.12 | 0.38 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15474.40 | 6942.00 | -962.47 | -7411.62 | 47.80 | 230.75 | 611.20 | 0.38 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15574.39 | 6942.00 | -968.13 | -7511.46 | 47.69 | 230.28 | 617.25 | 0.37 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15674.39 | 6942.00 | -973.80 | -7611.29 | 47.59 | 229.80 | 623.28 | 0.37 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15774.39 | 6942.00 | -979.46 | -7711.13 | 47.48 | 229.33 | 629.28 | 0.36 | FAIL |
| 15956.21† | 7097.00 | -1149.78 | -7732.72 | 15801.58 | 6942.00 | -981.00 | -7738.28 | 47.45 | 229.22 | 631.15 | 0.36 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15801.58 | 6942.00 | -981.00 | -7738.28 | 47.45 | 229.35 | 630.46 | 0.36 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1698.70 | 12.21 | 0.00 | 9.55 | 8.07 |
| 8.5in Open Hole | 1700.00 | 15801.00 | 14101.00 | 1698.70 | 6942.00 | 9.55 | 8.07 | -292.89 | -2358.45 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: GOETZEL 12N-30B-M REV-A.0 PWP | | | | |
|---|----------------|---|------------------|-----------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 12N-30B-M PWB |
| 1700.00 | 15801.58 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 12N-30B-M PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 12N-30B-M PWB Offset Wellpath: GOETZEL 12N-30B-M REV-A.0 PWP | |
|---|---|
| MD Reference: PRECISION 562 (25") (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -20.04 | -0.31 | -179.12 | 20.04 | 1.73 | 31.52 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -20.04 | -0.31 | -179.12 | 20.04 | 2.04 | 20.57 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -20.04 | -0.31 | -179.12 | 20.04 | 2.61 | 12.72 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | -20.04 | -0.31 | -179.12 | 20.04 | 3.21 | 9.05 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | -20.04 | -0.31 | -179.12 | 20.04 | 3.83 | 7.00 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | -20.04 | -0.31 | -179.12 | 20.04 | 4.45 | 5.69 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | -20.04 | -0.31 | -179.12 | 20.04 | 5.07 | 4.79 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | -20.04 | -0.31 | -179.12 | 20.04 | 5.69 | 4.14 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | -20.04 | -0.31 | -179.12 | 20.04 | 6.32 | 3.64 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | -20.04 | -0.31 | -179.12 | 20.04 | 6.95 | 3.25 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1024.90 | 1024.90 | -20.10 | -0.22 | -179.37 | 20.10 | 7.57 | 2.94 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1124.44 | 1124.40 | -21.56 | 1.93 | 174.90 | 21.65 | 8.25 | 2.88 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1149.29 | 1149.22 | -22.22 | 2.91 | 172.55 | 22.43 | 8.45 | 2.91 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1223.75 | 1223.52 | -24.95 | 6.91 | 50.42 | 25.29 | 9.11 | 3.03 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1322.87 | 1322.19 | -30.26 | 14.72 | 44.59 | 29.77 | 10.10 | 3.19 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1421.80 | 1420.28 | -37.46 | 25.32 | 41.02 | 34.74 | 11.15 | 3.35 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1520.55 | 1517.69 | -46.55 | 38.69 | 38.97 | 40.07 | 12.17 | 3.53 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1619.12 | 1614.31 | -57.50 | 54.80 | 37.94 | 45.67 | 13.16 | 3.70 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1717.49 | 1710.02 | -70.29 | 73.61 | 37.62 | 51.52 | 13.38 | 4.01 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1815.68 | 1804.70 | -84.89 | 95.07 | 37.80 | 57.59 | 13.81 | 4.34 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1914.38 | 1899.01 | -101.26 | 119.16 | 38.44 | 63.69 | 14.23 | 4.66 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1938.21 | 1921.73 | -105.30 | 125.10 | 38.79 | 64.88 | 14.31 | 4.72 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2014.25 | 1994.23 | -118.19 | 144.05 | 40.03 | 68.46 | 14.57 | 4.89 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2114.12 | 2089.46 | -135.11 | 168.95 | 41.49 | 73.20 | 15.03 | 5.06 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2213.99 | 2184.68 | -152.04 | 193.85 | 42.76 | 77.98 | 15.62 | 5.18 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2313.86 | 2279.91 | -168.97 | 218.75 | 43.89 | 82.79 | 16.33 | 5.26 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2413.73 | 2375.13 | -185.89 | 243.64 | 44.89 | 87.64 | 17.12 | 5.30 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2513.61 | 2470.36 | -202.82 | 268.54 | 45.79 | 92.51 | 18.01 | 5.31 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2613.48 | 2565.58 | -219.75 | 293.44 | 46.60 | 97.40 | 18.98 | 5.29 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2713.35 | 2660.81 | -236.67 | 318.34 | 47.33 | 102.30 | 20.01 | 5.26 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 13 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2813.22 | 2756.03 | -253.60 | 343.23 | 47.99 | 107.22 | 21.09 | 5.23 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2913.09 | 2851.26 | -270.53 | 368.13 | 48.60 | 112.16 | 22.22 | 5.18 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3012.96 | 2946.49 | -287.45 | 393.03 | 49.15 | 117.10 | 23.38 | 5.13 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3112.84 | 3041.71 | -304.38 | 417.93 | 49.66 | 122.06 | 24.58 | 5.08 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3212.71 | 3136.94 | -321.31 | 442.82 | 50.13 | 127.03 | 25.81 | 5.03 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3312.58 | 3232.16 | -338.24 | 467.72 | 50.56 | 132.00 | 27.06 | 4.98 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3412.45 | 3327.39 | -355.16 | 492.62 | 50.97 | 136.98 | 28.33 | 4.93 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3512.32 | 3422.61 | -372.09 | 517.52 | 51.34 | 141.96 | 29.62 | 4.89 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3612.19 | 3517.84 | -389.02 | 542.41 | 51.69 | 146.96 | 30.93 | 4.84 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3712.06 | 3613.06 | -405.94 | 567.31 | 52.02 | 151.95 | 32.25 | 4.80 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3811.94 | 3708.29 | -422.87 | 592.21 | 52.32 | 156.95 | 33.58 | 4.75 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3911.81 | 3803.52 | -439.80 | 617.10 | 52.61 | 161.96 | 34.92 | 4.71 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4011.68 | 3898.74 | -456.72 | 642.00 | 52.88 | 166.97 | 36.28 | 4.67 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4111.55 | 3993.97 | -473.65 | 666.90 | 53.13 | 171.98 | 37.64 | 4.64 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4211.42 | 4089.19 | -490.58 | 691.80 | 53.37 | 177.00 | 39.01 | 4.60 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4311.29 | 4184.42 | -507.50 | 716.69 | 53.60 | 182.02 | 40.38 | 4.57 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4411.16 | 4279.64 | -524.43 | 741.59 | 53.81 | 187.04 | 41.77 | 4.54 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4511.04 | 4374.87 | -541.36 | 766.49 | 54.01 | 192.06 | 43.16 | 4.51 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4610.91 | 4470.09 | -558.29 | 791.39 | 54.20 | 197.09 | 44.55 | 4.48 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4710.78 | 4565.32 | -575.21 | 816.28 | 54.39 | 202.12 | 45.95 | 4.45 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4810.65 | 4660.55 | -592.14 | 841.18 | 54.56 | 207.15 | 47.35 | 4.43 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4910.52 | 4755.77 | -609.07 | 866.08 | 54.73 | 212.18 | 48.75 | 4.40 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 5010.39 | 4851.00 | -625.99 | 890.98 | 54.89 | 217.21 | 50.16 | 4.38 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5110.26 | 4946.22 | -642.92 | 915.87 | 55.04 | 222.25 | 51.58 | 4.36 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5210.14 | 5041.45 | -659.85 | 940.77 | 55.18 | 227.29 | 52.99 | 4.33 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5310.01 | 5136.67 | -676.77 | 965.67 | 55.32 | 232.32 | 54.41 | 4.31 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5409.88 | 5231.90 | -693.70 | 990.57 | 55.45 | 237.36 | 55.83 | 4.29 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5509.75 | 5327.13 | -710.63 | 1015.46 | 55.58 | 242.40 | 57.25 | 4.27 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5609.62 | 5422.35 | -727.55 | 1040.36 | 55.70 | 247.45 | 58.68 | 4.26 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5709.49 | 5517.58 | -744.48 | 1065.26 | 55.81 | 252.49 | 60.11 | 4.24 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 14 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5809.36 | 5612.80 | -761.41 | 1090.16 | 55.93 | 257.53 | 61.54 | 4.22 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5909.24 | 5708.03 | -778.34 | 1115.05 | 56.03 | 262.58 | 62.97 | 4.21 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 6009.11 | 5803.25 | -795.26 | 1139.95 | 56.14 | 267.62 | 64.40 | 4.19 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6108.98 | 5898.48 | -812.19 | 1164.85 | 56.24 | 272.67 | 65.83 | 4.18 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6208.85 | 5993.70 | -829.12 | 1189.75 | 56.33 | 277.72 | 67.27 | 4.16 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6310.15 | 6090.67 | -846.41 | 1213.33 | 56.77 | 282.64 | 68.77 | 4.14 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6384.30 | 6162.96 | -859.54 | 1223.02 | 58.63 | 285.85 | 70.16 | 4.11 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6411.08 | 6189.25 | -864.38 | 1224.64 | 55.46 | 287.06 | 70.70 | 4.09 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6509.23 | 6285.62 | -882.36 | 1222.04 | 28.96 | 292.13 | 72.46 | 4.06 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6605.19 | 6378.58 | -900.12 | 1206.58 | -21.47 | 297.92 | 73.87 | 4.06 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6699.20 | 6466.80 | -917.35 | 1179.31 | -47.26 | 304.18 | 75.03 | 4.08 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6791.46 | 6549.18 | -933.83 | 1141.34 | -55.67 | 310.62 | 76.37 | 4.10 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6882.18 | 6624.80 | -949.35 | 1093.78 | -58.53 | 316.95 | 77.30 | 4.13 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6971.58 | 6692.89 | -963.73 | 1037.75 | -59.37 | 322.91 | 78.79 | 4.13 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7059.86 | 6752.83 | -976.82 | 974.36 | -59.37 | 328.23 | 80.68 | 4.10 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7147.21 | 6804.10 | -988.50 | 904.69 | -59.06 | 332.68 | 83.00 | 4.03 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7233.80 | 6846.30 | -998.65 | 829.81 | -58.68 | 336.10 | 85.75 | 3.94 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7319.83 | 6879.09 | -1007.18 | 750.79 | -58.35 | 338.32 | 88.94 | 3.83 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7405.47 | 6902.22 | -1014.01 | 668.67 | -58.14 | 339.25 | 92.49 | 3.69 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7490.88 | 6915.52 | -1019.08 | 584.50 | -58.09 | 338.82 | 96.36 | 3.53 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7553.14 | 6918.94 | -1021.63 | 522.41 | -58.17 | 337.65 | 99.33 | 3.42 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7578.65 | 6919.00 | -1022.43 | 496.92 | -58.13 | 337.18 | 100.56 | 3.37 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7678.63 | 6919.00 | -1025.51 | 396.98 | -57.96 | 335.53 | 105.53 | 3.19 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7778.61 | 6919.00 | -1028.60 | 297.05 | -57.78 | 333.89 | 110.80 | 3.03 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7878.59 | 6919.00 | -1031.68 | 197.12 | -57.60 | 332.24 | 116.33 | 2.87 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7978.57 | 6919.00 | -1034.76 | 97.18 | -57.42 | 330.61 | 122.07 | 2.72 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8078.56 | 6919.00 | -1037.84 | -2.75 | -57.24 | 328.97 | 127.99 | 2.58 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8178.54 | 6919.00 | -1040.93 | -102.68 | -57.05 | 327.34 | 134.07 | 2.45 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8278.52 | 6919.00 | -1044.01 | -202.62 | -56.87 | 325.71 | 140.27 | 2.33 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8378.50 | 6919.00 | -1047.09 | -302.55 | -56.68 | 324.09 | 146.58 | 2.22 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 15 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8478.48 | 6919.00 | -1050.18 | -402.49 | -56.49 | 322.46 | 152.97 | 2.11 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8578.46 | 6919.00 | -1053.26 | -502.42 | -56.30 | 320.85 | 159.43 | 2.02 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8678.44 | 6919.00 | -1056.34 | -602.35 | -56.11 | 319.23 | 165.95 | 1.93 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8778.42 | 6919.00 | -1059.43 | -702.29 | -55.91 | 317.62 | 172.51 | 1.84 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8878.40 | 6919.00 | -1062.51 | -802.22 | -55.71 | 316.01 | 179.11 | 1.77 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 8978.39 | 6919.00 | -1065.59 | -902.15 | -55.51 | 314.41 | 185.73 | 1.70 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9078.37 | 6919.00 | -1068.67 | -1002.09 | -55.31 | 312.81 | 192.37 | 1.63 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9178.35 | 6919.00 | -1071.76 | -1102.02 | -55.11 | 311.22 | 199.02 | 1.57 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9278.33 | 6919.00 | -1074.84 | -1201.95 | -54.90 | 309.63 | 205.67 | 1.51 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9378.31 | 6919.00 | -1077.92 | -1301.89 | -54.70 | 308.04 | 212.32 | 1.45 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9478.29 | 6919.00 | -1081.01 | -1401.82 | -54.49 | 306.45 | 218.97 | 1.40 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9578.27 | 6919.00 | -1084.09 | -1501.76 | -54.27 | 304.88 | 225.61 | 1.35 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9678.25 | 6919.00 | -1087.17 | -1601.69 | -54.06 | 303.30 | 232.23 | 1.31 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9778.23 | 6919.00 | -1090.25 | -1701.62 | -53.84 | 301.73 | 238.83 | 1.26 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9878.22 | 6919.00 | -1093.34 | -1801.56 | -53.62 | 300.16 | 245.42 | 1.22 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 9978.20 | 6919.00 | -1096.42 | -1901.49 | -53.40 | 298.60 | 251.97 | 1.19 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10078.18 | 6919.00 | -1099.50 | -2001.42 | -53.18 | 297.04 | 258.51 | 1.15 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10178.16 | 6919.00 | -1102.59 | -2101.36 | -52.95 | 295.49 | 265.01 | 1.12 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10278.14 | 6919.00 | -1105.67 | -2201.29 | -52.73 | 293.94 | 271.47 | 1.08 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10378.12 | 6919.00 | -1108.75 | -2301.22 | -52.50 | 292.40 | 277.90 | 1.05 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10478.10 | 6919.00 | -1111.84 | -2401.16 | -52.26 | 290.86 | 284.30 | 1.02 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10578.08 | 6919.00 | -1114.92 | -2501.09 | -52.03 | 289.33 | 290.65 | 1.00 | FAIL |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10678.06 | 6919.00 | -1118.00 | -2601.02 | -51.79 | 287.80 | 296.96 | 0.97 | FAIL |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10778.05 | 6919.00 | -1121.08 | -2700.96 | -51.55 | 286.27 | 303.23 | 0.94 | FAIL |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10878.03 | 6919.00 | -1124.17 | -2800.89 | -51.31 | 284.76 | 309.45 | 0.92 | FAIL |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 10978.01 | 6919.00 | -1127.25 | -2900.83 | -51.06 | 283.24 | 315.62 | 0.90 | FAIL |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11077.99 | 6919.00 | -1130.33 | -3000.76 | -50.81 | 281.73 | 321.75 | 0.88 | FAIL |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11177.97 | 6919.00 | -1133.42 | -3100.69 | -50.56 | 280.23 | 327.81 | 0.85 | FAIL |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11277.95 | 6919.00 | -1136.50 | -3200.63 | -50.31 | 278.73 | 333.83 | 0.83 | FAIL |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11377.93 | 6919.00 | -1139.58 | -3300.56 | -50.05 | 277.24 | 339.79 | 0.82 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11477.91 | 6919.00 | -1142.66 | -3400.49 | -49.79 | 275.75 | 345.69 | 0.80 | FAIL |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11577.89 | 6919.00 | -1145.75 | -3500.43 | -49.53 | 274.27 | 351.53 | 0.78 | FAIL |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11677.88 | 6919.00 | -1148.83 | -3600.36 | -49.27 | 272.80 | 357.30 | 0.76 | FAIL |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11777.86 | 6919.00 | -1151.91 | -3700.29 | -49.00 | 271.33 | 363.02 | 0.75 | FAIL |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11877.84 | 6919.00 | -1155.00 | -3800.23 | -48.73 | 269.87 | 368.66 | 0.73 | FAIL |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 11977.82 | 6919.00 | -1158.08 | -3900.16 | -48.45 | 268.41 | 374.24 | 0.72 | FAIL |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12077.80 | 6919.00 | -1161.16 | -4000.09 | -48.18 | 266.96 | 379.75 | 0.70 | FAIL |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12177.78 | 6919.00 | -1164.25 | -4100.03 | -47.90 | 265.51 | 385.19 | 0.69 | FAIL |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12277.76 | 6919.00 | -1167.33 | -4199.96 | -47.61 | 264.08 | 390.56 | 0.68 | FAIL |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12377.74 | 6919.00 | -1170.41 | -4299.90 | -47.33 | 262.64 | 395.85 | 0.66 | FAIL |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12477.72 | 6919.00 | -1173.49 | -4399.83 | -47.04 | 261.22 | 401.06 | 0.65 | FAIL |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12577.71 | 6919.00 | -1176.58 | -4499.76 | -46.75 | 259.80 | 406.19 | 0.64 | FAIL |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12677.69 | 6919.00 | -1179.66 | -4599.70 | -46.45 | 258.39 | 411.24 | 0.63 | FAIL |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12777.67 | 6919.00 | -1182.74 | -4699.63 | -46.16 | 256.99 | 416.21 | 0.62 | FAIL |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12877.65 | 6919.00 | -1185.83 | -4799.56 | -45.85 | 255.59 | 421.10 | 0.61 | FAIL |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 12977.63 | 6919.00 | -1188.91 | -4899.50 | -45.55 | 254.20 | 425.89 | 0.60 | FAIL |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13077.61 | 6919.00 | -1191.99 | -4999.43 | -45.24 | 252.81 | 430.60 | 0.59 | FAIL |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13177.59 | 6919.00 | -1195.07 | -5099.36 | -44.93 | 251.44 | 435.22 | 0.58 | FAIL |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13277.57 | 6919.00 | -1198.16 | -5199.30 | -44.61 | 250.07 | 439.74 | 0.57 | FAIL |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13377.56 | 6919.00 | -1201.24 | -5299.23 | -44.30 | 248.71 | 444.16 | 0.56 | FAIL |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13477.54 | 6919.00 | -1204.32 | -5399.17 | -43.97 | 247.36 | 448.49 | 0.55 | FAIL |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13577.52 | 6919.00 | -1207.41 | -5499.10 | -43.65 | 246.01 | 452.72 | 0.54 | FAIL |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13677.50 | 6919.00 | -1210.49 | -5599.03 | -43.32 | 244.68 | 456.85 | 0.53 | FAIL |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13777.48 | 6919.00 | -1213.57 | -5698.97 | -42.99 | 243.35 | 460.87 | 0.53 | FAIL |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13877.46 | 6919.00 | -1216.66 | -5798.90 | -42.65 | 242.03 | 464.79 | 0.52 | FAIL |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 13977.44 | 6919.00 | -1219.74 | -5898.83 | -42.31 | 240.71 | 468.60 | 0.51 | FAIL |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14077.42 | 6919.00 | -1222.82 | -5998.77 | -41.97 | 239.41 | 472.29 | 0.51 | FAIL |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14177.40 | 6919.00 | -1225.90 | -6098.70 | -41.62 | 238.12 | 475.88 | 0.50 | FAIL |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14277.39 | 6919.00 | -1228.99 | -6198.63 | -41.27 | 236.83 | 479.35 | 0.49 | FAIL |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14377.37 | 6919.00 | -1232.07 | -6298.57 | -40.91 | 235.55 | 482.70 | 0.49 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#19 GOETZEL 33N-30B-M (2197'FSL & 2053'FWL, SEC.29) Well: GOETZEL 33N-30B-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14477.35 | 6919.00 | -1235.15 | -6398.50 | -40.55 | 234.29 | 485.93 | 0.48 | FAIL |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14577.33 | 6919.00 | -1238.24 | -6498.43 | -40.19 | 233.03 | 489.04 | 0.48 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14677.31 | 6919.00 | -1241.32 | -6598.37 | -39.82 | 231.78 | 492.02 | 0.47 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14777.29 | 6919.00 | -1244.40 | -6698.30 | -39.45 | 230.54 | 494.88 | 0.47 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14877.27 | 6919.00 | -1247.48 | -6798.24 | -39.08 | 229.31 | 497.61 | 0.46 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 14977.25 | 6919.00 | -1250.57 | -6898.17 | -38.70 | 228.09 | 500.20 | 0.46 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15077.23 | 6919.00 | -1253.65 | -6998.10 | -38.32 | 226.88 | 502.67 | 0.45 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15177.22 | 6919.00 | -1256.73 | -7098.04 | -37.93 | 225.68 | 504.99 | 0.45 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15277.20 | 6919.00 | -1259.82 | -7197.97 | -37.54 | 224.49 | 507.18 | 0.44 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15377.18 | 6919.00 | -1262.90 | -7297.90 | -37.14 | 223.31 | 509.23 | 0.44 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15477.16 | 6919.00 | -1265.98 | -7397.84 | -36.74 | 222.15 | 511.13 | 0.43 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15577.14 | 6919.00 | -1269.07 | -7497.77 | -36.34 | 220.99 | 512.89 | 0.43 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15677.12 | 6919.00 | -1272.15 | -7597.70 | -35.93 | 219.84 | 514.51 | 0.43 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15777.10 | 6919.00 | -1275.23 | -7697.64 | -35.52 | 218.71 | 515.97 | 0.42 | FAIL |
| 15961.00† | 7097.00 | -1150.02 | -7737.51 | 15813.09 | 6919.00 | -1276.34 | -7733.61 | -35.37 | 218.30 | 516.46 | 0.42 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15813.64 | 6919.00 | -1276.36 | -7734.15 | -35.37 | 218.30 | 516.11 | 0.42 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1693.06 | -12.21 | -0.19 | -26.80 | 21.26 |
| 8.5in Open Hole | 1700.00 | 15817.00 | 14117.00 | 1693.06 | 6919.00 | -26.80 | 21.26 | -395.17 | -2358.49 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 33N-30B-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|-----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 33N-30B-M PWB |
| 1700.00 | 15817.02 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 33N-30B-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 33N-30B-M PWB Offset Wellpath: GOETZEL 33N-30B-M REV-A.0 PWP

| | |
|---|---|
| MD Reference: PRECISION 562 (25") (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 | |
| 25.00 | 25.00 | 0.00 | 0.00 | 11.00 | 25.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 50.38 | 138.51 | PASS | |
| 125.00† | 125.00 | 0.00 | 0.00 | 111.00 | 125.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 52.68 | 132.35 | PASS | |
| 225.00† | 225.00 | 0.00 | 0.00 | 211.00 | 225.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 54.99 | 126.70 | PASS | |
| 325.00† | 325.00 | 0.00 | 0.00 | 311.00 | 325.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 57.30 | 121.51 | PASS | |
| 425.00† | 425.00 | 0.00 | 0.00 | 411.00 | 425.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 59.44 | 116.72 | PASS | |
| 525.00† | 525.00 | 0.00 | 0.00 | 511.00 | 525.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 61.76 | 112.28 | PASS | |
| 625.00† | 625.00 | 0.00 | 0.00 | 611.00 | 625.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 64.09 | 108.16 | PASS | |
| 725.00† | 725.00 | 0.00 | 0.00 | 711.00 | 725.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 66.42 | 104.33 | PASS | |
| 825.00† | 825.00 | 0.00 | 0.00 | 811.00 | 825.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 68.75 | 100.75 | PASS | |
| 925.00† | 925.00 | 0.00 | 0.00 | 911.00 | 925.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 71.08 | 97.40 | PASS | |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1011.00 | 1025.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 73.42 | 94.27 | PASS | |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1111.00 | 1125.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 75.77 | 91.32 | PASS | |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1136.00 | 1150.00 | -1408.28 | -6705.08 | -101.86 | 6851.38 | 76.35 | 90.61 | PASS | |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1210.99 | 1224.99 | -1408.28 | -6705.08 | 142.42 | 6852.16 | 78.12 | 88.56 | PASS | |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1310.89 | 1324.89 | -1408.28 | -6705.08 | 142.40 | 6855.62 | 80.49 | 85.97 | PASS | |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1410.58 | 1424.58 | -1408.28 | -6705.08 | 142.37 | 6861.84 | 82.88 | 83.54 | PASS | |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1509.93 | 1523.93 | -1408.28 | -6705.08 | 142.31 | 6870.82 | 85.26 | 81.29 | PASS | |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1608.83 | 1622.83 | -1408.28 | -6705.08 | 142.24 | 6882.56 | 87.65 | 79.20 | PASS | |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1707.15 | 1721.15 | -1408.28 | -6705.08 | 142.16 | 6897.05 | 89.79 | 77.28 | PASS | |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1804.77 | 1818.77 | -1408.28 | -6705.08 | 142.05 | 6914.28 | 92.09 | 75.52 | PASS | |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1901.58 | 1915.58 | -1408.28 | -6705.08 | 141.93 | 6934.25 | 94.39 | 73.88 | PASS | |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1924.55 | 1938.55 | -1408.28 | -6705.08 | 141.89 | 6939.42 | 94.93 | 73.51 | PASS | |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1997.75 | 2011.75 | -1408.28 | -6705.08 | 142.00 | 6956.16 | 96.66 | 72.37 | PASS | |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2093.88 | 2107.88 | -1408.28 | -6705.08 | 142.14 | 6978.19 | 98.94 | 70.91 | PASS | |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2190.02 | 2204.02 | -1408.28 | -6705.08 | 142.27 | 7000.26 | 101.24 | 69.51 | PASS | |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2286.16 | 2300.16 | -1408.28 | -6705.08 | 142.41 | 7022.36 | 103.55 | 68.17 | PASS | |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2382.29 | 2396.29 | -1408.28 | -6705.08 | 142.54 | 7044.50 | 105.88 | 66.87 | PASS | |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2478.43 | 2492.43 | -1408.28 | -6705.08 | 142.68 | 7066.69 | 108.22 | 65.62 | PASS | |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2574.57 | 2588.57 | -1408.28 | -6705.08 | 142.81 | 7088.90 | 110.59 | 64.41 | PASS | |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2670.71 | 2684.71 | -1408.28 | -6705.08 | 142.94 | 7111.16 | 112.96 | 63.25 | PASS | |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2766.84 | 2780.84 | -1408.28 | -6705.08 | 143.07 | 7133.45 | 115.35 | 62.13 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2862.98 | 2876.98 | -1408.28 | -6705.08 | 143.20 | 7155.78 | 117.76 | 61.04 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2959.12 | 2973.12 | -1408.28 | -6705.08 | 143.33 | 7178.15 | 120.18 | 60.00 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3055.25 | 3069.25 | -1408.28 | -6705.08 | 143.46 | 7200.55 | 122.61 | 58.98 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3151.39 | 3165.39 | -1408.28 | -6705.08 | 143.59 | 7222.98 | 125.06 | 58.00 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3247.53 | 3261.53 | -1408.28 | -6705.08 | 143.72 | 7245.45 | 127.52 | 57.06 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3343.67 | 3357.67 | -1408.28 | -6705.08 | 143.84 | 7267.96 | 129.99 | 56.14 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3439.80 | 3453.80 | -1408.28 | -6705.08 | 143.97 | 7290.50 | 132.47 | 55.26 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3535.94 | 3549.94 | -1408.28 | -6705.08 | 144.10 | 7313.08 | 134.97 | 54.40 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3632.08 | 3646.08 | -1408.28 | -6705.08 | 144.22 | 7335.68 | 137.47 | 53.57 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3728.21 | 3742.21 | -1408.28 | -6705.08 | 144.34 | 7358.33 | 139.99 | 52.76 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3824.35 | 3838.35 | -1408.28 | -6705.08 | 144.47 | 7381.00 | 142.52 | 51.98 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3920.49 | 3934.49 | -1408.28 | -6705.08 | 144.59 | 7403.71 | 145.06 | 51.23 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4016.63 | 4030.63 | -1408.28 | -6705.08 | 144.71 | 7426.45 | 147.61 | 50.49 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4112.76 | 4126.76 | -1408.28 | -6705.08 | 144.83 | 7449.22 | 150.17 | 49.78 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4208.90 | 4222.90 | -1408.28 | -6705.08 | 144.95 | 7472.03 | 152.74 | 49.09 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4305.04 | 4319.04 | -1408.28 | -6705.08 | 145.07 | 7494.86 | 155.31 | 48.42 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4401.17 | 4415.17 | -1408.28 | -6705.08 | 145.19 | 7517.73 | 157.90 | 47.77 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4497.31 | 4511.31 | -1408.28 | -6705.08 | 145.31 | 7540.63 | 160.49 | 47.14 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4593.45 | 4607.45 | -1408.28 | -6705.08 | 145.42 | 7563.56 | 163.09 | 46.53 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4689.58 | 4703.58 | -1408.28 | -6705.08 | 145.54 | 7586.52 | 165.70 | 45.93 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4785.72 | 4799.72 | -1408.28 | -6705.08 | 145.66 | 7609.51 | 168.31 | 45.35 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4881.86 | 4895.86 | -1408.28 | -6705.08 | 145.77 | 7632.53 | 170.94 | 44.79 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4978.00 | 4992.00 | -1408.28 | -6705.08 | 145.89 | 7655.58 | 173.57 | 44.24 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5074.13 | 5088.13 | -1408.28 | -6705.08 | 146.00 | 7678.66 | 176.20 | 43.71 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5170.27 | 5184.27 | -1408.28 | -6705.08 | 146.11 | 7701.77 | 178.84 | 43.19 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5266.41 | 5280.41 | -1408.28 | -6705.08 | 146.23 | 7724.91 | 181.49 | 42.69 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5362.54 | 5376.54 | -1408.28 | -6705.08 | 146.34 | 7748.08 | 184.14 | 42.20 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5458.68 | 5472.68 | -1408.28 | -6705.08 | 146.45 | 7771.27 | 186.80 | 41.72 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5554.82 | 5568.82 | -1408.28 | -6705.08 | 146.56 | 7794.50 | 189.47 | 41.25 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5650.96 | 5664.96 | -1408.28 | -6705.08 | 146.67 | 7817.75 | 192.14 | 40.80 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5747.09 | 5761.09 | -1408.28 | -6705.08 | 146.78 | 7841.03 | 194.81 | 40.36 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5843.23 | 5857.23 | -1408.28 | -6705.08 | 146.89 | 7864.33 | 197.49 | 39.93 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5939.37 | 5953.37 | -1408.28 | -6705.08 | 146.99 | 7887.67 | 200.17 | 39.51 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6035.50 | 6049.50 | -1408.28 | -6705.08 | 147.10 | 7911.03 | 202.86 | 39.10 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6131.64 | 6145.64 | -1408.28 | -6705.08 | 147.21 | 7934.42 | 205.55 | 38.70 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6201.94 | 6215.94 | -1408.28 | -6705.08 | 147.29 | 7951.53 | 207.52 | 38.41 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6227.89 | 6241.89 | -1408.28 | -6705.08 | 143.15 | 7957.34 | 208.24 | 38.31 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6325.96 | 6339.96 | -1408.28 | -6705.08 | 113.07 | 7970.23 | 211.03 | 37.86 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6424.96 | 6438.96 | -1408.28 | -6705.08 | 59.22 | 7969.26 | 214.05 | 37.32 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6522.95 | 6536.95 | -1408.28 | -6705.08 | 30.21 | 7954.42 | 217.07 | 36.73 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6618.03 | 6632.03 | -1408.28 | -6705.08 | 18.82 | 7926.01 | 220.01 | 36.11 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6708.35 | 6722.35 | -1408.28 | -6705.08 | 13.23 | 7884.58 | 222.67 | 35.49 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6792.15 | 6806.15 | -1408.28 | -6705.08 | 9.92 | 7830.92 | 225.04 | 34.88 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6867.80 | 6881.80 | -1408.28 | -6705.08 | 7.65 | 7766.08 | 227.11 | 34.28 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6933.83 | 6947.83 | -1408.28 | -6705.08 | 5.84 | 7691.32 | 228.84 | 33.69 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6988.95 | 7002.95 | -1408.28 | -6705.08 | 4.10 | 7608.07 | 230.24 | 33.12 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7032.09 | 7046.09 | -1408.28 | -6705.08 | 1.90 | 7517.97 | 231.30 | 32.58 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7062.41 | 7076.41 | -1408.28 | -6705.08 | -2.11 | 7422.76 | 232.02 | 32.06 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7079.32 | 7093.32 | -1408.28 | -6705.08 | -15.80 | 7324.30 | 232.42 | 31.58 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 7251.53 | 232.51 | 31.26 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 7224.50 | 232.52 | 31.14 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 7124.59 | 232.54 | 30.71 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 7024.69 | 232.56 | 30.27 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6924.79 | 232.58 | 29.84 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6824.89 | 232.61 | 29.41 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6724.99 | 232.64 | 28.97 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6625.10 | 232.68 | 28.54 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6525.21 | 232.72 | 28.10 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6425.33 | 232.76 | 27.67 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6325.45 | 232.81 | 27.23 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6225.57 | 232.86 | 26.80 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6125.69 | 232.91 | 26.36 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 6025.82 | 232.98 | 25.92 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5925.96 | 233.04 | 25.49 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5826.10 | 233.11 | 25.05 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5726.24 | 233.19 | 24.61 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5626.39 | 233.27 | 24.17 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5526.55 | 233.36 | 23.73 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5426.71 | 233.46 | 23.30 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5326.87 | 233.56 | 22.86 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5227.04 | 233.68 | 22.42 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5127.22 | 233.80 | 21.98 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 5027.41 | 233.92 | 21.54 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4927.60 | 234.06 | 21.10 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4827.81 | 234.21 | 20.66 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4728.02 | 234.37 | 20.22 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4628.24 | 234.55 | 19.78 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4528.46 | 234.73 | 19.33 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4428.70 | 234.93 | 18.89 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4328.95 | 235.15 | 18.45 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4229.22 | 235.38 | 18.01 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4129.49 | 235.63 | 17.56 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 4029.78 | 235.90 | 17.12 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3930.08 | 236.20 | 16.67 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3830.40 | 236.52 | 16.23 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3730.74 | 236.86 | 15.78 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3631.10 | 237.23 | 15.34 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3531.47 | 237.64 | 14.89 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3431.87 | 238.08 | 14.45 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3332.29 | 238.56 | 14.00 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3232.73 | 239.09 | 13.55 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3133.21 | 239.67 | 13.10 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 3033.72 | 240.30 | 12.65 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2934.26 | 241.00 | 12.20 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2834.83 | 241.76 | 11.75 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2735.46 | 242.61 | 11.30 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2636.12 | 243.54 | 10.85 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2536.84 | 244.58 | 10.39 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2437.62 | 245.73 | 9.94 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2338.47 | 247.02 | 9.49 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2239.39 | 248.46 | 9.03 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2140.39 | 250.08 | 8.58 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 2041.50 | 251.90 | 8.12 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1942.72 | 253.96 | 7.66 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1844.07 | 256.30 | 7.21 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1745.57 | 258.97 | 6.75 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1647.25 | 262.04 | 6.30 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1549.15 | 265.57 | 5.84 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1451.31 | 269.67 | 5.39 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1353.78 | 274.46 | 4.94 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1256.64 | 280.09 | 4.49 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1159.99 | 286.76 | 4.05 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 1063.96 | 294.75 | 3.61 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 968.73 | 304.42 | 3.19 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 874.57 | 316.25 | 2.77 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 781.86 | 330.92 | 2.36 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 691.18 | 349.34 | 1.98 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 603.45 | 372.74 | 1.62 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 520.18 | 402.64 | 1.29 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 24 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) Well: LAFARGE WEST #30-35 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 443.86 | 440.37 | 1.01 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 378.74 | 485.27 | 0.78 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 331.47 | 529.97 | 0.63 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 310.33 | 556.39 | 0.56 | FAIL |
| 14943.31† | 7097.00 | -1098.88 | -6721.11 | 7083.07 | 7097.07 | -1408.28 | -6705.08 | -90.01 | 309.81 | 557.64 | 0.56 | FAIL |
| 14946.55† | 7097.00 | -1099.05 | -6724.34 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 309.84 | 557.73 | 0.56 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 320.52 | 548.30 | 0.58 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 359.39 | 513.10 | 0.70 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 419.03 | 470.50 | 0.89 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 491.95 | 432.12 | 1.14 | PASS |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 573.10 | 400.86 | 1.43 | PASS |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 659.45 | 376.12 | 1.75 | PASS |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 749.20 | 356.56 | 2.10 | PASS |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 841.27 | 340.94 | 2.47 | PASS |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 7083.00 | 7097.00 | -1408.28 | -6705.08 | -90.00 | 934.97 | 328.32 | 2.85 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 12.25in Open Hole | 0.00 | 405.00 | 405.00 | -11.00 | 394.00 | -857.93 | -4087.54 | -857.93 | -4087.54 |
| 8.625in Casing Surface | 0.00 | 405.00 | 405.00 | -11.00 | 394.00 | -857.93 | -4087.54 | -857.93 | -4087.54 |
| 7.875in Open Hole | 405.00 | 7239.00 | 6834.00 | 394.00 | 7228.00 | -857.93 | -4087.54 | -857.93 | -4087.54 |
| 4.5in Casing Production | 0.00 | 7239.00 | 7239.00 | -11.00 | 7228.00 | -857.93 | -4087.54 | -857.93 | -4087.54 |

WELLPATH COMPOSITION - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|---|-------------------------|
| 0.00 | 7251.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7251' FROM CO WEBSITE> | LAFARGE WEST #30-35 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: LAFARGE WEST #30-35 AWB Offset Wellpath: LAFARGE WEST #30-35 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#03 EX:LAFARGE WEST #30-35 (1118'FSL & 1186'FWL SEC.30,7251'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 8.00 | 25.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 50.31 | 143.05 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 108.00 | 125.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 52.61 | 136.68 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 208.00 | 225.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 54.92 | 130.84 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 308.00 | 325.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 57.23 | 125.47 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 408.00 | 425.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 59.37 | 120.51 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 508.00 | 525.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 61.69 | 115.93 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 608.00 | 625.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 64.02 | 111.67 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 708.00 | 725.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 66.34 | 107.71 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 808.00 | 825.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 68.67 | 104.01 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 908.00 | 925.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 71.01 | 100.56 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1008.00 | 1025.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 73.35 | 97.32 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1108.00 | 1125.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 75.69 | 94.27 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1133.00 | 1150.00 | -760.80 | -7024.67 | -96.18 | 7065.75 | 76.28 | 93.54 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1207.99 | 1224.99 | -760.80 | -7024.67 | 148.10 | 7066.58 | 78.04 | 91.42 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1307.89 | 1324.89 | -760.80 | -7024.67 | 148.08 | 7070.28 | 80.42 | 88.74 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1407.58 | 1424.58 | -760.80 | -7024.67 | 148.04 | 7076.95 | 82.81 | 86.23 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1506.93 | 1523.93 | -760.80 | -7024.67 | 147.99 | 7086.57 | 85.20 | 83.90 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1605.83 | 1622.83 | -760.80 | -7024.67 | 147.92 | 7099.13 | 87.59 | 81.74 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1704.15 | 1721.15 | -760.80 | -7024.67 | 147.83 | 7114.64 | 89.73 | 79.76 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1801.77 | 1818.77 | -760.80 | -7024.67 | 147.72 | 7133.07 | 92.04 | 77.95 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1898.58 | 1915.58 | -760.80 | -7024.67 | 147.59 | 7154.42 | 94.34 | 76.27 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1921.55 | 1938.55 | -760.80 | -7024.67 | 147.56 | 7159.94 | 94.89 | 75.88 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1994.75 | 2011.75 | -760.80 | -7024.67 | 147.65 | 7177.83 | 96.61 | 74.71 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2090.88 | 2107.88 | -760.80 | -7024.67 | 147.77 | 7201.36 | 98.89 | 73.22 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2187.02 | 2204.02 | -760.80 | -7024.67 | 147.88 | 7224.91 | 101.18 | 71.79 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2283.16 | 2300.16 | -760.80 | -7024.67 | 148.00 | 7248.49 | 103.49 | 70.41 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2379.29 | 2396.29 | -760.80 | -7024.67 | 148.11 | 7272.10 | 105.81 | 69.08 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2475.43 | 2492.43 | -760.80 | -7024.67 | 148.22 | 7295.73 | 108.15 | 67.79 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2571.57 | 2588.57 | -760.80 | -7024.67 | 148.33 | 7319.40 | 110.50 | 66.56 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2667.71 | 2684.71 | -760.80 | -7024.67 | 148.45 | 7343.08 | 112.87 | 65.37 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 27 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2763.84 | 2780.84 | -760.80 | -7024.67 | 148.56 | 7366.80 | 115.25 | 64.22 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2859.98 | 2876.98 | -760.80 | -7024.67 | 148.67 | 7390.54 | 117.65 | 63.11 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2956.12 | 2973.12 | -760.80 | -7024.67 | 148.78 | 7414.31 | 120.06 | 62.03 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3052.25 | 3069.25 | -760.80 | -7024.67 | 148.89 | 7438.11 | 122.48 | 61.00 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3148.39 | 3165.39 | -760.80 | -7024.67 | 148.99 | 7461.93 | 124.91 | 59.99 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3244.53 | 3261.53 | -760.80 | -7024.67 | 149.10 | 7485.77 | 127.36 | 59.02 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3340.67 | 3357.67 | -760.80 | -7024.67 | 149.21 | 7509.64 | 129.82 | 58.08 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3436.80 | 3453.80 | -760.80 | -7024.67 | 149.31 | 7533.54 | 132.29 | 57.18 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3532.94 | 3549.94 | -760.80 | -7024.67 | 149.42 | 7557.46 | 134.78 | 56.30 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3629.08 | 3646.08 | -760.80 | -7024.67 | 149.52 | 7581.41 | 137.27 | 55.44 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3725.21 | 3742.21 | -760.80 | -7024.67 | 149.63 | 7605.38 | 139.78 | 54.62 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3821.35 | 3838.35 | -760.80 | -7024.67 | 149.73 | 7629.37 | 142.29 | 53.82 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3917.49 | 3934.49 | -760.80 | -7024.67 | 149.83 | 7653.39 | 144.82 | 53.04 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4013.63 | 4030.63 | -760.80 | -7024.67 | 149.94 | 7677.43 | 147.35 | 52.29 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4109.76 | 4126.76 | -760.80 | -7024.67 | 150.04 | 7701.49 | 149.90 | 51.56 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4205.90 | 4222.90 | -760.80 | -7024.67 | 150.14 | 7725.58 | 152.45 | 50.85 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4302.04 | 4319.04 | -760.80 | -7024.67 | 150.24 | 7749.69 | 155.01 | 50.17 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4398.17 | 4415.17 | -760.80 | -7024.67 | 150.34 | 7773.82 | 157.59 | 49.50 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4494.31 | 4511.31 | -760.80 | -7024.67 | 150.44 | 7797.98 | 160.16 | 48.85 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4590.45 | 4607.45 | -760.80 | -7024.67 | 150.54 | 7822.15 | 162.75 | 48.22 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4686.58 | 4703.58 | -760.80 | -7024.67 | 150.64 | 7846.35 | 165.35 | 47.61 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4782.72 | 4799.72 | -760.80 | -7024.67 | 150.73 | 7870.57 | 167.95 | 47.01 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4878.86 | 4895.86 | -760.80 | -7024.67 | 150.83 | 7894.82 | 170.56 | 46.43 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4975.00 | 4992.00 | -760.80 | -7024.67 | 150.93 | 7919.08 | 173.17 | 45.87 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5071.13 | 5088.13 | -760.80 | -7024.67 | 151.02 | 7943.37 | 175.79 | 45.32 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5167.27 | 5184.27 | -760.80 | -7024.67 | 151.12 | 7967.67 | 178.42 | 44.79 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5263.41 | 5280.41 | -760.80 | -7024.67 | 151.21 | 7992.00 | 181.05 | 44.27 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5359.54 | 5376.54 | -760.80 | -7024.67 | 151.30 | 8016.35 | 183.69 | 43.77 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5455.68 | 5472.68 | -760.80 | -7024.67 | 151.40 | 8040.72 | 186.34 | 43.27 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5551.82 | 5568.82 | -760.80 | -7024.67 | 151.49 | 8065.11 | 188.99 | 42.79 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5647.96 | 5664.96 | -760.80 | -7024.67 | 151.58 | 8089.52 | 191.65 | 42.33 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5744.09 | 5761.09 | -760.80 | -7024.67 | 151.68 | 8113.95 | 194.31 | 41.87 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5840.23 | 5857.23 | -760.80 | -7024.67 | 151.77 | 8138.39 | 196.97 | 41.43 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5936.37 | 5953.37 | -760.80 | -7024.67 | 151.86 | 8162.86 | 199.64 | 41.00 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6032.50 | 6049.50 | -760.80 | -7024.67 | 151.95 | 8187.35 | 202.31 | 40.57 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6128.64 | 6145.64 | -760.80 | -7024.67 | 152.04 | 8211.86 | 204.99 | 40.16 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6198.94 | 6215.94 | -760.80 | -7024.67 | 152.10 | 8229.79 | 206.95 | 39.87 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6224.89 | 6241.89 | -760.80 | -7024.67 | 147.92 | 8235.89 | 207.67 | 39.76 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6322.96 | 6339.96 | -760.80 | -7024.67 | 117.74 | 8249.91 | 210.47 | 39.30 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6421.96 | 6438.96 | -760.80 | -7024.67 | 63.89 | 8250.04 | 213.53 | 38.73 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6519.95 | 6536.95 | -760.80 | -7024.67 | 34.98 | 8236.30 | 216.60 | 38.12 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6615.03 | 6632.03 | -760.80 | -7024.67 | 23.81 | 8208.95 | 219.58 | 37.47 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6705.35 | 6722.35 | -760.80 | -7024.67 | 18.56 | 8168.52 | 222.26 | 36.84 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6789.15 | 6806.15 | -760.80 | -7024.67 | 15.78 | 8115.80 | 224.63 | 36.22 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6864.80 | 6881.80 | -760.80 | -7024.67 | 14.29 | 8051.81 | 226.68 | 35.60 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6930.83 | 6947.83 | -760.80 | -7024.67 | 13.67 | 7977.80 | 228.39 | 35.01 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6985.95 | 7002.95 | -760.80 | -7024.67 | 13.83 | 7895.20 | 229.76 | 34.44 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7029.09 | 7046.09 | -760.80 | -7024.67 | 15.04 | 7805.61 | 230.79 | 33.90 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7059.41 | 7076.41 | -760.80 | -7024.67 | 18.44 | 7710.78 | 231.48 | 33.39 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7076.32 | 7093.32 | -760.80 | -7024.67 | 30.89 | 7612.53 | 231.84 | 32.91 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7539.81 | 231.92 | 32.58 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7512.79 | 231.91 | 32.47 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7412.90 | 231.90 | 32.04 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7313.02 | 231.89 | 31.61 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7213.14 | 231.88 | 31.18 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7113.26 | 231.88 | 30.75 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 7013.38 | 231.88 | 30.31 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6913.51 | 231.88 | 29.88 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6813.65 | 231.88 | 29.45 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6713.78 | 231.89 | 29.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 29 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 MASH [ft] | Sep Ratio | ACR Status |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6613.92 | 231.90 | 28.59 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6514.07 | 231.91 | 28.15 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6414.22 | 231.93 | 27.72 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6314.37 | 231.95 | 27.28 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6214.53 | 231.98 | 26.85 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6114.69 | 232.01 | 26.41 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 6014.86 | 232.05 | 25.98 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5915.04 | 232.09 | 25.54 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5815.22 | 232.13 | 25.11 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5715.41 | 232.19 | 24.67 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5615.60 | 232.25 | 24.23 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5515.80 | 232.31 | 23.80 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5416.01 | 232.38 | 23.36 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5316.23 | 232.46 | 22.92 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5216.45 | 232.55 | 22.48 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5116.68 | 232.65 | 22.04 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 5016.93 | 232.76 | 21.60 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4917.18 | 232.88 | 21.16 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4817.44 | 233.01 | 20.72 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4717.72 | 233.16 | 20.28 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4618.00 | 233.31 | 19.84 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4518.30 | 233.49 | 19.39 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4418.62 | 233.68 | 18.95 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4318.94 | 233.88 | 18.51 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4219.28 | 234.11 | 18.06 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4119.64 | 234.36 | 17.62 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 4020.02 | 234.63 | 17.17 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3920.42 | 234.94 | 16.72 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3820.83 | 235.26 | 16.28 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3721.27 | 235.63 | 15.83 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 30 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3621.73 | 236.03 | 15.38 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3522.22 | 236.46 | 14.93 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3422.74 | 236.95 | 14.48 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3323.29 | 237.48 | 14.02 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3223.87 | 238.07 | 13.57 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3124.49 | 238.72 | 13.12 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 3025.15 | 239.44 | 12.66 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2925.86 | 240.24 | 12.20 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2826.62 | 241.12 | 11.75 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2727.43 | 242.11 | 11.29 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2628.30 | 243.21 | 10.83 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2529.24 | 244.44 | 10.37 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2430.26 | 245.81 | 9.91 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2331.36 | 247.35 | 9.44 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2232.57 | 249.09 | 8.98 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2133.88 | 251.04 | 8.52 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 2035.33 | 253.25 | 8.05 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1936.92 | 255.75 | 7.59 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1838.68 | 258.60 | 7.12 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1740.65 | 261.86 | 6.66 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1642.85 | 265.59 | 6.20 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1545.34 | 269.90 | 5.74 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1448.16 | 274.88 | 5.28 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1351.39 | 280.68 | 4.82 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1255.13 | 287.49 | 4.37 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1159.51 | 295.53 | 3.93 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 1064.69 | 305.11 | 3.49 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 970.91 | 316.61 | 3.07 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 878.50 | 330.57 | 2.66 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 787.95 | 347.67 | 2.27 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 31 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) Well: ETTER #30-32 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 699.97 | 368.82 | 1.90 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 615.68 | 395.11 | 1.56 | PASS |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 536.81 | 427.64 | 1.26 | PASS |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 466.11 | 466.80 | 1.00 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 407.87 | 510.26 | 0.80 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 368.05 | 549.63 | 0.67 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 352.93 | 570.31 | 0.62 | FAIL |
| 15229.12† | 7097.00 | -1113.24 | -7006.56 | 7080.36 | 7097.36 | -760.80 | -7024.67 | 90.06 | 352.90 | 570.57 | 0.62 | FAIL |
| 15236.64† | 7097.00 | -1113.62 | -7014.06 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 352.98 | 570.89 | 0.62 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 365.60 | 562.51 | 0.65 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 403.44 | 532.71 | 0.76 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 460.28 | 495.14 | 0.93 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 530.06 | 459.33 | 1.15 | PASS |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 608.33 | 428.67 | 1.42 | PASS |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 692.22 | 403.44 | 1.72 | PASS |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 779.91 | 382.88 | 2.04 | PASS |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 7080.00 | 7097.00 | -760.80 | -7024.67 | 90.00 | 812.67 | 375.99 | 2.16 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 12.25in Open Hole | 0.00 | 367.00 | 367.00 | -8.00 | 359.00 | -463.18 | -4282.30 | -463.18 | -4282.30 |
| 8.625in Casing Surface | 0.00 | 367.00 | 367.00 | -8.00 | 359.00 | -463.18 | -4282.30 | -463.18 | -4282.30 |
| 7.875in Open Hole | 367.00 | 7182.00 | 6815.00 | 359.00 | 7174.00 | -463.18 | -4282.30 | -463.18 | -4282.30 |
| 4.5in Casing Production | 0.00 | 7182.00 | 7182.00 | -8.00 | 7174.00 | -463.18 | -4282.30 | -463.18 | -4282.30 |

WELLPATH COMPOSITION - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|---|------------------|
| 0.00 | 7240.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7240' FROM CO WEBSITE> | ETTER #30-32 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ETTER #30-32 AWB Offset Wellpath: ETTER #30-32 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 EX:ETTER #30-32 (1980'FSL & 803'FWL SEC.30, 7240'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -40.07 | -0.31 | -179.56 | 40.08 | 1.72 | 64.92 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -40.07 | -0.31 | -179.56 | 40.08 | 2.04 | 42.34 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -40.07 | -0.31 | -179.56 | 40.08 | 2.61 | 26.18 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | -40.07 | -0.31 | -179.56 | 40.08 | 3.22 | 18.63 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | -40.07 | -0.31 | -179.56 | 40.08 | 3.83 | 14.40 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | -40.07 | -0.31 | -179.56 | 40.08 | 4.45 | 11.72 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | -40.07 | -0.31 | -179.56 | 40.08 | 5.07 | 9.87 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | -40.07 | -0.31 | -179.56 | 40.08 | 5.70 | 8.52 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | -40.07 | -0.31 | -179.56 | 40.08 | 6.32 | 7.50 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 924.36 | 924.35 | -40.66 | 0.46 | -179.36 | 40.67 | 6.96 | 6.78 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1023.33 | 1023.22 | -43.26 | 3.85 | 174.91 | 43.47 | 7.72 | 6.42 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1121.88 | 1121.48 | -47.92 | 9.92 | 168.30 | 49.06 | 8.60 | 6.41 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1146.43 | 1145.90 | -49.39 | 11.85 | 166.51 | 50.96 | 8.83 | 6.47 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1219.91 | 1218.89 | -54.58 | 18.62 | 46.05 | 57.31 | 9.53 | 6.69 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1317.58 | 1315.51 | -63.23 | 29.91 | 41.62 | 66.55 | 10.53 | 6.96 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1414.90 | 1411.25 | -73.84 | 43.76 | 38.73 | 76.38 | 11.58 | 7.20 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1511.87 | 1505.99 | -86.37 | 60.11 | 36.91 | 86.63 | 12.58 | 7.46 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1608.48 | 1599.65 | -100.79 | 78.93 | 35.83 | 97.18 | 13.57 | 7.72 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1704.74 | 1692.12 | -117.05 | 100.16 | 35.29 | 107.99 | 13.81 | 8.19 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1803.74 | 1786.60 | -135.02 | 123.61 | 35.38 | 117.93 | 14.12 | 8.74 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1903.45 | 1881.75 | -153.15 | 147.26 | 36.39 | 125.08 | 14.49 | 9.03 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1927.26 | 1904.48 | -157.47 | 152.91 | 36.76 | 126.39 | 14.56 | 9.07 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2003.24 | 1976.99 | -171.28 | 170.94 | 38.02 | 130.33 | 14.82 | 9.18 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2103.04 | 2072.23 | -189.42 | 194.61 | 39.56 | 135.59 | 15.27 | 9.27 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2202.84 | 2167.46 | -207.56 | 218.28 | 40.99 | 140.95 | 15.83 | 9.27 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2302.63 | 2262.70 | -225.70 | 241.95 | 42.31 | 146.38 | 16.49 | 9.23 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2402.43 | 2357.94 | -243.83 | 265.62 | 43.53 | 151.89 | 17.28 | 9.12 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2502.23 | 2453.18 | -261.97 | 289.30 | 44.67 | 157.46 | 18.14 | 8.99 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2602.03 | 2548.41 | -280.11 | 312.97 | 45.73 | 163.09 | 19.08 | 8.84 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2701.82 | 2643.65 | -298.25 | 336.64 | 46.72 | 168.77 | 20.08 | 8.68 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 34 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2801.62 | 2738.89 | -316.39 | 360.31 | 47.64 | 174.50 | 21.13 | 8.51 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2901.42 | 2834.13 | -334.52 | 383.99 | 48.51 | 180.27 | 22.24 | 8.34 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3001.22 | 2929.36 | -352.66 | 407.66 | 49.32 | 186.08 | 23.39 | 8.17 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3101.01 | 3024.60 | -370.80 | 431.33 | 50.08 | 191.92 | 24.57 | 8.01 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3200.81 | 3119.84 | -388.94 | 455.00 | 50.80 | 197.80 | 25.79 | 7.86 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3300.61 | 3215.08 | -407.08 | 478.68 | 51.48 | 203.70 | 27.03 | 7.71 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3400.41 | 3310.31 | -425.21 | 502.35 | 52.12 | 209.64 | 28.30 | 7.57 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3500.20 | 3405.55 | -443.35 | 526.02 | 52.72 | 215.59 | 29.59 | 7.44 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3600.00 | 3500.79 | -461.49 | 549.69 | 53.29 | 221.57 | 30.89 | 7.32 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3699.80 | 3596.03 | -479.63 | 573.36 | 53.83 | 227.57 | 32.22 | 7.20 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3799.60 | 3691.26 | -497.77 | 597.04 | 54.34 | 233.59 | 33.56 | 7.09 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3899.39 | 3786.50 | -515.90 | 620.71 | 54.83 | 239.63 | 34.91 | 6.99 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3999.19 | 3881.74 | -534.04 | 644.38 | 55.29 | 245.68 | 36.27 | 6.89 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4098.99 | 3976.98 | -552.18 | 668.05 | 55.73 | 251.75 | 37.64 | 6.80 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4198.79 | 4072.21 | -570.32 | 691.73 | 56.15 | 257.83 | 39.02 | 6.71 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4298.58 | 4167.45 | -588.45 | 715.40 | 56.55 | 263.93 | 40.41 | 6.63 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4398.38 | 4262.69 | -606.59 | 739.07 | 56.94 | 270.04 | 41.81 | 6.55 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4498.18 | 4357.92 | -624.73 | 762.74 | 57.30 | 276.15 | 43.22 | 6.48 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4597.98 | 4453.16 | -642.87 | 786.42 | 57.65 | 282.28 | 44.63 | 6.41 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4697.77 | 4548.40 | -661.01 | 810.09 | 57.98 | 288.42 | 46.04 | 6.35 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4797.57 | 4643.64 | -679.14 | 833.76 | 58.31 | 294.57 | 47.46 | 6.29 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4897.37 | 4738.87 | -697.28 | 857.43 | 58.61 | 300.73 | 48.89 | 6.23 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4997.17 | 4834.11 | -715.42 | 881.10 | 58.91 | 306.90 | 50.32 | 6.17 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5096.96 | 4929.35 | -733.56 | 904.78 | 59.19 | 313.07 | 51.75 | 6.12 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5196.76 | 5024.59 | -751.70 | 928.45 | 59.46 | 319.26 | 53.19 | 6.07 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5296.56 | 5119.82 | -769.83 | 952.12 | 59.73 | 325.44 | 54.63 | 6.02 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5396.36 | 5215.06 | -787.97 | 975.79 | 59.98 | 331.64 | 56.07 | 5.98 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5496.15 | 5310.30 | -806.11 | 999.47 | 60.22 | 337.84 | 57.51 | 5.93 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5595.95 | 5405.54 | -824.25 | 1023.14 | 60.46 | 344.05 | 58.96 | 5.89 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5695.75 | 5500.77 | -842.39 | 1046.81 | 60.68 | 350.26 | 60.41 | 5.85 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 35 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5795.55 | 5596.01 | -860.52 | 1070.48 | 60.90 | 356.48 | 61.87 | 5.82 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5895.34 | 5691.25 | -878.66 | 1094.16 | 61.11 | 362.70 | 63.32 | 5.78 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5995.14 | 5786.49 | -896.80 | 1117.83 | 61.32 | 368.93 | 64.78 | 5.75 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6094.94 | 5881.72 | -914.94 | 1141.50 | 61.51 | 375.16 | 66.24 | 5.71 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6194.74 | 5976.96 | -933.07 | 1165.17 | 61.70 | 381.40 | 67.70 | 5.68 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6294.53 | 6072.20 | -951.21 | 1188.85 | 61.89 | 387.64 | 69.16 | 5.65 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6366.71 | 6141.20 | -964.39 | 1205.39 | 62.10 | 392.23 | 70.21 | 5.63 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6392.74 | 6166.33 | -969.26 | 1210.07 | 58.25 | 393.98 | 70.60 | 5.63 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6489.16 | 6260.40 | -987.99 | 1219.26 | 29.22 | 400.66 | 71.78 | 5.63 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6584.96 | 6354.08 | -1007.36 | 1215.58 | -23.62 | 407.49 | 72.77 | 5.65 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6680.24 | 6445.80 | -1027.05 | 1199.31 | -51.66 | 414.34 | 73.72 | 5.67 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6775.10 | 6534.06 | -1046.73 | 1170.92 | -62.13 | 421.04 | 74.76 | 5.68 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6869.63 | 6617.47 | -1066.06 | 1131.02 | -66.87 | 427.46 | 74.87 | 5.75 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6963.93 | 6694.69 | -1084.75 | 1080.34 | -69.37 | 433.46 | 77.96 | 5.60 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7058.11 | 6764.52 | -1102.48 | 1019.78 | -70.84 | 438.92 | 80.44 | 5.50 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7152.27 | 6825.83 | -1118.98 | 950.34 | -71.80 | 443.73 | 83.60 | 5.34 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7246.50 | 6877.63 | -1133.97 | 873.15 | -72.48 | 447.80 | 87.44 | 5.15 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7340.89 | 6919.02 | -1147.20 | 789.43 | -73.03 | 451.07 | 91.87 | 4.94 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7435.54 | 6949.26 | -1158.45 | 700.53 | -73.51 | 453.46 | 96.75 | 4.71 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7530.51 | 6967.73 | -1167.50 | 607.88 | -73.95 | 454.96 | 101.92 | 4.49 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7600.05 | 6973.53 | -1172.62 | 538.80 | -74.27 | 455.47 | 105.78 | 4.33 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7625.91 | 6974.00 | -1174.18 | 513.00 | -74.34 | 455.61 | 107.22 | 4.27 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7725.89 | 6974.00 | -1179.86 | 413.18 | -74.36 | 456.24 | 112.91 | 4.06 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7825.89 | 6974.00 | -1185.55 | 313.34 | -74.38 | 456.88 | 119.01 | 3.86 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7925.89 | 6974.00 | -1191.23 | 213.50 | -74.40 | 457.51 | 125.44 | 3.66 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 8025.88 | 6974.00 | -1196.91 | 113.67 | -74.43 | 458.15 | 132.16 | 3.48 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8125.88 | 6974.00 | -1202.59 | 13.83 | -74.45 | 458.78 | 139.12 | 3.31 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8225.88 | 6974.00 | -1208.27 | -86.00 | -74.47 | 459.41 | 146.29 | 3.15 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8325.88 | 6974.00 | -1213.96 | -185.84 | -74.49 | 460.05 | 153.64 | 3.00 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8425.87 | 6974.00 | -1219.64 | -285.68 | -74.51 | 460.68 | 161.14 | 2.87 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8525.87 | 6974.00 | -1225.32 | -385.51 | -74.54 | 461.32 | 168.78 | 2.74 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8625.87 | 6974.00 | -1231.00 | -485.35 | -74.56 | 461.95 | 176.54 | 2.62 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8725.87 | 6974.00 | -1236.68 | -585.19 | -74.58 | 462.59 | 184.40 | 2.51 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8825.87 | 6974.00 | -1242.37 | -685.02 | -74.60 | 463.22 | 192.35 | 2.41 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8925.86 | 6974.00 | -1248.05 | -784.86 | -74.62 | 463.86 | 200.38 | 2.32 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 9025.86 | 6974.00 | -1253.73 | -884.69 | -74.64 | 464.49 | 208.49 | 2.23 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9125.86 | 6974.00 | -1259.41 | -984.53 | -74.67 | 465.13 | 216.65 | 2.15 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9225.86 | 6974.00 | -1265.09 | -1084.37 | -74.69 | 465.76 | 224.87 | 2.07 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9325.85 | 6974.00 | -1270.78 | -1184.20 | -74.71 | 466.40 | 233.15 | 2.00 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9425.85 | 6974.00 | -1276.46 | -1284.04 | -74.73 | 467.03 | 241.46 | 1.94 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9525.85 | 6974.00 | -1282.14 | -1383.88 | -74.75 | 467.67 | 249.82 | 1.87 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9625.85 | 6974.00 | -1287.82 | -1483.71 | -74.77 | 468.30 | 258.22 | 1.82 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9725.85 | 6974.00 | -1293.50 | -1583.55 | -74.79 | 468.94 | 266.65 | 1.76 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9825.84 | 6974.00 | -1299.19 | -1683.38 | -74.82 | 469.58 | 275.11 | 1.71 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9925.84 | 6974.00 | -1304.87 | -1783.22 | -74.84 | 470.21 | 283.60 | 1.66 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 10025.84 | 6974.00 | -1310.55 | -1883.06 | -74.86 | 470.85 | 292.12 | 1.61 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10125.84 | 6974.00 | -1316.23 | -1982.89 | -74.88 | 471.48 | 300.66 | 1.57 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10225.84 | 6974.00 | -1321.91 | -2082.73 | -74.90 | 472.12 | 309.22 | 1.53 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10325.83 | 6974.00 | -1327.60 | -2182.57 | -74.92 | 472.75 | 317.80 | 1.49 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10425.83 | 6974.00 | -1333.28 | -2282.40 | -74.94 | 473.39 | 326.40 | 1.45 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10525.83 | 6974.00 | -1338.96 | -2382.24 | -74.96 | 474.03 | 335.02 | 1.42 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10625.83 | 6974.00 | -1344.64 | -2482.07 | -74.98 | 474.66 | 343.66 | 1.38 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10725.82 | 6974.00 | -1350.32 | -2581.91 | -75.00 | 475.30 | 352.31 | 1.35 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10825.82 | 6974.00 | -1356.01 | -2681.75 | -75.02 | 475.93 | 360.97 | 1.32 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10925.82 | 6974.00 | -1361.69 | -2781.58 | -75.04 | 476.57 | 369.65 | 1.29 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 11025.82 | 6974.00 | -1367.37 | -2881.42 | -75.06 | 477.21 | 378.34 | 1.26 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11125.82 | 6974.00 | -1373.05 | -2981.26 | -75.08 | 477.84 | 387.04 | 1.24 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11225.81 | 6974.00 | -1378.73 | -3081.09 | -75.10 | 478.48 | 395.76 | 1.21 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11325.81 | 6974.00 | -1384.42 | -3180.93 | -75.12 | 479.12 | 404.48 | 1.18 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11425.81 | 6974.00 | -1390.10 | -3280.76 | -75.14 | 479.75 | 413.21 | 1.16 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11525.81 | 6974.00 | -1395.78 | -3380.60 | -75.16 | 480.39 | 421.96 | 1.14 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11625.80 | 6974.00 | -1401.46 | -3480.44 | -75.18 | 481.03 | 430.71 | 1.12 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11725.80 | 6974.00 | -1407.14 | -3580.27 | -75.20 | 481.66 | 439.47 | 1.10 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11825.80 | 6974.00 | -1412.83 | -3680.11 | -75.22 | 482.30 | 448.24 | 1.08 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11925.80 | 6974.00 | -1418.51 | -3779.95 | -75.24 | 482.94 | 457.01 | 1.06 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 12025.80 | 6974.00 | -1424.19 | -3879.78 | -75.26 | 483.57 | 465.80 | 1.04 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12125.79 | 6974.00 | -1429.87 | -3979.62 | -75.28 | 484.21 | 474.58 | 1.02 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12225.79 | 6974.00 | -1435.55 | -4079.45 | -75.30 | 484.85 | 483.38 | 1.00 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12325.79 | 6974.00 | -1441.24 | -4179.29 | -75.32 | 485.48 | 492.18 | 0.99 | FAIL |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12425.79 | 6974.00 | -1446.92 | -4279.13 | -75.34 | 486.12 | 500.99 | 0.97 | FAIL |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12525.79 | 6974.00 | -1452.60 | -4378.96 | -75.36 | 486.76 | 509.81 | 0.95 | FAIL |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12625.78 | 6974.00 | -1458.28 | -4478.80 | -75.38 | 487.40 | 518.63 | 0.94 | FAIL |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12725.78 | 6974.00 | -1463.96 | -4578.64 | -75.40 | 488.03 | 527.45 | 0.93 | FAIL |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12825.78 | 6974.00 | -1469.65 | -4678.47 | -75.42 | 488.67 | 536.28 | 0.91 | FAIL |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12925.78 | 6974.00 | -1475.33 | -4778.31 | -75.44 | 489.31 | 545.12 | 0.90 | FAIL |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 13025.77 | 6974.00 | -1481.01 | -4878.14 | -75.46 | 489.95 | 553.96 | 0.88 | FAIL |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13125.77 | 6974.00 | -1486.69 | -4977.98 | -75.48 | 490.58 | 562.80 | 0.87 | FAIL |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13225.77 | 6974.00 | -1492.38 | -5077.82 | -75.50 | 491.22 | 571.65 | 0.86 | FAIL |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13325.77 | 6974.00 | -1498.06 | -5177.65 | -75.52 | 491.86 | 580.51 | 0.85 | FAIL |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13425.77 | 6974.00 | -1503.74 | -5277.49 | -75.54 | 492.50 | 589.37 | 0.84 | FAIL |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13525.76 | 6974.00 | -1509.42 | -5377.33 | -75.56 | 493.13 | 598.23 | 0.82 | FAIL |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13625.76 | 6974.00 | -1515.10 | -5477.16 | -75.58 | 493.77 | 607.09 | 0.81 | FAIL |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13725.76 | 6974.00 | -1520.79 | -5577.00 | -75.59 | 494.41 | 615.96 | 0.80 | FAIL |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13825.76 | 6974.00 | -1526.47 | -5676.84 | -75.61 | 495.05 | 624.83 | 0.79 | FAIL |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13925.76 | 6974.00 | -1532.15 | -5776.67 | -75.63 | 495.69 | 633.71 | 0.78 | FAIL |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 14025.75 | 6974.00 | -1537.83 | -5876.51 | -75.65 | 496.32 | 642.59 | 0.77 | FAIL |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14125.75 | 6974.00 | -1543.51 | -5976.34 | -75.67 | 496.96 | 651.47 | 0.76 | FAIL |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14225.75 | 6974.00 | -1549.20 | -6076.18 | -75.69 | 497.60 | 660.36 | 0.75 | FAIL |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14325.75 | 6974.00 | -1554.88 | -6176.02 | -75.71 | 498.24 | 669.25 | 0.74 | FAIL |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14425.74 | 6974.00 | -1560.56 | -6275.85 | -75.73 | 498.88 | 678.14 | 0.74 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#20 GOETZEL 13N-30C-M (2177'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30C-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14525.74 | 6974.00 | -1566.24 | -6375.69 | -75.75 | 499.51 | 687.04 | 0.73 | FAIL |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14625.74 | 6974.00 | -1571.92 | -6475.53 | -75.76 | 500.15 | 695.94 | 0.72 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14725.74 | 6974.00 | -1577.61 | -6575.36 | -75.78 | 500.79 | 704.84 | 0.71 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14825.74 | 6974.00 | -1583.29 | -6675.20 | -75.80 | 501.43 | 713.75 | 0.70 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14925.73 | 6974.00 | -1588.97 | -6775.03 | -75.82 | 502.07 | 722.65 | 0.69 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 15025.73 | 6974.00 | -1594.65 | -6874.87 | -75.84 | 502.71 | 731.56 | 0.69 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15125.73 | 6974.00 | -1600.33 | -6974.71 | -75.86 | 503.35 | 740.47 | 0.68 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15225.73 | 6974.00 | -1606.02 | -7074.54 | -75.87 | 503.98 | 749.39 | 0.67 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15325.72 | 6974.00 | -1611.70 | -7174.38 | -75.89 | 504.62 | 758.31 | 0.67 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15425.72 | 6974.00 | -1617.38 | -7274.22 | -75.91 | 505.26 | 767.23 | 0.66 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15525.72 | 6974.00 | -1623.06 | -7374.05 | -75.93 | 505.90 | 776.15 | 0.65 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15625.72 | 6974.00 | -1628.74 | -7473.89 | -75.95 | 506.54 | 785.07 | 0.64 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15725.72 | 6974.00 | -1634.43 | -7573.72 | -75.96 | 507.18 | 794.00 | 0.64 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15825.71 | 6974.00 | -1640.11 | -7673.56 | -75.98 | 507.82 | 802.93 | 0.63 | FAIL |
| 15961.00† | 7097.00 | -1150.02 | -7737.51 | 15861.71 | 6974.00 | -1642.15 | -7709.50 | -75.99 | 508.05 | 806.14 | 0.63 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15862.25 | 6974.00 | -1642.18 | -7710.04 | -75.99 | 508.05 | 805.84 | 0.63 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1687.58 | -24.43 | -0.19 | -47.63 | 30.10 |
| 8.5in Open Hole | 1700.00 | 15888.00 | 14188.00 | 1687.58 | 6974.00 | -47.63 | 30.10 | -513.20 | -2357.95 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP | | | | |
|---|----------------|---|------------------|-----------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 13N-30C-M PWB |
| 1700.00 | 15888.79 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 13N-30C-M PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 13N-30C-M PWB Offset Wellpath: GOETZEL 13N-30C-M REV-A.0 PWP | |
|--|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) Well: FIRESTIEN #30-45 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 50.13 | 76.58 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 100.00 | 125.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 52.43 | 73.15 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 200.00 | 225.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 54.74 | 70.02 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 300.00 | 325.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 57.05 | 67.13 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 400.00 | 425.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 59.36 | 64.47 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 500.00 | 525.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 61.51 | 62.02 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 600.00 | 625.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 63.83 | 59.73 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 700.00 | 725.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 66.16 | 57.61 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 800.00 | 825.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 68.49 | 55.62 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 900.00 | 925.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 70.83 | 53.77 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1000.00 | 1025.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 73.17 | 52.03 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1100.00 | 1125.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 75.51 | 50.40 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1125.00 | 1150.00 | -1212.20 | -3568.62 | -108.76 | 3768.89 | 76.10 | 50.01 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1199.99 | 1224.99 | -1212.20 | -3568.62 | 135.53 | 3769.59 | 77.86 | 48.88 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1299.89 | 1324.89 | -1212.20 | -3568.62 | 135.53 | 3772.70 | 80.23 | 47.46 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1399.58 | 1424.58 | -1212.20 | -3568.62 | 135.53 | 3778.31 | 82.61 | 46.15 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1498.93 | 1523.93 | -1212.20 | -3568.62 | 135.54 | 3786.41 | 84.99 | 44.94 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1597.83 | 1622.83 | -1212.20 | -3568.62 | 135.55 | 3797.02 | 87.37 | 43.83 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1696.15 | 1721.15 | -1212.20 | -3568.62 | 135.55 | 3810.14 | 89.50 | 42.82 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1793.77 | 1818.77 | -1212.20 | -3568.62 | 135.55 | 3825.77 | 91.80 | 41.92 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1890.58 | 1915.58 | -1212.20 | -3568.62 | 135.55 | 3843.93 | 94.10 | 41.08 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1913.55 | 1938.55 | -1212.20 | -3568.62 | 135.55 | 3848.63 | 94.64 | 40.89 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1986.75 | 2011.75 | -1212.20 | -3568.62 | 135.77 | 3863.91 | 96.37 | 40.32 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2082.88 | 2107.88 | -1212.20 | -3568.62 | 136.04 | 3884.05 | 98.65 | 39.58 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2179.02 | 2204.02 | -1212.20 | -3568.62 | 136.32 | 3904.28 | 100.96 | 38.88 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2275.16 | 2300.16 | -1212.20 | -3568.62 | 136.59 | 3924.60 | 103.28 | 38.20 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2371.29 | 2396.29 | -1212.20 | -3568.62 | 136.86 | 3945.01 | 105.61 | 37.54 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2467.43 | 2492.43 | -1212.20 | -3568.62 | 137.13 | 3965.50 | 107.97 | 36.91 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2563.57 | 2588.57 | -1212.20 | -3568.62 | 137.39 | 3986.08 | 110.33 | 36.30 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2659.71 | 2684.71 | -1212.20 | -3568.62 | 137.66 | 4006.74 | 112.72 | 35.71 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) Well: FIRESTIEN #30-45 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2755.84 | 2780.84 | -1212.20 | -3568.62 | 137.91 | 4027.49 | 115.12 | 35.15 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2851.98 | 2876.98 | -1212.20 | -3568.62 | 138.17 | 4048.31 | 117.53 | 34.60 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2948.12 | 2973.12 | -1212.20 | -3568.62 | 138.43 | 4069.21 | 119.96 | 34.07 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3044.25 | 3069.25 | -1212.20 | -3568.62 | 138.68 | 4090.20 | 122.40 | 33.56 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3140.39 | 3165.39 | -1212.20 | -3568.62 | 138.93 | 4111.26 | 124.86 | 33.07 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3236.53 | 3261.53 | -1212.20 | -3568.62 | 139.17 | 4132.39 | 127.32 | 32.59 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3332.67 | 3357.67 | -1212.20 | -3568.62 | 139.42 | 4153.60 | 129.80 | 32.13 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3428.80 | 3453.80 | -1212.20 | -3568.62 | 139.66 | 4174.89 | 132.30 | 31.68 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3524.94 | 3549.94 | -1212.20 | -3568.62 | 139.90 | 4196.25 | 134.80 | 31.25 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3621.08 | 3646.08 | -1212.20 | -3568.62 | 140.14 | 4217.68 | 137.32 | 30.83 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3717.21 | 3742.21 | -1212.20 | -3568.62 | 140.37 | 4239.17 | 139.84 | 30.43 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3813.35 | 3838.35 | -1212.20 | -3568.62 | 140.60 | 4260.74 | 142.38 | 30.04 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3909.49 | 3934.49 | -1212.20 | -3568.62 | 140.83 | 4282.38 | 144.92 | 29.66 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4005.63 | 4030.63 | -1212.20 | -3568.62 | 141.06 | 4304.08 | 147.48 | 29.29 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4101.76 | 4126.76 | -1212.20 | -3568.62 | 141.29 | 4325.85 | 150.04 | 28.93 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4197.90 | 4222.90 | -1212.20 | -3568.62 | 141.51 | 4347.69 | 152.62 | 28.59 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4294.04 | 4319.04 | -1212.20 | -3568.62 | 141.73 | 4369.59 | 155.20 | 28.25 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4390.17 | 4415.17 | -1212.20 | -3568.62 | 141.95 | 4391.55 | 157.79 | 27.92 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4486.31 | 4511.31 | -1212.20 | -3568.62 | 142.17 | 4413.58 | 160.39 | 27.61 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4582.45 | 4607.45 | -1212.20 | -3568.62 | 142.38 | 4435.66 | 162.99 | 27.30 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4678.58 | 4703.58 | -1212.20 | -3568.62 | 142.60 | 4457.81 | 165.60 | 27.00 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4774.72 | 4799.72 | -1212.20 | -3568.62 | 142.81 | 4480.02 | 168.22 | 26.71 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4870.86 | 4895.86 | -1212.20 | -3568.62 | 143.01 | 4502.29 | 170.85 | 26.43 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4967.00 | 4992.00 | -1212.20 | -3568.62 | 143.22 | 4524.61 | 173.48 | 26.16 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5063.13 | 5088.13 | -1212.20 | -3568.62 | 143.43 | 4546.99 | 176.12 | 25.89 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5159.27 | 5184.27 | -1212.20 | -3568.62 | 143.63 | 4569.43 | 178.76 | 25.64 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5255.41 | 5280.41 | -1212.20 | -3568.62 | 143.83 | 4591.92 | 181.41 | 25.39 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5351.54 | 5376.54 | -1212.20 | -3568.62 | 144.03 | 4614.47 | 184.06 | 25.14 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5447.68 | 5472.68 | -1212.20 | -3568.62 | 144.23 | 4637.07 | 186.72 | 24.90 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5543.82 | 5568.82 | -1212.20 | -3568.62 | 144.42 | 4659.72 | 189.39 | 24.67 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) Well: FIRESTIEN #30-45 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5639.96 | 5664.96 | -1212.20 | -3568.62 | 144.62 | 4682.43 | 192.05 | 24.45 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5736.09 | 5761.09 | -1212.20 | -3568.62 | 144.81 | 4705.18 | 194.73 | 24.23 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5832.23 | 5857.23 | -1212.20 | -3568.62 | 145.00 | 4727.99 | 197.40 | 24.01 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5928.37 | 5953.37 | -1212.20 | -3568.62 | 145.19 | 4750.85 | 200.08 | 23.81 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6024.50 | 6049.50 | -1212.20 | -3568.62 | 145.37 | 4773.76 | 202.77 | 23.60 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6120.64 | 6145.64 | -1212.20 | -3568.62 | 145.56 | 4796.71 | 205.46 | 23.41 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6190.94 | 6215.94 | -1212.20 | -3568.62 | 145.69 | 4813.53 | 207.43 | 23.26 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6216.89 | 6241.89 | -1212.20 | -3568.62 | 141.58 | 4819.23 | 208.15 | 23.21 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6314.96 | 6339.96 | -1212.20 | -3568.62 | 111.60 | 4831.74 | 210.93 | 22.96 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6413.96 | 6438.96 | -1212.20 | -3568.62 | 57.81 | 4830.42 | 213.93 | 22.63 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6511.95 | 6536.95 | -1212.20 | -3568.62 | 28.82 | 4815.28 | 216.92 | 22.25 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6607.03 | 6632.03 | -1212.20 | -3568.62 | 17.43 | 4786.61 | 219.85 | 21.82 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6697.35 | 6722.35 | -1212.20 | -3568.62 | 11.78 | 4744.95 | 222.51 | 21.37 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6781.15 | 6806.15 | -1212.20 | -3568.62 | 8.37 | 4691.11 | 224.88 | 20.91 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6856.80 | 6881.80 | -1212.20 | -3568.62 | 5.94 | 4626.12 | 226.94 | 20.43 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6922.83 | 6947.83 | -1212.20 | -3568.62 | 3.85 | 4551.25 | 228.69 | 19.95 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6977.95 | 7002.95 | -1212.20 | -3568.62 | 1.63 | 4467.94 | 230.10 | 19.46 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7021.09 | 7046.09 | -1212.20 | -3568.62 | -1.45 | 4377.81 | 231.17 | 18.98 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7051.41 | 7076.41 | -1212.20 | -3568.62 | -7.38 | 4282.62 | 231.91 | 18.51 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7068.32 | 7093.32 | -1212.20 | -3568.62 | -26.96 | 4184.23 | 232.32 | 18.05 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 4111.53 | 232.43 | 17.73 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 4084.54 | 232.44 | 17.61 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3984.77 | 232.49 | 17.18 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3885.00 | 232.54 | 16.74 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3785.26 | 232.60 | 16.31 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3685.52 | 232.67 | 15.87 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3585.80 | 232.75 | 15.44 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3486.09 | 232.84 | 15.00 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3386.41 | 232.94 | 14.57 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3286.74 | 233.05 | 14.13 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) Well: FIRESTIEN #30-45 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3187.09 | 233.18 | 13.70 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 3087.47 | 233.33 | 13.26 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2987.87 | 233.49 | 12.82 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2888.30 | 233.68 | 12.39 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2788.76 | 233.89 | 11.95 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2689.25 | 234.13 | 11.51 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2589.78 | 234.40 | 11.07 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2490.35 | 234.71 | 10.63 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2390.97 | 235.07 | 10.19 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2291.65 | 235.48 | 9.75 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2192.39 | 235.94 | 9.31 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 2093.19 | 236.49 | 8.87 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1994.08 | 237.12 | 8.43 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1895.06 | 237.85 | 7.98 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1796.15 | 238.70 | 7.54 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1697.37 | 239.71 | 7.09 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1598.74 | 240.91 | 6.65 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1500.28 | 242.34 | 6.20 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1402.05 | 244.05 | 5.76 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1304.09 | 246.13 | 5.31 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1206.46 | 248.66 | 4.86 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1109.26 | 251.78 | 4.41 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 1012.60 | 255.67 | 3.97 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 916.65 | 260.57 | 3.52 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 821.68 | 266.84 | 3.08 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 728.05 | 274.95 | 2.65 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 636.36 | 285.62 | 2.23 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 547.59 | 299.85 | 1.83 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 463.42 | 319.00 | 1.45 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 386.85 | 344.38 | 1.12 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 44 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) Well: FIRESTIEN #30-45 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 323.35 | 375.50 | 0.86 | FAIL |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 281.87 | 404.75 | 0.70 | FAIL |
| 11800.32† | 7097.00 | -940.96 | -3582.09 | 7071.52 | 7096.52 | -1212.20 | -3568.62 | -89.90 | 271.58 | 415.08 | 0.65 | FAIL |
| 11804.29† | 7097.00 | -941.16 | -3586.05 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 271.60 | 415.19 | 0.65 | FAIL |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 272.68 | 415.00 | 0.66 | FAIL |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 298.75 | 398.94 | 0.75 | FAIL |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 352.35 | 370.90 | 0.95 | FAIL |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 423.15 | 344.35 | 1.23 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 503.94 | 323.23 | 1.56 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 590.64 | 307.16 | 1.92 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 680.99 | 294.97 | 2.31 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 773.73 | 285.60 | 2.71 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 868.07 | 278.29 | 3.12 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7072.00 | 7097.00 | -1212.20 | -3568.62 | -90.00 | 963.56 | 272.49 | 3.54 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 12.25in Open Hole | 0.00 | 441.00 | 441.00 | 0.00 | 441.00 | -738.80 | -2175.48 | -738.80 | -2175.48 |
| 8.625in Casing Surface | 0.00 | 441.00 | 441.00 | 0.00 | 441.00 | -738.80 | -2175.48 | -738.80 | -2175.48 |
| 7.875in Open Hole | 441.00 | 7224.00 | 6783.00 | 441.00 | 7224.00 | -738.80 | -2175.48 | -738.80 | -2175.48 |
| 4.5in Casing Production | 0.00 | 7224.00 | 7224.00 | 0.00 | 7224.00 | -738.80 | -2175.48 | -738.80 | -2175.48 |

WELLPATH COMPOSITION - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|---|----------------------|
| 0.00 | 7250.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7250' FROM CO WEBSITE> | FIRESTIEN #30-45 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: FIRESTIEN #30-45 AWB Offset Wellpath: FIRESTIEN #30-45 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#06 EX FIRESTIEN #30-45 (1139'FSL & 1504'FEL SEC.30, 7251'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | 40.07 | 0.23 | 0.33 | 40.08 | 1.72 | 64.92 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | 40.07 | 0.23 | 0.33 | 40.08 | 2.04 | 42.46 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | 40.07 | 0.23 | 0.33 | 40.08 | 2.61 | 26.27 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | 40.07 | 0.23 | 0.33 | 40.08 | 3.21 | 18.68 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | 40.07 | 0.23 | 0.33 | 40.08 | 3.82 | 14.43 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | 40.07 | 0.23 | 0.33 | 40.08 | 4.44 | 11.74 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | 40.07 | 0.23 | 0.33 | 40.08 | 5.07 | 9.89 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | 40.07 | 0.23 | 0.33 | 40.08 | 5.69 | 8.53 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | 40.07 | 0.23 | 0.33 | 40.08 | 6.31 | 7.51 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | 40.07 | 0.23 | 0.33 | 40.08 | 6.94 | 6.70 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1025.00 | 1025.00 | 40.07 | 0.23 | 0.33 | 40.08 | 7.57 | 6.05 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1125.00 | 1125.00 | 40.07 | 0.23 | 0.33 | 40.08 | 8.19 | 5.51 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1150.00 | 1150.00 | 40.07 | 0.23 | 0.33 | 40.08 | 8.35 | 5.39 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1224.99 | 1224.99 | 40.07 | 0.23 | -116.63 | 40.51 | 8.82 | 5.12 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1324.89 | 1324.89 | 40.07 | 0.23 | -121.83 | 42.64 | 9.52 | 4.95 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1424.58 | 1424.58 | 40.07 | 0.23 | -129.86 | 47.26 | 10.32 | 5.02 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1524.73 | 1524.72 | 39.88 | 1.19 | -138.01 | 54.67 | 11.20 | 5.31 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1625.41 | 1625.30 | 39.02 | 5.50 | -143.63 | 63.59 | 12.15 | 5.66 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1726.42 | 1725.99 | 37.45 | 13.30 | -147.28 | 73.50 | 12.45 | 6.20 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1827.75 | 1826.66 | 35.18 | 24.62 | -149.55 | 84.12 | 12.94 | 6.82 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1929.40 | 1927.16 | 32.20 | 39.47 | -150.84 | 95.32 | 13.51 | 7.39 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1953.70 | 1951.11 | 31.39 | 43.54 | -151.04 | 98.07 | 13.64 | 7.53 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2031.44 | 2027.46 | 28.51 | 57.89 | -151.26 | 106.12 | 13.99 | 7.94 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2133.97 | 2127.49 | 24.09 | 79.91 | -150.40 | 114.41 | 14.52 | 8.23 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2236.73 | 2226.88 | 18.96 | 105.48 | -148.43 | 120.18 | 15.12 | 8.29 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2338.16 | 2324.10 | 13.27 | 133.82 | -145.57 | 123.91 | 15.76 | 8.19 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2437.90 | 2419.54 | 7.58 | 162.22 | -142.72 | 127.57 | 16.48 | 8.04 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2537.64 | 2514.98 | 1.88 | 190.62 | -140.04 | 131.52 | 17.34 | 7.86 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2637.37 | 2610.42 | -3.82 | 219.02 | -137.52 | 135.75 | 18.31 | 7.67 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2737.11 | 2705.86 | -9.52 | 247.41 | -135.16 | 140.22 | 19.37 | 7.48 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 47 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2836.85 | 2801.30 | -15.21 | 275.81 | -132.95 | 144.92 | 20.53 | 7.27 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2936.59 | 2896.74 | -20.91 | 304.21 | -130.87 | 149.82 | 21.77 | 7.08 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3036.32 | 2992.18 | -26.61 | 332.61 | -128.93 | 154.90 | 23.05 | 6.90 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3136.06 | 3087.62 | -32.30 | 361.01 | -127.12 | 160.15 | 24.39 | 6.73 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3235.80 | 3183.06 | -38.00 | 389.40 | -125.42 | 165.55 | 25.76 | 6.58 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3335.54 | 3278.50 | -43.70 | 417.80 | -123.83 | 171.08 | 27.17 | 6.44 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3435.27 | 3373.93 | -49.40 | 446.20 | -122.34 | 176.74 | 28.61 | 6.31 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3535.01 | 3469.37 | -55.09 | 474.60 | -120.95 | 182.51 | 30.07 | 6.19 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3634.75 | 3564.81 | -60.79 | 502.99 | -119.64 | 188.39 | 31.56 | 6.08 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3734.49 | 3660.25 | -66.49 | 531.39 | -118.41 | 194.35 | 33.05 | 5.99 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3834.22 | 3755.69 | -72.18 | 559.79 | -117.25 | 200.40 | 34.56 | 5.90 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3933.96 | 3851.13 | -77.88 | 588.19 | -116.16 | 206.52 | 36.08 | 5.82 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4033.70 | 3946.57 | -83.58 | 616.58 | -115.13 | 212.72 | 37.61 | 5.74 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4133.44 | 4042.01 | -89.28 | 644.98 | -114.17 | 218.98 | 39.15 | 5.68 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4233.17 | 4137.45 | -94.97 | 673.38 | -113.25 | 225.30 | 40.70 | 5.62 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4332.91 | 4232.89 | -100.67 | 701.78 | -112.39 | 231.67 | 42.25 | 5.56 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4432.65 | 4328.33 | -106.37 | 730.18 | -111.57 | 238.09 | 43.80 | 5.51 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4532.39 | 4423.77 | -112.07 | 758.57 | -110.80 | 244.56 | 45.36 | 5.46 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4632.12 | 4519.21 | -117.76 | 786.97 | -110.07 | 251.07 | 46.92 | 5.42 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4731.86 | 4614.65 | -123.46 | 815.37 | -109.37 | 257.62 | 48.48 | 5.38 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4831.60 | 4710.09 | -129.16 | 843.77 | -108.71 | 264.21 | 50.04 | 5.34 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4931.34 | 4805.53 | -134.85 | 872.16 | -108.08 | 270.82 | 51.61 | 5.31 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 5031.07 | 4900.97 | -140.55 | 900.56 | -107.48 | 277.47 | 53.18 | 5.27 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5130.81 | 4996.41 | -146.25 | 928.96 | -106.90 | 284.15 | 54.75 | 5.25 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5230.55 | 5091.84 | -151.95 | 957.36 | -106.36 | 290.86 | 56.32 | 5.22 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5330.29 | 5187.28 | -157.64 | 985.75 | -105.84 | 297.59 | 57.89 | 5.19 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5430.02 | 5282.72 | -163.34 | 1014.15 | -105.34 | 304.34 | 59.46 | 5.17 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5529.76 | 5378.16 | -169.04 | 1042.55 | -104.86 | 311.12 | 61.03 | 5.15 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5629.50 | 5473.60 | -174.73 | 1070.95 | -104.41 | 317.92 | 62.60 | 5.13 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5729.24 | 5569.04 | -180.43 | 1099.35 | -103.97 | 324.73 | 64.17 | 5.11 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5828.97 | 5664.48 | -186.13 | 1127.74 | -103.55 | 331.57 | 65.75 | 5.09 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5928.71 | 5759.92 | -191.83 | 1156.14 | -103.15 | 338.42 | 67.32 | 5.07 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 6028.45 | 5855.36 | -197.52 | 1184.54 | -102.76 | 345.28 | 68.89 | 5.05 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6134.18 | 5956.91 | -203.65 | 1213.26 | -102.60 | 351.83 | 70.48 | 5.03 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6247.69 | 6068.85 | -211.01 | 1229.77 | -104.69 | 355.08 | 71.69 | 4.99 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6355.00 | 6175.78 | -218.73 | 1228.93 | -109.19 | 355.89 | 72.48 | 4.95 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6427.29 | 6247.18 | -224.26 | 1219.34 | -113.57 | 356.83 | 73.03 | 4.92 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6452.56 | 6271.87 | -226.24 | 1214.29 | -119.54 | 357.65 | 73.17 | 4.93 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6543.47 | 6358.81 | -233.52 | 1189.00 | -156.23 | 363.95 | 73.48 | 4.99 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6630.12 | 6438.05 | -240.61 | 1154.79 | 143.70 | 374.73 | 73.71 | 5.12 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6713.29 | 6509.68 | -247.46 | 1113.16 | 109.01 | 388.92 | 74.12 | 5.29 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6793.64 | 6573.83 | -254.03 | 1065.30 | 92.58 | 405.36 | 74.71 | 5.47 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6871.67 | 6630.61 | -260.28 | 1012.21 | 82.64 | 422.94 | 75.44 | 5.65 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6947.81 | 6680.12 | -266.19 | 954.71 | 75.69 | 440.66 | 76.53 | 5.80 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7022.43 | 6722.45 | -271.73 | 893.55 | 70.52 | 457.68 | 78.13 | 5.90 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7095.82 | 6757.65 | -276.88 | 829.40 | 66.58 | 473.30 | 80.37 | 5.93 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7168.23 | 6785.78 | -281.62 | 762.87 | 63.59 | 487.00 | 83.22 | 5.89 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7239.91 | 6806.87 | -285.93 | 694.54 | 61.38 | 498.32 | 86.66 | 5.79 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7311.03 | 6820.95 | -289.79 | 624.96 | 59.84 | 506.97 | 90.61 | 5.63 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7381.79 | 6828.06 | -293.17 | 554.67 | 58.92 | 512.71 | 94.92 | 5.43 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7439.38 | 6829.00 | -295.59 | 497.14 | 58.63 | 514.86 | 98.31 | 5.27 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7466.43 | 6829.00 | -296.70 | 470.12 | 58.65 | 515.08 | 99.65 | 5.20 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7566.43 | 6829.00 | -300.78 | 370.20 | 58.70 | 515.88 | 104.79 | 4.95 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7666.42 | 6829.00 | -304.87 | 270.29 | 58.75 | 516.69 | 110.29 | 4.71 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7766.42 | 6829.00 | -308.95 | 170.38 | 58.81 | 517.49 | 116.09 | 4.48 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7866.41 | 6829.00 | -313.04 | 70.47 | 58.86 | 518.30 | 122.14 | 4.26 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7966.41 | 6829.00 | -317.12 | -29.44 | 58.92 | 519.10 | 128.43 | 4.06 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8066.40 | 6829.00 | -321.21 | -129.36 | 58.97 | 519.91 | 134.90 | 3.87 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8166.40 | 6829.00 | -325.29 | -229.27 | 59.02 | 520.71 | 141.55 | 3.69 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8266.40 | 6829.00 | -329.38 | -329.18 | 59.08 | 521.52 | 148.34 | 3.53 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 49 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8366.39 | 6829.00 | -333.46 | -429.09 | 59.13 | 522.32 | 155.26 | 3.37 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8466.39 | 6829.00 | -337.55 | -529.00 | 59.18 | 523.13 | 162.30 | 3.23 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8566.38 | 6829.00 | -341.63 | -628.92 | 59.23 | 523.94 | 169.44 | 3.10 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8666.38 | 6829.00 | -345.72 | -728.83 | 59.29 | 524.75 | 176.66 | 2.98 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8766.37 | 6829.00 | -349.80 | -828.74 | 59.34 | 525.56 | 183.97 | 2.86 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 8866.37 | 6829.00 | -353.89 | -928.65 | 59.39 | 526.37 | 191.34 | 2.76 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 8966.36 | 6829.00 | -357.97 | -1028.56 | 59.44 | 527.17 | 198.79 | 2.66 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9066.36 | 6829.00 | -362.06 | -1128.48 | 59.50 | 527.98 | 206.28 | 2.56 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9166.36 | 6829.00 | -366.14 | -1228.39 | 59.55 | 528.80 | 213.84 | 2.48 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9266.35 | 6829.00 | -370.23 | -1328.30 | 59.60 | 529.61 | 221.44 | 2.40 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9366.35 | 6829.00 | -374.31 | -1428.21 | 59.65 | 530.42 | 229.08 | 2.32 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9466.34 | 6829.00 | -378.40 | -1528.13 | 59.70 | 531.23 | 236.76 | 2.25 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9566.34 | 6829.00 | -382.48 | -1628.04 | 59.75 | 532.04 | 244.49 | 2.18 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9666.33 | 6829.00 | -386.57 | -1727.95 | 59.80 | 532.85 | 252.24 | 2.12 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9766.33 | 6829.00 | -390.65 | -1827.86 | 59.85 | 533.67 | 260.03 | 2.06 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 9866.32 | 6829.00 | -394.74 | -1927.77 | 59.91 | 534.48 | 267.85 | 2.00 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 9966.32 | 6829.00 | -398.83 | -2027.69 | 59.96 | 535.29 | 275.69 | 1.94 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10066.32 | 6829.00 | -402.91 | -2127.60 | 60.01 | 536.11 | 283.56 | 1.89 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10166.31 | 6829.00 | -407.00 | -2227.51 | 60.06 | 536.92 | 291.46 | 1.84 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10266.31 | 6829.00 | -411.08 | -2327.42 | 60.11 | 537.74 | 299.38 | 1.80 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10366.30 | 6829.00 | -415.17 | -2427.33 | 60.16 | 538.55 | 307.32 | 1.75 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10466.30 | 6829.00 | -419.25 | -2527.25 | 60.21 | 539.37 | 315.28 | 1.71 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10566.29 | 6829.00 | -423.34 | -2627.16 | 60.26 | 540.18 | 323.26 | 1.67 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10666.29 | 6829.00 | -427.42 | -2727.07 | 60.30 | 541.00 | 331.26 | 1.63 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10766.28 | 6829.00 | -431.51 | -2826.98 | 60.35 | 541.82 | 339.28 | 1.60 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 10866.28 | 6829.00 | -435.59 | -2926.89 | 60.40 | 542.63 | 347.32 | 1.56 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 10966.28 | 6829.00 | -439.68 | -3026.81 | 60.45 | 543.45 | 355.37 | 1.53 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11066.27 | 6829.00 | -443.76 | -3126.72 | 60.50 | 544.27 | 363.43 | 1.50 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11166.27 | 6829.00 | -447.85 | -3226.63 | 60.55 | 545.09 | 371.51 | 1.47 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11266.26 | 6829.00 | -451.93 | -3326.54 | 60.60 | 545.91 | 379.58 | 1.44 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11366.26 | 6829.00 | -456.02 | -3426.46 | 60.65 | 546.73 | 387.72 | 1.41 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11466.25 | 6829.00 | -460.10 | -3526.37 | 60.69 | 547.55 | 395.84 | 1.38 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11566.25 | 6829.00 | -464.19 | -3626.28 | 60.74 | 548.37 | 403.98 | 1.36 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11666.24 | 6829.00 | -468.27 | -3726.19 | 60.79 | 549.19 | 412.12 | 1.33 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11766.24 | 6829.00 | -472.36 | -3826.10 | 60.84 | 550.01 | 420.28 | 1.31 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 11866.24 | 6829.00 | -476.44 | -3926.02 | 60.89 | 550.83 | 428.45 | 1.29 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 11966.23 | 6829.00 | -480.53 | -4025.93 | 60.93 | 551.65 | 436.63 | 1.26 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12066.23 | 6829.00 | -484.61 | -4125.84 | 60.98 | 552.47 | 444.83 | 1.24 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12166.22 | 6829.00 | -488.70 | -4225.75 | 61.03 | 553.30 | 453.03 | 1.22 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12266.22 | 6829.00 | -492.78 | -4325.66 | 61.08 | 554.12 | 461.25 | 1.20 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12366.21 | 6829.00 | -496.87 | -4425.58 | 61.12 | 554.94 | 469.47 | 1.18 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12466.21 | 6829.00 | -500.95 | -4525.49 | 61.17 | 555.77 | 477.70 | 1.16 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12566.20 | 6829.00 | -505.04 | -4625.40 | 61.22 | 556.59 | 485.95 | 1.15 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12666.20 | 6829.00 | -509.12 | -4725.31 | 61.26 | 557.41 | 494.20 | 1.13 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12766.20 | 6829.00 | -513.21 | -4825.22 | 61.31 | 558.24 | 502.46 | 1.11 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 12866.19 | 6829.00 | -517.29 | -4925.14 | 61.35 | 559.06 | 510.73 | 1.09 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 12966.19 | 6829.00 | -521.38 | -5025.05 | 61.40 | 559.89 | 519.01 | 1.08 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13066.18 | 6829.00 | -525.46 | -5124.96 | 61.45 | 560.71 | 527.30 | 1.06 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13166.18 | 6829.00 | -529.55 | -5224.87 | 61.49 | 561.54 | 535.60 | 1.05 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13266.17 | 6829.00 | -533.63 | -5324.79 | 61.54 | 562.37 | 543.90 | 1.03 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13366.17 | 6829.00 | -537.72 | -5424.70 | 61.58 | 563.19 | 552.22 | 1.02 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13466.17 | 6829.00 | -541.80 | -5524.61 | 61.63 | 564.02 | 560.54 | 1.01 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13566.16 | 6829.00 | -545.89 | -5624.52 | 61.68 | 564.85 | 568.87 | 0.99 | FAIL |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13666.16 | 6829.00 | -549.97 | -5724.43 | 61.72 | 565.68 | 577.20 | 0.98 | FAIL |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13766.15 | 6829.00 | -554.06 | -5824.35 | 61.77 | 566.50 | 585.55 | 0.97 | FAIL |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 13866.15 | 6829.00 | -558.14 | -5924.26 | 61.81 | 567.33 | 593.90 | 0.96 | FAIL |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 13966.14 | 6829.00 | -562.23 | -6024.17 | 61.85 | 568.16 | 602.26 | 0.94 | FAIL |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14066.14 | 6829.00 | -566.31 | -6124.08 | 61.90 | 568.99 | 610.62 | 0.93 | FAIL |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14166.13 | 6829.00 | -570.40 | -6223.99 | 61.94 | 569.82 | 618.99 | 0.92 | FAIL |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14266.13 | 6829.00 | -574.48 | -6323.91 | 61.99 | 570.65 | 627.37 | 0.91 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 51 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#16 GOETZEL 12N-30A-M (2257'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30A-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14366.13 | 6829.00 | -578.57 | -6423.82 | 62.03 | 571.48 | 635.76 | 0.90 | FAIL |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14466.12 | 6829.00 | -582.65 | -6523.73 | 62.08 | 572.31 | 644.15 | 0.89 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14566.12 | 6829.00 | -586.74 | -6623.64 | 62.12 | 573.14 | 652.55 | 0.88 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14666.11 | 6829.00 | -590.82 | -6723.55 | 62.16 | 573.97 | 660.96 | 0.87 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14766.11 | 6829.00 | -594.91 | -6823.47 | 62.21 | 574.81 | 669.37 | 0.86 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 14866.10 | 6829.00 | -598.99 | -6923.38 | 62.25 | 575.64 | 677.79 | 0.85 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 14966.10 | 6829.00 | -603.08 | -7023.29 | 62.30 | 576.47 | 686.22 | 0.84 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15066.09 | 6829.00 | -607.16 | -7123.20 | 62.34 | 577.30 | 694.65 | 0.83 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15166.09 | 6829.00 | -611.25 | -7223.11 | 62.38 | 578.14 | 703.09 | 0.82 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15266.09 | 6829.00 | -615.33 | -7323.03 | 62.43 | 578.97 | 711.53 | 0.81 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15366.08 | 6829.00 | -619.42 | -7422.94 | 62.47 | 579.80 | 719.98 | 0.81 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15466.08 | 6829.00 | -623.50 | -7522.85 | 62.51 | 580.64 | 728.44 | 0.80 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15566.07 | 6829.00 | -627.59 | -7622.76 | 62.55 | 581.47 | 736.90 | 0.79 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15666.07 | 6829.00 | -631.67 | -7722.68 | 62.60 | 582.31 | 745.37 | 0.78 | FAIL |
| 15950.68† | 7097.00 | -1149.50 | -7727.20 | 15682.69 | 6829.00 | -632.35 | -7739.28 | 62.60 | 582.59 | 747.14 | 0.78 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15682.69 | 6829.00 | -632.35 | -7739.28 | 62.60 | 582.95 | 746.64 | 0.78 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1699.68 | 24.43 | 0.14 | 23.78 | 3.40 |
| 8.5in Open Hole | 1700.00 | 15682.00 | 13982.00 | 1699.68 | 6829.00 | 23.78 | 3.40 | -180.52 | -2358.65 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 12N-30A-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|-----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 12N-30A-M PWB |
| 1700.00 | 15682.69 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 12N-30A-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 12N-30A-M PWB Offset Wellpath: GOETZEL 12N-30A-M REV-A.0 PWP

| | |
|---|---|
| MD Reference: PRECISION 562 (25") (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') Well: GOETZEL #29-10G6 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -8.00 | 25.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 25.73 | 61.54 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 92.00 | 125.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 50.57 | 30.46 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 192.00 | 225.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 52.08 | 29.56 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 292.00 | 325.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 54.47 | 28.24 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 392.00 | 425.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 57.55 | 26.71 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 492.00 | 525.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 60.97 | 25.12 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 592.00 | 625.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 64.95 | 23.57 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 692.00 | 725.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 69.19 | 22.10 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 792.00 | 825.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 73.64 | 20.76 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 892.00 | 925.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 78.25 | 19.52 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 992.00 | 1025.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 82.97 | 18.40 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1092.00 | 1125.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 87.78 | 17.39 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1117.00 | 1150.00 | -416.03 | 1456.82 | 105.94 | 1515.06 | 89.00 | 17.15 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1191.99 | 1224.99 | -416.03 | 1456.82 | -9.78 | 1514.09 | 92.68 | 16.45 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1291.89 | 1324.89 | -416.03 | 1456.82 | -9.83 | 1509.80 | 97.65 | 15.56 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1391.58 | 1424.58 | -416.03 | 1456.82 | -9.90 | 1502.07 | 102.69 | 14.72 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1490.93 | 1523.93 | -416.03 | 1456.82 | -10.02 | 1490.91 | 107.76 | 13.92 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1589.83 | 1622.83 | -416.03 | 1456.82 | -10.17 | 1476.36 | 112.83 | 13.16 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1688.15 | 1721.15 | -416.03 | 1456.82 | -10.36 | 1458.42 | 117.68 | 12.44 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1785.77 | 1818.77 | -416.03 | 1456.82 | -10.60 | 1437.12 | 122.68 | 11.76 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1882.58 | 1915.58 | -416.03 | 1456.82 | -10.88 | 1412.49 | 127.68 | 11.10 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1905.55 | 1938.55 | -416.03 | 1456.82 | -10.95 | 1406.13 | 128.87 | 10.95 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1978.75 | 2011.75 | -416.03 | 1456.82 | -11.12 | 1385.53 | 132.62 | 10.48 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2074.88 | 2107.88 | -416.03 | 1456.82 | -11.34 | 1358.49 | 137.58 | 9.90 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2171.02 | 2204.02 | -416.03 | 1456.82 | -11.57 | 1331.48 | 142.57 | 9.37 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2267.16 | 2300.16 | -416.03 | 1456.82 | -11.82 | 1304.48 | 147.57 | 8.86 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2363.29 | 2396.29 | -416.03 | 1456.82 | -12.07 | 1277.51 | 152.60 | 8.39 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2459.43 | 2492.43 | -416.03 | 1456.82 | -12.33 | 1250.56 | 157.65 | 7.95 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2555.57 | 2588.57 | -416.03 | 1456.82 | -12.61 | 1223.63 | 162.72 | 7.54 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2651.71 | 2684.71 | -416.03 | 1456.82 | -12.89 | 1196.74 | 167.81 | 7.15 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') Well: GOETZEL #29-10G6 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2747.84 | 2780.84 | -416.03 | 1456.82 | -13.19 | 1169.87 | 172.92 | 6.78 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2843.98 | 2876.98 | -416.03 | 1456.82 | -13.51 | 1143.03 | 178.05 | 6.43 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2940.12 | 2973.12 | -416.03 | 1456.82 | -13.84 | 1116.23 | 183.19 | 6.11 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3036.25 | 3069.25 | -416.03 | 1456.82 | -14.18 | 1089.47 | 188.35 | 5.80 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3132.39 | 3165.39 | -416.03 | 1456.82 | -14.55 | 1062.74 | 193.53 | 5.50 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3228.53 | 3261.53 | -416.03 | 1456.82 | -14.93 | 1036.05 | 198.72 | 5.22 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3324.67 | 3357.67 | -416.03 | 1456.82 | -15.33 | 1009.41 | 203.93 | 4.96 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3420.80 | 3453.80 | -416.03 | 1456.82 | -15.75 | 982.82 | 209.16 | 4.71 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3516.94 | 3549.94 | -416.03 | 1456.82 | -16.20 | 956.28 | 214.40 | 4.47 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3613.08 | 3646.08 | -416.03 | 1456.82 | -16.67 | 929.80 | 219.65 | 4.24 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3709.21 | 3742.21 | -416.03 | 1456.82 | -17.17 | 903.38 | 224.92 | 4.02 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3805.35 | 3838.35 | -416.03 | 1456.82 | -17.70 | 877.03 | 230.20 | 3.82 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3901.49 | 3934.49 | -416.03 | 1456.82 | -18.26 | 850.75 | 235.50 | 3.62 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3997.63 | 4030.63 | -416.03 | 1456.82 | -18.86 | 824.56 | 240.82 | 3.43 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4093.76 | 4126.76 | -416.03 | 1456.82 | -19.49 | 798.45 | 246.14 | 3.25 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4189.90 | 4222.90 | -416.03 | 1456.82 | -20.17 | 772.44 | 251.48 | 3.08 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4286.04 | 4319.04 | -416.03 | 1456.82 | -20.90 | 746.54 | 256.84 | 2.91 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4382.17 | 4415.17 | -416.03 | 1456.82 | -21.67 | 720.77 | 262.21 | 2.75 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4478.31 | 4511.31 | -416.03 | 1456.82 | -22.51 | 695.12 | 267.60 | 2.60 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4574.45 | 4607.45 | -416.03 | 1456.82 | -23.40 | 669.63 | 273.01 | 2.46 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4670.58 | 4703.58 | -416.03 | 1456.82 | -24.37 | 644.30 | 278.43 | 2.32 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4766.72 | 4799.72 | -416.03 | 1456.82 | -25.41 | 619.16 | 283.87 | 2.18 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4862.86 | 4895.86 | -416.03 | 1456.82 | -26.54 | 594.23 | 289.33 | 2.06 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4959.00 | 4992.00 | -416.03 | 1456.82 | -27.77 | 569.55 | 294.81 | 1.93 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5055.13 | 5088.13 | -416.03 | 1456.82 | -29.10 | 545.13 | 300.31 | 1.82 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5151.27 | 5184.27 | -416.03 | 1456.82 | -30.56 | 521.02 | 305.84 | 1.70 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5247.41 | 5280.41 | -416.03 | 1456.82 | -32.16 | 497.27 | 311.40 | 1.60 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5343.54 | 5376.54 | -416.03 | 1456.82 | -33.91 | 473.93 | 316.99 | 1.50 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5439.68 | 5472.68 | -416.03 | 1456.82 | -35.83 | 451.06 | 322.61 | 1.40 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5535.82 | 5568.82 | -416.03 | 1456.82 | -37.96 | 428.73 | 328.27 | 1.31 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') Well: GOETZEL #29-10G6 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5631.96 | 5664.96 | -416.03 | 1456.82 | -40.30 | 407.05 | 333.97 | 1.22 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5728.09 | 5761.09 | -416.03 | 1456.82 | -42.90 | 386.10 | 339.73 | 1.14 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5824.23 | 5857.23 | -416.03 | 1456.82 | -45.77 | 366.04 | 345.53 | 1.06 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5920.37 | 5953.37 | -416.03 | 1456.82 | -48.96 | 346.99 | 351.38 | 0.99 | FAIL |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6016.50 | 6049.50 | -416.03 | 1456.82 | -52.49 | 329.15 | 357.29 | 0.92 | FAIL |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6112.64 | 6145.64 | -416.03 | 1456.82 | -56.39 | 312.72 | 363.24 | 0.86 | FAIL |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6182.94 | 6215.94 | -416.03 | 1456.82 | -59.48 | 301.72 | 367.62 | 0.82 | FAIL |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6208.89 | 6241.89 | -416.03 | 1456.82 | -64.68 | 298.35 | 369.23 | 0.81 | FAIL |
| 6507.52† | 6322.70 | -593.04 | 1222.08 | 6289.53 | 6322.53 | -416.03 | 1456.82 | -90.12 | 294.00 | 374.12 | 0.79 | FAIL |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6306.96 | 6339.96 | -416.03 | 1456.82 | -98.29 | 294.20 | 375.16 | 0.78 | FAIL |
| 6544.39† | 6359.14 | -597.91 | 1224.75 | 6326.15 | 6359.15 | -416.03 | 1456.82 | -108.65 | 294.86 | 376.29 | 0.78 | FAIL |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6405.96 | 6438.96 | -416.03 | 1456.82 | -154.70 | 302.35 | 380.93 | 0.79 | FAIL |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6503.95 | 6536.95 | -416.03 | 1456.82 | 174.88 | 321.76 | 386.47 | 0.83 | FAIL |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6599.03 | 6632.03 | -416.03 | 1456.82 | 163.05 | 351.86 | 391.84 | 0.90 | FAIL |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6689.35 | 6722.35 | -416.03 | 1456.82 | 157.57 | 392.45 | 396.97 | 0.99 | FAIL |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6773.15 | 6806.15 | -416.03 | 1456.82 | 154.47 | 443.41 | 401.76 | 1.10 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6848.80 | 6881.80 | -416.03 | 1456.82 | 152.05 | 504.41 | 406.10 | 1.24 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6914.83 | 6947.83 | -416.03 | 1456.82 | 149.31 | 574.77 | 409.88 | 1.40 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6969.95 | 7002.95 | -416.03 | 1456.82 | 145.33 | 653.41 | 413.00 | 1.58 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7013.09 | 7046.09 | -416.03 | 1456.82 | 138.89 | 738.97 | 415.40 | 1.78 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7043.41 | 7076.41 | -416.03 | 1456.82 | 127.87 | 829.84 | 417.04 | 1.99 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7060.32 | 7093.32 | -416.03 | 1456.82 | 109.09 | 924.23 | 417.91 | 2.21 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7064.00 | 7097.00 | -416.03 | 1456.82 | 90.00 | 994.22 | 418.06 | 2.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| 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] |
|---------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.875in Open Hole | 0.00 | 442.00 | 442.00 | 8.00 | 450.00 | -253.58 | 888.09 | -253.58 | 888.09 |
| 7in Casing Surface | 0.00 | 442.00 | 442.00 | 8.00 | 450.00 | -253.58 | 888.09 | -253.58 | 888.09 |
| 6.25in Open Hole | 442.00 | 7173.00 | 6731.00 | 450.00 | 7181.00 | -253.58 | 888.09 | -253.58 | 888.09 |
| 2.875in Casing Production | 0.00 | 7173.00 | 7173.00 | 8.00 | 7181.00 | -253.58 | 888.09 | -253.58 | 888.09 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|--|----------------------|
| 0.00 | 7220.00 | Custom Drift Indicator (2.0 Maximum Inclination) | ASSUMED VERTICAL TO SURFACE-2DEG CONE <7220> | GOETZEL #29-10G6 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #29-10G6 AWB Offset Wellpath: GOETZEL #29-10G6 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#06 EX GOETZEL #29-10G6 (1974'FSL & 2013'FEL, SEC.29, PR, 7220') (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | 59.71 | 0.54 | 0.52 | 59.71 | 1.72 | 97.64 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | 59.71 | 0.54 | 0.52 | 59.71 | 2.04 | 63.89 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | 59.71 | 0.54 | 0.52 | 59.71 | 2.61 | 39.52 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | 59.71 | 0.54 | 0.52 | 59.71 | 3.21 | 28.11 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | 59.71 | 0.54 | 0.52 | 59.71 | 3.82 | 21.71 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | 59.71 | 0.54 | 0.52 | 59.71 | 4.44 | 17.66 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | 59.71 | 0.54 | 0.52 | 59.71 | 5.06 | 14.87 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | 59.71 | 0.54 | 0.52 | 59.71 | 5.69 | 12.84 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | 59.71 | 0.54 | 0.52 | 59.71 | 6.31 | 11.29 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | 59.71 | 0.54 | 0.52 | 59.71 | 6.94 | 10.08 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1025.00 | 1025.00 | 59.71 | 0.54 | 0.52 | 59.71 | 7.56 | 9.10 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1125.00 | 1125.00 | 59.71 | 0.54 | 0.52 | 59.71 | 8.19 | 8.29 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1150.00 | 1150.00 | 59.71 | 0.54 | 0.52 | 59.71 | 8.35 | 8.11 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1224.99 | 1224.99 | 59.71 | 0.54 | -116.03 | 60.13 | 8.82 | 7.67 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1324.89 | 1324.89 | 59.71 | 0.54 | -119.61 | 62.17 | 9.51 | 7.28 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1424.58 | 1424.58 | 59.71 | 0.54 | -125.42 | 66.41 | 10.28 | 7.13 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1523.93 | 1523.93 | 59.71 | 0.54 | -132.49 | 73.56 | 11.12 | 7.25 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1622.83 | 1622.83 | 59.71 | 0.54 | -139.75 | 84.30 | 12.01 | 7.64 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1721.57 | 1721.57 | 59.70 | 0.62 | -146.37 | 98.93 | 12.34 | 8.45 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1821.93 | 1821.89 | 59.56 | 3.13 | -151.20 | 116.09 | 12.73 | 9.60 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1922.85 | 1922.63 | 59.23 | 9.19 | -154.28 | 134.63 | 13.28 | 10.65 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1947.01 | 1946.70 | 59.11 | 11.17 | -154.82 | 139.22 | 13.42 | 10.90 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2024.50 | 2023.81 | 58.69 | 18.87 | -156.13 | 153.28 | 13.77 | 11.68 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2127.19 | 2125.61 | 57.94 | 32.28 | -156.75 | 169.66 | 14.28 | 12.44 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2230.70 | 2227.67 | 56.98 | 49.48 | -156.43 | 183.54 | 14.87 | 12.91 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2334.76 | 2329.58 | 55.81 | 70.47 | -155.36 | 194.94 | 15.52 | 13.11 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2439.10 | 2430.93 | 54.43 | 95.21 | -153.62 | 203.97 | 16.24 | 13.09 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2543.45 | 2531.31 | 52.85 | 123.62 | -151.25 | 210.83 | 17.03 | 12.88 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2642.91 | 2626.48 | 51.24 | 152.50 | -148.74 | 216.87 | 17.85 | 12.61 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2742.29 | 2721.56 | 49.63 | 181.36 | -146.37 | 223.31 | 18.77 | 12.32 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 58 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2841.67 | 2816.64 | 48.02 | 210.22 | -144.14 | 230.10 | 19.79 | 12.02 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2941.04 | 2911.72 | 46.41 | 239.07 | -142.04 | 237.22 | 20.88 | 11.72 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3040.42 | 3006.80 | 44.80 | 267.93 | -140.06 | 244.65 | 22.04 | 11.43 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3139.80 | 3101.89 | 43.19 | 296.79 | -138.20 | 252.35 | 23.29 | 11.14 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3239.17 | 3196.97 | 41.58 | 325.65 | -136.45 | 260.30 | 24.58 | 10.88 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3338.55 | 3292.05 | 39.97 | 354.50 | -134.81 | 268.48 | 25.91 | 10.63 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3437.92 | 3387.13 | 38.36 | 383.36 | -133.26 | 276.86 | 27.27 | 10.40 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3537.30 | 3482.21 | 36.76 | 412.22 | -131.81 | 285.44 | 28.67 | 10.18 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3636.68 | 3577.29 | 35.15 | 441.07 | -130.44 | 294.18 | 30.09 | 9.99 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3736.05 | 3672.37 | 33.54 | 469.93 | -129.15 | 303.09 | 31.54 | 9.81 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3835.43 | 3767.45 | 31.93 | 498.79 | -127.93 | 312.14 | 33.00 | 9.64 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3934.81 | 3862.53 | 30.32 | 527.65 | -126.79 | 321.32 | 34.48 | 9.49 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4034.18 | 3957.61 | 28.71 | 556.50 | -125.70 | 330.62 | 35.98 | 9.35 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4133.56 | 4052.69 | 27.10 | 585.36 | -124.68 | 340.04 | 37.48 | 9.23 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4232.94 | 4147.77 | 25.49 | 614.22 | -123.71 | 349.55 | 39.00 | 9.11 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4332.31 | 4242.85 | 23.88 | 643.07 | -122.79 | 359.16 | 40.52 | 9.00 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4431.69 | 4337.93 | 22.28 | 671.93 | -121.92 | 368.86 | 42.05 | 8.90 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4531.06 | 4433.01 | 20.67 | 700.79 | -121.10 | 378.64 | 43.59 | 8.81 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4630.44 | 4528.09 | 19.06 | 729.65 | -120.31 | 388.49 | 45.13 | 8.73 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4729.82 | 4623.18 | 17.45 | 758.50 | -119.57 | 398.41 | 46.68 | 8.65 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4829.19 | 4718.26 | 15.84 | 787.36 | -118.86 | 408.39 | 48.23 | 8.58 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4928.57 | 4813.34 | 14.23 | 816.22 | -118.19 | 418.43 | 49.78 | 8.51 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 5027.95 | 4908.42 | 12.62 | 845.07 | -117.54 | 428.53 | 51.34 | 8.45 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5127.32 | 5003.50 | 11.01 | 873.93 | -116.93 | 438.68 | 52.89 | 8.39 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5226.70 | 5098.58 | 9.40 | 902.79 | -116.34 | 448.88 | 54.45 | 8.34 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5326.07 | 5193.66 | 7.80 | 931.65 | -115.78 | 459.12 | 56.02 | 8.29 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5425.45 | 5288.74 | 6.19 | 960.50 | -115.25 | 469.40 | 57.58 | 8.24 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5524.83 | 5383.82 | 4.58 | 989.36 | -114.74 | 479.72 | 59.14 | 8.20 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5624.20 | 5478.90 | 2.97 | 1018.22 | -114.25 | 490.08 | 60.71 | 8.16 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5723.58 | 5573.98 | 1.36 | 1047.07 | -113.78 | 500.47 | 62.28 | 8.12 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 59 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5822.96 | 5669.06 | -0.25 | 1075.93 | -113.33 | 510.89 | 63.84 | 8.08 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5922.33 | 5764.14 | -1.86 | 1104.79 | -112.89 | 521.34 | 65.41 | 8.05 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 6021.71 | 5859.22 | -3.47 | 1133.65 | -112.48 | 531.83 | 66.98 | 8.01 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6121.08 | 5954.30 | -5.08 | 1162.50 | -112.08 | 542.33 | 68.55 | 7.98 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6220.46 | 6049.38 | -6.68 | 1191.36 | -111.69 | 552.87 | 70.12 | 7.96 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6325.96 | 6151.16 | -8.58 | 1218.87 | -111.63 | 563.09 | 71.66 | 7.93 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6404.94 | 6229.25 | -10.52 | 1230.25 | -112.53 | 569.63 | 72.52 | 7.92 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6433.49 | 6257.72 | -11.34 | 1232.23 | -117.38 | 571.94 | 72.82 | 7.92 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6538.03 | 6362.08 | -14.82 | 1229.81 | -150.10 | 580.97 | 73.90 | 7.93 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6640.02 | 6462.48 | -18.91 | 1212.85 | 153.48 | 590.56 | 75.27 | 7.91 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6739.62 | 6557.22 | -23.48 | 1182.71 | 122.02 | 600.53 | 76.25 | 7.94 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6837.04 | 6644.94 | -28.41 | 1140.80 | 108.35 | 610.64 | 77.58 | 7.93 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6932.48 | 6724.56 | -33.61 | 1088.58 | 100.67 | 620.64 | 79.38 | 7.88 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 7026.15 | 6795.27 | -38.96 | 1027.48 | 95.54 | 630.28 | 81.82 | 7.76 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7118.26 | 6856.43 | -44.38 | 958.89 | 91.77 | 639.31 | 84.98 | 7.58 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7209.01 | 6907.57 | -49.79 | 884.20 | 88.87 | 647.47 | 88.82 | 7.34 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7298.58 | 6948.37 | -55.11 | 804.70 | 86.60 | 654.54 | 93.26 | 7.06 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7387.17 | 6978.65 | -60.27 | 721.67 | 84.85 | 660.34 | 98.13 | 6.77 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7474.93 | 6998.30 | -65.20 | 636.33 | 83.55 | 664.70 | 103.28 | 6.47 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7562.02 | 7007.33 | -69.84 | 549.89 | 82.67 | 667.48 | 108.53 | 6.18 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7630.22 | 7008.00 | -73.29 | 481.79 | 82.35 | 668.34 | 112.49 | 5.97 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7657.27 | 7008.00 | -74.65 | 454.77 | 82.35 | 668.33 | 114.04 | 5.89 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7757.27 | 7008.00 | -79.68 | 354.90 | 82.35 | 668.33 | 120.00 | 5.60 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7857.27 | 7008.00 | -84.71 | 255.02 | 82.35 | 668.32 | 126.34 | 5.31 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7957.27 | 7008.00 | -89.74 | 155.15 | 82.35 | 668.32 | 133.01 | 5.05 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 8057.27 | 7008.00 | -94.77 | 55.28 | 82.35 | 668.31 | 139.95 | 4.79 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8157.27 | 7008.00 | -99.80 | -44.60 | 82.35 | 668.31 | 147.14 | 4.56 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8257.27 | 7008.00 | -104.83 | -144.47 | 82.35 | 668.30 | 154.53 | 4.34 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8357.27 | 7008.00 | -109.86 | -244.34 | 82.35 | 668.30 | 162.09 | 4.14 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8457.27 | 7008.00 | -114.89 | -344.22 | 82.35 | 668.29 | 169.81 | 3.95 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 60 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8557.27 | 7008.00 | -119.92 | -444.09 | 82.35 | 668.29 | 177.67 | 3.77 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8657.27 | 7008.00 | -124.95 | -543.96 | 82.35 | 668.28 | 185.64 | 3.61 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8757.27 | 7008.00 | -129.98 | -643.84 | 82.35 | 668.28 | 193.71 | 3.46 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8857.27 | 7008.00 | -135.01 | -743.71 | 82.35 | 668.27 | 201.88 | 3.32 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8957.27 | 7008.00 | -140.04 | -843.59 | 82.35 | 668.27 | 210.12 | 3.19 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 9057.27 | 7008.00 | -145.07 | -943.46 | 82.35 | 668.26 | 218.43 | 3.07 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9157.27 | 7008.00 | -150.10 | -1043.33 | 82.35 | 668.25 | 226.80 | 2.95 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9257.27 | 7008.00 | -155.13 | -1143.21 | 82.35 | 668.25 | 235.23 | 2.85 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9357.27 | 7008.00 | -160.16 | -1243.08 | 82.35 | 668.24 | 243.71 | 2.75 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9457.27 | 7008.00 | -165.19 | -1342.95 | 82.35 | 668.24 | 252.24 | 2.65 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9557.27 | 7008.00 | -170.22 | -1442.83 | 82.35 | 668.23 | 260.80 | 2.57 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9657.27 | 7008.00 | -175.25 | -1542.70 | 82.35 | 668.23 | 269.41 | 2.48 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9757.27 | 7008.00 | -180.28 | -1642.57 | 82.35 | 668.22 | 278.04 | 2.41 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9857.27 | 7008.00 | -185.31 | -1742.45 | 82.35 | 668.22 | 286.71 | 2.33 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9957.27 | 7008.00 | -190.34 | -1842.32 | 82.35 | 668.21 | 295.40 | 2.27 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 10057.27 | 7008.00 | -195.37 | -1942.19 | 82.35 | 668.21 | 304.12 | 2.20 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10157.27 | 7008.00 | -200.40 | -2042.07 | 82.35 | 668.20 | 312.86 | 2.14 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10257.27 | 7008.00 | -205.43 | -2141.94 | 82.35 | 668.20 | 321.62 | 2.08 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10357.27 | 7008.00 | -210.46 | -2241.81 | 82.35 | 668.19 | 330.40 | 2.02 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10457.27 | 7008.00 | -215.49 | -2341.69 | 82.35 | 668.19 | 339.20 | 1.97 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10557.27 | 7008.00 | -220.52 | -2441.56 | 82.35 | 668.18 | 348.01 | 1.92 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10657.27 | 7008.00 | -225.55 | -2541.43 | 82.35 | 668.17 | 356.85 | 1.87 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10757.27 | 7008.00 | -230.58 | -2641.31 | 82.35 | 668.17 | 365.69 | 1.83 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10857.27 | 7008.00 | -235.61 | -2741.18 | 82.35 | 668.16 | 374.55 | 1.79 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10957.27 | 7008.00 | -240.64 | -2841.05 | 82.35 | 668.16 | 383.42 | 1.74 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 11057.27 | 7008.00 | -245.67 | -2940.93 | 82.35 | 668.15 | 392.30 | 1.70 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11157.27 | 7008.00 | -250.70 | -3040.80 | 82.35 | 668.15 | 401.20 | 1.67 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11257.27 | 7008.00 | -255.73 | -3140.67 | 82.35 | 668.14 | 410.10 | 1.63 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11357.27 | 7008.00 | -260.76 | -3240.55 | 82.35 | 668.14 | 419.01 | 1.60 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11457.27 | 7008.00 | -265.79 | -3340.42 | 82.35 | 668.13 | 427.93 | 1.56 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11557.27 | 7008.00 | -270.82 | -3440.29 | 82.35 | 668.13 | 436.86 | 1.53 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11657.27 | 7008.00 | -275.85 | -3540.17 | 82.35 | 668.12 | 445.80 | 1.50 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11757.27 | 7008.00 | -280.88 | -3640.04 | 82.35 | 668.12 | 454.74 | 1.47 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11857.27 | 7008.00 | -285.91 | -3739.91 | 82.35 | 668.11 | 463.70 | 1.44 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11957.27 | 7008.00 | -290.94 | -3839.79 | 82.35 | 668.11 | 472.65 | 1.41 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 12057.27 | 7008.00 | -295.97 | -3939.66 | 82.35 | 668.10 | 481.62 | 1.39 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12157.27 | 7008.00 | -301.00 | -4039.53 | 82.35 | 668.09 | 490.59 | 1.36 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12257.27 | 7008.00 | -306.03 | -4139.41 | 82.35 | 668.09 | 499.56 | 1.34 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12357.27 | 7008.00 | -311.06 | -4239.28 | 82.34 | 668.08 | 508.54 | 1.31 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12457.27 | 7008.00 | -316.09 | -4339.15 | 82.34 | 668.08 | 517.53 | 1.29 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12557.27 | 7008.00 | -321.12 | -4439.03 | 82.34 | 668.07 | 526.52 | 1.27 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12657.27 | 7008.00 | -326.15 | -4538.90 | 82.34 | 668.07 | 535.51 | 1.25 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12757.27 | 7008.00 | -331.18 | -4638.78 | 82.34 | 668.06 | 544.51 | 1.23 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12857.27 | 7008.00 | -336.21 | -4738.65 | 82.34 | 668.06 | 553.51 | 1.21 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12957.27 | 7008.00 | -341.24 | -4838.52 | 82.34 | 668.05 | 562.52 | 1.19 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 13057.27 | 7008.00 | -346.27 | -4938.40 | 82.34 | 668.05 | 571.53 | 1.17 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13157.27 | 7008.00 | -351.30 | -5038.27 | 82.34 | 668.04 | 580.54 | 1.15 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13257.27 | 7008.00 | -356.33 | -5138.14 | 82.34 | 668.04 | 589.56 | 1.13 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13357.27 | 7008.00 | -361.36 | -5238.02 | 82.34 | 668.03 | 598.58 | 1.12 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13457.27 | 7008.00 | -366.39 | -5337.89 | 82.34 | 668.03 | 607.60 | 1.10 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13557.27 | 7008.00 | -371.42 | -5437.76 | 82.34 | 668.02 | 616.63 | 1.08 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13657.27 | 7008.00 | -376.45 | -5537.64 | 82.34 | 668.01 | 625.66 | 1.07 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13757.27 | 7008.00 | -381.48 | -5637.51 | 82.34 | 668.01 | 634.69 | 1.05 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13857.27 | 7008.00 | -386.51 | -5737.38 | 82.34 | 668.00 | 643.72 | 1.04 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13957.27 | 7008.00 | -391.54 | -5837.26 | 82.34 | 668.00 | 652.76 | 1.02 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 14057.27 | 7008.00 | -396.57 | -5937.13 | 82.34 | 667.99 | 661.80 | 1.01 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14157.27 | 7008.00 | -401.60 | -6037.00 | 82.34 | 667.99 | 670.84 | 1.00 | FAIL |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14257.27 | 7008.00 | -406.63 | -6136.88 | 82.34 | 667.98 | 679.88 | 0.98 | FAIL |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14357.27 | 7008.00 | -411.66 | -6236.75 | 82.34 | 667.98 | 688.92 | 0.97 | FAIL |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14457.27 | 7008.00 | -416.69 | -6336.62 | 82.34 | 667.97 | 697.97 | 0.96 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#15 GOETZEL 12N-30C-M (2277'FSL & 2053'FWL, SEC.29) Well: GOETZEL 12N-30C-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14557.27 | 7008.00 | -421.72 | -6436.50 | 82.34 | 667.97 | 707.02 | 0.94 | FAIL |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14657.27 | 7008.00 | -426.75 | -6536.37 | 82.34 | 667.96 | 716.07 | 0.93 | FAIL |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14757.27 | 7008.00 | -431.78 | -6636.24 | 82.34 | 667.96 | 725.12 | 0.92 | FAIL |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14857.27 | 7008.00 | -436.81 | -6736.12 | 82.34 | 667.95 | 734.18 | 0.91 | FAIL |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14957.27 | 7008.00 | -441.84 | -6835.99 | 82.34 | 667.95 | 743.23 | 0.90 | FAIL |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 15057.27 | 7008.00 | -446.87 | -6935.86 | 82.34 | 667.94 | 752.29 | 0.89 | FAIL |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15157.27 | 7008.00 | -451.90 | -7035.74 | 82.34 | 667.93 | 761.35 | 0.88 | FAIL |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15257.27 | 7008.00 | -456.93 | -7135.61 | 82.34 | 667.93 | 770.41 | 0.87 | FAIL |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15357.27 | 7008.00 | -461.96 | -7235.48 | 82.34 | 667.92 | 779.47 | 0.86 | FAIL |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15457.27 | 7008.00 | -466.99 | -7335.36 | 82.34 | 667.92 | 788.53 | 0.85 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15557.27 | 7008.00 | -472.02 | -7435.23 | 82.34 | 667.91 | 797.59 | 0.84 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15657.27 | 7008.00 | -477.05 | -7535.10 | 82.34 | 667.91 | 806.66 | 0.83 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15757.27 | 7008.00 | -482.08 | -7634.98 | 82.34 | 667.90 | 815.73 | 0.82 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15857.27 | 7008.00 | -487.11 | -7734.85 | 82.34 | 667.90 | 824.79 | 0.81 | FAIL |
| 15944.16† | 7097.00 | -1149.17 | -7720.69 | 15862.22 | 7008.00 | -487.35 | -7739.79 | 82.34 | 668.05 | 825.80 | 0.81 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15862.22 | 7008.00 | -487.35 | -7739.79 | 82.34 | 668.64 | 825.27 | 0.81 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1700.00 | 36.40 | 0.33 | 36.40 | 0.33 |
| 8.5in Open Hole | 1700.00 | 15862.00 | 14162.00 | 1700.00 | 7008.00 | 36.40 | 0.33 | -130.34 | -2358.86 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP | | | | |
|---|----------------|---|------------------|-----------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 12N-30C-M PWB |
| 1700.00 | 15862.22 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 12N-30C-M PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 12N-30C-M PWB Offset Wellpath: GOETZEL 12N-30C-M REV-A.0 PWP | |
|--|---|
| MD Reference: PRECISION 562 (25") (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -60.11 | -0.54 | -179.48 | 60.11 | 1.72 | 98.32 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -60.11 | -0.54 | -179.48 | 60.11 | 2.05 | 64.08 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -60.11 | -0.54 | -179.48 | 60.11 | 2.61 | 39.62 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | -60.11 | -0.54 | -179.48 | 60.11 | 3.22 | 28.20 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | -60.11 | -0.54 | -179.48 | 60.11 | 3.83 | 21.80 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | -60.11 | -0.54 | -179.48 | 60.11 | 4.45 | 17.74 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | -60.11 | -0.54 | -179.48 | 60.11 | 5.07 | 14.94 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | -60.11 | -0.54 | -179.48 | 60.11 | 5.70 | 12.90 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 823.95 | 823.94 | -60.75 | 0.16 | 179.85 | 60.76 | 6.34 | 11.44 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 922.38 | 922.27 | -63.60 | 3.29 | 177.04 | 63.75 | 7.12 | 10.45 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1020.40 | 1020.00 | -68.69 | 8.89 | 172.63 | 69.45 | 8.01 | 9.92 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1117.79 | 1116.79 | -75.98 | 16.90 | 167.46 | 78.27 | 8.92 | 9.89 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1142.02 | 1140.80 | -78.14 | 19.27 | 166.15 | 81.00 | 9.14 | 9.96 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1214.48 | 1212.45 | -85.40 | 27.25 | 46.91 | 89.85 | 9.85 | 10.17 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1310.69 | 1307.12 | -96.92 | 39.91 | 43.56 | 102.46 | 10.81 | 10.46 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1406.45 | 1400.72 | -110.51 | 54.84 | 41.36 | 115.74 | 11.81 | 10.72 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1501.74 | 1493.14 | -126.12 | 71.99 | 39.98 | 129.52 | 12.76 | 11.03 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1596.56 | 1584.29 | -143.69 | 91.30 | 39.19 | 143.69 | 13.75 | 11.29 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1690.92 | 1674.09 | -163.18 | 112.72 | 38.83 | 158.21 | 14.29 | 11.76 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1789.60 | 1767.42 | -184.76 | 136.43 | 39.00 | 171.77 | 14.41 | 12.48 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1888.96 | 1861.38 | -206.50 | 160.32 | 39.85 | 182.67 | 14.74 | 12.97 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1912.69 | 1883.83 | -211.69 | 166.02 | 40.14 | 184.89 | 14.82 | 13.05 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1988.44 | 1955.46 | -228.26 | 184.23 | 41.18 | 191.76 | 15.06 | 13.32 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2087.93 | 2049.55 | -250.03 | 208.15 | 42.43 | 200.88 | 15.51 | 13.52 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2187.43 | 2143.64 | -271.80 | 232.07 | 43.58 | 210.08 | 16.08 | 13.62 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2286.92 | 2237.73 | -293.56 | 255.98 | 44.63 | 219.36 | 16.75 | 13.63 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2386.41 | 2331.82 | -315.33 | 279.90 | 45.59 | 228.71 | 17.52 | 13.57 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2485.90 | 2425.91 | -337.09 | 303.82 | 46.48 | 238.11 | 18.37 | 13.44 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2585.39 | 2520.00 | -358.86 | 327.74 | 47.31 | 247.57 | 19.29 | 13.28 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2684.88 | 2614.09 | -380.63 | 351.65 | 48.07 | 257.08 | 20.28 | 13.10 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2784.37 | 2708.18 | -402.39 | 375.57 | 48.77 | 266.62 | 21.33 | 12.89 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2883.86 | 2802.26 | -424.16 | 399.49 | 49.43 | 276.21 | 22.42 | 12.69 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2983.36 | 2896.35 | -445.92 | 423.40 | 50.04 | 285.82 | 23.56 | 12.48 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3082.85 | 2990.44 | -467.69 | 447.32 | 50.62 | 295.47 | 24.73 | 12.27 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3182.34 | 3084.53 | -489.45 | 471.24 | 51.15 | 305.15 | 25.94 | 12.07 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3281.83 | 3178.62 | -511.22 | 495.16 | 51.66 | 314.85 | 27.17 | 11.87 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3381.32 | 3272.71 | -532.99 | 519.07 | 52.13 | 324.57 | 28.42 | 11.69 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3480.81 | 3366.80 | -554.75 | 542.99 | 52.58 | 334.32 | 29.70 | 11.51 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3580.30 | 3460.89 | -576.52 | 566.91 | 53.00 | 344.08 | 30.99 | 11.34 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3679.79 | 3554.98 | -598.28 | 590.83 | 53.40 | 353.86 | 32.30 | 11.18 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3779.29 | 3649.07 | -620.05 | 614.74 | 53.77 | 363.66 | 33.62 | 11.03 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3878.78 | 3743.15 | -641.82 | 638.66 | 54.13 | 373.47 | 34.96 | 10.88 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3978.27 | 3837.24 | -663.58 | 662.58 | 54.47 | 383.29 | 36.31 | 10.75 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4077.76 | 3931.33 | -685.35 | 686.49 | 54.79 | 393.13 | 37.67 | 10.62 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4177.25 | 4025.42 | -707.11 | 710.41 | 55.10 | 402.98 | 39.04 | 10.50 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4276.74 | 4119.51 | -728.88 | 734.33 | 55.39 | 412.84 | 40.41 | 10.38 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4376.23 | 4213.60 | -750.64 | 758.25 | 55.67 | 422.71 | 41.80 | 10.27 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4475.73 | 4307.69 | -772.41 | 782.16 | 55.93 | 432.59 | 43.19 | 10.17 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4575.22 | 4401.78 | -794.18 | 806.08 | 56.18 | 442.48 | 44.59 | 10.07 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4674.71 | 4495.87 | -815.94 | 830.00 | 56.43 | 452.38 | 45.99 | 9.97 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4774.20 | 4589.96 | -837.71 | 853.92 | 56.66 | 462.28 | 47.40 | 9.89 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4873.69 | 4684.04 | -859.47 | 877.83 | 56.88 | 472.19 | 48.81 | 9.80 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4973.18 | 4778.13 | -881.24 | 901.75 | 57.09 | 482.11 | 50.23 | 9.72 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5072.67 | 4872.22 | -903.01 | 925.67 | 57.30 | 492.03 | 51.65 | 9.65 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5172.16 | 4966.31 | -924.77 | 949.58 | 57.49 | 501.96 | 53.07 | 9.57 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5271.66 | 5060.40 | -946.54 | 973.50 | 57.68 | 511.90 | 54.50 | 9.50 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5371.15 | 5154.49 | -968.30 | 997.42 | 57.86 | 521.84 | 55.93 | 9.44 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5470.64 | 5248.58 | -990.07 | 1021.34 | 58.04 | 531.79 | 57.36 | 9.37 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5570.13 | 5342.67 | -1011.83 | 1045.25 | 58.21 | 541.74 | 58.80 | 9.31 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5669.62 | 5436.76 | -1033.60 | 1069.17 | 58.37 | 551.69 | 60.24 | 9.26 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 66 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5769.11 | 5530.84 | -1055.37 | 1093.09 | 58.52 | 561.65 | 61.68 | 9.20 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5868.60 | 5624.93 | -1077.13 | 1117.01 | 58.67 | 571.62 | 63.12 | 9.15 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5968.09 | 5719.02 | -1098.90 | 1140.92 | 58.82 | 581.59 | 64.57 | 9.10 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6067.59 | 5813.11 | -1120.66 | 1164.84 | 58.96 | 591.56 | 66.02 | 9.05 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6167.08 | 5907.20 | -1142.43 | 1188.76 | 59.10 | 601.53 | 67.46 | 9.00 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6266.19 | 6001.50 | -1164.40 | 1209.73 | 59.50 | 611.53 | 68.92 | 8.95 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6337.06 | 6070.04 | -1180.76 | 1217.03 | 60.51 | 619.01 | 70.09 | 8.91 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6362.58 | 6094.83 | -1186.76 | 1217.94 | 57.01 | 621.87 | 70.50 | 8.90 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6456.04 | 6185.40 | -1209.09 | 1213.55 | 29.31 | 633.00 | 71.84 | 8.89 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6547.39 | 6272.53 | -1231.16 | 1197.58 | -22.24 | 644.68 | 72.95 | 8.91 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6636.91 | 6355.19 | -1252.68 | 1170.97 | -49.07 | 656.56 | 73.96 | 8.95 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6724.89 | 6432.54 | -1273.38 | 1134.65 | -58.42 | 668.28 | 75.01 | 8.99 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6811.58 | 6503.85 | -1293.05 | 1089.55 | -62.12 | 679.53 | 76.45 | 8.96 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6897.22 | 6568.48 | -1311.49 | 1036.57 | -63.69 | 689.98 | 78.07 | 8.91 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6982.02 | 6625.88 | -1328.51 | 976.58 | -64.33 | 699.38 | 80.31 | 8.78 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7066.19 | 6675.56 | -1343.96 | 910.47 | -64.58 | 707.47 | 83.08 | 8.58 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7149.92 | 6717.10 | -1357.68 | 839.14 | -64.66 | 714.07 | 86.37 | 8.33 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7233.38 | 6750.10 | -1369.53 | 763.46 | -64.73 | 719.02 | 90.14 | 8.03 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7316.73 | 6774.25 | -1379.40 | 684.34 | -64.84 | 722.23 | 94.28 | 7.71 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7400.16 | 6789.28 | -1387.17 | 602.69 | -65.05 | 723.63 | 98.71 | 7.38 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7461.14 | 6794.35 | -1391.45 | 542.09 | -65.27 | 723.51 | 102.05 | 7.13 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7483.82 | 6794.95 | -1392.73 | 519.46 | -65.32 | 723.36 | 103.30 | 7.04 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7582.23 | 6795.00 | -1397.68 | 421.17 | -65.32 | 723.34 | 108.65 | 6.69 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7682.23 | 6795.00 | -1402.69 | 321.30 | -65.32 | 723.33 | 114.40 | 6.36 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7782.23 | 6795.00 | -1407.71 | 221.43 | -65.32 | 723.32 | 120.47 | 6.03 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7882.23 | 6795.00 | -1412.72 | 121.55 | -65.32 | 723.32 | 126.81 | 5.73 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7982.23 | 6795.00 | -1417.74 | 21.68 | -65.32 | 723.31 | 133.37 | 5.45 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8082.23 | 6795.00 | -1422.75 | -78.20 | -65.32 | 723.30 | 140.13 | 5.18 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8182.23 | 6795.00 | -1427.77 | -178.07 | -65.32 | 723.29 | 147.06 | 4.94 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8282.23 | 6795.00 | -1432.78 | -277.95 | -65.32 | 723.28 | 154.14 | 4.71 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8382.23 | 6795.00 | -1437.80 | -377.82 | -65.32 | 723.27 | 161.34 | 4.50 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8482.23 | 6795.00 | -1442.81 | -477.69 | -65.32 | 723.26 | 168.66 | 4.30 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8582.23 | 6795.00 | -1447.83 | -577.57 | -65.32 | 723.25 | 176.07 | 4.12 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8682.23 | 6795.00 | -1452.84 | -677.44 | -65.32 | 723.24 | 183.56 | 3.95 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8782.23 | 6795.00 | -1457.86 | -777.32 | -65.32 | 723.24 | 191.13 | 3.79 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 8882.23 | 6795.00 | -1462.87 | -877.19 | -65.32 | 723.23 | 198.77 | 3.65 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 8982.23 | 6795.00 | -1467.89 | -977.06 | -65.32 | 723.22 | 206.46 | 3.51 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9082.23 | 6795.00 | -1472.90 | -1076.94 | -65.32 | 723.21 | 214.21 | 3.38 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9182.23 | 6795.00 | -1477.91 | -1176.81 | -65.32 | 723.20 | 222.01 | 3.26 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9282.23 | 6795.00 | -1482.93 | -1276.69 | -65.32 | 723.19 | 229.85 | 3.15 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9382.23 | 6795.00 | -1487.94 | -1376.56 | -65.32 | 723.18 | 237.72 | 3.05 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9482.23 | 6795.00 | -1492.96 | -1476.44 | -65.32 | 723.17 | 245.63 | 2.95 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9582.23 | 6795.00 | -1497.97 | -1576.31 | -65.32 | 723.16 | 253.57 | 2.86 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9682.23 | 6795.00 | -1502.99 | -1676.18 | -65.32 | 723.16 | 261.54 | 2.77 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9782.23 | 6795.00 | -1508.00 | -1776.06 | -65.32 | 723.15 | 269.54 | 2.69 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 9882.23 | 6795.00 | -1513.02 | -1875.93 | -65.32 | 723.14 | 277.55 | 2.61 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 9982.23 | 6795.00 | -1518.03 | -1975.81 | -65.32 | 723.13 | 285.59 | 2.54 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10082.23 | 6795.00 | -1523.05 | -2075.68 | -65.32 | 723.12 | 293.65 | 2.47 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10182.23 | 6795.00 | -1528.06 | -2175.56 | -65.31 | 723.11 | 301.73 | 2.40 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10282.23 | 6795.00 | -1533.08 | -2275.43 | -65.31 | 723.10 | 309.83 | 2.34 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10382.23 | 6795.00 | -1538.09 | -2375.30 | -65.31 | 723.09 | 317.94 | 2.28 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10482.23 | 6795.00 | -1543.11 | -2475.18 | -65.31 | 723.08 | 326.06 | 2.22 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10582.23 | 6795.00 | -1548.12 | -2575.05 | -65.31 | 723.08 | 334.20 | 2.17 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10682.23 | 6795.00 | -1553.14 | -2674.93 | -65.31 | 723.07 | 342.35 | 2.11 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10782.23 | 6795.00 | -1558.15 | -2774.80 | -65.31 | 723.06 | 350.51 | 2.07 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 10882.23 | 6795.00 | -1563.17 | -2874.67 | -65.31 | 723.05 | 358.68 | 2.02 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 10982.23 | 6795.00 | -1568.18 | -2974.55 | -65.31 | 723.04 | 366.86 | 1.97 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11082.23 | 6795.00 | -1573.19 | -3074.42 | -65.31 | 723.03 | 375.05 | 1.93 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11182.23 | 6795.00 | -1578.21 | -3174.30 | -65.31 | 723.02 | 383.25 | 1.89 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11282.23 | 6795.00 | -1583.22 | -3274.17 | -65.31 | 723.01 | 391.46 | 1.85 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 68 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11382.23 | 6795.00 | -1588.24 | -3374.05 | -65.31 | 723.00 | 399.68 | 1.81 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11482.23 | 6795.00 | -1593.25 | -3473.92 | -65.31 | 723.00 | 407.90 | 1.77 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11582.23 | 6795.00 | -1598.27 | -3573.79 | -65.31 | 722.99 | 416.13 | 1.74 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11682.23 | 6795.00 | -1603.28 | -3673.67 | -65.31 | 722.98 | 424.36 | 1.70 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11782.23 | 6795.00 | -1608.30 | -3773.54 | -65.31 | 722.97 | 432.61 | 1.67 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 11882.23 | 6795.00 | -1613.31 | -3873.42 | -65.31 | 722.96 | 440.85 | 1.64 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 11982.23 | 6795.00 | -1618.33 | -3973.29 | -65.31 | 722.95 | 449.11 | 1.61 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12082.23 | 6795.00 | -1623.34 | -4073.16 | -65.31 | 722.94 | 457.36 | 1.58 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12182.23 | 6795.00 | -1628.36 | -4173.04 | -65.31 | 722.93 | 465.63 | 1.55 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12282.23 | 6795.00 | -1633.37 | -4272.91 | -65.31 | 722.92 | 473.89 | 1.53 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12382.23 | 6795.00 | -1638.39 | -4372.79 | -65.31 | 722.92 | 482.16 | 1.50 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12482.23 | 6795.00 | -1643.40 | -4472.66 | -65.31 | 722.91 | 490.44 | 1.47 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12582.23 | 6795.00 | -1648.42 | -4572.54 | -65.31 | 722.90 | 498.72 | 1.45 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12682.23 | 6795.00 | -1653.43 | -4672.41 | -65.31 | 722.89 | 507.00 | 1.43 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12782.23 | 6795.00 | -1658.44 | -4772.28 | -65.31 | 722.88 | 515.29 | 1.40 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 12882.23 | 6795.00 | -1663.46 | -4872.16 | -65.31 | 722.87 | 523.58 | 1.38 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 12982.23 | 6795.00 | -1668.47 | -4972.03 | -65.31 | 722.86 | 531.87 | 1.36 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13082.23 | 6795.00 | -1673.49 | -5071.91 | -65.31 | 722.85 | 540.16 | 1.34 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13182.23 | 6795.00 | -1678.50 | -5171.78 | -65.31 | 722.84 | 548.46 | 1.32 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13282.23 | 6795.00 | -1683.52 | -5271.65 | -65.30 | 722.84 | 556.76 | 1.30 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13382.23 | 6795.00 | -1688.53 | -5371.53 | -65.30 | 722.83 | 565.07 | 1.28 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13482.23 | 6795.00 | -1693.55 | -5471.40 | -65.30 | 722.82 | 573.37 | 1.26 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13582.23 | 6795.00 | -1698.56 | -5571.28 | -65.30 | 722.81 | 581.68 | 1.24 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13682.23 | 6795.00 | -1703.58 | -5671.15 | -65.30 | 722.80 | 589.99 | 1.23 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13782.23 | 6795.00 | -1708.59 | -5771.03 | -65.30 | 722.79 | 598.31 | 1.21 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 13882.23 | 6795.00 | -1713.61 | -5870.90 | -65.30 | 722.78 | 606.62 | 1.19 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 13982.23 | 6795.00 | -1718.62 | -5970.77 | -65.30 | 722.77 | 614.94 | 1.18 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14082.23 | 6795.00 | -1723.64 | -6070.65 | -65.30 | 722.76 | 623.26 | 1.16 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14182.23 | 6795.00 | -1728.65 | -6170.52 | -65.30 | 722.76 | 631.58 | 1.14 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14282.23 | 6795.00 | -1733.67 | -6270.40 | -65.30 | 722.75 | 639.90 | 1.13 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#21 GOETZEL 13N-30A-M (2157'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13N-30A-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14382.23 | 6795.00 | -1738.68 | -6370.27 | -65.30 | 722.74 | 648.23 | 1.12 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14482.23 | 6795.00 | -1743.70 | -6470.14 | -65.30 | 722.73 | 656.56 | 1.10 | PASS |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14582.23 | 6795.00 | -1748.71 | -6570.02 | -65.30 | 722.72 | 664.88 | 1.09 | PASS |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14682.23 | 6795.00 | -1753.72 | -6669.89 | -65.30 | 722.71 | 673.21 | 1.07 | PASS |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14782.23 | 6795.00 | -1758.74 | -6769.77 | -65.30 | 722.70 | 681.54 | 1.06 | PASS |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 14882.23 | 6795.00 | -1763.75 | -6869.64 | -65.30 | 722.69 | 689.88 | 1.05 | PASS |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 14982.23 | 6795.00 | -1768.77 | -6969.52 | -65.30 | 722.68 | 698.21 | 1.04 | PASS |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15082.23 | 6795.00 | -1773.78 | -7069.39 | -65.30 | 722.68 | 706.54 | 1.02 | PASS |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15182.23 | 6795.00 | -1778.80 | -7169.26 | -65.30 | 722.67 | 714.88 | 1.01 | PASS |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15282.23 | 6795.00 | -1783.81 | -7269.14 | -65.30 | 722.66 | 723.22 | 1.00 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15382.23 | 6795.00 | -1788.83 | -7369.01 | -65.30 | 722.65 | 731.56 | 0.99 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15482.23 | 6795.00 | -1793.84 | -7468.89 | -65.30 | 722.64 | 739.90 | 0.98 | FAIL |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15582.23 | 6795.00 | -1798.86 | -7568.76 | -65.30 | 722.63 | 748.24 | 0.97 | FAIL |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15682.23 | 6795.00 | -1803.87 | -7668.64 | -65.30 | 722.62 | 756.58 | 0.96 | FAIL |
| 15961.00† | 7097.00 | -1150.02 | -7737.51 | 15718.23 | 6795.00 | -1805.68 | -7704.59 | -65.30 | 722.62 | 759.58 | 0.95 | FAIL |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15718.77 | 6795.00 | -1805.70 | -7705.13 | -65.30 | 722.62 | 759.27 | 0.95 | FAIL |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1682.68 | -36.64 | -0.33 | -68.66 | 34.85 |
| 8.5in Open Hole | 1700.00 | 15749.00 | 14049.00 | 1682.68 | 6795.00 | -68.66 | 34.85 | -569.16 | -2357.89 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 13N-30A-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|-----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 13N-30A-M PWB |
| 1700.00 | 15749.99 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 13N-30A-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 13N-30A-M PWB Offset Wellpath: GOETZEL 13N-30A-M REV-A.0 PWP

| | |
|-----------------------------------|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 50.13 | 151.91 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 100.00 | 125.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 52.43 | 145.12 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 200.00 | 225.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 54.74 | 138.90 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 300.00 | 325.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 57.05 | 133.18 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 400.00 | 425.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 59.19 | 127.91 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 500.00 | 525.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 61.51 | 123.02 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 600.00 | 625.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 63.83 | 118.49 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 700.00 | 725.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 66.16 | 114.28 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 800.00 | 825.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 68.49 | 110.35 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 900.00 | 925.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 70.82 | 106.67 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1000.00 | 1025.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 73.16 | 103.22 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1100.00 | 1125.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 75.51 | 99.99 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1125.00 | 1150.00 | -1693.01 | -7281.25 | -103.09 | 7475.48 | 76.09 | 99.21 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1199.99 | 1224.99 | -1693.01 | -7281.25 | 141.19 | 7476.25 | 77.86 | 96.95 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1299.89 | 1324.89 | -1693.01 | -7281.25 | 141.17 | 7479.65 | 80.23 | 94.10 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1399.58 | 1424.58 | -1693.01 | -7281.25 | 141.13 | 7485.77 | 82.61 | 91.43 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1498.93 | 1523.93 | -1693.01 | -7281.25 | 141.07 | 7494.60 | 85.00 | 88.95 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1597.83 | 1622.83 | -1693.01 | -7281.25 | 141.00 | 7506.14 | 87.38 | 86.64 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1696.15 | 1721.15 | -1693.01 | -7281.25 | 140.91 | 7520.39 | 89.52 | 84.52 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1793.77 | 1818.77 | -1693.01 | -7281.25 | 140.79 | 7537.33 | 91.82 | 82.57 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1890.58 | 1915.58 | -1693.01 | -7281.25 | 140.66 | 7556.96 | 94.12 | 80.75 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1913.55 | 1938.55 | -1693.01 | -7281.25 | 140.62 | 7562.04 | 94.66 | 80.34 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1986.75 | 2011.75 | -1693.01 | -7281.25 | 140.72 | 7578.51 | 96.39 | 79.07 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2082.88 | 2107.88 | -1693.01 | -7281.25 | 140.85 | 7600.16 | 98.67 | 77.45 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2179.02 | 2204.02 | -1693.01 | -7281.25 | 140.98 | 7621.86 | 100.97 | 75.89 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2275.16 | 2300.16 | -1693.01 | -7281.25 | 141.11 | 7643.59 | 103.28 | 74.39 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2371.29 | 2396.29 | -1693.01 | -7281.25 | 141.23 | 7665.36 | 105.61 | 72.95 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2467.43 | 2492.43 | -1693.01 | -7281.25 | 141.36 | 7687.17 | 107.96 | 71.56 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2563.57 | 2588.57 | -1693.01 | -7281.25 | 141.49 | 7709.01 | 110.32 | 70.22 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2659.71 | 2684.71 | -1693.01 | -7281.25 | 141.61 | 7730.89 | 112.70 | 68.93 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2755.84 | 2780.84 | -1693.01 | -7281.25 | 141.74 | 7752.80 | 115.09 | 67.68 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2851.98 | 2876.98 | -1693.01 | -7281.25 | 141.86 | 7774.75 | 117.50 | 66.47 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2948.12 | 2973.12 | -1693.01 | -7281.25 | 141.98 | 7796.74 | 119.92 | 65.31 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3044.25 | 3069.25 | -1693.01 | -7281.25 | 142.10 | 7818.76 | 122.35 | 64.18 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3140.39 | 3165.39 | -1693.01 | -7281.25 | 142.23 | 7840.82 | 124.80 | 63.10 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3236.53 | 3261.53 | -1693.01 | -7281.25 | 142.35 | 7862.91 | 127.26 | 62.04 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3332.67 | 3357.67 | -1693.01 | -7281.25 | 142.47 | 7885.03 | 129.74 | 61.03 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3428.80 | 3453.80 | -1693.01 | -7281.25 | 142.59 | 7907.19 | 132.22 | 60.04 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3524.94 | 3549.94 | -1693.01 | -7281.25 | 142.71 | 7929.38 | 134.72 | 59.09 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3621.08 | 3646.08 | -1693.01 | -7281.25 | 142.82 | 7951.61 | 137.23 | 58.17 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3717.21 | 3742.21 | -1693.01 | -7281.25 | 142.94 | 7973.87 | 139.75 | 57.27 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3813.35 | 3838.35 | -1693.01 | -7281.25 | 143.06 | 7996.16 | 142.29 | 56.41 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3909.49 | 3934.49 | -1693.01 | -7281.25 | 143.18 | 8018.48 | 144.83 | 55.57 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4005.63 | 4030.63 | -1693.01 | -7281.25 | 143.29 | 8040.84 | 147.38 | 54.76 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4101.76 | 4126.76 | -1693.01 | -7281.25 | 143.41 | 8063.23 | 149.94 | 53.97 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4197.90 | 4222.90 | -1693.01 | -7281.25 | 143.52 | 8085.65 | 152.51 | 53.20 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4294.04 | 4319.04 | -1693.01 | -7281.25 | 143.64 | 8108.10 | 155.09 | 52.46 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4390.17 | 4415.17 | -1693.01 | -7281.25 | 143.75 | 8130.58 | 157.68 | 51.74 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4486.31 | 4511.31 | -1693.01 | -7281.25 | 143.86 | 8153.09 | 160.28 | 51.04 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4582.45 | 4607.45 | -1693.01 | -7281.25 | 143.98 | 8175.64 | 162.88 | 50.36 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4678.58 | 4703.58 | -1693.01 | -7281.25 | 144.09 | 8198.21 | 165.50 | 49.70 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4774.72 | 4799.72 | -1693.01 | -7281.25 | 144.20 | 8220.82 | 168.12 | 49.05 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4870.86 | 4895.86 | -1693.01 | -7281.25 | 144.31 | 8243.45 | 170.74 | 48.43 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4967.00 | 4992.00 | -1693.01 | -7281.25 | 144.42 | 8266.11 | 173.38 | 47.82 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5063.13 | 5088.13 | -1693.01 | -7281.25 | 144.53 | 8288.81 | 176.02 | 47.23 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5159.27 | 5184.27 | -1693.01 | -7281.25 | 144.64 | 8311.53 | 178.66 | 46.66 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5255.41 | 5280.41 | -1693.01 | -7281.25 | 144.75 | 8334.28 | 181.31 | 46.10 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5351.54 | 5376.54 | -1693.01 | -7281.25 | 144.85 | 8357.06 | 183.97 | 45.56 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5447.68 | 5472.68 | -1693.01 | -7281.25 | 144.96 | 8379.87 | 186.63 | 45.03 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5543.82 | 5568.82 | -1693.01 | -7281.25 | 145.07 | 8402.71 | 189.30 | 44.51 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5639.96 | 5664.96 | -1693.01 | -7281.25 | 145.17 | 8425.58 | 191.98 | 44.01 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5736.09 | 5761.09 | -1693.01 | -7281.25 | 145.28 | 8448.47 | 194.65 | 43.52 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5832.23 | 5857.23 | -1693.01 | -7281.25 | 145.38 | 8471.39 | 197.34 | 43.04 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5928.37 | 5953.37 | -1693.01 | -7281.25 | 145.49 | 8494.34 | 200.02 | 42.58 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6024.50 | 6049.50 | -1693.01 | -7281.25 | 145.59 | 8517.31 | 202.72 | 42.13 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6120.64 | 6145.64 | -1693.01 | -7281.25 | 145.69 | 8540.31 | 205.41 | 41.68 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6190.94 | 6215.94 | -1693.01 | -7281.25 | 145.77 | 8557.15 | 207.38 | 41.37 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6216.89 | 6241.89 | -1693.01 | -7281.25 | 141.64 | 8562.85 | 208.11 | 41.25 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6314.96 | 6339.96 | -1693.01 | -7281.25 | 111.58 | 8575.37 | 210.90 | 40.76 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6413.96 | 6438.96 | -1693.01 | -7281.25 | 57.72 | 8574.04 | 213.90 | 40.18 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6511.95 | 6536.95 | -1693.01 | -7281.25 | 28.67 | 8558.88 | 216.90 | 39.56 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6607.03 | 6632.03 | -1693.01 | -7281.25 | 17.20 | 8530.17 | 219.83 | 38.90 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6697.35 | 6722.35 | -1693.01 | -7281.25 | 11.49 | 8488.47 | 222.49 | 38.24 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6781.15 | 6806.15 | -1693.01 | -7281.25 | 7.99 | 8434.59 | 224.86 | 37.60 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6856.80 | 6881.80 | -1693.01 | -7281.25 | 5.45 | 8369.57 | 226.93 | 36.97 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6922.83 | 6947.83 | -1693.01 | -7281.25 | 3.24 | 8294.67 | 228.68 | 36.36 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6977.95 | 7002.95 | -1693.01 | -7281.25 | 0.84 | 8211.35 | 230.10 | 35.77 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7021.09 | 7046.09 | -1693.01 | -7281.25 | -2.51 | 8121.22 | 231.17 | 35.21 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7051.41 | 7076.41 | -1693.01 | -7281.25 | -8.98 | 8026.05 | 231.92 | 34.69 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7068.32 | 7093.32 | -1693.01 | -7281.25 | -29.77 | 7927.68 | 232.33 | 34.20 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7855.01 | 232.44 | 33.87 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7828.03 | 232.45 | 33.75 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7728.29 | 232.50 | 33.32 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7628.57 | 232.55 | 32.88 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7528.84 | 232.60 | 32.44 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7429.13 | 232.66 | 32.00 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7329.42 | 232.73 | 31.56 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7229.73 | 232.80 | 31.13 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7130.04 | 232.89 | 30.69 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 7030.36 | 232.97 | 30.24 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 74 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6930.68 | 233.07 | 29.80 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6831.02 | 233.18 | 29.36 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6731.37 | 233.29 | 28.92 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6631.73 | 233.42 | 28.48 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6532.10 | 233.55 | 28.03 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6432.48 | 233.70 | 27.59 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6332.87 | 233.85 | 27.14 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6233.28 | 234.02 | 26.70 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6133.70 | 234.20 | 26.25 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 6034.13 | 234.40 | 25.80 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5934.58 | 234.60 | 25.35 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5835.04 | 234.83 | 24.90 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5735.52 | 235.07 | 24.45 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5636.01 | 235.33 | 24.00 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5536.53 | 235.61 | 23.55 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5437.06 | 235.90 | 23.10 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5337.61 | 236.22 | 22.65 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5238.18 | 236.56 | 22.19 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5138.78 | 236.93 | 21.74 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 5039.40 | 237.32 | 21.28 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4940.04 | 237.74 | 20.82 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4840.71 | 238.19 | 20.37 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4741.41 | 238.68 | 19.91 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4642.14 | 239.19 | 19.45 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4542.90 | 239.75 | 18.99 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4443.69 | 240.35 | 18.53 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4344.52 | 240.99 | 18.07 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4245.39 | 241.68 | 17.60 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4146.30 | 242.42 | 17.14 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 4047.26 | 243.21 | 16.68 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 75 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3948.27 | 244.07 | 16.21 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3849.32 | 244.99 | 15.74 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3750.44 | 245.99 | 15.28 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3651.61 | 247.06 | 14.81 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3552.85 | 248.21 | 14.34 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3454.16 | 249.46 | 13.87 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3355.55 | 250.81 | 13.41 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3257.02 | 252.27 | 12.94 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3158.58 | 253.85 | 12.47 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 3060.25 | 255.57 | 12.00 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2962.03 | 257.43 | 11.53 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2863.93 | 259.45 | 11.06 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2765.97 | 261.66 | 10.59 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2668.16 | 264.06 | 10.12 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2570.51 | 266.69 | 9.66 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2473.06 | 269.56 | 9.19 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2375.81 | 272.71 | 8.73 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2278.81 | 276.18 | 8.27 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2182.08 | 279.99 | 7.81 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 2085.65 | 284.20 | 7.35 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1989.58 | 288.86 | 6.90 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1893.91 | 294.04 | 6.45 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1798.72 | 299.80 | 6.01 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1704.07 | 306.25 | 5.57 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1610.07 | 313.47 | 5.14 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1516.85 | 321.60 | 4.72 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1424.54 | 330.79 | 4.31 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1333.33 | 341.22 | 3.91 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1243.49 | 353.10 | 3.53 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1155.31 | 366.67 | 3.15 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#02 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) Well: ETTER #30-33 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 1069.22 | 382.21 | 2.80 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 985.75 | 400.02 | 2.47 | PASS |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 905.64 | 420.40 | 2.16 | PASS |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 829.86 | 443.52 | 1.87 | PASS |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 759.70 | 469.34 | 1.62 | PASS |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 696.87 | 497.29 | 1.40 | PASS |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 643.51 | 525.90 | 1.22 | PASS |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 602.15 | 552.45 | 1.09 | PASS |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 575.39 | 573.07 | 1.00 | PASS |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 565.29 | 583.86 | 0.97 | FAIL |
| 15532.08† | 7097.00 | -1128.47 | -7309.14 | 7071.41 | 7096.41 | -1693.01 | -7281.25 | -89.94 | 565.24 | 584.17 | 0.97 | FAIL |
| 15545.74† | 7097.00 | -1129.15 | -7322.78 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 565.39 | 584.63 | 0.97 | FAIL |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 572.74 | 582.75 | 0.98 | FAIL |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 597.08 | 570.68 | 1.05 | PASS |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 636.39 | 550.97 | 1.16 | PASS |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 688.09 | 527.46 | 1.30 | PASS |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 7072.00 | 7097.00 | -1693.01 | -7281.25 | -90.00 | 709.57 | 518.20 | 1.37 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 12.25in Open Hole | 0.00 | 399.00 | 399.00 | 0.00 | 399.00 | -1031.41 | -4438.80 | -1031.41 | -4438.80 |
| 8.625in Casing Surface | 0.00 | 399.00 | 399.00 | 0.00 | 399.00 | -1031.41 | -4438.80 | -1031.41 | -4438.80 |
| 7.875in Open Hole | 399.00 | 7229.00 | 6830.00 | 399.00 | 7229.00 | -1031.41 | -4438.80 | -1031.41 | -4438.80 |
| 4.5in Casing Production | 0.00 | 7229.00 | 7229.00 | 0.00 | 7229.00 | -1031.41 | -4438.80 | -1031.41 | -4438.80 |

WELLPATH COMPOSITION - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|---|------------------|
| 0.00 | 7237.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7237' FROM CO WEBSITE> | ETTER #30-33 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: ETTER #30-33 AWB Offset Wellpath: ETTER #30-33 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#03 EX:ETTER #30-33 (860'FSL & 604'FWL SEC.30, 7237'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) Well: GOETZEL #2-39 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -3.00 | 25.00 | -240.47 | 138.01 | 150.15 | 277.26 | 25.73 | 11.22 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 97.00 | 125.00 | -240.47 | 138.01 | 150.15 | 277.26 | 50.70 | 5.55 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 197.00 | 225.00 | -240.47 | 138.01 | 150.15 | 277.26 | 52.26 | 5.39 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 297.00 | 325.00 | -240.47 | 138.01 | 150.15 | 277.26 | 54.70 | 5.14 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 397.00 | 425.00 | -240.47 | 138.01 | 150.15 | 277.26 | 57.82 | 4.86 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 497.00 | 525.00 | -240.47 | 138.01 | 150.15 | 277.26 | 61.26 | 4.57 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 597.00 | 625.00 | -240.47 | 138.01 | 150.15 | 277.26 | 65.25 | 4.29 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 697.00 | 725.00 | -240.47 | 138.01 | 150.15 | 277.26 | 69.51 | 4.02 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 797.00 | 825.00 | -240.47 | 138.01 | 150.15 | 277.26 | 73.97 | 3.78 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 897.00 | 925.00 | -240.47 | 138.01 | 150.15 | 277.26 | 78.58 | 3.55 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 997.00 | 1025.00 | -240.47 | 138.01 | 150.15 | 277.26 | 83.31 | 3.35 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1097.00 | 1125.00 | -240.47 | 138.01 | 150.15 | 277.26 | 88.13 | 3.17 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1122.00 | 1150.00 | -240.47 | 138.01 | 150.15 | 277.26 | 89.35 | 3.12 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1196.99 | 1224.99 | -240.47 | 138.01 | 34.56 | 276.45 | 93.02 | 2.99 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1296.89 | 1324.89 | -240.47 | 138.01 | 35.12 | 272.87 | 97.99 | 2.80 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1396.58 | 1424.58 | -240.47 | 138.01 | 36.16 | 266.49 | 103.02 | 2.60 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1495.93 | 1523.93 | -240.47 | 138.01 | 37.76 | 257.42 | 108.06 | 2.39 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1594.83 | 1622.83 | -240.47 | 138.01 | 40.01 | 245.86 | 113.12 | 2.18 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1693.15 | 1721.15 | -240.47 | 138.01 | 43.07 | 232.12 | 117.93 | 1.97 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1790.77 | 1818.77 | -240.47 | 138.01 | 47.16 | 216.65 | 122.89 | 1.77 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1887.58 | 1915.58 | -240.47 | 138.01 | 52.58 | 200.19 | 127.83 | 1.57 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1910.55 | 1938.55 | -240.47 | 138.01 | 54.11 | 196.23 | 129.01 | 1.52 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1983.75 | 2011.75 | -240.47 | 138.01 | 59.24 | 184.39 | 132.75 | 1.39 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2079.88 | 2107.88 | -240.47 | 138.01 | 66.91 | 171.51 | 137.70 | 1.25 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2176.02 | 2204.02 | -240.47 | 138.01 | 75.56 | 162.31 | 142.70 | 1.14 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2272.16 | 2300.16 | -240.47 | 138.01 | 84.93 | 157.45 | 147.74 | 1.07 | PASS |
| 2379.10† | 2352.17 | -99.39 | 206.41 | 2323.98 | 2351.98 | -240.47 | 138.01 | 90.13 | 156.78 | 150.49 | 1.04 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2368.29 | 2396.29 | -240.47 | 138.01 | 94.57 | 157.32 | 152.84 | 1.03 | PASS |
| 2488.27† | 2457.12 | -112.43 | 233.48 | 2429.12 | 2457.12 | -240.47 | 138.01 | 100.58 | 159.71 | 156.08 | 1.02 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2464.43 | 2492.43 | -240.47 | 138.01 | 103.97 | 161.94 | 157.97 | 1.03 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) Well: GOETZEL #2-39 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 |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2560.57 | 2588.57 | -240.47 | 138.01 | 112.66 | 170.93 | 163.11 | 1.05 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2656.71 | 2684.71 | -240.47 | 138.01 | 120.39 | 183.64 | 168.26 | 1.09 | PASS |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2752.84 | 2780.84 | -240.47 | 138.01 | 127.06 | 199.36 | 173.42 | 1.15 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2848.98 | 2876.98 | -240.47 | 138.01 | 132.74 | 217.45 | 178.58 | 1.22 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2945.12 | 2973.12 | -240.47 | 138.01 | 137.54 | 237.35 | 183.74 | 1.29 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3041.25 | 3069.25 | -240.47 | 138.01 | 141.60 | 258.66 | 188.91 | 1.37 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3137.39 | 3165.39 | -240.47 | 138.01 | 145.04 | 281.04 | 194.08 | 1.45 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3233.53 | 3261.53 | -240.47 | 138.01 | 147.98 | 304.28 | 199.27 | 1.53 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3329.67 | 3357.67 | -240.47 | 138.01 | 150.51 | 328.17 | 204.47 | 1.61 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3425.80 | 3453.80 | -240.47 | 138.01 | 152.69 | 352.60 | 209.68 | 1.68 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3521.94 | 3549.94 | -240.47 | 138.01 | 154.59 | 377.45 | 214.90 | 1.76 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3618.08 | 3646.08 | -240.47 | 138.01 | 156.26 | 402.65 | 220.13 | 1.83 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3714.21 | 3742.21 | -240.47 | 138.01 | 157.74 | 428.14 | 225.38 | 1.90 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3810.35 | 3838.35 | -240.47 | 138.01 | 159.05 | 453.87 | 230.64 | 1.97 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3906.49 | 3934.49 | -240.47 | 138.01 | 160.22 | 479.79 | 235.90 | 2.04 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4002.63 | 4030.63 | -240.47 | 138.01 | 161.27 | 505.89 | 241.18 | 2.10 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4098.76 | 4126.76 | -240.47 | 138.01 | 162.22 | 532.13 | 246.47 | 2.16 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4194.90 | 4222.90 | -240.47 | 138.01 | 163.08 | 558.49 | 251.77 | 2.22 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4291.04 | 4319.04 | -240.47 | 138.01 | 163.86 | 584.96 | 257.08 | 2.28 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4387.17 | 4415.17 | -240.47 | 138.01 | 164.58 | 611.52 | 262.40 | 2.33 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4483.31 | 4511.31 | -240.47 | 138.01 | 165.23 | 638.17 | 267.72 | 2.39 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4579.45 | 4607.45 | -240.47 | 138.01 | 165.84 | 664.88 | 273.06 | 2.44 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4675.58 | 4703.58 | -240.47 | 138.01 | 166.39 | 691.66 | 278.40 | 2.49 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4771.72 | 4799.72 | -240.47 | 138.01 | 166.91 | 718.50 | 283.76 | 2.54 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4867.86 | 4895.86 | -240.47 | 138.01 | 167.39 | 745.38 | 289.12 | 2.58 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4964.00 | 4992.00 | -240.47 | 138.01 | 167.83 | 772.32 | 294.49 | 2.63 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5060.13 | 5088.13 | -240.47 | 138.01 | 168.25 | 799.29 | 299.87 | 2.67 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5156.27 | 5184.27 | -240.47 | 138.01 | 168.63 | 826.30 | 305.25 | 2.71 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5252.41 | 5280.41 | -240.47 | 138.01 | 169.00 | 853.34 | 310.64 | 2.75 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5348.54 | 5376.54 | -240.47 | 138.01 | 169.34 | 880.41 | 316.04 | 2.79 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) Well: GOETZEL #2-39 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 |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5444.68 | 5472.68 | -240.47 | 138.01 | 169.66 | 907.51 | 321.44 | 2.83 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5540.82 | 5568.82 | -240.47 | 138.01 | 169.96 | 934.63 | 326.85 | 2.86 | PASS |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5636.96 | 5664.96 | -240.47 | 138.01 | 170.25 | 961.78 | 332.27 | 2.90 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5733.09 | 5761.09 | -240.47 | 138.01 | 170.52 | 988.95 | 337.69 | 2.93 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5829.23 | 5857.23 | -240.47 | 138.01 | 170.77 | 1016.13 | 343.12 | 2.96 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5925.37 | 5953.37 | -240.47 | 138.01 | 171.02 | 1043.34 | 348.55 | 3.00 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6021.50 | 6049.50 | -240.47 | 138.01 | 171.25 | 1070.56 | 353.99 | 3.03 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6117.64 | 6145.64 | -240.47 | 138.01 | 171.46 | 1097.79 | 359.43 | 3.06 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6187.94 | 6215.94 | -240.47 | 138.01 | 171.62 | 1117.72 | 363.42 | 3.08 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6213.89 | 6241.89 | -240.47 | 138.01 | 167.28 | 1124.59 | 364.89 | 3.09 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6311.96 | 6339.96 | -240.47 | 138.01 | 136.94 | 1142.10 | 370.54 | 3.09 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6410.96 | 6438.96 | -240.47 | 138.01 | 83.49 | 1146.76 | 376.57 | 3.05 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6508.95 | 6536.95 | -240.47 | 138.01 | 55.58 | 1138.65 | 382.64 | 2.98 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6604.03 | 6632.03 | -240.47 | 138.01 | 46.04 | 1118.17 | 388.51 | 2.88 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6694.35 | 6722.35 | -240.47 | 138.01 | 43.21 | 1086.04 | 393.88 | 2.76 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6778.15 | 6806.15 | -240.47 | 138.01 | 43.78 | 1043.28 | 398.78 | 2.62 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6853.80 | 6881.80 | -240.47 | 138.01 | 46.81 | 991.28 | 403.23 | 2.46 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6919.83 | 6947.83 | -240.47 | 138.01 | 52.03 | 931.74 | 407.27 | 2.29 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6974.95 | 7002.95 | -240.47 | 138.01 | 59.27 | 866.72 | 410.98 | 2.11 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7018.09 | 7046.09 | -240.47 | 138.01 | 68.02 | 798.67 | 414.52 | 1.93 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7048.41 | 7076.41 | -240.47 | 138.01 | 77.19 | 730.44 | 418.06 | 1.75 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7065.32 | 7093.32 | -240.47 | 138.01 | 85.36 | 665.30 | 421.76 | 1.58 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 621.77 | 424.61 | 1.46 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 606.88 | 425.72 | 1.43 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 559.78 | 430.40 | 1.30 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 527.65 | 435.61 | 1.21 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 513.29 | 440.50 | 1.17 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 518.19 | 444.14 | 1.17 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 541.83 | 446.07 | 1.21 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 581.92 | 446.41 | 1.30 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) Well: GOETZEL #2-39 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 |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 635.36 | 445.68 | 1.43 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 699.10 | 444.36 | 1.57 | PASS |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 770.58 | 442.83 | 1.74 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 847.85 | 441.28 | 1.92 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7069.00 | 7097.00 | -240.47 | 138.01 | 90.00 | 929.47 | 439.82 | 2.11 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.25in Open Hole | 0.00 | 436.00 | 436.00 | 3.00 | 439.00 | -146.59 | 84.13 | -146.59 | 84.13 |
| 9.625in Casing Surface | 0.00 | 436.00 | 436.00 | 3.00 | 439.00 | -146.59 | 84.13 | -146.59 | 84.13 |
| 7.875in Open Hole | 436.00 | 7248.00 | 6812.00 | 439.00 | 7251.00 | -146.59 | 84.13 | -146.59 | 84.13 |
| 5.5in Casing Production | 0.00 | 7248.00 | 7248.00 | 3.00 | 7251.00 | -146.59 | 84.13 | -146.59 | 84.13 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|--|-------------------|
| 0.00 | 7292.00 | Custom Drift Indicator (2.0 Maximum Inclination) | ASSUMED VERTICAL TO SURFACE-2DEG CONE <7292> | GOETZEL #2-39 AWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #2-39 AWB Offset Wellpath: GOETZEL #2-39 AWP | |
|---|---|
| MD Reference: Rig on SLOT#05 EX GOETZEL #2-39 (1988'FSL & 2185'FWL, SEC.29, PR, 7292) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 | |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -80.15 | -0.54 | -179.61 | 80.15 | 1.72 | 131.71 | PASS | |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -80.15 | -0.54 | -179.61 | 80.15 | 2.05 | 85.76 | PASS | |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -80.15 | -0.54 | -179.61 | 80.15 | 2.62 | 53.01 | PASS | |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | -80.15 | -0.54 | -179.61 | 80.15 | 3.22 | 37.74 | PASS | |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | -80.15 | -0.54 | -179.61 | 80.15 | 3.83 | 29.18 | PASS | |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | -80.15 | -0.54 | -179.61 | 80.15 | 4.45 | 23.74 | PASS | |
| 625.00† | 625.00 | 0.00 | 0.00 | 624.49 | 624.49 | -80.23 | -0.47 | -179.66 | 80.23 | 5.07 | 20.04 | PASS | |
| 725.00† | 725.00 | 0.00 | 0.00 | 722.37 | 722.33 | -82.11 | 1.19 | 179.17 | 82.16 | 5.79 | 17.36 | PASS | |
| 825.00† | 825.00 | 0.00 | 0.00 | 819.97 | 819.75 | -86.48 | 5.04 | 176.67 | 86.79 | 6.74 | 15.25 | PASS | |
| 925.00† | 925.00 | 0.00 | 0.00 | 917.05 | 916.41 | -93.30 | 11.04 | 173.25 | 94.35 | 7.67 | 14.24 | PASS | |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1013.42 | 1011.98 | -102.50 | 19.14 | 169.42 | 105.08 | 8.59 | 13.93 | PASS | |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1108.85 | 1106.18 | -113.97 | 29.25 | 165.61 | 119.16 | 9.51 | 14.08 | PASS | |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1132.54 | 1129.47 | -117.19 | 32.08 | 164.69 | 123.22 | 9.70 | 14.23 | PASS | |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1203.32 | 1198.87 | -127.65 | 41.29 | 46.46 | 136.02 | 10.37 | 14.60 | PASS | |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1297.17 | 1290.31 | -143.50 | 55.25 | 44.12 | 153.85 | 11.28 | 15.04 | PASS | |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1390.40 | 1380.41 | -161.46 | 71.07 | 42.62 | 172.36 | 12.21 | 15.45 | PASS | |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1483.01 | 1469.10 | -181.47 | 88.69 | 41.74 | 191.39 | 13.17 | 15.79 | PASS | |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1575.11 | 1556.39 | -203.49 | 108.09 | 41.30 | 210.85 | 14.06 | 16.21 | PASS | |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1673.41 | 1649.07 | -228.07 | 129.74 | 41.35 | 229.18 | 14.42 | 16.91 | PASS | |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1772.09 | 1742.12 | -252.75 | 151.47 | 41.95 | 244.96 | 14.53 | 17.67 | PASS | |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1871.06 | 1835.42 | -277.50 | 173.27 | 43.01 | 258.25 | 14.87 | 18.19 | PASS | |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1894.70 | 1857.71 | -283.41 | 178.48 | 43.32 | 261.06 | 14.95 | 18.28 | PASS | |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1970.14 | 1928.84 | -302.28 | 195.09 | 44.45 | 269.88 | 15.21 | 18.56 | PASS | |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2069.23 | 2022.27 | -327.06 | 216.92 | 45.83 | 281.62 | 15.67 | 18.77 | PASS | |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2168.32 | 2115.70 | -351.84 | 238.74 | 47.09 | 293.50 | 16.26 | 18.83 | PASS | |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2267.41 | 2209.12 | -376.62 | 260.57 | 48.26 | 305.51 | 16.94 | 18.78 | PASS | |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2366.51 | 2302.55 | -401.40 | 282.39 | 49.34 | 317.64 | 17.72 | 18.63 | PASS | |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2465.60 | 2395.98 | -426.18 | 304.22 | 50.33 | 329.87 | 18.59 | 18.41 | PASS | |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2564.69 | 2489.40 | -450.97 | 326.04 | 51.26 | 342.19 | 19.52 | 18.15 | PASS | |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2663.78 | 2582.83 | -475.75 | 347.87 | 52.12 | 354.59 | 20.52 | 17.86 | PASS | |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2762.87 | 2676.26 | -500.53 | 369.69 | 52.93 | 367.07 | 21.58 | 17.56 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2861.96 | 2769.68 | -525.31 | 391.51 | 53.68 | 379.61 | 22.68 | 17.25 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2961.05 | 2863.11 | -550.09 | 413.34 | 54.38 | 392.22 | 23.82 | 16.94 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3060.14 | 2956.54 | -574.87 | 435.16 | 55.04 | 404.88 | 25.00 | 16.64 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3159.23 | 3049.96 | -599.65 | 456.99 | 55.66 | 417.59 | 26.21 | 16.35 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3258.32 | 3143.39 | -624.43 | 478.81 | 56.25 | 430.34 | 27.44 | 16.07 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3357.41 | 3236.82 | -649.21 | 500.64 | 56.80 | 443.14 | 28.70 | 15.81 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3456.50 | 3330.24 | -673.99 | 522.46 | 57.31 | 455.98 | 29.98 | 15.55 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3555.59 | 3423.67 | -698.77 | 544.29 | 57.80 | 468.84 | 31.28 | 15.31 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3654.68 | 3517.10 | -723.55 | 566.11 | 58.27 | 481.75 | 32.59 | 15.09 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3753.78 | 3610.53 | -748.33 | 587.94 | 58.71 | 494.68 | 33.92 | 14.87 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3852.87 | 3703.95 | -773.12 | 609.76 | 59.13 | 507.63 | 35.26 | 14.67 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3951.96 | 3797.38 | -797.90 | 631.59 | 59.52 | 520.62 | 36.62 | 14.48 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4051.05 | 3890.81 | -822.68 | 653.41 | 59.90 | 533.62 | 37.98 | 14.30 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4150.14 | 3984.23 | -847.46 | 675.24 | 60.26 | 546.65 | 39.35 | 14.13 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4249.23 | 4077.66 | -872.24 | 697.06 | 60.60 | 559.70 | 40.73 | 13.97 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4348.32 | 4171.09 | -897.02 | 718.88 | 60.93 | 572.77 | 42.12 | 13.81 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4447.41 | 4264.51 | -921.80 | 740.71 | 61.24 | 585.85 | 43.52 | 13.67 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4546.50 | 4357.94 | -946.58 | 762.53 | 61.54 | 598.95 | 44.92 | 13.53 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4645.59 | 4451.37 | -971.36 | 784.36 | 61.83 | 612.07 | 46.32 | 13.40 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4744.68 | 4544.79 | -996.14 | 806.18 | 62.10 | 625.20 | 47.74 | 13.28 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4843.77 | 4638.22 | -1020.92 | 828.01 | 62.36 | 638.34 | 49.15 | 13.16 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4942.86 | 4731.65 | -1045.70 | 849.83 | 62.62 | 651.50 | 50.57 | 13.05 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5041.95 | 4825.07 | -1070.48 | 871.66 | 62.86 | 664.67 | 52.00 | 12.95 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5141.05 | 4918.50 | -1095.27 | 893.48 | 63.09 | 677.85 | 53.43 | 12.84 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5240.14 | 5011.93 | -1120.05 | 915.31 | 63.31 | 691.04 | 54.86 | 12.75 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5339.23 | 5105.35 | -1144.83 | 937.13 | 63.53 | 704.24 | 56.30 | 12.66 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5438.32 | 5198.78 | -1169.61 | 958.96 | 63.74 | 717.45 | 57.73 | 12.57 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5537.41 | 5292.21 | -1194.39 | 980.78 | 63.94 | 730.67 | 59.17 | 12.49 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5636.50 | 5385.63 | -1219.17 | 1002.61 | 64.13 | 743.90 | 60.62 | 12.41 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 85 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5735.59 | 5479.06 | -1243.95 | 1024.43 | 64.32 | 757.13 | 62.06 | 12.33 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5834.68 | 5572.49 | -1268.73 | 1046.26 | 64.50 | 770.38 | 63.51 | 12.25 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5933.77 | 5665.91 | -1293.51 | 1068.08 | 64.67 | 783.63 | 64.96 | 12.18 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6032.86 | 5759.34 | -1318.29 | 1089.90 | 64.84 | 796.88 | 66.42 | 12.12 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6131.95 | 5852.77 | -1343.07 | 1111.73 | 65.00 | 810.15 | 67.87 | 12.05 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6231.04 | 5946.20 | -1367.85 | 1133.55 | 65.16 | 823.42 | 69.33 | 11.99 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6303.50 | 6014.51 | -1385.97 | 1149.51 | 65.27 | 833.12 | 70.39 | 11.95 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6330.14 | 6039.63 | -1392.64 | 1155.38 | 61.37 | 836.65 | 70.76 | 11.93 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6428.94 | 6132.78 | -1417.34 | 1177.14 | 31.55 | 848.99 | 71.87 | 11.92 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6525.75 | 6224.06 | -1441.56 | 1198.46 | -22.93 | 860.32 | 72.66 | 11.95 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6615.40 | 6309.37 | -1464.37 | 1213.59 | -52.87 | 871.60 | 73.21 | 12.01 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6707.80 | 6398.37 | -1488.65 | 1217.56 | -65.18 | 883.37 | 73.82 | 12.07 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6804.15 | 6490.76 | -1514.35 | 1209.04 | -71.68 | 895.48 | 74.70 | 12.09 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6905.12 | 6585.33 | -1541.21 | 1186.40 | -75.85 | 907.72 | 76.06 | 12.04 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7011.44 | 6680.40 | -1568.83 | 1147.90 | -78.89 | 919.79 | 78.02 | 11.89 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7123.81 | 6773.57 | -1596.63 | 1091.79 | -81.30 | 931.34 | 80.70 | 11.63 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7242.86 | 6861.58 | -1623.77 | 1016.57 | -83.30 | 941.93 | 84.27 | 11.26 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7368.94 | 6940.16 | -1649.12 | 921.50 | -84.98 | 951.08 | 88.88 | 10.78 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7501.99 | 7004.13 | -1671.21 | 807.18 | -86.38 | 958.24 | 94.57 | 10.20 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7641.30 | 7047.94 | -1688.43 | 676.29 | -87.47 | 962.90 | 101.25 | 9.57 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7746.07 | 7064.26 | -1697.00 | 573.25 | -88.05 | 964.47 | 106.56 | 9.10 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7785.45 | 7066.60 | -1699.20 | 534.01 | -88.19 | 964.57 | 108.59 | 8.93 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7893.17 | 7067.00 | -1703.57 | 426.38 | -88.22 | 963.58 | 114.76 | 8.44 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7993.16 | 7067.00 | -1707.54 | 326.47 | -88.21 | 962.51 | 121.00 | 8.00 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 8093.16 | 7067.00 | -1711.50 | 226.55 | -88.21 | 961.45 | 127.61 | 7.57 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 8193.15 | 7067.00 | -1715.46 | 126.64 | -88.21 | 960.39 | 134.52 | 7.17 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8293.15 | 7067.00 | -1719.43 | 26.72 | -88.21 | 959.33 | 141.69 | 6.80 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8393.14 | 7067.00 | -1723.39 | -73.19 | -88.21 | 958.27 | 149.09 | 6.45 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8493.13 | 7067.00 | -1727.35 | -173.11 | -88.20 | 957.21 | 156.67 | 6.13 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8593.13 | 7067.00 | -1731.32 | -273.03 | -88.20 | 956.14 | 164.43 | 5.84 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8693.12 | 7067.00 | -1735.28 | -372.94 | -88.20 | 955.08 | 172.32 | 5.56 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8793.12 | 7067.00 | -1739.24 | -472.86 | -88.20 | 954.02 | 180.34 | 5.31 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8893.11 | 7067.00 | -1743.21 | -572.77 | -88.20 | 952.96 | 188.46 | 5.07 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8993.11 | 7067.00 | -1747.17 | -672.69 | -88.19 | 951.90 | 196.68 | 4.85 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 9093.10 | 7067.00 | -1751.13 | -772.61 | -88.19 | 950.84 | 204.99 | 4.65 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 9193.09 | 7067.00 | -1755.10 | -872.52 | -88.19 | 949.77 | 213.36 | 4.46 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9293.09 | 7067.00 | -1759.06 | -972.44 | -88.19 | 948.71 | 221.80 | 4.29 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9393.08 | 7067.00 | -1763.02 | -1072.35 | -88.19 | 947.65 | 230.30 | 4.12 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9493.08 | 7067.00 | -1766.99 | -1172.27 | -88.18 | 946.59 | 238.85 | 3.97 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9593.07 | 7067.00 | -1770.95 | -1272.18 | -88.18 | 945.53 | 247.45 | 3.83 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9693.07 | 7067.00 | -1774.91 | -1372.10 | -88.18 | 944.47 | 256.09 | 3.70 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9793.06 | 7067.00 | -1778.87 | -1472.02 | -88.18 | 943.40 | 264.76 | 3.57 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9893.06 | 7067.00 | -1782.84 | -1571.93 | -88.18 | 942.34 | 273.47 | 3.45 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9993.05 | 7067.00 | -1786.80 | -1671.85 | -88.17 | 941.28 | 282.21 | 3.34 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 10093.04 | 7067.00 | -1790.76 | -1771.76 | -88.17 | 940.22 | 290.98 | 3.24 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 10193.04 | 7067.00 | -1794.73 | -1871.68 | -88.17 | 939.16 | 299.77 | 3.14 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10293.03 | 7067.00 | -1798.69 | -1971.59 | -88.17 | 938.10 | 308.59 | 3.04 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10393.03 | 7067.00 | -1802.65 | -2071.51 | -88.17 | 937.03 | 317.43 | 2.96 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10493.02 | 7067.00 | -1806.62 | -2171.43 | -88.16 | 935.97 | 326.28 | 2.87 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10593.02 | 7067.00 | -1810.58 | -2271.34 | -88.16 | 934.91 | 335.16 | 2.79 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10693.01 | 7067.00 | -1814.54 | -2371.26 | -88.16 | 933.85 | 344.05 | 2.72 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10793.00 | 7067.00 | -1818.51 | -2471.17 | -88.16 | 932.79 | 352.96 | 2.65 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10893.00 | 7067.00 | -1822.47 | -2571.09 | -88.16 | 931.73 | 361.88 | 2.58 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10992.99 | 7067.00 | -1826.43 | -2671.01 | -88.15 | 930.66 | 370.82 | 2.51 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 11092.99 | 7067.00 | -1830.40 | -2770.92 | -88.15 | 929.60 | 379.76 | 2.45 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 11192.98 | 7067.00 | -1834.36 | -2870.84 | -88.15 | 928.54 | 388.72 | 2.39 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11292.98 | 7067.00 | -1838.32 | -2970.75 | -88.15 | 927.48 | 397.69 | 2.33 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11392.97 | 7067.00 | -1842.28 | -3070.67 | -88.14 | 926.42 | 406.67 | 2.28 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11492.96 | 7067.00 | -1846.25 | -3170.58 | -88.14 | 925.36 | 415.66 | 2.23 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11592.96 | 7067.00 | -1850.21 | -3270.50 | -88.14 | 924.29 | 424.66 | 2.18 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11692.95 | 7067.00 | -1854.17 | -3370.42 | -88.14 | 923.23 | 433.66 | 2.13 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11792.95 | 7067.00 | -1858.14 | -3470.33 | -88.14 | 922.17 | 442.67 | 2.08 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11892.94 | 7067.00 | -1862.10 | -3570.25 | -88.13 | 921.11 | 451.70 | 2.04 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11992.94 | 7067.00 | -1866.06 | -3670.16 | -88.13 | 920.05 | 460.72 | 2.00 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 12092.93 | 7067.00 | -1870.03 | -3770.08 | -88.13 | 918.99 | 469.76 | 1.96 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 12192.93 | 7067.00 | -1873.99 | -3869.99 | -88.13 | 917.92 | 478.79 | 1.92 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12292.92 | 7067.00 | -1877.95 | -3969.91 | -88.13 | 916.86 | 487.84 | 1.88 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12392.91 | 7067.00 | -1881.92 | -4069.83 | -88.12 | 915.80 | 496.89 | 1.84 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12492.91 | 7067.00 | -1885.88 | -4169.74 | -88.12 | 914.74 | 505.95 | 1.81 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12592.90 | 7067.00 | -1889.84 | -4269.66 | -88.12 | 913.68 | 515.01 | 1.78 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12692.90 | 7067.00 | -1893.81 | -4369.57 | -88.12 | 912.62 | 524.07 | 1.74 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12792.89 | 7067.00 | -1897.77 | -4469.49 | -88.11 | 911.55 | 533.14 | 1.71 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12892.89 | 7067.00 | -1901.73 | -4569.41 | -88.11 | 910.49 | 542.21 | 1.68 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12992.88 | 7067.00 | -1905.70 | -4669.32 | -88.11 | 909.43 | 551.29 | 1.65 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 13092.87 | 7067.00 | -1909.66 | -4769.24 | -88.11 | 908.37 | 560.37 | 1.62 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 13192.87 | 7067.00 | -1913.62 | -4869.15 | -88.11 | 907.31 | 569.46 | 1.59 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13292.86 | 7067.00 | -1917.58 | -4969.07 | -88.10 | 906.25 | 578.54 | 1.57 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13392.86 | 7067.00 | -1921.55 | -5068.98 | -88.10 | 905.18 | 587.63 | 1.54 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13492.85 | 7067.00 | -1925.51 | -5168.90 | -88.10 | 904.12 | 596.73 | 1.52 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13592.85 | 7067.00 | -1929.47 | -5268.82 | -88.10 | 903.06 | 605.82 | 1.49 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13692.84 | 7067.00 | -1933.44 | -5368.73 | -88.09 | 902.00 | 614.92 | 1.47 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13792.84 | 7067.00 | -1937.40 | -5468.65 | -88.09 | 900.94 | 624.03 | 1.44 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13892.83 | 7067.00 | -1941.36 | -5568.56 | -88.09 | 899.88 | 633.13 | 1.42 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13992.82 | 7067.00 | -1945.33 | -5668.48 | -88.09 | 898.82 | 642.24 | 1.40 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 14092.82 | 7067.00 | -1949.29 | -5768.39 | -88.09 | 897.75 | 651.35 | 1.38 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 14192.81 | 7067.00 | -1953.25 | -5868.31 | -88.08 | 896.69 | 660.46 | 1.36 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14292.81 | 7067.00 | -1957.22 | -5968.23 | -88.08 | 895.63 | 669.57 | 1.34 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14392.80 | 7067.00 | -1961.18 | -6068.14 | -88.08 | 894.57 | 678.69 | 1.32 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14492.80 | 7067.00 | -1965.14 | -6168.06 | -88.08 | 893.51 | 687.81 | 1.30 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14592.79 | 7067.00 | -1969.11 | -6267.97 | -88.07 | 892.45 | 696.93 | 1.28 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#22 GOETZEL 13C-30-M (2137'FSL & 2053'FWL, SEC.29) Well: GOETZEL 13C-30-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14692.78 | 7067.00 | -1973.07 | -6367.89 | -88.07 | 891.38 | 706.05 | 1.26 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14792.78 | 7067.00 | -1977.03 | -6467.81 | -88.07 | 890.32 | 715.17 | 1.25 | PASS |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14892.77 | 7067.00 | -1981.00 | -6567.72 | -88.07 | 889.26 | 724.30 | 1.23 | PASS |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14992.77 | 7067.00 | -1984.96 | -6667.64 | -88.06 | 888.20 | 733.43 | 1.21 | PASS |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 15092.76 | 7067.00 | -1988.92 | -6767.55 | -88.06 | 887.14 | 742.55 | 1.19 | PASS |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 15192.76 | 7067.00 | -1992.88 | -6867.47 | -88.06 | 886.08 | 751.68 | 1.18 | PASS |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15292.75 | 7067.00 | -1996.85 | -6967.38 | -88.06 | 885.01 | 760.81 | 1.16 | PASS |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15392.74 | 7067.00 | -2000.81 | -7067.30 | -88.06 | 883.95 | 769.95 | 1.15 | PASS |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15492.74 | 7067.00 | -2004.77 | -7167.22 | -88.05 | 882.89 | 779.08 | 1.13 | PASS |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15592.73 | 7067.00 | -2008.74 | -7267.13 | -88.05 | 881.83 | 788.22 | 1.12 | PASS |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15692.73 | 7067.00 | -2012.70 | -7367.05 | -88.05 | 880.77 | 797.35 | 1.10 | PASS |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15792.72 | 7067.00 | -2016.66 | -7466.96 | -88.05 | 879.71 | 806.49 | 1.09 | PASS |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15892.72 | 7067.00 | -2020.63 | -7566.88 | -88.04 | 878.65 | 815.63 | 1.08 | PASS |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15992.71 | 7067.00 | -2024.59 | -7666.79 | -88.04 | 877.58 | 824.77 | 1.06 | PASS |
| 15961.00† | 7097.00 | -1150.02 | -7737.51 | 16028.71 | 7067.00 | -2026.02 | -7702.76 | -88.04 | 877.20 | 828.06 | 1.06 | PASS |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 16029.25 | 7067.00 | -2026.04 | -7703.30 | -88.04 | 877.20 | 827.75 | 1.06 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1674.14 | -48.86 | -0.33 | -95.97 | 41.16 |
| 8.5in Open Hole | 1700.00 | 16061.00 | 14361.00 | 1674.14 | 7067.00 | -95.97 | 41.16 | -642.35 | -2357.80 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP | | | | |
|--|----------------|---|------------------|----------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 13C-30-M PWB |
| 1700.00 | 16061.51 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 13C-30-M PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 13C-30-M PWB Offset Wellpath: GOETZEL 13C-30-M REV-A.0 PWP | |
|--|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | 79.74 | 0.54 | 0.39 | 79.75 | 1.72 | 131.04 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | 79.74 | 0.54 | 0.39 | 79.75 | 2.04 | 85.74 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | 79.74 | 0.54 | 0.39 | 79.75 | 2.61 | 53.04 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | 79.74 | 0.54 | 0.39 | 79.75 | 3.21 | 37.72 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | 79.74 | 0.54 | 0.39 | 79.75 | 3.82 | 29.14 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | 79.74 | 0.54 | 0.39 | 79.75 | 4.44 | 23.70 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | 79.74 | 0.54 | 0.39 | 79.75 | 5.06 | 19.96 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | 79.74 | 0.54 | 0.39 | 79.75 | 5.69 | 17.23 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | 79.74 | 0.54 | 0.39 | 79.75 | 6.31 | 15.15 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | 79.74 | 0.54 | 0.39 | 79.75 | 6.94 | 13.52 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1025.00 | 1025.00 | 79.74 | 0.54 | 0.39 | 79.75 | 7.57 | 12.21 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1125.00 | 1125.00 | 79.74 | 0.54 | 0.39 | 79.75 | 8.19 | 11.13 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1150.00 | 1150.00 | 79.74 | 0.54 | 0.39 | 79.75 | 8.35 | 10.89 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1224.99 | 1224.99 | 79.74 | 0.54 | -115.95 | 80.17 | 8.82 | 10.27 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1324.89 | 1324.89 | 79.74 | 0.54 | -118.65 | 82.17 | 9.50 | 9.67 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1424.58 | 1424.58 | 79.74 | 0.54 | -123.15 | 86.22 | 10.26 | 9.32 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1523.93 | 1523.93 | 79.74 | 0.54 | -128.88 | 92.91 | 11.07 | 9.23 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1622.83 | 1622.83 | 79.74 | 0.54 | -135.12 | 102.88 | 11.93 | 9.41 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1721.15 | 1721.15 | 79.74 | 0.54 | -141.24 | 116.58 | 12.13 | 10.15 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1818.77 | 1818.77 | 79.74 | 0.54 | -146.79 | 134.26 | 12.50 | 11.32 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1915.58 | 1915.58 | 79.74 | 0.54 | -151.59 | 155.96 | 12.97 | 12.66 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1938.55 | 1938.55 | 79.74 | 0.54 | -152.62 | 161.73 | 13.08 | 13.01 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2012.20 | 2012.20 | 79.75 | 0.57 | -155.67 | 180.71 | 13.36 | 14.23 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2112.98 | 2112.95 | 79.92 | 2.76 | -158.45 | 204.92 | 13.80 | 15.59 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2215.24 | 2215.04 | 80.38 | 8.60 | -159.94 | 227.22 | 14.38 | 16.56 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2318.75 | 2318.09 | 81.14 | 18.20 | -160.51 | 247.33 | 15.04 | 17.21 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2423.25 | 2421.71 | 82.21 | 31.65 | -160.38 | 265.12 | 15.75 | 17.57 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2528.49 | 2525.49 | 83.58 | 49.00 | -159.65 | 280.58 | 16.52 | 17.70 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2634.17 | 2629.00 | 85.26 | 70.23 | -158.41 | 293.78 | 17.34 | 17.62 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2740.02 | 2731.82 | 87.24 | 95.29 | -156.71 | 304.87 | 18.22 | 17.37 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2845.75 | 2833.51 | 89.52 | 124.09 | -154.55 | 314.04 | 19.17 | 16.97 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2950.20 | 2932.88 | 92.05 | 156.17 | -151.98 | 321.63 | 20.20 | 16.47 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3048.88 | 3026.33 | 94.55 | 187.76 | -149.47 | 329.08 | 21.26 | 15.98 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3147.56 | 3119.78 | 97.05 | 219.36 | -147.07 | 337.15 | 22.42 | 15.50 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3246.24 | 3213.24 | 99.55 | 250.96 | -144.79 | 345.78 | 23.64 | 15.05 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3344.92 | 3306.69 | 102.05 | 282.56 | -142.62 | 354.95 | 24.93 | 14.62 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3443.60 | 3400.14 | 104.55 | 314.16 | -140.56 | 364.60 | 26.32 | 14.21 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3542.28 | 3493.59 | 107.05 | 345.76 | -138.60 | 374.71 | 27.73 | 13.84 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3640.97 | 3587.04 | 109.55 | 377.35 | -136.75 | 385.23 | 29.19 | 13.50 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3739.65 | 3680.50 | 112.05 | 408.95 | -135.00 | 396.13 | 30.68 | 13.19 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3838.33 | 3773.95 | 114.55 | 440.55 | -133.34 | 407.38 | 32.19 | 12.92 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3937.01 | 3867.40 | 117.05 | 472.15 | -131.77 | 418.96 | 33.74 | 12.66 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4035.69 | 3960.85 | 119.55 | 503.75 | -130.29 | 430.83 | 35.30 | 12.44 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4134.37 | 4054.31 | 122.05 | 535.34 | -128.88 | 442.98 | 36.88 | 12.23 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4233.05 | 4147.76 | 124.54 | 566.94 | -127.55 | 455.38 | 38.47 | 12.04 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4331.74 | 4241.21 | 127.04 | 598.54 | -126.29 | 468.01 | 40.07 | 11.87 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4430.42 | 4334.66 | 129.54 | 630.14 | -125.10 | 480.85 | 41.68 | 11.72 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4529.10 | 4428.12 | 132.04 | 661.74 | -123.97 | 493.89 | 43.30 | 11.58 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4627.78 | 4521.57 | 134.54 | 693.34 | -122.89 | 507.11 | 44.92 | 11.45 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4726.46 | 4615.02 | 137.04 | 724.93 | -121.87 | 520.50 | 46.55 | 11.34 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4825.14 | 4708.47 | 139.54 | 756.53 | -120.91 | 534.04 | 48.18 | 11.24 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4923.82 | 4801.92 | 142.04 | 788.13 | -119.98 | 547.73 | 49.81 | 11.14 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 5022.51 | 4895.38 | 144.54 | 819.73 | -119.11 | 561.55 | 51.44 | 11.05 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5121.19 | 4988.83 | 147.04 | 851.33 | -118.28 | 575.49 | 53.08 | 10.97 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5219.87 | 5082.28 | 149.54 | 882.92 | -117.48 | 589.55 | 54.72 | 10.90 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5318.55 | 5175.73 | 152.04 | 914.52 | -116.72 | 603.71 | 56.36 | 10.84 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5417.23 | 5269.19 | 154.54 | 946.12 | -116.00 | 617.97 | 57.99 | 10.78 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5515.91 | 5362.64 | 157.04 | 977.72 | -115.31 | 632.33 | 59.63 | 10.72 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5614.59 | 5456.09 | 159.54 | 1009.32 | -114.65 | 646.77 | 61.27 | 10.67 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5713.28 | 5549.54 | 162.03 | 1040.91 | -114.02 | 661.29 | 62.91 | 10.62 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5811.96 | 5643.00 | 164.53 | 1072.51 | -113.42 | 675.89 | 64.55 | 10.58 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5910.64 | 5736.45 | 167.03 | 1104.11 | -112.84 | 690.56 | 66.18 | 10.54 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 6009.32 | 5829.90 | 169.53 | 1135.71 | -112.28 | 705.30 | 67.82 | 10.50 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6108.00 | 5923.35 | 172.03 | 1167.31 | -111.75 | 720.10 | 69.46 | 10.46 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6206.93 | 6017.04 | 174.54 | 1198.98 | -111.24 | 734.95 | 71.09 | 10.43 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6318.42 | 6125.07 | 176.95 | 1226.00 | -111.38 | 748.97 | 72.65 | 10.40 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6398.55 | 6204.65 | 178.17 | 1234.91 | -112.28 | 758.27 | 73.54 | 10.40 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6427.38 | 6233.45 | 178.51 | 1235.93 | -117.19 | 761.62 | 73.86 | 10.40 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6532.55 | 6338.35 | 179.23 | 1229.85 | -150.08 | 774.59 | 75.69 | 10.32 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6634.61 | 6438.24 | 179.18 | 1209.35 | 153.34 | 788.21 | 78.47 | 10.13 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6733.84 | 6531.62 | 178.42 | 1176.02 | 121.71 | 802.19 | 79.43 | 10.18 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6830.54 | 6617.35 | 177.02 | 1131.46 | 107.89 | 816.23 | 80.77 | 10.19 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6925.00 | 6694.55 | 175.05 | 1077.19 | 100.08 | 829.99 | 82.61 | 10.13 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 7017.49 | 6762.58 | 172.58 | 1014.68 | 94.82 | 843.12 | 85.12 | 9.98 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 7108.27 | 6820.98 | 169.67 | 945.31 | 90.94 | 855.31 | 88.33 | 9.75 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7197.56 | 6869.41 | 166.39 | 870.43 | 87.94 | 866.24 | 92.19 | 9.46 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7285.60 | 6907.66 | 162.79 | 791.28 | 85.59 | 875.65 | 96.61 | 9.12 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7372.57 | 6935.63 | 158.94 | 709.08 | 83.79 | 883.30 | 101.44 | 8.76 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7458.63 | 6953.30 | 154.89 | 625.00 | 82.45 | 888.99 | 106.52 | 8.40 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7543.96 | 6960.73 | 150.71 | 540.15 | 81.56 | 892.58 | 111.68 | 8.04 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7613.35 | 6961.00 | 147.23 | 470.84 | 81.25 | 893.59 | 115.62 | 7.77 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7640.40 | 6961.00 | 145.88 | 443.83 | 81.25 | 893.60 | 117.15 | 7.67 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7740.40 | 6961.00 | 140.87 | 343.95 | 81.25 | 893.61 | 123.06 | 7.30 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7840.40 | 6961.00 | 135.86 | 244.08 | 81.25 | 893.62 | 129.35 | 6.94 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7940.40 | 6961.00 | 130.84 | 144.21 | 81.25 | 893.64 | 135.95 | 6.60 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 8040.40 | 6961.00 | 125.83 | 44.33 | 81.25 | 893.65 | 142.84 | 6.28 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 8140.40 | 6961.00 | 120.82 | -55.54 | 81.25 | 893.66 | 149.96 | 5.98 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 8240.40 | 6961.00 | 115.81 | -155.42 | 81.25 | 893.68 | 157.29 | 5.70 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 8340.40 | 6961.00 | 110.80 | -255.29 | 81.25 | 893.69 | 164.79 | 5.44 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 8440.40 | 6961.00 | 105.79 | -355.17 | 81.25 | 893.70 | 172.45 | 5.20 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 93 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 8540.40 | 6961.00 | 100.78 | -455.04 | 81.25 | 893.72 | 180.24 | 4.97 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 8640.40 | 6961.00 | 95.77 | -554.92 | 81.25 | 893.73 | 188.16 | 4.76 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 8740.40 | 6961.00 | 90.76 | -654.79 | 81.25 | 893.74 | 196.17 | 4.57 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 8840.40 | 6961.00 | 85.74 | -754.66 | 81.25 | 893.76 | 204.28 | 4.39 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 8940.40 | 6961.00 | 80.73 | -854.54 | 81.25 | 893.77 | 212.46 | 4.22 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 9040.40 | 6961.00 | 75.72 | -954.41 | 81.25 | 893.78 | 220.72 | 4.06 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 9140.40 | 6961.00 | 70.71 | -1054.29 | 81.25 | 893.79 | 229.04 | 3.91 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 9240.40 | 6961.00 | 65.70 | -1154.16 | 81.25 | 893.81 | 237.42 | 3.77 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 9340.40 | 6961.00 | 60.69 | -1254.04 | 81.25 | 893.82 | 245.85 | 3.64 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 9440.40 | 6961.00 | 55.68 | -1353.91 | 81.25 | 893.83 | 254.33 | 3.52 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 9540.40 | 6961.00 | 50.67 | -1453.78 | 81.25 | 893.85 | 262.84 | 3.41 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 9640.40 | 6961.00 | 45.66 | -1553.66 | 81.25 | 893.86 | 271.40 | 3.30 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 9740.40 | 6961.00 | 40.64 | -1653.53 | 81.25 | 893.87 | 279.99 | 3.20 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 9840.40 | 6961.00 | 35.63 | -1753.41 | 81.25 | 893.89 | 288.61 | 3.10 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 9940.40 | 6961.00 | 30.62 | -1853.28 | 81.25 | 893.90 | 297.26 | 3.01 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 10040.40 | 6961.00 | 25.61 | -1953.16 | 81.25 | 893.91 | 305.94 | 2.93 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 10140.40 | 6961.00 | 20.60 | -2053.03 | 81.25 | 893.93 | 314.64 | 2.85 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 10240.40 | 6961.00 | 15.59 | -2152.90 | 81.25 | 893.94 | 323.36 | 2.77 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 10340.40 | 6961.00 | 10.58 | -2252.78 | 81.25 | 893.95 | 332.10 | 2.70 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 10440.40 | 6961.00 | 5.57 | -2352.65 | 81.25 | 893.97 | 340.86 | 2.63 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 10540.40 | 6961.00 | 0.55 | -2452.53 | 81.25 | 893.98 | 349.64 | 2.56 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 10640.40 | 6961.00 | -4.46 | -2552.40 | 81.25 | 893.99 | 358.43 | 2.50 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 10740.40 | 6961.00 | -9.47 | -2652.28 | 81.25 | 894.01 | 367.24 | 2.44 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 10840.40 | 6961.00 | -14.48 | -2752.15 | 81.25 | 894.02 | 376.06 | 2.38 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 10940.40 | 6961.00 | -19.49 | -2852.03 | 81.25 | 894.03 | 384.90 | 2.33 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 11040.40 | 6961.00 | -24.50 | -2951.90 | 81.25 | 894.05 | 393.74 | 2.27 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 11140.40 | 6961.00 | -29.51 | -3051.77 | 81.25 | 894.06 | 402.60 | 2.22 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 11240.40 | 6961.00 | -34.52 | -3151.65 | 81.25 | 894.07 | 411.47 | 2.17 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 11340.40 | 6961.00 | -39.53 | -3251.52 | 81.25 | 894.09 | 420.35 | 2.13 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 11440.40 | 6961.00 | -44.55 | -3351.40 | 81.25 | 894.10 | 429.24 | 2.08 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 11540.40 | 6961.00 | -49.56 | -3451.27 | 81.25 | 894.11 | 438.13 | 2.04 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 11640.40 | 6961.00 | -54.57 | -3551.15 | 81.25 | 894.12 | 447.04 | 2.00 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 11740.40 | 6961.00 | -59.58 | -3651.02 | 81.25 | 894.14 | 455.95 | 1.96 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 11840.40 | 6961.00 | -64.59 | -3750.89 | 81.25 | 894.15 | 464.87 | 1.92 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 11940.40 | 6961.00 | -69.60 | -3850.77 | 81.25 | 894.16 | 473.80 | 1.89 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 12040.40 | 6961.00 | -74.61 | -3950.64 | 81.25 | 894.18 | 482.73 | 1.85 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 12140.40 | 6961.00 | -79.62 | -4050.52 | 81.25 | 894.19 | 491.67 | 1.82 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 12240.40 | 6961.00 | -84.64 | -4150.39 | 81.25 | 894.20 | 500.61 | 1.79 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 12340.40 | 6961.00 | -89.65 | -4250.27 | 81.25 | 894.22 | 509.56 | 1.76 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 12440.40 | 6961.00 | -94.66 | -4350.14 | 81.25 | 894.23 | 518.52 | 1.73 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 12540.40 | 6961.00 | -99.67 | -4450.02 | 81.25 | 894.24 | 527.48 | 1.70 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 12640.40 | 6961.00 | -104.68 | -4549.89 | 81.25 | 894.26 | 536.44 | 1.67 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 12740.40 | 6961.00 | -109.69 | -4649.76 | 81.25 | 894.27 | 545.41 | 1.64 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 12840.40 | 6961.00 | -114.70 | -4749.64 | 81.25 | 894.28 | 554.39 | 1.61 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 12940.40 | 6961.00 | -119.71 | -4849.51 | 81.25 | 894.30 | 563.36 | 1.59 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 13040.40 | 6961.00 | -124.72 | -4949.39 | 81.25 | 894.31 | 572.34 | 1.56 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 13140.40 | 6961.00 | -129.74 | -5049.26 | 81.25 | 894.32 | 581.33 | 1.54 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 13240.40 | 6961.00 | -134.75 | -5149.14 | 81.25 | 894.34 | 590.32 | 1.52 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 13340.40 | 6961.00 | -139.76 | -5249.01 | 81.25 | 894.35 | 599.31 | 1.49 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 13440.40 | 6961.00 | -144.77 | -5348.88 | 81.25 | 894.36 | 608.30 | 1.47 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 13540.40 | 6961.00 | -149.78 | -5448.76 | 81.25 | 894.38 | 617.30 | 1.45 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 13640.40 | 6961.00 | -154.79 | -5548.63 | 81.25 | 894.39 | 626.30 | 1.43 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 13740.40 | 6961.00 | -159.80 | -5648.51 | 81.25 | 894.40 | 635.31 | 1.41 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 13840.40 | 6961.00 | -164.81 | -5748.38 | 81.25 | 894.42 | 644.31 | 1.39 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 13940.40 | 6961.00 | -169.83 | -5848.26 | 81.25 | 894.43 | 653.32 | 1.37 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 14040.40 | 6961.00 | -174.84 | -5948.13 | 81.25 | 894.44 | 662.33 | 1.35 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 14140.40 | 6961.00 | -179.85 | -6048.00 | 81.25 | 894.45 | 671.35 | 1.33 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 14240.40 | 6961.00 | -184.86 | -6147.88 | 81.26 | 894.47 | 680.36 | 1.32 | PASS |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 14340.40 | 6961.00 | -189.87 | -6247.75 | 81.26 | 894.48 | 689.38 | 1.30 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 14440.40 | 6961.00 | -194.88 | -6347.63 | 81.26 | 894.49 | 698.40 | 1.28 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#14 GOETZEL 32N-30B-M (2297'FSL & 2053'FWL, SEC.29) Well: GOETZEL 32N-30B-M 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 |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 14540.40 | 6961.00 | -199.89 | -6447.50 | 81.26 | 894.51 | 707.42 | 1.26 | PASS |
| 14725.00† | 7097.00 | -1087.91 | -6503.07 | 14640.40 | 6961.00 | -204.90 | -6547.38 | 81.26 | 894.52 | 716.45 | 1.25 | PASS |
| 14825.00† | 7097.00 | -1092.94 | -6602.95 | 14740.40 | 6961.00 | -209.91 | -6647.25 | 81.26 | 894.53 | 725.47 | 1.23 | PASS |
| 14925.00† | 7097.00 | -1097.96 | -6702.82 | 14840.40 | 6961.00 | -214.93 | -6747.13 | 81.26 | 894.55 | 734.50 | 1.22 | PASS |
| 15025.00† | 7097.00 | -1102.99 | -6802.69 | 14940.40 | 6961.00 | -219.94 | -6847.00 | 81.26 | 894.56 | 743.53 | 1.20 | PASS |
| 15125.00† | 7097.00 | -1108.01 | -6902.57 | 15040.40 | 6961.00 | -224.95 | -6946.87 | 81.26 | 894.57 | 752.56 | 1.19 | PASS |
| 15225.00† | 7097.00 | -1113.04 | -7002.44 | 15140.40 | 6961.00 | -229.96 | -7046.75 | 81.26 | 894.59 | 761.60 | 1.17 | PASS |
| 15325.00† | 7097.00 | -1118.06 | -7102.31 | 15240.40 | 6961.00 | -234.97 | -7146.62 | 81.26 | 894.60 | 770.63 | 1.16 | PASS |
| 15425.00† | 7097.00 | -1123.09 | -7202.19 | 15340.40 | 6961.00 | -239.98 | -7246.50 | 81.26 | 894.61 | 779.67 | 1.15 | PASS |
| 15525.00† | 7097.00 | -1128.11 | -7302.06 | 15440.40 | 6961.00 | -244.99 | -7346.37 | 81.26 | 894.63 | 788.70 | 1.13 | PASS |
| 15625.00† | 7097.00 | -1133.13 | -7401.94 | 15540.40 | 6961.00 | -250.00 | -7446.25 | 81.26 | 894.64 | 797.74 | 1.12 | PASS |
| 15725.00† | 7097.00 | -1138.16 | -7501.81 | 15640.40 | 6961.00 | -255.01 | -7546.12 | 81.26 | 894.65 | 806.78 | 1.11 | PASS |
| 15825.00† | 7097.00 | -1143.18 | -7601.68 | 15740.40 | 6961.00 | -260.03 | -7645.99 | 81.26 | 894.67 | 815.82 | 1.10 | PASS |
| 15925.00† | 7097.00 | -1148.21 | -7701.56 | 15834.81 | 6961.00 | -264.76 | -7740.28 | 81.26 | 894.70 | 824.62 | 1.09 | PASS |
| 15943.71† | 7097.00 | -1149.15 | -7720.25 | 15834.81 | 6961.00 | -264.76 | -7740.28 | 81.26 | 895.01 | 825.27 | 1.08 | PASS |
| 15961.54 | 7097.00 | -1150.04 | -7738.05 | 15834.81 | 6961.00 | -264.76 | -7740.28 | 81.26 | 895.68 | 824.85 | 1.09 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1700.00 | 48.61 | 0.33 | 48.61 | 0.33 |
| 8.5in Open Hole | 1700.00 | 15834.00 | 14134.00 | 1700.00 | 6961.00 | 48.61 | 0.33 | -56.38 | -2358.83 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 32N-30B-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|-----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 32N-30B-M PWB |
| 1700.00 | 15834.81 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 32N-30B-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32N-30B-M PWB Offset Wellpath: GOETZEL 32N-30B-M REV-A.0 PWP

| | |
|-----------------------------------|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -8.00 | 25.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 25.73 | 235.46 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 92.00 | 125.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 52.24 | 112.87 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 192.00 | 225.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 54.55 | 108.02 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 292.00 | 325.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 56.86 | 103.55 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 392.00 | 425.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 59.01 | 99.44 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 492.00 | 525.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 61.33 | 95.63 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 592.00 | 625.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 63.65 | 92.10 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 692.00 | 725.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 65.98 | 88.81 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 792.00 | 825.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 68.31 | 85.75 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 892.00 | 925.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 70.64 | 82.88 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 992.00 | 1025.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 72.98 | 80.20 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1092.00 | 1125.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 75.33 | 77.68 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1117.00 | 1150.00 | -1595.82 | -5569.66 | -105.99 | 5793.77 | 75.91 | 77.07 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1191.99 | 1224.99 | -1595.82 | -5569.66 | 138.30 | 5794.51 | 77.67 | 75.32 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1291.89 | 1324.89 | -1595.82 | -5569.66 | 138.28 | 5797.76 | 80.04 | 73.11 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1391.58 | 1424.58 | -1595.82 | -5569.66 | 138.26 | 5803.63 | 82.43 | 71.05 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1490.93 | 1523.93 | -1595.82 | -5569.66 | 138.22 | 5812.10 | 84.81 | 69.13 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1589.83 | 1622.83 | -1595.82 | -5569.66 | 138.16 | 5823.17 | 87.19 | 67.36 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1688.15 | 1721.15 | -1595.82 | -5569.66 | 138.10 | 5836.84 | 89.33 | 65.74 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1785.77 | 1818.77 | -1595.82 | -5569.66 | 138.02 | 5853.11 | 91.62 | 64.26 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1882.58 | 1915.58 | -1595.82 | -5569.66 | 137.92 | 5871.98 | 93.92 | 62.88 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1905.55 | 1938.55 | -1595.82 | -5569.66 | 137.90 | 5876.86 | 94.47 | 62.56 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1978.75 | 2011.75 | -1595.82 | -5569.66 | 138.03 | 5892.70 | 96.19 | 61.60 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2074.88 | 2107.88 | -1595.82 | -5569.66 | 138.21 | 5913.55 | 98.48 | 60.38 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2171.02 | 2204.02 | -1595.82 | -5569.66 | 138.38 | 5934.45 | 100.78 | 59.20 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2267.16 | 2300.16 | -1595.82 | -5569.66 | 138.55 | 5955.41 | 103.09 | 58.07 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2363.29 | 2396.29 | -1595.82 | -5569.66 | 138.73 | 5976.42 | 105.43 | 56.98 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2459.43 | 2492.43 | -1595.82 | -5569.66 | 138.90 | 5997.48 | 107.78 | 55.92 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2555.57 | 2588.57 | -1595.82 | -5569.66 | 139.07 | 6018.59 | 110.14 | 54.91 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2651.71 | 2684.71 | -1595.82 | -5569.66 | 139.23 | 6039.76 | 112.52 | 53.93 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2747.84 | 2780.84 | -1595.82 | -5569.66 | 139.40 | 6060.98 | 114.92 | 52.99 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2843.98 | 2876.98 | -1595.82 | -5569.66 | 139.57 | 6082.25 | 117.33 | 52.07 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2940.12 | 2973.12 | -1595.82 | -5569.66 | 139.73 | 6103.57 | 119.76 | 51.19 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3036.25 | 3069.25 | -1595.82 | -5569.66 | 139.90 | 6124.93 | 122.20 | 50.34 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3132.39 | 3165.39 | -1595.82 | -5569.66 | 140.06 | 6146.35 | 124.65 | 49.52 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3228.53 | 3261.53 | -1595.82 | -5569.66 | 140.22 | 6167.82 | 127.12 | 48.72 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3324.67 | 3357.67 | -1595.82 | -5569.66 | 140.38 | 6189.33 | 129.60 | 47.95 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3420.80 | 3453.80 | -1595.82 | -5569.66 | 140.54 | 6210.89 | 132.09 | 47.21 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3516.94 | 3549.94 | -1595.82 | -5569.66 | 140.70 | 6232.50 | 134.59 | 46.49 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3613.08 | 3646.08 | -1595.82 | -5569.66 | 140.85 | 6254.15 | 137.11 | 45.79 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3709.21 | 3742.21 | -1595.82 | -5569.66 | 141.01 | 6275.85 | 139.63 | 45.12 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3805.35 | 3838.35 | -1595.82 | -5569.66 | 141.17 | 6297.60 | 142.17 | 44.46 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3901.49 | 3934.49 | -1595.82 | -5569.66 | 141.32 | 6319.39 | 144.71 | 43.83 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3997.63 | 4030.63 | -1595.82 | -5569.66 | 141.47 | 6341.22 | 147.27 | 43.21 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4093.76 | 4126.76 | -1595.82 | -5569.66 | 141.63 | 6363.10 | 149.84 | 42.62 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4189.90 | 4222.90 | -1595.82 | -5569.66 | 141.78 | 6385.03 | 152.41 | 42.04 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4286.04 | 4319.04 | -1595.82 | -5569.66 | 141.93 | 6406.99 | 155.00 | 41.48 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4382.17 | 4415.17 | -1595.82 | -5569.66 | 142.08 | 6429.00 | 157.59 | 40.93 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4478.31 | 4511.31 | -1595.82 | -5569.66 | 142.23 | 6451.05 | 160.19 | 40.40 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4574.45 | 4607.45 | -1595.82 | -5569.66 | 142.37 | 6473.15 | 162.80 | 39.89 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4670.58 | 4703.58 | -1595.82 | -5569.66 | 142.52 | 6495.28 | 165.41 | 39.39 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4766.72 | 4799.72 | -1595.82 | -5569.66 | 142.66 | 6517.46 | 168.04 | 38.91 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4862.86 | 4895.86 | -1595.82 | -5569.66 | 142.81 | 6539.68 | 170.66 | 38.44 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4959.00 | 4992.00 | -1595.82 | -5569.66 | 142.95 | 6561.93 | 173.30 | 37.98 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5055.13 | 5088.13 | -1595.82 | -5569.66 | 143.09 | 6584.23 | 175.94 | 37.53 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5151.27 | 5184.27 | -1595.82 | -5569.66 | 143.23 | 6606.57 | 178.59 | 37.10 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5247.41 | 5280.41 | -1595.82 | -5569.66 | 143.38 | 6628.94 | 181.25 | 36.68 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5343.54 | 5376.54 | -1595.82 | -5569.66 | 143.51 | 6651.36 | 183.91 | 36.27 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5439.68 | 5472.68 | -1595.82 | -5569.66 | 143.65 | 6673.81 | 186.57 | 35.87 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5535.82 | 5568.82 | -1595.82 | -5569.66 | 143.79 | 6696.30 | 189.24 | 35.48 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5631.96 | 5664.96 | -1595.82 | -5569.66 | 143.93 | 6718.83 | 191.92 | 35.11 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5728.09 | 5761.09 | -1595.82 | -5569.66 | 144.06 | 6741.39 | 194.59 | 34.74 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5824.23 | 5857.23 | -1595.82 | -5569.66 | 144.20 | 6763.99 | 197.28 | 34.38 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5920.37 | 5953.37 | -1595.82 | -5569.66 | 144.33 | 6786.63 | 199.97 | 34.03 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6016.50 | 6049.50 | -1595.82 | -5569.66 | 144.47 | 6809.30 | 202.66 | 33.69 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6112.64 | 6145.64 | -1595.82 | -5569.66 | 144.60 | 6832.01 | 205.36 | 33.35 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6182.94 | 6215.94 | -1595.82 | -5569.66 | 144.70 | 6848.64 | 207.33 | 33.12 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6208.89 | 6241.89 | -1595.82 | -5569.66 | 140.58 | 6854.27 | 208.05 | 33.03 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6306.96 | 6339.96 | -1595.82 | -5569.66 | 110.57 | 6866.53 | 210.84 | 32.65 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6405.96 | 6438.96 | -1595.82 | -5569.66 | 56.73 | 6864.95 | 213.83 | 32.18 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6503.95 | 6536.95 | -1595.82 | -5569.66 | 27.67 | 6849.58 | 216.82 | 31.67 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6599.03 | 6632.03 | -1595.82 | -5569.66 | 16.17 | 6820.69 | 219.74 | 31.11 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6689.35 | 6722.35 | -1595.82 | -5569.66 | 10.40 | 6778.84 | 222.39 | 30.55 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6773.15 | 6806.15 | -1595.82 | -5569.66 | 6.81 | 6724.84 | 224.77 | 29.99 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6848.80 | 6881.80 | -1595.82 | -5569.66 | 4.12 | 6659.73 | 226.84 | 29.43 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6914.83 | 6947.83 | -1595.82 | -5569.66 | 1.67 | 6584.78 | 228.60 | 28.87 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6969.95 | 7002.95 | -1595.82 | -5569.66 | -1.12 | 6501.44 | 230.02 | 28.33 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7013.09 | 7046.09 | -1595.82 | -5569.66 | -5.16 | 6411.34 | 231.12 | 27.80 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7043.41 | 7076.41 | -1595.82 | -5569.66 | -13.05 | 6316.22 | 231.87 | 27.30 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7060.32 | 7093.32 | -1595.82 | -5569.66 | -36.88 | 6217.95 | 232.31 | 26.83 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 6145.38 | 232.43 | 26.50 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 6118.44 | 232.45 | 26.38 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 6018.86 | 232.51 | 25.94 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5919.29 | 232.59 | 25.51 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5819.74 | 232.67 | 25.07 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5720.20 | 232.77 | 24.63 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5620.68 | 232.87 | 24.19 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5521.17 | 232.99 | 23.75 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5421.69 | 233.12 | 23.31 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5322.22 | 233.26 | 22.87 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5222.78 | 233.42 | 22.42 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5123.35 | 233.59 | 21.98 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 5023.95 | 233.78 | 21.54 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4924.57 | 233.99 | 21.09 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4825.22 | 234.22 | 20.65 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4725.90 | 234.47 | 20.20 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4626.60 | 234.74 | 19.75 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4527.34 | 235.04 | 19.30 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4428.10 | 235.36 | 18.86 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4328.91 | 235.72 | 18.40 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4229.75 | 236.10 | 17.95 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4130.63 | 236.53 | 17.50 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 4031.56 | 236.99 | 17.05 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3932.53 | 237.49 | 16.59 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3833.56 | 238.04 | 16.14 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3734.64 | 238.65 | 15.68 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3635.77 | 239.31 | 15.23 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3536.97 | 240.03 | 14.77 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3438.25 | 240.81 | 14.31 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3339.59 | 241.68 | 13.85 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3241.02 | 242.62 | 13.39 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3142.54 | 243.66 | 12.92 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 3044.16 | 244.80 | 12.46 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2945.88 | 246.05 | 12.00 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2847.73 | 247.42 | 11.53 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2749.71 | 248.94 | 11.07 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2651.84 | 250.61 | 10.60 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2554.13 | 252.45 | 10.14 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2456.61 | 254.49 | 9.67 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2359.30 | 256.75 | 9.21 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2262.22 | 259.26 | 8.74 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2165.40 | 262.05 | 8.28 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 2068.89 | 265.16 | 7.82 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1972.73 | 268.63 | 7.36 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1876.96 | 272.52 | 6.90 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1781.67 | 276.89 | 6.45 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1686.91 | 281.81 | 6.00 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1592.80 | 287.37 | 5.55 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1499.45 | 293.68 | 5.11 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1407.02 | 300.87 | 4.68 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1315.69 | 309.07 | 4.26 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1225.72 | 318.48 | 3.85 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1137.42 | 329.31 | 3.46 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 1051.22 | 341.79 | 3.08 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 967.68 | 356.19 | 2.72 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 887.55 | 372.77 | 2.38 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 811.85 | 391.69 | 2.07 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 741.91 | 412.93 | 1.80 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 679.54 | 436.00 | 1.56 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 626.99 | 459.62 | 1.36 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 586.91 | 481.42 | 1.22 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 561.96 | 498.06 | 1.13 | PASS |
| 13819.01† | 7097.00 | -1042.39 | -5598.23 | 7063.75 | 7096.75 | -1595.82 | -5569.66 | -89.97 | 554.17 | 506.05 | 1.10 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 554.21 | 506.27 | 1.09 | PASS |
| 13833.18† | 7097.00 | -1043.10 | -5612.38 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 554.37 | 506.51 | 1.09 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 564.35 | 504.56 | 1.12 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 591.46 | 494.06 | 1.20 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 633.38 | 477.73 | 1.33 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 687.39 | 458.73 | 1.50 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 750.90 | 439.42 | 1.71 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) Well: TIGGES #30-34 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 |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 821.70 | 421.16 | 1.95 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 898.07 | 404.56 | 2.22 | PASS |
| 14625.00† | 7097.00 | -1082.89 | -6403.20 | 7064.00 | 7097.00 | -1595.82 | -5569.66 | -90.00 | 978.71 | 389.77 | 2.51 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 392.00 | 392.00 | 8.00 | 400.00 | -972.43 | -3395.38 | -972.43 | -3395.38 |
| 8.625in Casing Surface | 0.00 | 392.00 | 392.00 | 8.00 | 400.00 | -972.43 | -3395.38 | -972.43 | -3395.38 |
| 7.875in Open Hole | 392.00 | 7217.00 | 6825.00 | 400.00 | 7225.00 | -972.43 | -3395.38 | -972.43 | -3395.38 |
| 4.5in Casing Production | 0.00 | 7217.00 | 7217.00 | 8.00 | 7225.00 | -972.43 | -3395.38 | -972.43 | -3395.38 |

WELLPATH COMPOSITION - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|-------------------|
| 0.00 | 7244.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7244' FROM CO WEBSITE> | TIGGES #30-34 AWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: TIGGES #30-34 AWB Offset Wellpath: TIGGES #30-34 AWP | |
|--|---|
| MD Reference: Rig on SLOT#05 EX TIGGES #30-34 (860'FSL & 2380'FWL SEC.30, 7244'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 104 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) Well: TOLLGATE FARMS #29-12G6 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -2.00 | 25.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 25.73 | 61.99 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 98.00 | 125.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 50.72 | 30.66 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 198.00 | 225.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 52.29 | 29.72 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 298.00 | 325.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 54.74 | 28.37 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 398.00 | 425.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 57.71 | 26.82 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 498.00 | 525.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 61.33 | 25.21 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 598.00 | 625.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 65.32 | 23.65 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 698.00 | 725.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 69.59 | 22.18 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 798.00 | 825.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 74.05 | 20.83 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 898.00 | 925.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 78.66 | 19.60 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 998.00 | 1025.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 83.39 | 18.47 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1098.00 | 1125.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 88.21 | 17.46 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1123.00 | 1150.00 | -162.46 | -1517.51 | -96.11 | 1526.18 | 89.43 | 17.21 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1197.99 | 1224.99 | -162.46 | -1517.51 | 148.19 | 1527.01 | 93.10 | 16.54 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1297.89 | 1324.89 | -162.46 | -1517.51 | 148.24 | 1530.72 | 98.08 | 15.73 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1397.58 | 1424.58 | -162.46 | -1517.51 | 148.32 | 1537.40 | 103.11 | 15.02 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1496.93 | 1523.93 | -162.46 | -1517.51 | 148.44 | 1547.06 | 108.16 | 14.41 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1595.83 | 1622.83 | -162.46 | -1517.51 | 148.59 | 1559.70 | 113.23 | 13.87 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1694.15 | 1721.15 | -162.46 | -1517.51 | 148.77 | 1575.34 | 118.06 | 13.41 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1791.77 | 1818.77 | -162.46 | -1517.51 | 148.97 | 1593.98 | 123.06 | 13.01 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1888.58 | 1915.58 | -162.46 | -1517.51 | 149.20 | 1615.64 | 128.05 | 12.67 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1911.55 | 1938.55 | -162.46 | -1517.51 | 149.26 | 1621.26 | 129.24 | 12.60 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1984.75 | 2011.75 | -162.46 | -1517.51 | 149.63 | 1639.48 | 133.00 | 12.38 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2080.88 | 2107.88 | -162.46 | -1517.51 | 150.10 | 1663.52 | 137.97 | 12.11 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2177.02 | 2204.02 | -162.46 | -1517.51 | 150.56 | 1687.66 | 142.97 | 11.85 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2273.16 | 2300.16 | -162.46 | -1517.51 | 151.01 | 1711.91 | 147.99 | 11.61 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2369.29 | 2396.29 | -162.46 | -1517.51 | 151.45 | 1736.25 | 153.03 | 11.39 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2465.43 | 2492.43 | -162.46 | -1517.51 | 151.87 | 1760.69 | 158.10 | 11.18 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2561.57 | 2588.57 | -162.46 | -1517.51 | 152.29 | 1785.21 | 163.18 | 10.98 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2657.71 | 2684.71 | -162.46 | -1517.51 | 152.69 | 1809.83 | 168.29 | 10.79 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) Well: TOLLGATE FARMS #29-12G6 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2753.84 | 2780.84 | -162.46 | -1517.51 | 153.08 | 1834.52 | 173.41 | 10.61 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2849.98 | 2876.98 | -162.46 | -1517.51 | 153.46 | 1859.30 | 178.55 | 10.45 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2946.12 | 2973.12 | -162.46 | -1517.51 | 153.83 | 1884.15 | 183.71 | 10.29 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3042.25 | 3069.25 | -162.46 | -1517.51 | 154.19 | 1909.07 | 188.88 | 10.14 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3138.39 | 3165.39 | -162.46 | -1517.51 | 154.55 | 1934.07 | 194.07 | 9.99 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3234.53 | 3261.53 | -162.46 | -1517.51 | 154.89 | 1959.13 | 199.27 | 9.86 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3330.67 | 3357.67 | -162.46 | -1517.51 | 155.23 | 1984.26 | 204.49 | 9.73 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3426.80 | 3453.80 | -162.46 | -1517.51 | 155.55 | 2009.45 | 209.72 | 9.61 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3522.94 | 3549.94 | -162.46 | -1517.51 | 155.87 | 2034.70 | 214.96 | 9.49 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3619.08 | 3646.08 | -162.46 | -1517.51 | 156.18 | 2060.01 | 220.22 | 9.38 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3715.21 | 3742.21 | -162.46 | -1517.51 | 156.49 | 2085.38 | 225.49 | 9.27 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3811.35 | 3838.35 | -162.46 | -1517.51 | 156.78 | 2110.80 | 230.77 | 9.17 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3907.49 | 3934.49 | -162.46 | -1517.51 | 157.07 | 2136.27 | 236.06 | 9.07 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4003.63 | 4030.63 | -162.46 | -1517.51 | 157.35 | 2161.79 | 241.36 | 8.98 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4099.76 | 4126.76 | -162.46 | -1517.51 | 157.63 | 2187.36 | 246.67 | 8.89 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4195.90 | 4222.90 | -162.46 | -1517.51 | 157.90 | 2212.98 | 251.99 | 8.80 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4292.04 | 4319.04 | -162.46 | -1517.51 | 158.16 | 2238.64 | 257.32 | 8.72 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4388.17 | 4415.17 | -162.46 | -1517.51 | 158.42 | 2264.35 | 262.66 | 8.64 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4484.31 | 4511.31 | -162.46 | -1517.51 | 158.67 | 2290.10 | 268.01 | 8.56 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4580.45 | 4607.45 | -162.46 | -1517.51 | 158.92 | 2315.89 | 273.37 | 8.49 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4676.58 | 4703.58 | -162.46 | -1517.51 | 159.16 | 2341.72 | 278.73 | 8.42 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4772.72 | 4799.72 | -162.46 | -1517.51 | 159.40 | 2367.59 | 284.11 | 8.35 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4868.86 | 4895.86 | -162.46 | -1517.51 | 159.63 | 2393.49 | 289.49 | 8.28 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4965.00 | 4992.00 | -162.46 | -1517.51 | 159.85 | 2419.44 | 294.87 | 8.22 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5061.13 | 5088.13 | -162.46 | -1517.51 | 160.07 | 2445.41 | 300.27 | 8.16 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5157.27 | 5184.27 | -162.46 | -1517.51 | 160.29 | 2471.42 | 305.67 | 8.10 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5253.41 | 5280.41 | -162.46 | -1517.51 | 160.50 | 2497.46 | 311.08 | 8.04 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5349.54 | 5376.54 | -162.46 | -1517.51 | 160.71 | 2523.53 | 316.49 | 7.99 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5445.68 | 5472.68 | -162.46 | -1517.51 | 160.91 | 2549.64 | 321.91 | 7.93 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5541.82 | 5568.82 | -162.46 | -1517.51 | 161.11 | 2575.77 | 327.34 | 7.88 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) Well: TOLLGATE FARMS #29-12G6 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5637.96 | 5664.96 | -162.46 | -1517.51 | 161.31 | 2601.93 | 332.77 | 7.83 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5734.09 | 5761.09 | -162.46 | -1517.51 | 161.50 | 2628.12 | 338.20 | 7.78 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5830.23 | 5857.23 | -162.46 | -1517.51 | 161.69 | 2654.34 | 343.64 | 7.74 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5926.37 | 5953.37 | -162.46 | -1517.51 | 161.87 | 2680.58 | 349.09 | 7.69 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6022.50 | 6049.50 | -162.46 | -1517.51 | 162.05 | 2706.85 | 354.54 | 7.65 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6118.64 | 6145.64 | -162.46 | -1517.51 | 162.23 | 2733.14 | 360.00 | 7.60 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6188.94 | 6215.94 | -162.46 | -1517.51 | 162.36 | 2752.39 | 363.99 | 7.57 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6214.89 | 6241.89 | -162.46 | -1517.51 | 158.10 | 2758.98 | 365.46 | 7.56 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6312.96 | 6339.96 | -162.46 | -1517.51 | 127.82 | 2775.06 | 371.12 | 7.49 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6411.96 | 6438.96 | -162.46 | -1517.51 | 74.11 | 2777.59 | 377.12 | 7.38 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6509.95 | 6536.95 | -162.46 | -1517.51 | 45.58 | 2766.59 | 383.14 | 7.23 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6605.03 | 6632.03 | -162.46 | -1517.51 | 35.07 | 2742.31 | 388.97 | 7.06 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6695.35 | 6722.35 | -162.46 | -1517.51 | 30.83 | 2705.26 | 394.31 | 6.87 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6779.15 | 6806.15 | -162.46 | -1517.51 | 29.48 | 2656.25 | 399.14 | 6.66 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6854.80 | 6881.80 | -162.46 | -1517.51 | 30.02 | 2596.26 | 403.42 | 6.44 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6920.83 | 6947.83 | -162.46 | -1517.51 | 32.29 | 2526.54 | 407.11 | 6.21 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6975.95 | 7002.95 | -162.46 | -1517.51 | 36.61 | 2448.49 | 410.17 | 5.98 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7019.09 | 7046.09 | -162.46 | -1517.51 | 43.86 | 2363.68 | 412.59 | 5.74 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7049.41 | 7076.41 | -162.46 | -1517.51 | 55.59 | 2273.81 | 414.36 | 5.49 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7066.32 | 7093.32 | -162.46 | -1517.51 | 73.50 | 2180.65 | 415.49 | 5.25 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 2111.66 | 415.92 | 5.08 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 2086.04 | 416.03 | 5.02 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1991.67 | 416.49 | 4.79 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1897.86 | 417.10 | 4.56 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1804.73 | 417.91 | 4.32 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1712.36 | 418.96 | 4.09 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1620.91 | 420.29 | 3.86 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1530.52 | 421.97 | 3.63 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1441.41 | 424.06 | 3.40 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1353.81 | 426.65 | 3.18 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) Well: TOLLGATE FARMS #29-12G6 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1268.05 | 429.84 | 2.95 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1184.53 | 433.71 | 2.73 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1103.75 | 438.39 | 2.52 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 1026.36 | 443.97 | 2.31 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 953.19 | 450.53 | 2.12 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 885.29 | 458.12 | 1.93 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 823.94 | 466.65 | 1.77 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 770.74 | 475.89 | 1.62 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 727.46 | 485.38 | 1.50 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 695.95 | 494.39 | 1.41 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 677.86 | 502.02 | 1.35 | PASS |
| 9697.50† | 7097.00 | -835.31 | -1481.92 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 673.79 | 506.21 | 1.33 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 674.28 | 507.44 | 1.33 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 685.42 | 510.21 | 1.34 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 710.61 | 510.37 | 1.39 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 748.41 | 508.42 | 1.47 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 797.04 | 505.01 | 1.58 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 854.65 | 500.80 | 1.71 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 919.55 | 496.25 | 1.85 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7070.00 | 7097.00 | -162.46 | -1517.51 | 90.00 | 990.32 | 491.71 | 2.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 108 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| 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] |
|-------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.875in Open Hole | 0.00 | 351.00 | 351.00 | 2.00 | 353.00 | -99.01 | -925.07 | -99.01 | -925.07 |
| 6.25in Open Hole | 0.00 | 7217.00 | 7217.00 | 2.00 | N/A | -99.01 | -925.07 | N/A | N/A |

WELLPATH COMPOSITION - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|--|-----------------------------|
| 0.00 | 7215.00 | Custom Drift Indicator (2.0 Maximum Inclination) | ASSUMED VERTICAL TO SURFACE-2DEG CONE <7215> | TOLLGATE FARMS #29-12G6 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: TOLLGATE FARMS #29-12G6 AWB Offset Wellpath: TOLLGATE FARMS #29-12G6 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#10 EX TOLLGATE FARMS #29-12G6 (1987'FSL & 662'FWL, SEC.29, PA, 7215) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29 Well: GOETZEL 32C-30-M2 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | 99.78 | 0.85 | 0.49 | 99.79 | 1.72 | 164.43 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | 99.78 | 0.85 | 0.49 | 99.79 | 2.04 | 107.56 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | 99.78 | 0.85 | 0.49 | 99.79 | 2.61 | 66.53 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | 99.78 | 0.85 | 0.49 | 99.79 | 3.21 | 47.32 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | 99.78 | 0.85 | 0.49 | 99.79 | 3.82 | 36.56 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 525.00 | 525.00 | 99.78 | 0.85 | 0.49 | 99.79 | 4.44 | 29.73 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 625.00 | 625.00 | 99.78 | 0.85 | 0.49 | 99.79 | 5.07 | 25.04 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 725.00 | 725.00 | 99.78 | 0.85 | 0.49 | 99.79 | 5.69 | 21.62 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 825.00 | 825.00 | 99.78 | 0.85 | 0.49 | 99.79 | 6.31 | 19.01 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 925.00 | 925.00 | 99.78 | 0.85 | 0.49 | 99.79 | 6.94 | 16.97 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1025.00 | 1025.00 | 99.78 | 0.85 | 0.49 | 99.79 | 7.57 | 15.32 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1125.00 | 1125.00 | 99.78 | 0.85 | 0.49 | 99.79 | 8.19 | 13.96 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1150.00 | 1150.00 | 99.78 | 0.85 | 0.49 | 99.79 | 8.35 | 13.66 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1224.99 | 1224.99 | 99.78 | 0.85 | -115.72 | 100.21 | 8.82 | 12.87 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1324.89 | 1324.89 | 99.78 | 0.85 | -117.89 | 102.18 | 9.50 | 12.06 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1424.58 | 1424.58 | 99.78 | 0.85 | -121.56 | 106.08 | 10.24 | 11.51 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1523.93 | 1523.93 | 99.78 | 0.85 | -126.36 | 112.44 | 11.03 | 11.23 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1622.83 | 1622.83 | 99.78 | 0.85 | -131.79 | 121.83 | 11.88 | 11.22 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1721.15 | 1721.15 | 99.78 | 0.85 | -137.36 | 134.74 | 12.06 | 11.81 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1819.05 | 1819.05 | 99.79 | 0.91 | -142.65 | 151.49 | 12.42 | 12.88 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1918.07 | 1918.04 | 100.27 | 3.23 | -146.79 | 171.42 | 12.88 | 14.03 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1941.76 | 1941.70 | 100.48 | 4.29 | -147.58 | 176.54 | 12.99 | 14.32 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2017.71 | 2017.51 | 101.44 | 8.95 | -149.64 | 192.85 | 13.31 | 15.25 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2118.37 | 2117.72 | 103.32 | 18.16 | -151.12 | 213.28 | 13.78 | 16.26 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2219.84 | 2218.34 | 105.94 | 30.94 | -151.53 | 232.34 | 14.32 | 17.01 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2321.87 | 2318.99 | 109.28 | 47.29 | -151.12 | 249.94 | 14.94 | 17.51 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2424.20 | 2419.27 | 113.36 | 67.21 | -150.04 | 266.13 | 15.63 | 17.79 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2526.58 | 2518.81 | 118.15 | 90.64 | -148.39 | 281.06 | 16.40 | 17.87 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2628.74 | 2617.23 | 123.64 | 117.47 | -146.25 | 294.96 | 17.26 | 17.77 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2728.13 | 2712.23 | 129.49 | 146.09 | -143.89 | 308.39 | 18.21 | 17.58 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29 Well: GOETZEL 32C-30-M2 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2826.45 | 2806.15 | 135.32 | 174.55 | -141.72 | 322.25 | 19.24 | 17.35 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2924.76 | 2900.08 | 141.14 | 203.02 | -139.73 | 336.54 | 20.36 | 17.09 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3023.08 | 2994.01 | 146.96 | 231.48 | -137.90 | 351.19 | 21.54 | 16.82 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3121.39 | 3087.93 | 152.78 | 259.94 | -136.22 | 366.17 | 22.78 | 16.56 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3219.71 | 3181.86 | 158.61 | 288.40 | -134.67 | 381.43 | 24.07 | 16.30 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3318.03 | 3275.78 | 164.43 | 316.87 | -133.24 | 396.95 | 25.39 | 16.06 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3416.34 | 3369.71 | 170.25 | 345.33 | -131.92 | 412.70 | 26.74 | 15.83 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3514.66 | 3463.64 | 176.07 | 373.79 | -130.69 | 428.65 | 28.12 | 15.61 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3612.98 | 3557.56 | 181.90 | 402.25 | -129.55 | 444.77 | 29.52 | 15.41 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3711.29 | 3651.49 | 187.72 | 430.72 | -128.49 | 461.06 | 30.93 | 15.23 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3809.61 | 3745.41 | 193.54 | 459.18 | -127.51 | 477.49 | 32.37 | 15.06 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3907.93 | 3839.34 | 199.36 | 487.64 | -126.59 | 494.04 | 33.81 | 14.90 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 4006.24 | 3933.27 | 205.19 | 516.10 | -125.72 | 510.72 | 35.26 | 14.76 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4104.56 | 4027.19 | 211.01 | 544.56 | -124.92 | 527.50 | 36.73 | 14.63 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4202.88 | 4121.12 | 216.83 | 573.03 | -124.16 | 544.38 | 38.20 | 14.50 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4301.19 | 4215.05 | 222.65 | 601.49 | -123.45 | 561.34 | 39.68 | 14.39 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4399.51 | 4308.97 | 228.48 | 629.95 | -122.78 | 578.39 | 41.16 | 14.28 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4497.82 | 4402.90 | 234.30 | 658.41 | -122.14 | 595.50 | 42.65 | 14.18 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4596.14 | 4496.82 | 240.12 | 686.88 | -121.55 | 612.69 | 44.14 | 14.09 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4694.46 | 4590.75 | 245.94 | 715.34 | -120.98 | 629.93 | 45.64 | 14.00 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4792.77 | 4684.68 | 251.77 | 743.80 | -120.45 | 647.23 | 47.14 | 13.92 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4891.09 | 4778.60 | 257.59 | 772.26 | -119.94 | 664.59 | 48.64 | 13.85 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4989.41 | 4872.53 | 263.41 | 800.73 | -119.46 | 681.99 | 50.15 | 13.78 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5087.72 | 4966.45 | 269.23 | 829.19 | -119.00 | 699.44 | 51.65 | 13.71 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5186.04 | 5060.38 | 275.06 | 857.65 | -118.57 | 716.92 | 53.16 | 13.65 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5284.36 | 5154.31 | 280.88 | 886.11 | -118.15 | 734.45 | 54.68 | 13.60 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5382.67 | 5248.23 | 286.70 | 914.58 | -117.76 | 752.01 | 56.19 | 13.54 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5480.99 | 5342.16 | 292.52 | 943.04 | -117.38 | 769.60 | 57.70 | 13.49 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5579.31 | 5436.08 | 298.34 | 971.50 | -117.02 | 787.23 | 59.22 | 13.44 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5677.62 | 5530.01 | 304.17 | 999.96 | -116.68 | 804.88 | 60.74 | 13.40 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#13 GOETZEL 32C-30-M2 (2317'FSL & 2053'FWL SEC.29 Well: GOETZEL 32C-30-M2 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5775.94 | 5623.94 | 309.99 | 1028.42 | -116.35 | 822.56 | 62.25 | 13.35 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5874.25 | 5717.86 | 315.81 | 1056.89 | -116.03 | 840.27 | 63.77 | 13.31 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5972.57 | 5811.79 | 321.63 | 1085.35 | -115.73 | 858.00 | 65.29 | 13.27 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 6070.89 | 5905.72 | 327.46 | 1113.81 | -115.44 | 875.75 | 66.81 | 13.24 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6169.20 | 5999.64 | 333.28 | 1142.27 | -115.16 | 893.52 | 68.33 | 13.20 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6267.52 | 6093.57 | 339.10 | 1170.74 | -114.89 | 911.32 | 69.86 | 13.17 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6339.41 | 6162.25 | 343.36 | 1191.55 | -114.70 | 924.34 | 70.97 | 13.15 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6365.80 | 6187.46 | 344.92 | 1199.19 | -119.19 | 929.17 | 71.37 | 13.14 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6467.63 | 6285.66 | 350.84 | 1225.26 | -150.20 | 947.73 | 72.69 | 13.16 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6572.96 | 6389.98 | 356.42 | 1237.96 | 155.06 | 966.66 | 73.83 | 13.21 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6680.36 | 6497.12 | 361.41 | 1235.03 | 125.16 | 985.54 | 75.08 | 13.24 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1700.00 | 60.83 | 0.52 | 60.83 | 0.52 |
| 8.5in Open Hole | 1700.00 | 16005.00 | 14305.00 | 1700.00 | 7141.00 | 60.83 | 0.52 | 22.01 | -2359.06 |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP | | | | |
|---|----------------|---|------------------|-----------------------|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 32C-30-M2 PWB |
| 1700.00 | 16005.21 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 32C-30-M2 PWB |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32C-30-M2 PWB Offset Wellpath: GOETZEL 32C-30-M2 REV-A.0 PWP | |
|--|---|
| MD Reference: PRECISION 562 (25") (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#23 GOETZEL 34N-30C-M (2117'FSL & 2053'FWL, SEC.29) Well: GOETZEL 34N-30C-M 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 MASH [ft] | Sep Ratio | ACR Status |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -100.19 | -0.85 | -179.51 | 100.19 | 1.72 | 165.11 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -100.19 | -0.85 | -179.51 | 100.19 | 2.05 | 107.46 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -100.19 | -0.85 | -179.51 | 100.19 | 2.62 | 66.43 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 325.00 | 325.00 | -100.19 | -0.85 | -179.51 | 100.19 | 3.22 | 47.29 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 425.00 | 425.00 | -100.19 | -0.85 | -179.51 | 100.19 | 3.83 | 36.56 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 523.00 | 522.99 | -100.91 | -0.27 | -179.85 | 100.93 | 4.49 | 29.68 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 620.17 | 620.07 | -104.14 | 2.30 | 178.74 | 104.28 | 5.37 | 24.30 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 716.95 | 716.56 | -109.91 | 6.89 | 176.41 | 110.45 | 6.35 | 20.94 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 813.12 | 812.15 | -118.17 | 13.47 | 173.50 | 119.62 | 7.29 | 19.22 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 908.48 | 906.52 | -128.83 | 21.95 | 170.33 | 131.98 | 8.21 | 18.48 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1002.82 | 999.40 | -141.79 | 32.27 | 167.18 | 147.65 | 9.13 | 18.31 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1095.97 | 1090.51 | -156.92 | 44.32 | 164.23 | 166.67 | 9.97 | 18.72 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1119.05 | 1112.98 | -161.03 | 47.59 | 163.54 | 171.95 | 10.17 | 18.88 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1187.95 | 1179.81 | -174.13 | 58.03 | 45.82 | 188.36 | 10.78 | 19.39 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1279.18 | 1267.65 | -193.41 | 73.38 | 43.92 | 210.93 | 11.69 | 19.87 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1369.69 | 1353.97 | -214.69 | 90.32 | 42.67 | 234.10 | 12.61 | 20.28 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1459.46 | 1438.70 | -237.89 | 108.79 | 41.89 | 257.73 | 13.46 | 20.80 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1555.67 | 1528.86 | -264.16 | 129.71 | 41.55 | 280.69 | 14.31 | 21.20 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1653.53 | 1620.56 | -290.90 | 151.00 | 41.69 | 301.14 | 14.70 | 21.78 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1751.82 | 1712.65 | -317.76 | 172.38 | 42.25 | 319.06 | 14.86 | 22.50 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1850.40 | 1805.03 | -344.70 | 193.83 | 43.16 | 334.53 | 15.19 | 23.05 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1873.96 | 1827.10 | -351.14 | 198.96 | 43.42 | 337.87 | 15.27 | 23.15 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1949.14 | 1897.54 | -371.68 | 215.32 | 44.42 | 348.36 | 15.54 | 23.44 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2047.88 | 1990.06 | -398.66 | 236.80 | 45.64 | 362.29 | 16.00 | 23.65 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2146.62 | 2082.59 | -425.64 | 258.28 | 46.76 | 376.37 | 16.57 | 23.68 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2245.36 | 2175.11 | -452.63 | 279.77 | 47.81 | 390.58 | 17.25 | 23.57 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2344.10 | 2267.63 | -479.61 | 301.25 | 48.79 | 404.91 | 18.02 | 23.35 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2442.84 | 2360.15 | -506.59 | 322.73 | 49.69 | 419.34 | 18.87 | 23.06 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2541.58 | 2452.67 | -533.57 | 344.22 | 50.54 | 433.88 | 19.79 | 22.71 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2640.32 | 2545.19 | -560.56 | 365.70 | 51.33 | 448.50 | 20.77 | 22.32 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#23 GOETZEL 34N-30C-M (2117'FSL & 2053'FWL, SEC.29) Well: GOETZEL 34N-30C-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2739.06 | 2637.71 | -587.54 | 387.19 | 52.07 | 463.20 | 21.80 | 21.92 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2837.80 | 2730.23 | -614.52 | 408.67 | 52.77 | 477.97 | 22.89 | 21.52 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2936.55 | 2822.75 | -641.50 | 430.15 | 53.43 | 492.80 | 24.01 | 21.12 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3035.29 | 2915.27 | -668.49 | 451.64 | 54.04 | 507.70 | 25.17 | 20.73 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3134.03 | 3007.79 | -695.47 | 473.12 | 54.62 | 522.65 | 26.36 | 20.35 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3232.77 | 3100.31 | -722.45 | 494.61 | 55.17 | 537.65 | 27.57 | 19.99 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3331.51 | 3192.83 | -749.43 | 516.09 | 55.69 | 552.70 | 28.81 | 19.64 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3430.25 | 3285.36 | -776.42 | 537.57 | 56.18 | 567.78 | 30.08 | 19.31 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3528.99 | 3377.88 | -803.40 | 559.06 | 56.65 | 582.91 | 31.36 | 18.99 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3627.73 | 3470.40 | -830.38 | 580.54 | 57.09 | 598.07 | 32.66 | 18.70 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3726.47 | 3562.92 | -857.36 | 602.02 | 57.51 | 613.27 | 33.97 | 18.42 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3825.21 | 3655.44 | -884.35 | 623.51 | 57.91 | 628.49 | 35.30 | 18.15 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3923.95 | 3747.96 | -911.33 | 644.99 | 58.30 | 643.75 | 36.63 | 17.90 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 4022.69 | 3840.48 | -938.31 | 666.48 | 58.66 | 659.03 | 37.98 | 17.66 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4121.43 | 3933.00 | -965.29 | 687.96 | 59.01 | 674.34 | 39.34 | 17.44 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4220.17 | 4025.52 | -992.28 | 709.44 | 59.34 | 689.67 | 40.71 | 17.22 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4318.91 | 4118.04 | -1019.26 | 730.93 | 59.66 | 705.02 | 42.09 | 17.02 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4417.66 | 4210.56 | -1046.24 | 752.41 | 59.96 | 720.39 | 43.47 | 16.83 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4516.40 | 4303.08 | -1073.22 | 773.89 | 60.25 | 735.78 | 44.86 | 16.65 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4615.14 | 4395.61 | -1100.21 | 795.38 | 60.53 | 751.19 | 46.25 | 16.48 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4713.88 | 4488.13 | -1127.19 | 816.86 | 60.80 | 766.62 | 47.65 | 16.31 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4812.62 | 4580.65 | -1154.17 | 838.35 | 61.06 | 782.06 | 49.06 | 16.16 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4911.36 | 4673.17 | -1181.15 | 859.83 | 61.31 | 797.51 | 50.47 | 16.01 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 5010.10 | 4765.69 | -1208.14 | 881.31 | 61.54 | 812.98 | 51.89 | 15.87 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5108.84 | 4858.21 | -1235.12 | 902.80 | 61.77 | 828.47 | 53.31 | 15.74 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5207.58 | 4950.73 | -1262.10 | 924.28 | 61.99 | 843.96 | 54.73 | 15.61 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5306.32 | 5043.25 | -1289.08 | 945.76 | 62.21 | 859.47 | 56.16 | 15.49 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5405.06 | 5135.77 | -1316.07 | 967.25 | 62.41 | 874.99 | 57.59 | 15.37 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5503.80 | 5228.29 | -1343.05 | 988.73 | 62.61 | 890.52 | 59.02 | 15.26 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5602.54 | 5320.81 | -1370.03 | 1010.22 | 62.80 | 906.06 | 60.46 | 15.15 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#23 GOETZEL 34N-30C-M (2117'FSL & 2053'FWL, SEC.29) Well: GOETZEL 34N-30C-M 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5701.28 | 5413.33 | -1397.01 | 1031.70 | 62.99 | 921.61 | 61.89 | 15.05 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5800.02 | 5505.86 | -1424.00 | 1053.18 | 63.17 | 937.17 | 63.33 | 14.95 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5898.76 | 5598.38 | -1450.98 | 1074.67 | 63.34 | 952.73 | 64.78 | 14.86 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5997.51 | 5690.90 | -1477.96 | 1096.15 | 63.51 | 968.31 | 66.22 | 14.77 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6096.25 | 5783.42 | -1504.94 | 1117.64 | 63.67 | 983.89 | 67.67 | 14.68 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6194.99 | 5875.94 | -1531.93 | 1139.12 | 63.83 | 999.48 | 69.12 | 14.60 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1664.10 | -61.07 | -0.52 | -123.07 | 48.85 |
| 8.5in Open Hole | 1700.00 | 15628.00 | 13928.00 | 1664.10 | 6955.00 | -123.07 | 48.85 | -710.78 | -2247.95 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 34N-30C-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|---|------------------|-----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 34N-30C-M PWB |
| 1700.00 | 15628.90 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 34N-30C-M PWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 34N-30C-M PWB Offset Wellpath: GOETZEL 34N-30C-M REV-A.0 PWP | |
|---|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#24 GOETZEL 34C-30-M (2097'FSL & 2053'FWL, SEC.29) Well: GOETZEL 34C-30-M 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 MASH [ft] | Sep Ratio | ACR Status | |
| 25.00 | 25.00 | 0.00 | 0.00 | 25.00 | 25.00 | -120.22 | -1.16 | -179.45 | 120.23 | 1.72 | 198.51 | PASS | |
| 125.00† | 125.00 | 0.00 | 0.00 | 125.00 | 125.00 | -120.22 | -1.16 | -179.45 | 120.23 | 2.05 | 129.15 | PASS | |
| 225.00† | 225.00 | 0.00 | 0.00 | 225.00 | 225.00 | -120.22 | -1.16 | -179.45 | 120.23 | 2.62 | 79.82 | PASS | |
| 325.00† | 325.00 | 0.00 | 0.00 | 324.18 | 324.18 | -120.31 | -1.10 | -179.48 | 120.32 | 3.21 | 57.04 | PASS | |
| 425.00† | 425.00 | 0.00 | 0.00 | 420.82 | 420.79 | -122.30 | 0.32 | 179.85 | 122.37 | 4.01 | 42.00 | PASS | |
| 525.00† | 525.00 | 0.00 | 0.00 | 517.19 | 516.99 | -126.93 | 3.61 | 178.37 | 127.23 | 5.10 | 31.75 | PASS | |
| 625.00† | 625.00 | 0.00 | 0.00 | 613.07 | 612.45 | -134.15 | 8.75 | 176.27 | 135.02 | 6.08 | 27.00 | PASS | |
| 725.00† | 725.00 | 0.00 | 0.00 | 708.26 | 706.87 | -143.89 | 15.68 | 173.78 | 145.87 | 7.02 | 24.55 | PASS | |
| 825.00† | 825.00 | 0.00 | 0.00 | 802.54 | 799.97 | -156.05 | 24.33 | 171.14 | 159.90 | 7.92 | 23.35 | PASS | |
| 925.00† | 925.00 | 0.00 | 0.00 | 895.73 | 891.45 | -170.51 | 34.62 | 168.52 | 177.20 | 8.86 | 22.76 | PASS | |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 987.67 | 981.08 | -187.15 | 46.46 | 166.06 | 197.77 | 9.65 | 23.07 | PASS | |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1078.18 | 1068.65 | -205.81 | 59.74 | 163.81 | 221.59 | 10.45 | 23.65 | PASS | |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1100.57 | 1090.19 | -210.77 | 63.27 | 163.29 | 228.05 | 10.66 | 23.80 | PASS | |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1167.36 | 1154.17 | -226.39 | 74.39 | 45.96 | 247.95 | 11.26 | 24.35 | PASS | |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1255.69 | 1238.07 | -248.91 | 90.41 | 44.38 | 275.08 | 12.04 | 25.10 | PASS | |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1343.21 | 1320.30 | -273.28 | 107.75 | 43.32 | 302.74 | 12.99 | 25.42 | PASS | |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1439.47 | 1410.24 | -301.24 | 127.64 | 42.70 | 329.42 | 13.76 | 25.98 | PASS | |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1536.48 | 1500.88 | -329.42 | 147.69 | 42.54 | 353.63 | 14.57 | 26.22 | PASS | |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1634.04 | 1592.03 | -357.75 | 167.85 | 42.77 | 375.35 | 15.00 | 26.58 | PASS | |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1732.00 | 1683.56 | -386.20 | 188.10 | 43.33 | 394.62 | 15.20 | 27.19 | PASS | |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1830.27 | 1775.37 | -414.74 | 208.41 | 44.19 | 411.50 | 15.53 | 27.72 | PASS | |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1853.75 | 1797.31 | -421.56 | 213.26 | 44.43 | 415.19 | 15.61 | 27.82 | PASS | |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1928.68 | 1867.32 | -443.33 | 228.75 | 45.38 | 426.80 | 15.87 | 28.10 | PASS | |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2027.10 | 1959.27 | -471.91 | 249.09 | 46.54 | 442.22 | 16.33 | 28.27 | PASS | |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2125.51 | 2051.22 | -500.49 | 269.43 | 47.63 | 457.80 | 16.90 | 28.24 | PASS | |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2223.93 | 2143.17 | -529.08 | 289.77 | 48.64 | 473.53 | 17.56 | 28.05 | PASS | |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2322.34 | 2235.12 | -557.66 | 310.10 | 49.59 | 489.40 | 18.32 | 27.74 | PASS | |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2420.76 | 2327.07 | -586.24 | 330.44 | 50.48 | 505.40 | 19.16 | 27.35 | PASS | |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2519.18 | 2419.02 | -614.83 | 350.78 | 51.32 | 521.50 | 20.07 | 26.91 | PASS | |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2617.59 | 2510.97 | -643.41 | 371.12 | 52.11 | 537.71 | 21.03 | 26.42 | PASS | |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#24 GOETZEL 34C-30-M (2097'FSL & 2053'FWL, SEC.29) Well: GOETZEL 34C-30-M 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2716.01 | 2602.93 | -671.99 | 391.46 | 52.85 | 554.01 | 22.05 | 25.93 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2814.42 | 2694.88 | -700.58 | 411.80 | 53.54 | 570.40 | 23.12 | 25.42 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2912.84 | 2786.83 | -729.16 | 432.14 | 54.20 | 586.86 | 24.22 | 24.93 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3011.25 | 2878.78 | -757.74 | 452.48 | 54.83 | 603.40 | 25.36 | 24.45 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3109.67 | 2970.73 | -786.33 | 472.82 | 55.42 | 620.00 | 26.53 | 23.98 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3208.09 | 3062.68 | -814.91 | 493.16 | 55.98 | 636.66 | 27.73 | 23.53 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3306.50 | 3154.63 | -843.50 | 513.49 | 56.51 | 653.38 | 28.96 | 23.10 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3404.92 | 3246.58 | -872.08 | 533.83 | 57.01 | 670.15 | 30.20 | 22.70 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3503.33 | 3338.53 | -900.66 | 554.17 | 57.49 | 686.97 | 31.47 | 22.31 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3601.75 | 3430.48 | -929.25 | 574.51 | 57.95 | 703.84 | 32.75 | 21.94 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3700.16 | 3522.43 | -957.83 | 594.85 | 58.38 | 720.74 | 34.05 | 21.60 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3798.58 | 3614.38 | -986.41 | 615.19 | 58.80 | 737.69 | 35.36 | 21.27 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3896.99 | 3706.33 | -1015.00 | 635.53 | 59.20 | 754.67 | 36.68 | 20.96 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3995.41 | 3798.28 | -1043.58 | 655.87 | 59.58 | 771.68 | 38.02 | 20.67 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4093.83 | 3890.24 | -1072.16 | 676.21 | 59.94 | 788.73 | 39.36 | 20.39 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4192.24 | 3982.19 | -1100.75 | 696.55 | 60.29 | 805.81 | 40.71 | 20.12 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4290.66 | 4074.14 | -1129.33 | 716.89 | 60.62 | 822.91 | 42.08 | 19.88 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4389.07 | 4166.09 | -1157.91 | 737.22 | 60.94 | 840.04 | 43.45 | 19.64 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4487.49 | 4258.04 | -1186.50 | 757.56 | 61.25 | 857.19 | 44.82 | 19.41 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4585.90 | 4349.99 | -1215.08 | 777.90 | 61.54 | 874.37 | 46.21 | 19.20 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4684.32 | 4441.94 | -1243.67 | 798.24 | 61.83 | 891.57 | 47.60 | 19.00 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4782.74 | 4533.89 | -1272.25 | 818.58 | 62.10 | 908.79 | 48.99 | 18.81 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4881.15 | 4625.84 | -1300.83 | 838.92 | 62.36 | 926.02 | 50.39 | 18.62 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4979.57 | 4717.79 | -1329.42 | 859.26 | 62.61 | 943.28 | 51.79 | 18.45 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5077.98 | 4809.74 | -1358.00 | 879.60 | 62.86 | 960.55 | 53.20 | 18.28 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5176.40 | 4901.69 | -1386.58 | 899.94 | 63.09 | 977.84 | 54.62 | 18.13 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5274.81 | 4993.64 | -1415.17 | 920.28 | 63.32 | 995.15 | 56.03 | 17.98 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 13.5in Open Hole | 25.00 | 1700.00 | 1675.00 | 25.00 | 1653.66 | -73.29 | -0.71 | -151.53 | 54.96 |
| 8.5in Open Hole | 1700.00 | 15769.00 | 14069.00 | 1653.66 | 7060.00 | -151.53 | 54.96 | -783.75 | -2248.04 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|---|------------------|----------------------|
| 25.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | | GOETZEL 34C-30-M PWB |
| 1700.00 | 15769.14 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 34C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 34C-30-M PWB Offset Wellpath: GOETZEL 34C-30-M REV-A.0 PWP

| | |
|-----------------------------------|---|
| MD Reference: H&P 562 (25') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 25.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32N-30C-M PWB Offset Wellpath: GOETZEL 32N-30C-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#12 GOETZEL 32N-30C-M (2093'FNL & 2447'FEL, SEC.29) Well: GOETZEL 32N-30C-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1002.19 | 820.36 | 39.30 | 1295.13 | 1.43 | 4313.36 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32N-30C-M PWB Offset Wellpath: GOETZEL 32N-30C-M PWP (REV-C.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: GOETZEL 32N-30C-M PWB Offset Wellpath: GOETZEL 32N-30C-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1701.64 | 610.94 | 500.08 | 598.73 | 512.05 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1701.64 | 610.94 | 500.08 | 598.73 | 512.05 |
| 8.5in Open Hole | 1700.00 | 15700.05 | 14000.05 | 1701.64 | 7047.00 | 598.73 | 512.05 | 389.92 | -2109.57 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 32N-30C-M PWB Offset Wellpath: GOETZEL 32N-30C-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|-----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 32N-30C-M PWB |
| 1700.00 | 15701.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 32N-30C-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32N-30C-M PWB Offset Wellpath: GOETZEL 32N-30C-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 32C-30-M PWB Offset Wellpath: GOETZEL 32C-30-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL 32C-30-M (2073'FNL & 2446'FEL, SEC.29) Well: GOETZEL 32C-30-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1022.22 | 820.59 | 38.76 | 1310.84 | 1.42 | 4365.73 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 32C-30-M PWB Offset Wellpath: GOETZEL 32C-30-M PWP (REV-C.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: GOETZEL 32C-30-M PWB Offset Wellpath: GOETZEL 32C-30-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.73 | 623.16 | 500.22 | 618.04 | 510.80 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.73 | 623.16 | 500.22 | 618.04 | 510.80 |
| 8.5in Open Hole | 1700.00 | 15810.83 | 14110.83 | 1702.73 | 7165.00 | 618.04 | 510.80 | 456.99 | -2109.65 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 32C-30-M PWB Offset Wellpath: GOETZEL 32C-30-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 32C-30-M PWB |
| 1700.00 | 15811.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 32C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 32C-30-M PWB Offset Wellpath: GOETZEL 32C-30-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) Well: FIRESTIEN #30-44 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -8.00 | 25.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 25.73 | 129.93 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 92.00 | 125.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 52.24 | 62.28 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 192.00 | 225.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 54.55 | 59.60 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 292.00 | 325.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 56.86 | 57.14 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 392.00 | 425.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 59.18 | 54.87 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 492.00 | 525.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 61.33 | 52.77 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 592.00 | 625.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 63.65 | 50.82 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 692.00 | 725.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 65.98 | 49.01 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 792.00 | 825.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 68.31 | 47.32 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 892.00 | 925.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 70.65 | 45.74 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 992.00 | 1025.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 72.99 | 44.25 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1092.00 | 1125.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 75.33 | 42.86 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1117.00 | 1150.00 | -1658.96 | -2733.50 | -121.25 | 3197.53 | 75.92 | 42.53 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1191.99 | 1224.99 | -1658.96 | -2733.50 | 123.04 | 3198.06 | 77.68 | 41.56 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1291.89 | 1324.89 | -1658.96 | -2733.50 | 123.07 | 3200.44 | 80.04 | 40.36 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1391.58 | 1424.58 | -1658.96 | -2733.50 | 123.11 | 3204.74 | 82.41 | 39.24 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1490.93 | 1523.93 | -1658.96 | -2733.50 | 123.18 | 3210.95 | 84.78 | 38.21 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1589.83 | 1622.83 | -1658.96 | -2733.50 | 123.26 | 3219.11 | 87.15 | 37.25 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1688.15 | 1721.15 | -1658.96 | -2733.50 | 123.35 | 3229.24 | 89.27 | 36.39 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1785.77 | 1818.77 | -1658.96 | -2733.50 | 123.47 | 3241.36 | 91.55 | 35.61 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1882.58 | 1915.58 | -1658.96 | -2733.50 | 123.59 | 3255.50 | 93.84 | 34.89 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1905.55 | 1938.55 | -1658.96 | -2733.50 | 123.62 | 3259.17 | 94.39 | 34.72 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1978.75 | 2011.75 | -1658.96 | -2733.50 | 123.91 | 3271.14 | 96.12 | 34.22 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2074.88 | 2107.88 | -1658.96 | -2733.50 | 124.30 | 3286.99 | 98.41 | 33.58 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2171.02 | 2204.02 | -1658.96 | -2733.50 | 124.69 | 3303.00 | 100.72 | 32.96 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2267.16 | 2300.16 | -1658.96 | -2733.50 | 125.07 | 3319.16 | 103.06 | 32.37 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2363.29 | 2396.29 | -1658.96 | -2733.50 | 125.44 | 3335.46 | 105.41 | 31.80 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2459.43 | 2492.43 | -1658.96 | -2733.50 | 125.82 | 3351.91 | 107.77 | 31.25 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2555.57 | 2588.57 | -1658.96 | -2733.50 | 126.19 | 3368.51 | 110.16 | 30.72 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2651.71 | 2684.71 | -1658.96 | -2733.50 | 126.56 | 3385.25 | 112.56 | 30.22 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) Well: FIRESTIEN #30-44 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2747.84 | 2780.84 | -1658.96 | -2733.50 | 126.92 | 3402.13 | 114.98 | 29.72 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2843.98 | 2876.98 | -1658.96 | -2733.50 | 127.28 | 3419.15 | 117.41 | 29.25 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2940.12 | 2973.12 | -1658.96 | -2733.50 | 127.63 | 3436.30 | 119.86 | 28.79 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3036.25 | 3069.25 | -1658.96 | -2733.50 | 127.99 | 3453.59 | 122.32 | 28.35 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3132.39 | 3165.39 | -1658.96 | -2733.50 | 128.34 | 3471.01 | 124.80 | 27.93 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3228.53 | 3261.53 | -1658.96 | -2733.50 | 128.68 | 3488.56 | 127.29 | 27.52 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3324.67 | 3357.67 | -1658.96 | -2733.50 | 129.03 | 3506.24 | 129.80 | 27.12 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3420.80 | 3453.80 | -1658.96 | -2733.50 | 129.37 | 3524.05 | 132.31 | 26.74 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3516.94 | 3549.94 | -1658.96 | -2733.50 | 129.70 | 3541.98 | 134.84 | 26.37 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3613.08 | 3646.08 | -1658.96 | -2733.50 | 130.04 | 3560.03 | 137.38 | 26.01 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3709.21 | 3742.21 | -1658.96 | -2733.50 | 130.37 | 3578.20 | 139.93 | 25.67 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3805.35 | 3838.35 | -1658.96 | -2733.50 | 130.69 | 3596.49 | 142.49 | 25.33 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3901.49 | 3934.49 | -1658.96 | -2733.50 | 131.02 | 3614.90 | 145.06 | 25.01 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3997.63 | 4030.63 | -1658.96 | -2733.50 | 131.34 | 3633.43 | 147.64 | 24.70 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4093.76 | 4126.76 | -1658.96 | -2733.50 | 131.65 | 3652.06 | 150.23 | 24.39 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4189.90 | 4222.90 | -1658.96 | -2733.50 | 131.97 | 3670.81 | 152.83 | 24.10 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4286.04 | 4319.04 | -1658.96 | -2733.50 | 132.28 | 3689.67 | 155.44 | 23.82 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4382.17 | 4415.17 | -1658.96 | -2733.50 | 132.59 | 3708.64 | 158.05 | 23.54 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4478.31 | 4511.31 | -1658.96 | -2733.50 | 132.89 | 3727.71 | 160.67 | 23.28 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4574.45 | 4607.45 | -1658.96 | -2733.50 | 133.19 | 3746.89 | 163.30 | 23.02 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4670.58 | 4703.58 | -1658.96 | -2733.50 | 133.49 | 3766.18 | 165.94 | 22.77 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4766.72 | 4799.72 | -1658.96 | -2733.50 | 133.79 | 3785.56 | 168.58 | 22.52 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4862.86 | 4895.86 | -1658.96 | -2733.50 | 134.08 | 3805.05 | 171.23 | 22.29 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4959.00 | 4992.00 | -1658.96 | -2733.50 | 134.37 | 3824.63 | 173.89 | 22.06 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5055.13 | 5088.13 | -1658.96 | -2733.50 | 134.66 | 3844.31 | 176.55 | 21.84 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5151.27 | 5184.27 | -1658.96 | -2733.50 | 134.95 | 3864.09 | 179.21 | 21.62 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5247.41 | 5280.41 | -1658.96 | -2733.50 | 135.23 | 3883.96 | 181.88 | 21.42 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5343.54 | 5376.54 | -1658.96 | -2733.50 | 135.51 | 3903.93 | 184.56 | 21.21 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5439.68 | 5472.68 | -1658.96 | -2733.50 | 135.78 | 3923.98 | 187.24 | 21.02 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5535.82 | 5568.82 | -1658.96 | -2733.50 | 136.06 | 3944.13 | 189.92 | 20.82 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 124 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) Well: FIRESTIEN #30-44 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5631.96 | 5664.96 | -1658.96 | -2733.50 | 136.33 | 3964.37 | 192.61 | 20.64 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5728.09 | 5761.09 | -1658.96 | -2733.50 | 136.60 | 3984.69 | 195.30 | 20.46 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5824.23 | 5857.23 | -1658.96 | -2733.50 | 136.86 | 4005.10 | 198.00 | 20.28 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5920.37 | 5953.37 | -1658.96 | -2733.50 | 137.13 | 4025.59 | 200.70 | 20.11 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6016.50 | 6049.50 | -1658.96 | -2733.50 | 137.39 | 4046.17 | 203.40 | 19.94 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6112.64 | 6145.64 | -1658.96 | -2733.50 | 137.64 | 4066.82 | 206.11 | 19.78 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6182.94 | 6215.94 | -1658.96 | -2733.50 | 137.83 | 4081.98 | 208.09 | 19.67 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6208.89 | 6241.89 | -1658.96 | -2733.50 | 133.79 | 4087.08 | 208.81 | 19.62 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6306.96 | 6339.96 | -1658.96 | -2733.50 | 103.96 | 4097.54 | 211.58 | 19.41 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6405.96 | 6438.96 | -1658.96 | -2733.50 | 50.15 | 4094.42 | 214.50 | 19.13 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6503.95 | 6536.95 | -1658.96 | -2733.50 | 20.97 | 4077.76 | 217.41 | 18.80 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6599.03 | 6632.03 | -1658.96 | -2733.50 | 9.18 | 4047.87 | 220.26 | 18.42 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6689.35 | 6722.35 | -1658.96 | -2733.50 | 2.91 | 4005.31 | 222.90 | 18.01 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6773.15 | 6806.15 | -1658.96 | -2733.50 | -1.44 | 3950.90 | 225.29 | 17.58 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6848.80 | 6881.80 | -1658.96 | -2733.50 | -5.29 | 3885.69 | 227.42 | 17.12 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6914.83 | 6947.83 | -1658.96 | -2733.50 | -9.48 | 3810.96 | 229.26 | 16.66 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6969.95 | 7002.95 | -1658.96 | -2733.50 | -14.97 | 3728.19 | 230.80 | 16.19 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7013.09 | 7046.09 | -1658.96 | -2733.50 | -23.37 | 3639.01 | 232.04 | 15.72 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7043.41 | 7076.41 | -1658.96 | -2733.50 | -38.05 | 3545.19 | 232.98 | 15.25 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7060.32 | 7093.32 | -1658.96 | -2733.50 | -64.53 | 3448.60 | 233.63 | 14.79 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 3377.49 | 233.92 | 14.47 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 3351.14 | 234.01 | 14.35 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 3253.82 | 234.35 | 13.91 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 3156.67 | 234.76 | 13.48 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 3059.70 | 235.23 | 13.04 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2962.94 | 235.78 | 12.59 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2866.40 | 236.41 | 12.15 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2770.10 | 237.14 | 11.71 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2674.08 | 237.99 | 11.26 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2578.35 | 238.96 | 10.81 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) Well: FIRESTIEN #30-44 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2482.97 | 240.08 | 10.36 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2387.96 | 241.36 | 9.91 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2293.38 | 242.82 | 9.46 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2199.27 | 244.50 | 9.01 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2105.71 | 246.42 | 8.56 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 2012.77 | 248.61 | 8.11 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1920.54 | 251.11 | 7.66 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1829.12 | 253.96 | 7.22 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1738.65 | 257.22 | 6.77 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1649.28 | 260.93 | 6.33 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1561.21 | 265.16 | 5.90 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1474.65 | 269.98 | 5.47 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1389.90 | 275.46 | 5.05 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1307.30 | 281.67 | 4.65 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1227.30 | 288.70 | 4.26 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1150.43 | 296.61 | 3.88 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1077.36 | 305.44 | 3.53 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 1008.92 | 315.18 | 3.20 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 946.12 | 325.73 | 2.91 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 890.15 | 336.84 | 2.65 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 842.38 | 348.10 | 2.42 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 804.25 | 358.84 | 2.24 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 777.20 | 368.27 | 2.11 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 762.41 | 375.52 | 2.03 | PASS |
| 10989.35† | 7097.00 | -900.22 | -2772.14 | 7063.64 | 7096.64 | -1658.96 | -2733.50 | -89.97 | 759.73 | 378.70 | 2.01 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 760.59 | 379.93 | 2.00 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 771.83 | 381.21 | 2.03 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 795.57 | 379.55 | 2.10 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 830.76 | 375.53 | 2.21 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 876.01 | 369.85 | 2.37 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) Well: FIRESTIEN #30-44 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 |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 929.84 | 363.22 | 2.56 | PASS |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7064.00 | 7097.00 | -1658.96 | -2733.50 | -90.00 | 990.88 | 356.18 | 2.78 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 400.00 | 400.00 | 8.00 | 408.00 | -1011.21 | -1666.40 | -1011.21 | -1666.40 |
| 8.625in Casing Surface | 0.00 | 400.00 | 400.00 | 8.00 | 408.00 | -1011.21 | -1666.40 | -1011.21 | -1666.40 |
| 7.875in Open Hole | 400.00 | 7175.00 | 6775.00 | 408.00 | 7183.00 | -1011.21 | -1666.40 | -1011.21 | -1666.40 |
| 4.5in Casing Production | 0.00 | 7175.00 | 7175.00 | 8.00 | 7183.00 | -1011.21 | -1666.40 | -1011.21 | -1666.40 |

WELLPATH COMPOSITION - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|----------------------|
| 0.00 | 7254.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7254' FROM CO WEBSITE> | FIRESTIEN #30-44 AWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

OFFSET WELLPATH REFERENCE - Offset Wellbore: FIRESTIEN #30-44 AWB Offset Wellpath: FIRESTIEN #30-44 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#08 EX FIRESTIEN #30-44 (646'FSL & 668'FEL SEC.30, 7254'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 128 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 12.98 | 29.98 | -264.22 | -5643.66 | -92.68 | 5649.85 | 50.13 | 114.81 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 138.11 | 155.11 | -263.37 | -5643.14 | -92.67 | 5649.36 | 50.13 | 114.79 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 222.50 | 239.49 | -262.76 | -5642.85 | -92.67 | 5648.98 | 50.14 | 114.75 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 313.53 | 330.53 | -262.22 | -5642.71 | -92.66 | 5648.80 | 50.16 | 114.70 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 405.09 | 422.08 | -261.79 | -5642.71 | -92.66 | 5648.78 | 50.01 | 114.65 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 502.41 | 519.40 | -261.32 | -5642.81 | -92.65 | 5648.86 | 50.04 | 114.58 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 598.39 | 615.37 | -260.70 | -5642.96 | -92.65 | 5648.99 | 50.08 | 114.50 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 700.91 | 717.90 | -260.11 | -5643.14 | -92.64 | 5649.14 | 50.13 | 114.39 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 796.87 | 813.86 | -259.70 | -5643.32 | -92.64 | 5649.30 | 50.18 | 114.28 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 879.33 | 896.31 | -259.26 | -5643.63 | -92.63 | 5649.65 | 50.23 | 114.16 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 974.82 | 991.80 | -258.55 | -5644.21 | -92.62 | 5650.23 | 50.30 | 114.03 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1117.78 | 1134.75 | -257.39 | -5644.70 | -92.61 | 5650.57 | 50.38 | 113.84 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1178.97 | 1195.95 | -257.27 | -5644.40 | -92.61 | 5650.45 | 50.41 | 113.77 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1240.66 | 1257.63 | -257.58 | -5643.87 | 151.68 | 5650.70 | 50.47 | 113.64 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1301.68 | 1318.65 | -258.07 | -5643.70 | 151.65 | 5654.30 | 50.57 | 113.48 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1357.42 | 1374.38 | -258.49 | -5643.96 | 151.60 | 5661.71 | 50.69 | 113.35 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1416.99 | 1433.95 | -258.74 | -5644.71 | 151.52 | 5672.94 | 50.82 | 113.28 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1489.73 | 1506.67 | -258.91 | -5646.03 | 151.43 | 5687.76 | 50.96 | 113.26 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1566.67 | 1583.59 | -258.87 | -5647.75 | 151.32 | 5706.02 | 50.88 | 113.35 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1644.78 | 1661.68 | -258.42 | -5649.78 | 151.19 | 5727.64 | 50.97 | 113.57 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1721.18 | 1738.05 | -258.00 | -5652.02 | 151.04 | 5752.57 | 51.08 | 113.81 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1738.28 | 1755.14 | -257.93 | -5652.56 | 151.01 | 5759.01 | 51.11 | 113.88 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1792.72 | 1809.55 | -257.75 | -5654.38 | 151.08 | 5780.00 | 51.17 | 114.16 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 1906.59 | 1923.35 | -257.51 | -5658.25 | 151.24 | 5807.63 | 51.29 | 114.42 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2056.87 | 2073.58 | -258.07 | -5662.17 | 151.44 | 5834.50 | 51.46 | 114.57 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2180.32 | 2196.99 | -259.10 | -5664.62 | 151.60 | 5860.88 | 51.63 | 114.70 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2282.48 | 2299.13 | -260.38 | -5666.30 | 151.72 | 5886.94 | 51.80 | 114.83 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2378.24 | 2394.87 | -261.64 | -5667.85 | 151.83 | 5913.01 | 51.99 | 114.93 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2468.28 | 2484.89 | -263.00 | -5669.33 | 151.94 | 5939.14 | 52.18 | 115.00 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2568.99 | 2585.57 | -264.74 | -5671.05 | 152.05 | 5965.35 | 52.40 | 115.02 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 129 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2674.54 | 2691.09 | -266.63 | -5672.67 | 152.17 | 5991.42 | 52.64 | 114.98 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2774.67 | 2791.20 | -268.11 | -5674.10 | 152.28 | 6017.39 | 52.90 | 114.93 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2881.43 | 2897.95 | -269.03 | -5675.53 | 152.40 | 6043.29 | 53.17 | 114.82 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 2966.38 | 2982.89 | -269.74 | -5676.62 | 152.50 | 6069.16 | 53.44 | 114.72 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3052.91 | 3069.41 | -270.36 | -5677.93 | 152.60 | 6095.27 | 53.72 | 114.60 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3133.83 | 3150.31 | -270.99 | -5679.25 | 152.70 | 6121.53 | 54.02 | 114.47 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3205.21 | 3221.67 | -271.71 | -5680.69 | 152.78 | 6148.17 | 54.31 | 114.34 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3306.92 | 3323.35 | -272.91 | -5682.88 | 152.89 | 6174.95 | 54.65 | 114.11 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3397.38 | 3413.79 | -273.91 | -5684.82 | 152.99 | 6201.76 | 54.99 | 113.88 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3556.16 | 3572.54 | -275.95 | -5687.02 | 153.16 | 6227.66 | 55.43 | 113.45 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3641.89 | 3658.24 | -277.63 | -5688.15 | 153.24 | 6253.70 | 55.79 | 113.18 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3734.24 | 3750.55 | -279.92 | -5689.37 | 153.33 | 6279.77 | 56.18 | 112.87 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3810.95 | 3827.22 | -282.42 | -5690.55 | 153.40 | 6306.06 | 56.55 | 112.58 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3876.67 | 3892.87 | -285.06 | -5691.83 | 153.45 | 6332.76 | 56.92 | 112.32 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 3945.48 | 3961.58 | -288.22 | -5693.49 | 153.50 | 6359.90 | 57.30 | 112.04 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4015.91 | 4031.91 | -291.58 | -5695.47 | 153.55 | 6387.45 | 57.70 | 111.75 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4086.16 | 4102.04 | -294.85 | -5697.73 | 153.60 | 6415.38 | 58.10 | 111.46 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4245.16 | 4260.85 | -301.36 | -5702.14 | 153.72 | 6442.80 | 58.65 | 110.87 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4324.75 | 4340.38 | -303.79 | -5704.18 | 153.78 | 6470.14 | 59.08 | 110.51 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4429.92 | 4445.46 | -307.03 | -5707.03 | 153.87 | 6497.64 | 59.57 | 110.07 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4587.88 | 4603.31 | -311.88 | -5710.12 | 154.00 | 6524.37 | 60.15 | 109.44 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4702.19 | 4717.56 | -315.14 | -5711.74 | 154.10 | 6550.64 | 60.67 | 108.93 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4786.71 | 4802.04 | -317.51 | -5712.91 | 154.17 | 6576.90 | 61.16 | 108.49 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4896.76 | 4912.04 | -320.49 | -5714.43 | 154.26 | 6603.17 | 61.69 | 107.97 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5009.46 | 5024.70 | -323.26 | -5715.69 | 154.35 | 6629.20 | 62.24 | 107.44 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5101.18 | 5116.39 | -325.36 | -5716.63 | 154.43 | 6655.15 | 62.76 | 106.96 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5166.56 | 5181.75 | -326.64 | -5717.47 | 154.49 | 6681.38 | 63.24 | 106.56 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5260.21 | 5275.38 | -328.13 | -5719.00 | 154.58 | 6707.97 | 63.78 | 106.07 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5339.68 | 5354.83 | -329.47 | -5720.23 | 154.65 | 6734.49 | 64.29 | 105.63 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5398.00 | 5413.13 | -330.34 | -5721.43 | 154.70 | 6761.52 | 64.78 | 105.25 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5515.29 | 5530.38 | -331.86 | -5724.05 | 154.81 | 6788.73 | 65.38 | 104.69 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5678.94 | 5694.00 | -333.57 | -5726.34 | 154.96 | 6815.09 | 66.08 | 103.98 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5861.88 | 5876.94 | -334.43 | -5726.85 | 155.14 | 6840.40 | 66.82 | 103.20 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5962.95 | 5978.01 | -334.80 | -5726.49 | 155.23 | 6865.20 | 67.41 | 102.65 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6069.70 | 6084.76 | -335.23 | -5726.08 | 155.34 | 6889.98 | 68.02 | 102.10 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6180.57 | 6195.62 | -335.85 | -5725.40 | 155.44 | 6914.56 | 68.64 | 101.53 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6257.98 | 6273.03 | -336.14 | -5724.81 | 155.51 | 6932.44 | 69.09 | 101.12 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6286.30 | 6301.35 | -336.22 | -5724.58 | 151.30 | 6938.51 | 69.26 | 100.97 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6392.10 | 6407.15 | -336.12 | -5723.61 | 121.08 | 6952.35 | 69.95 | 100.16 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6446.78 | 6461.83 | -335.72 | -5723.21 | 67.20 | 6952.59 | 70.81 | 98.93 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6496.77 | 6511.81 | -335.16 | -5723.20 | 38.32 | 6939.69 | 71.71 | 97.51 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6572.17 | 6587.20 | -334.07 | -5723.54 | 27.28 | 6913.70 | 72.64 | 95.89 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6647.76 | 6662.78 | -332.90 | -5724.07 | 22.26 | 6874.85 | 73.35 | 94.42 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6722.88 | 6737.88 | -331.91 | -5724.74 | 19.83 | 6823.84 | 73.91 | 93.00 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6866.79 | 6881.80 | -331.34 | -5725.19 | 19.05 | 6760.90 | 74.70 | 91.16 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6932.82 | 6947.83 | -331.34 | -5725.19 | 19.27 | 6687.78 | 75.44 | 89.28 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6987.94 | 7002.95 | -331.34 | -5725.19 | 20.73 | 6606.04 | 76.18 | 87.33 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7031.09 | 7046.09 | -331.34 | -5725.19 | 24.11 | 6517.27 | 76.89 | 85.36 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7061.41 | 7076.41 | -331.34 | -5725.19 | 31.61 | 6423.19 | 77.41 | 83.56 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7078.32 | 7093.32 | -331.34 | -5725.19 | 51.80 | 6325.62 | 77.68 | 81.99 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 6253.33 | 77.74 | 80.99 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 6226.45 | 77.75 | 80.64 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 6127.13 | 77.76 | 79.34 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 6027.83 | 77.78 | 78.03 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5928.55 | 77.82 | 76.71 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5829.29 | 77.86 | 75.38 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5730.07 | 77.92 | 74.04 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5630.86 | 78.00 | 72.69 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5531.69 | 78.09 | 71.32 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5432.55 | 78.20 | 69.95 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 131 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5333.44 | 78.33 | 68.56 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5234.36 | 78.47 | 67.16 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5135.32 | 78.64 | 65.74 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 5036.32 | 78.84 | 64.32 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4937.36 | 79.06 | 62.88 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4838.44 | 79.31 | 61.42 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4739.56 | 79.59 | 59.95 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4640.74 | 79.90 | 58.47 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4541.96 | 80.26 | 56.97 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4443.24 | 80.65 | 55.46 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4344.58 | 81.09 | 53.93 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4245.98 | 81.57 | 52.39 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4147.45 | 82.11 | 50.84 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 4048.99 | 82.70 | 49.27 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3950.61 | 83.36 | 47.69 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3852.31 | 84.09 | 46.10 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3754.10 | 84.89 | 44.50 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3655.99 | 85.77 | 42.89 | PASS |
| 10425.00† | 7097.00 | -871.86 | -2208.50 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3557.99 | 86.75 | 41.27 | PASS |
| 10525.00† | 7097.00 | -876.88 | -2308.38 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3460.09 | 87.82 | 39.64 | PASS |
| 10625.00† | 7097.00 | -881.91 | -2408.25 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3362.32 | 88.99 | 38.01 | PASS |
| 10725.00† | 7097.00 | -886.93 | -2508.12 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3264.69 | 90.29 | 36.37 | PASS |
| 10825.00† | 7097.00 | -891.96 | -2608.00 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3167.21 | 91.71 | 34.73 | PASS |
| 10925.00† | 7097.00 | -896.98 | -2707.87 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 3069.88 | 93.28 | 33.10 | PASS |
| 11025.00† | 7097.00 | -902.01 | -2807.75 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2972.74 | 95.00 | 31.47 | PASS |
| 11125.00† | 7097.00 | -907.03 | -2907.62 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2875.78 | 96.89 | 29.84 | PASS |
| 11225.00† | 7097.00 | -912.06 | -3007.49 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2779.05 | 98.98 | 28.23 | PASS |
| 11325.00† | 7097.00 | -917.08 | -3107.37 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2682.55 | 101.27 | 26.63 | PASS |
| 11425.00† | 7097.00 | -922.11 | -3207.24 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2586.33 | 103.79 | 25.05 | PASS |
| 11525.00† | 7097.00 | -927.13 | -3307.11 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2490.39 | 106.56 | 23.48 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 11625.00† | 7097.00 | -932.15 | -3406.99 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2394.80 | 109.62 | 21.95 | PASS |
| 11725.00† | 7097.00 | -937.18 | -3506.86 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2299.57 | 113.00 | 20.44 | PASS |
| 11825.00† | 7097.00 | -942.20 | -3606.73 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2204.77 | 116.73 | 18.97 | PASS |
| 11925.00† | 7097.00 | -947.23 | -3706.61 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2110.45 | 120.85 | 17.54 | PASS |
| 12025.00† | 7097.00 | -952.25 | -3806.48 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 2016.67 | 125.42 | 16.14 | PASS |
| 12125.00† | 7097.00 | -957.28 | -3906.36 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1923.53 | 130.49 | 14.80 | PASS |
| 12225.00† | 7097.00 | -962.30 | -4006.23 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1831.10 | 136.12 | 13.50 | PASS |
| 12325.00† | 7097.00 | -967.33 | -4106.10 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1739.52 | 142.39 | 12.26 | PASS |
| 12425.00† | 7097.00 | -972.35 | -4205.98 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1648.91 | 149.38 | 11.07 | PASS |
| 12525.00† | 7097.00 | -977.38 | -4305.85 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1559.45 | 157.19 | 9.95 | PASS |
| 12625.00† | 7097.00 | -982.40 | -4405.72 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1471.35 | 165.93 | 8.89 | PASS |
| 12725.00† | 7097.00 | -987.42 | -4505.60 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1384.87 | 175.71 | 7.90 | PASS |
| 12825.00† | 7097.00 | -992.45 | -4605.47 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1300.32 | 186.68 | 6.98 | PASS |
| 12925.00† | 7097.00 | -997.47 | -4705.35 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1218.12 | 198.97 | 6.14 | PASS |
| 13025.00† | 7097.00 | -1002.50 | -4805.22 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1138.77 | 212.71 | 5.36 | PASS |
| 13125.00† | 7097.00 | -1007.52 | -4905.09 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 1062.91 | 227.98 | 4.67 | PASS |
| 13225.00† | 7097.00 | -1012.55 | -5004.97 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 991.35 | 244.80 | 4.06 | PASS |
| 13325.00† | 7097.00 | -1017.57 | -5104.84 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 925.07 | 263.06 | 3.52 | PASS |
| 13425.00† | 7097.00 | -1022.60 | -5204.71 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 865.29 | 282.38 | 3.07 | PASS |
| 13525.00† | 7097.00 | -1027.62 | -5304.59 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 813.46 | 302.07 | 2.70 | PASS |
| 13625.00† | 7097.00 | -1032.64 | -5404.46 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 771.16 | 320.98 | 2.40 | PASS |
| 13725.00† | 7097.00 | -1037.67 | -5504.34 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 740.05 | 337.57 | 2.19 | PASS |
| 13825.00† | 7097.00 | -1042.69 | -5604.21 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 721.57 | 350.12 | 2.06 | PASS |
| 13910.94† | 7097.00 | -1047.01 | -5690.04 | 7081.09 | 7096.10 | -331.34 | -5725.19 | 89.93 | 716.53 | 356.56 | 2.01 | PASS |
| 13925.00† | 7097.00 | -1047.72 | -5704.08 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 716.69 | 357.21 | 2.01 | PASS |
| 13948.08† | 7097.00 | -1048.88 | -5727.13 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 717.54 | 357.99 | 2.01 | PASS |
| 14025.00† | 7097.00 | -1052.74 | -5803.96 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 725.69 | 358.21 | 2.03 | PASS |
| 14125.00† | 7097.00 | -1057.77 | -5903.83 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 748.07 | 353.49 | 2.12 | PASS |
| 14225.00† | 7097.00 | -1062.79 | -6003.70 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 782.68 | 344.22 | 2.28 | PASS |
| 14325.00† | 7097.00 | -1067.82 | -6103.58 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 827.99 | 331.94 | 2.50 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') Well: TIGGES #30-31 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 |
| 14425.00† | 7097.00 | -1072.84 | -6203.45 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 882.36 | 318.07 | 2.78 | PASS |
| 14525.00† | 7097.00 | -1077.87 | -6303.32 | 7082.00 | 7097.00 | -331.34 | -5725.19 | 90.00 | 944.21 | 303.74 | 3.11 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 366.00 | 366.00 | -8.00 | 357.99 | -160.68 | -3440.40 | -159.99 | -3440.10 |
| 8.625in Casing Surface | 0.00 | 366.00 | 366.00 | -8.00 | 357.99 | -160.68 | -3440.40 | -159.99 | -3440.10 |
| 7.875in Open Hole | 366.00 | 7288.00 | 6922.00 | 357.99 | 7278.00 | -159.99 | -3440.10 | -181.13 | -3465.25 |
| 4.5in Casing Production | 0.00 | 7288.00 | 7288.00 | -8.00 | 7278.00 | -160.68 | -3440.40 | -181.13 | -3465.25 |

WELLPATH COMPOSITION - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|--|-------------------|
| 0.00 | 6742.00 | VESSI GyroFlex v4 | VES GYRO SURVEYS FROM CO WEBSITE <100-6742> | TIGGES #30-31 AWB |
| 6742.00 | 7289.00 | Drift Indicator - Inclination Only (Actual Survey) | ASSUMED VERTICAL TO SURFACE-2DEG CONE <7289> | TIGGES #30-31 AWB |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: TIGGES #30-31 AWB Offset Wellpath: TIGGES #30-31 AWP | |
|--|---|
| MD Reference: Rig on SLOT#04 EX TIGGES #30-31 (2170'FSL & 2550'FEL, SEC.30, PR, 7289') (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

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

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) Well: TOLLGATE #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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -14.00 | 25.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 25.73 | 88.06 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 86.00 | 125.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 52.12 | 42.32 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 186.00 | 225.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 54.43 | 40.49 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 286.00 | 325.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 56.75 | 38.80 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 386.00 | 425.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 58.91 | 37.26 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 486.00 | 525.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 61.24 | 35.82 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 586.00 | 625.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 63.57 | 34.49 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 686.00 | 725.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 65.91 | 33.25 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 786.00 | 825.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 68.25 | 32.10 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 886.00 | 925.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 70.59 | 31.02 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 986.00 | 1025.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 72.94 | 30.01 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1086.00 | 1125.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 75.30 | 29.06 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1111.00 | 1150.00 | -1586.57 | -1476.68 | -137.05 | 2167.44 | 75.89 | 28.84 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1185.99 | 1224.99 | -1586.57 | -1476.68 | 107.25 | 2167.73 | 77.65 | 28.18 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1285.89 | 1324.89 | -1586.57 | -1476.68 | 107.34 | 2169.03 | 80.02 | 27.35 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1385.58 | 1424.58 | -1586.57 | -1476.68 | 107.49 | 2171.38 | 82.38 | 26.59 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1484.93 | 1523.93 | -1586.57 | -1476.68 | 107.71 | 2174.83 | 84.75 | 25.88 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1583.83 | 1622.83 | -1586.57 | -1476.68 | 107.99 | 2179.40 | 87.12 | 25.22 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1682.15 | 1721.15 | -1586.57 | -1476.68 | 108.32 | 2185.17 | 89.24 | 24.63 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1779.77 | 1818.77 | -1586.57 | -1476.68 | 108.72 | 2192.19 | 91.53 | 24.09 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1876.58 | 1915.58 | -1586.57 | -1476.68 | 109.16 | 2200.56 | 93.81 | 23.59 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1899.55 | 1938.55 | -1586.57 | -1476.68 | 109.27 | 2202.76 | 94.36 | 23.47 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 1972.75 | 2011.75 | -1586.57 | -1476.68 | 109.77 | 2210.01 | 96.10 | 23.12 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2068.88 | 2107.88 | -1586.57 | -1476.68 | 110.41 | 2219.80 | 98.41 | 22.68 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2165.02 | 2204.02 | -1586.57 | -1476.68 | 111.05 | 2229.88 | 100.75 | 22.25 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2261.16 | 2300.16 | -1586.57 | -1476.68 | 111.69 | 2240.26 | 103.10 | 21.84 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2357.29 | 2396.29 | -1586.57 | -1476.68 | 112.32 | 2250.92 | 105.47 | 21.45 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2453.43 | 2492.43 | -1586.57 | -1476.68 | 112.94 | 2261.87 | 107.86 | 21.07 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2549.57 | 2588.57 | -1586.57 | -1476.68 | 113.56 | 2273.10 | 110.27 | 20.71 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2645.71 | 2684.71 | -1586.57 | -1476.68 | 114.17 | 2284.61 | 112.70 | 20.36 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

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

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) Well: TOLLGATE #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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2741.84 | 2780.84 | -1586.57 | -1476.68 | 114.78 | 2296.39 | 115.15 | 20.03 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2837.98 | 2876.98 | -1586.57 | -1476.68 | 115.38 | 2308.44 | 117.61 | 19.71 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 2934.12 | 2973.12 | -1586.57 | -1476.68 | 115.97 | 2320.75 | 120.09 | 19.41 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3030.25 | 3069.25 | -1586.57 | -1476.68 | 116.56 | 2333.32 | 122.58 | 19.12 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3126.39 | 3165.39 | -1586.57 | -1476.68 | 117.15 | 2346.15 | 125.09 | 18.83 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3222.53 | 3261.53 | -1586.57 | -1476.68 | 117.72 | 2359.22 | 127.61 | 18.56 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3318.67 | 3357.67 | -1586.57 | -1476.68 | 118.29 | 2372.55 | 130.14 | 18.30 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3414.80 | 3453.80 | -1586.57 | -1476.68 | 118.86 | 2386.12 | 132.69 | 18.05 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3510.94 | 3549.94 | -1586.57 | -1476.68 | 119.42 | 2399.93 | 135.25 | 17.81 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3607.08 | 3646.08 | -1586.57 | -1476.68 | 119.97 | 2413.97 | 137.82 | 17.58 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3703.21 | 3742.21 | -1586.57 | -1476.68 | 120.52 | 2428.24 | 140.40 | 17.36 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3799.35 | 3838.35 | -1586.57 | -1476.68 | 121.06 | 2442.74 | 142.99 | 17.14 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3895.49 | 3934.49 | -1586.57 | -1476.68 | 121.59 | 2457.46 | 145.60 | 16.94 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3991.63 | 4030.63 | -1586.57 | -1476.68 | 122.12 | 2472.41 | 148.21 | 16.74 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4087.76 | 4126.76 | -1586.57 | -1476.68 | 122.64 | 2487.56 | 150.82 | 16.55 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4183.90 | 4222.90 | -1586.57 | -1476.68 | 123.16 | 2502.93 | 153.45 | 16.37 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4280.04 | 4319.04 | -1586.57 | -1476.68 | 123.67 | 2518.50 | 156.09 | 16.19 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4376.17 | 4415.17 | -1586.57 | -1476.68 | 124.17 | 2534.28 | 158.73 | 16.02 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4472.31 | 4511.31 | -1586.57 | -1476.68 | 124.67 | 2550.26 | 161.38 | 15.85 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4568.45 | 4607.45 | -1586.57 | -1476.68 | 125.16 | 2566.43 | 164.03 | 15.69 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4664.58 | 4703.58 | -1586.57 | -1476.68 | 125.65 | 2582.80 | 166.69 | 15.54 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4760.72 | 4799.72 | -1586.57 | -1476.68 | 126.13 | 2599.35 | 169.36 | 15.39 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4856.86 | 4895.86 | -1586.57 | -1476.68 | 126.61 | 2616.09 | 172.03 | 15.25 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4953.00 | 4992.00 | -1586.57 | -1476.68 | 127.08 | 2633.01 | 174.71 | 15.11 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5049.13 | 5088.13 | -1586.57 | -1476.68 | 127.54 | 2650.10 | 177.39 | 14.98 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5145.27 | 5184.27 | -1586.57 | -1476.68 | 128.00 | 2667.38 | 180.08 | 14.85 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5241.41 | 5280.41 | -1586.57 | -1476.68 | 128.45 | 2684.82 | 182.77 | 14.73 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5337.54 | 5376.54 | -1586.57 | -1476.68 | 128.89 | 2702.43 | 185.46 | 14.61 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5433.68 | 5472.68 | -1586.57 | -1476.68 | 129.34 | 2720.21 | 188.16 | 14.50 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5529.82 | 5568.82 | -1586.57 | -1476.68 | 129.77 | 2738.14 | 190.86 | 14.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

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

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) Well: TOLLGATE #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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5625.96 | 5664.96 | -1586.57 | -1476.68 | 130.20 | 2756.24 | 193.57 | 14.28 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5722.09 | 5761.09 | -1586.57 | -1476.68 | 130.63 | 2774.49 | 196.28 | 14.17 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5818.23 | 5857.23 | -1586.57 | -1476.68 | 131.04 | 2792.89 | 198.99 | 14.07 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5914.37 | 5953.37 | -1586.57 | -1476.68 | 131.46 | 2811.44 | 201.70 | 13.97 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6010.50 | 6049.50 | -1586.57 | -1476.68 | 131.87 | 2830.14 | 204.42 | 13.88 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6106.64 | 6145.64 | -1586.57 | -1476.68 | 132.27 | 2848.98 | 207.14 | 13.79 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6176.94 | 6215.94 | -1586.57 | -1476.68 | 132.56 | 2862.84 | 209.13 | 13.72 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6202.89 | 6241.89 | -1586.57 | -1476.68 | 128.59 | 2867.48 | 209.85 | 13.70 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6300.96 | 6339.96 | -1586.57 | -1476.68 | 98.91 | 2876.45 | 212.61 | 13.56 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6399.96 | 6438.96 | -1586.57 | -1476.68 | 45.12 | 2872.18 | 215.49 | 13.36 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6497.95 | 6536.95 | -1586.57 | -1476.68 | 15.83 | 2854.69 | 218.34 | 13.10 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6593.03 | 6632.03 | -1586.57 | -1476.68 | 3.80 | 2824.30 | 221.16 | 12.80 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6683.35 | 6722.35 | -1586.57 | -1476.68 | -2.89 | 2781.57 | 223.79 | 12.46 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6767.15 | 6806.15 | -1586.57 | -1476.68 | -7.89 | 2727.33 | 226.22 | 12.08 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6842.80 | 6881.80 | -1586.57 | -1476.68 | -12.67 | 2662.66 | 228.42 | 11.68 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 6908.83 | 6947.83 | -1586.57 | -1476.68 | -18.21 | 2588.86 | 230.37 | 11.26 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 6963.95 | 7002.95 | -1586.57 | -1476.68 | -25.58 | 2507.44 | 232.06 | 10.83 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7007.09 | 7046.09 | -1586.57 | -1476.68 | -36.27 | 2420.08 | 233.51 | 10.39 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7037.41 | 7076.41 | -1586.57 | -1476.68 | -52.16 | 2328.59 | 234.70 | 9.94 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7054.32 | 7093.32 | -1586.57 | -1476.68 | -73.55 | 2234.88 | 235.66 | 9.50 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 2166.25 | 236.23 | 9.19 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 2140.90 | 236.42 | 9.07 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 2047.55 | 237.24 | 8.65 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1954.85 | 238.23 | 8.22 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1862.91 | 239.43 | 7.80 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1771.85 | 240.88 | 7.37 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1681.80 | 242.61 | 6.95 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1592.93 | 244.68 | 6.52 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1505.47 | 247.15 | 6.10 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1419.66 | 250.07 | 5.69 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

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

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) Well: TOLLGATE #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 |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1335.82 | 253.53 | 5.28 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1254.36 | 257.57 | 4.88 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1175.76 | 262.29 | 4.49 | PASS |
| 8925.00† | 7097.00 | -796.49 | -710.40 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1100.64 | 267.74 | 4.12 | PASS |
| 9025.00† | 7097.00 | -801.52 | -810.27 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 1029.76 | 273.96 | 3.76 | PASS |
| 9125.00† | 7097.00 | -806.54 | -910.15 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 964.06 | 280.94 | 3.44 | PASS |
| 9225.00† | 7097.00 | -811.57 | -1010.02 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 904.66 | 288.57 | 3.14 | PASS |
| 9325.00† | 7097.00 | -816.59 | -1109.89 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 852.88 | 296.66 | 2.88 | PASS |
| 9425.00† | 7097.00 | -821.62 | -1209.77 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 810.19 | 304.82 | 2.66 | PASS |
| 9525.00† | 7097.00 | -826.64 | -1309.64 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 778.07 | 312.52 | 2.49 | PASS |
| 9625.00† | 7097.00 | -831.66 | -1409.51 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 757.89 | 319.12 | 2.38 | PASS |
| 9725.00† | 7097.00 | -836.69 | -1509.39 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 750.59 | 324.02 | 2.32 | PASS |
| 9731.29† | 7097.00 | -837.00 | -1515.67 | 7057.51 | 7096.51 | -1586.57 | -1476.68 | -89.96 | 750.58 | 324.25 | 2.32 | PASS |
| 9777.79† | 7097.00 | -839.34 | -1562.11 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 752.10 | 325.78 | 2.31 | PASS |
| 9825.00† | 7097.00 | -841.71 | -1609.26 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 756.56 | 326.83 | 2.32 | PASS |
| 9925.00† | 7097.00 | -846.74 | -1709.13 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 775.49 | 327.48 | 2.37 | PASS |
| 10025.00† | 7097.00 | -851.76 | -1809.01 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 806.46 | 326.24 | 2.47 | PASS |
| 10125.00† | 7097.00 | -856.79 | -1908.88 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 848.16 | 323.55 | 2.62 | PASS |
| 10225.00† | 7097.00 | -861.81 | -2008.76 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 899.10 | 319.92 | 2.81 | PASS |
| 10325.00† | 7097.00 | -866.84 | -2108.63 | 7058.00 | 7097.00 | -1586.57 | -1476.68 | -90.00 | 957.80 | 315.77 | 3.04 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

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

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



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

HOLE & CASING SECTIONS - Offset Wellbore: TOLLGATE #1 AWB Offset Wellpath: TOLLGATE #1 AWP

| 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] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 12.25in Open Hole | 0.00 | 304.00 | 304.00 | 14.00 | 318.00 | -967.15 | -900.21 | -967.15 | -900.21 |
| 8.625in Casing Surface | 0.00 | 304.00 | 304.00 | 14.00 | 318.00 | -967.15 | -900.21 | -967.15 | -900.21 |
| 7.875in Open Hole | 304.00 | 7616.00 | 7312.00 | 318.00 | N/A | -967.15 | -900.21 | N/A | N/A |
| 4.5in Casing Production | 0.00 | 7616.00 | 7616.00 | 14.00 | N/A | -967.15 | -900.21 | N/A | N/A |

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

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|------------------|----------------|--|---|-----------------|
| 0.00 | 7503.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7503' FROM CO WEBSITE> | TOLLGATE #1 AWB |

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

| | |
|---|---|
| MD Reference: Rig on SLOT#01 TOLLGATE #1 (660'FSL & 630'FWL SEC.29, 7503'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 140 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 5N-30B-M PWB Offset Wellpath: GOETZEL 5N-30B-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#10 GOETZEL 5N-30B-M (2053'FNL & 2446'FEL, SEC.29) Well: GOETZEL 5N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1042.26 | 820.59 | 38.21 | 1326.53 | 1.42 | 4418.01 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 5N-30B-M PWB Offset Wellpath: GOETZEL 5N-30B-M PWP (REV-C.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: GOETZEL 5N-30B-M PWB Offset Wellpath: GOETZEL 5N-30B-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.84 | 635.37 | 500.22 | 633.28 | 511.29 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.84 | 635.37 | 500.22 | 633.28 | 511.29 |
| 8.5in Open Hole | 1700.00 | 15641.03 | 13941.03 | 1702.84 | 7001.00 | 633.28 | 511.29 | 564.82 | -2109.87 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 5N-30B-M PWB Offset Wellpath: GOETZEL 5N-30B-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 5N-30B-M PWB |
| 1700.00 | 15642.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 5N-30B-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5N-30B-M PWB Offset Wellpath: GOETZEL 5N-30B-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 5C-30-M PWB Offset Wellpath: GOETZEL 5C-30-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#09 GOETZEL 5C-30-M (2033'FNL & 2446'FEL, SEC.29) Well: GOETZEL 5C-30-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1062.30 | 820.59 | 37.69 | 1342.33 | 1.42 | 4470.68 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 5C-30-M PWB Offset Wellpath: GOETZEL 5C-30-M PWP (REV-C.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: GOETZEL 5C-30-M PWB Offset Wellpath: GOETZEL 5C-30-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.99 | 647.59 | 500.22 | 650.95 | 509.14 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1702.99 | 647.59 | 500.22 | 650.95 | 509.14 |
| 8.5in Open Hole | 1700.00 | 15818.42 | 14118.42 | 1702.99 | 7173.00 | 650.95 | 509.14 | 609.01 | -2109.95 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 5C-30-M PWB Offset Wellpath: GOETZEL 5C-30-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|---------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 5C-30-M PWB |
| 1700.00 | 15819.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 5C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 5C-30-M PWB Offset Wellpath: GOETZEL 5C-30-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30C-M PWB Offset Wellpath: GOETZEL 31N-30C-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#08 GOETZEL 31N-30C-M (2013'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30C-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1082.34 | 820.90 | 37.18 | 1358.43 | 1.42 | 4524.34 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30C-M PWB Offset Wellpath: GOETZEL 31N-30C-M PWP (REV-C.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: GOETZEL 31N-30C-M PWB Offset Wellpath: GOETZEL 31N-30C-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1701.50 | 659.80 | 500.41 | 672.30 | 510.47 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1701.50 | 659.80 | 500.41 | 672.30 | 510.47 |
| 8.5in Open Hole | 1700.00 | 15731.87 | 14031.87 | 1701.50 | 7061.00 | 672.30 | 510.47 | 682.30 | -2110.01 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 31N-30C-M PWB Offset Wellpath: GOETZEL 31N-30C-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|-----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 31N-30C-M PWB |
| 1700.00 | 15732.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 31N-30C-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30C-M PWB Offset Wellpath: GOETZEL 31N-30C-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #3-29 AWB Offset Wellpath: GOETZEL #3-29 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 EX:GOETZEL #3-29 (425'FSL & 2065'FEL SEC.29,PR) Well: GOETZEL #3-29 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -6.00 | 25.00 | -1768.38 | 1197.80 | 145.89 | 2135.86 | 25.73 | 86.77 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #3-29 AWB Offset Wellpath: GOETZEL #3-29 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL #3-29 AWB Offset Wellpath: GOETZEL #3-29 AWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|-------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.25in Open Hole | 0.00 | 512.00 | 512.00 | 6.00 | 518.00 | -1077.99 | 730.21 | -1077.99 | 730.21 |
| 9.625in Casing | 0.00 | 512.00 | 512.00 | 6.00 | 518.00 | -1077.99 | 730.21 | -1077.99 | 730.21 |
| 7.875in Open Hole | 512.00 | 7205.00 | 6693.00 | 518.00 | 7211.00 | -1077.99 | 730.21 | -1077.99 | 730.21 |
| 5.5in Casing | 0.00 | 7205.00 | 7205.00 | 6.00 | 7211.00 | -1077.99 | 730.21 | -1077.99 | 730.21 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #3-29 AWB Offset Wellpath: GOETZEL #3-29 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|--|-------------------|
| 0.00 | 7250.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7250'FROM CO WEBSITE, 2° CONE OF UNCERTAINTY> | GOETZEL #3-29 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #3-29 AWB Offset Wellpath: GOETZEL #3-29 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#01 EX:GOETZEL #3-29 (425'FSL & 2065'FEL SEC.29,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

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 31C-30-M PWB Offset Wellpath: GOETZEL 31C-30-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#07 GOETZEL 31C-30-M (1993'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31C-30-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1102.37 | 820.90 | 36.67 | 1374.45 | 1.42 | 4577.74 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31C-30-M PWB Offset Wellpath: GOETZEL 31C-30-M PWP (REV-C.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: GOETZEL 31C-30-M PWB Offset Wellpath: GOETZEL 31C-30-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1700.29 | 672.01 | 500.41 | 689.75 | 511.69 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1700.29 | 672.01 | 500.41 | 689.75 | 511.69 |
| 8.5in Open Hole | 1700.00 | 15848.75 | 14148.75 | 1700.29 | 7169.00 | 689.75 | 511.69 | 755.81 | -2110.16 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 31C-30-M PWB Offset Wellpath: GOETZEL 31C-30-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 31C-30-M PWB |
| 1700.00 | 15849.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 31C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31C-30-M PWB Offset Wellpath: GOETZEL 31C-30-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #30-4-21 AWB Offset Wellpath: FIRESTIEN #30-4-21 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#07 EX FIRESTIEN #30-4-21 (155'FSL & 1098'FEL SEC.30, 7194'MD) Well: FIRESTIEN #30-4-21 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -5.00 | 25.00 | -2174.05 | -3165.21 | -124.48 | 3839.93 | 25.73 | 156.04 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: FIRESTIEN #30-4-21 AWB Offset Wellpath: FIRESTIEN #30-4-21 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: FIRESTIEN #30-4-21 AWB Offset Wellpath: FIRESTIEN #30-4-21 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 460.00 | 460.00 | 5.00 | 465.00 | -1325.18 | -1929.60 | -1325.18 | -1929.60 |
| 8.625in Casing Surface | 0.00 | 460.00 | 460.00 | 5.00 | 465.00 | -1325.18 | -1929.60 | -1325.18 | -1929.60 |
| 7.875in Open Hole | 460.00 | 7167.00 | 6707.00 | 465.00 | 7172.00 | -1325.18 | -1929.60 | -1325.18 | -1929.60 |
| 4.5in Casing Production | 0.00 | 7167.00 | 7167.00 | 5.00 | 7172.00 | -1325.18 | -1929.60 | -1325.18 | -1929.60 |

WELLPATH COMPOSITION - Offset Wellbore: FIRESTIEN #30-4-21 AWB Offset Wellpath: FIRESTIEN #30-4-21 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|------------------------|
| 0.00 | 7194.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <7194' FROM CO WEBSITE> | FIRESTIEN #30-4-21 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: FIRESTIEN #30-4-21 AWB Offset Wellpath: FIRESTIEN #30-4-21 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#07 EX FIRESTIEN #30-4-21 (155'FSL & 1098'FEL SEC.30, 7194'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 31N-30B-M PWB Offset Wellpath: GOETZEL 31N-30B-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#06 GOETZEL 31N-30B-M (1913'FNL & 2446'FEL, SEC.29) Well: GOETZEL 31N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1182.52 | 821.44 | 34.79 | 1439.83 | 1.42 | 4795.69 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 31N-30B-M PWB Offset Wellpath: GOETZEL 31N-30B-M PWP (REV-C.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: GOETZEL 31N-30B-M PWB Offset Wellpath: GOETZEL 31N-30B-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1698.17 | 720.87 | 500.74 | 745.66 | 513.59 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1698.17 | 720.87 | 500.74 | 745.66 | 513.59 |
| 8.5in Open Hole | 1700.00 | 15699.53 | 13999.53 | 1698.17 | 7001.00 | 745.66 | 513.59 | 847.76 | -2110.14 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 31N-30B-M PWB Offset Wellpath: GOETZEL 31N-30B-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|-----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 31N-30B-M PWB |
| 1700.00 | 15700.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 31N-30B-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 31N-30B-M PWB Offset Wellpath: GOETZEL 31N-30B-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 4C-30-M PWB Offset Wellpath: GOETZEL 4C-30-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#05 GOETZEL 4C-30-M (1893'FNL & 2446'FEL, SEC.29) Well: GOETZEL 4C-30-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1202.26 | 821.44 | 34.34 | 1456.08 | 1.42 | 4849.86 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4C-30-M PWB Offset Wellpath: GOETZEL 4C-30-M PWP (REV-C.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: GOETZEL 4C-30-M PWB Offset Wellpath: GOETZEL 4C-30-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1695.33 | 732.90 | 500.74 | 766.07 | 514.34 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1695.33 | 732.90 | 500.74 | 766.07 | 514.34 |
| 8.5in Open Hole | 1700.00 | 15885.90 | 14185.90 | 1695.33 | 7161.00 | 766.07 | 514.34 | 920.29 | -2110.29 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 4C-30-M PWB Offset Wellpath: GOETZEL 4C-30-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|---------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 4C-30-M PWB |
| 1700.00 | 15886.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 4C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4C-30-M PWB Offset Wellpath: GOETZEL 4C-30-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 4N-30A-M PWB Offset Wellpath: GOETZEL 4N-30A-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#04 GOETZEL 4N-30A-M (1873'FNL & 2446'FEL, SEC.29) Well: GOETZEL 4N-30A-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1222.29 | 821.75 | 33.91 | 1472.84 | 1.42 | 4905.73 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4N-30A-M PWB Offset Wellpath: GOETZEL 4N-30A-M PWP (REV-C.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: GOETZEL 4N-30A-M PWB Offset Wellpath: GOETZEL 4N-30A-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1690.35 | 745.12 | 500.92 | 789.37 | 516.12 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1690.35 | 745.12 | 500.92 | 789.37 | 516.12 |
| 8.5in Open Hole | 1700.00 | 15614.38 | 13914.38 | 1690.35 | 6850.00 | 789.37 | 516.12 | 993.24 | -2110.35 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 4N-30A-M PWB Offset Wellpath: GOETZEL 4N-30A-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 4N-30A-M PWB |
| 1700.00 | 15615.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 4N-30A-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4N-30A-M PWB Offset Wellpath: GOETZEL 4N-30A-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 4N-30C-M PWB Offset Wellpath: GOETZEL 4N-30C-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#03 GOETZEL 4N-30C-M (1853'FNL & 2445'FEL, SEC.29) Well: GOETZEL 4N-30C-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1242.33 | 821.75 | 33.48 | 1489.51 | 1.43 | 4961.30 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 4N-30C-M PWB Offset Wellpath: GOETZEL 4N-30C-M PWP (REV-C.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: GOETZEL 4N-30C-M PWB Offset Wellpath: GOETZEL 4N-30C-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1685.83 | 757.33 | 500.92 | 811.47 | 516.72 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1685.83 | 757.33 | 500.92 | 811.47 | 516.72 |
| 8.5in Open Hole | 1700.00 | 15833.41 | 14133.41 | 1685.83 | 7034.00 | 811.47 | 516.72 | 1074.75 | -2110.50 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 4N-30C-M PWB Offset Wellpath: GOETZEL 4N-30C-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom NaviTrak (Standard) (Rockies 0.03Gt model) | | GOETZEL 4N-30C-M PWB |
| 1700.00 | 15834.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 4N-30C-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 4N-30C-M PWB Offset Wellpath: GOETZEL 4N-30C-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) Well: GOETZEL #1-29 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -5.00 | 25.00 | 1106.84 | 1268.34 | 48.89 | 1683.39 | 25.73 | 68.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 432.00 | 432.00 | 5.00 | 437.00 | 674.75 | 773.17 | 674.75 | 773.17 |
| 8.625in Casing Surface | 0.00 | 432.00 | 432.00 | 5.00 | 437.00 | 674.75 | 773.17 | 674.75 | 773.17 |
| 7.875in Open Hole | 432.00 | 7185.00 | 6753.00 | 437.00 | 7190.00 | 674.75 | 773.17 | 674.75 | 773.17 |
| 4.5in Casing Production | 0.00 | 7185.00 | 7185.00 | 5.00 | 7190.00 | 674.75 | 773.17 | 674.75 | 773.17 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|--|-------------------|
| 0.00 | 7208.00 | Custom Drift Indicator (2.0 Maximum Inclination) | ASSUMED VERTICAL TO SURFACE-2DEG CONE <7208> | GOETZEL #1-29 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL #1-29 AWB Offset Wellpath: GOETZEL #1-29 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#04 EX GOETZEL #1-29 (1980'FNL & 1980'FEL, SEC.29, PR, 7208) (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

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 30C-30-M PWB Offset Wellpath: GOETZEL 30C-30-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#02 GOETZEL 30C-30-M (1833'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30C-30-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1262.37 | 821.98 | 33.07 | 1506.39 | 1.43 | 5017.56 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 30C-30-M PWB Offset Wellpath: GOETZEL 30C-30-M PWP (REV-C.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: GOETZEL 30C-30-M PWB Offset Wellpath: GOETZEL 30C-30-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1680.20 | 769.55 | 501.06 | 834.59 | 517.62 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1680.20 | 769.55 | 501.06 | 834.59 | 517.62 |
| 8.75in Open Hole | 1700.00 | 15620.60 | 13920.60 | 1680.20 | 7139.00 | 834.59 | 517.62 | 1145.23 | -2000.83 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 30C-30-M PWB Offset Wellpath: GOETZEL 30C-30-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|----------------------|
| 4.00 | 1700.00 | Custom NaviTrak (Standard) (Rockies 0.03Gt model) | | GOETZEL 30C-30-M PWB |
| 1700.00 | 15621.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 30C-30-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30C-30-M PWB Offset Wellpath: GOETZEL 30C-30-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 30N-30B-M PWB Offset Wellpath: GOETZEL 30N-30B-M PWP (REV-C.0)

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1282.41 | 821.98 | 32.66 | 1523.22 | 1.42 | 5073.66 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 30N-30B-M PWB Offset Wellpath: GOETZEL 30N-30B-M PWP (REV-C.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: GOETZEL 30N-30B-M PWB Offset Wellpath: GOETZEL 30N-30B-M PWP (REV-C.0)

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1700.00 | 1696.00 | 8.00 | 1671.85 | 781.76 | 501.06 | 860.32 | 518.86 |
| 9.625in Casing Surface | 4.00 | 1700.00 | 1696.00 | 8.00 | 1671.85 | 781.76 | 501.06 | 860.32 | 518.86 |
| 8.5in Open Hole | 1700.00 | 15507.19 | 13807.19 | 1671.85 | 6970.00 | 860.32 | 518.86 | 1222.18 | -2000.98 |

SURVEY PROGRAM - Offset Wellbore: GOETZEL 30N-30B-M PWB Offset Wellpath: GOETZEL 30N-30B-M PWP (REV-C.0)

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|------------------|-----------------------|
| 4.00 | 1700.00 | Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model) | | GOETZEL 30N-30B-M PWB |
| 1700.00 | 15508.00 | Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model) | | GOETZEL 30N-30B-M PWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30N-30B-M PWB Offset Wellpath: GOETZEL 30N-30B-M PWP (REV-C.0)

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
Page 153 of 161



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL I #29-14 (515'FSL & 2490'FWL SEC.29, 7260'MD) Well: GOETZEL I #29-14 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 4.50 | 25.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 25.73 | 70.99 | PASS |
| 125.00† | 125.00 | 0.00 | 0.00 | 104.50 | 125.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 29.54 | 61.04 | PASS |
| 225.00† | 225.00 | 0.00 | 0.00 | 204.50 | 225.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 33.39 | 53.80 | PASS |
| 325.00† | 325.00 | 0.00 | 0.00 | 304.50 | 325.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 37.24 | 48.09 | PASS |
| 425.00† | 425.00 | 0.00 | 0.00 | 404.50 | 425.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 41.10 | 43.48 | PASS |
| 525.00† | 525.00 | 0.00 | 0.00 | 504.50 | 525.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 44.96 | 39.67 | PASS |
| 625.00† | 625.00 | 0.00 | 0.00 | 604.50 | 625.00 | -1694.06 | 429.44 | 165.78 | 1747.65 | 48.82 | 36.47 | PASS |
| 725.00† | 725.00 | 0.00 | 0.00 | 684.24 | 704.73 | -1694.32 | 429.41 | 165.78 | 1748.01 | 50.13 | 35.38 | PASS |
| 825.00† | 825.00 | 0.00 | 0.00 | 774.03 | 794.51 | -1696.01 | 429.42 | 165.79 | 1749.80 | 50.20 | 35.37 | PASS |
| 925.00† | 925.00 | 0.00 | 0.00 | 921.31 | 941.78 | -1696.25 | 430.32 | 165.77 | 1750.07 | 50.32 | 35.29 | PASS |
| 1025.00† | 1025.00 | 0.00 | 0.00 | 1024.93 | 1045.39 | -1694.99 | 431.05 | 165.73 | 1749.06 | 50.44 | 35.19 | PASS |
| 1125.00† | 1125.00 | 0.00 | 0.00 | 1123.45 | 1143.90 | -1693.68 | 431.33 | 165.71 | 1747.84 | 50.56 | 35.07 | PASS |
| 1150.00 | 1150.00 | 0.00 | 0.00 | 1146.89 | 1167.34 | -1693.49 | 431.08 | 165.72 | 1747.58 | 50.59 | 35.05 | PASS |
| 1225.00† | 1224.99 | -0.43 | 0.88 | 1209.77 | 1230.21 | -1693.15 | 430.76 | 50.05 | 1746.47 | 50.69 | 34.95 | PASS |
| 1325.00† | 1324.89 | -2.32 | 4.81 | 1312.23 | 1332.67 | -1692.66 | 431.80 | 50.18 | 1743.45 | 50.86 | 34.77 | PASS |
| 1425.00† | 1424.58 | -5.72 | 11.88 | 1417.89 | 1438.32 | -1691.59 | 432.93 | 50.43 | 1737.71 | 51.07 | 34.52 | PASS |
| 1525.00† | 1523.93 | -10.63 | 22.08 | 1501.47 | 1521.90 | -1691.33 | 432.96 | 50.78 | 1730.20 | 51.26 | 34.24 | PASS |
| 1625.00† | 1622.83 | -17.05 | 35.40 | 1598.20 | 1618.62 | -1691.67 | 432.37 | 51.32 | 1721.04 | 51.48 | 33.91 | PASS |
| 1725.00† | 1721.15 | -24.95 | 51.82 | 1694.27 | 1714.69 | -1692.09 | 431.69 | 51.98 | 1709.88 | 51.47 | 33.56 | PASS |
| 1825.00† | 1818.77 | -34.34 | 71.32 | 1788.13 | 1808.55 | -1692.75 | 431.03 | 52.76 | 1697.00 | 51.65 | 33.19 | PASS |
| 1925.00† | 1915.58 | -45.20 | 93.87 | 1892.17 | 1912.58 | -1693.41 | 430.36 | 53.74 | 1682.21 | 51.87 | 32.76 | PASS |
| 1948.86 | 1938.55 | -48.01 | 99.71 | 1918.40 | 1938.81 | -1693.49 | 430.08 | 54.02 | 1678.32 | 51.93 | 32.65 | PASS |
| 2025.00† | 2011.75 | -57.10 | 118.59 | 2044.67 | 2065.02 | -1691.86 | 427.18 | 55.09 | 1664.48 | 52.17 | 32.23 | PASS |
| 2125.00† | 2107.88 | -69.05 | 143.39 | 2160.89 | 2180.95 | -1688.45 | 419.67 | 56.26 | 1644.43 | 52.44 | 31.67 | PASS |
| 2225.00† | 2204.02 | -80.99 | 168.19 | 2248.69 | 2268.31 | -1686.00 | 411.33 | 57.25 | 1624.60 | 52.72 | 31.13 | PASS |
| 2325.00† | 2300.16 | -92.93 | 192.99 | 2365.92 | 2384.62 | -1682.66 | 397.06 | 58.71 | 1605.00 | 53.05 | 30.55 | PASS |
| 2425.00† | 2396.29 | -104.87 | 217.79 | 2469.84 | 2487.28 | -1678.71 | 381.41 | 60.15 | 1584.94 | 53.42 | 29.97 | PASS |
| 2525.00† | 2492.43 | -116.81 | 242.59 | 2567.71 | 2583.55 | -1674.68 | 364.34 | 61.61 | 1565.27 | 53.81 | 29.37 | PASS |
| 2625.00† | 2588.57 | -128.76 | 267.39 | 2657.92 | 2672.10 | -1670.69 | 347.56 | 63.02 | 1546.28 | 54.24 | 28.79 | PASS |
| 2725.00† | 2684.71 | -140.70 | 292.19 | 2740.02 | 2752.71 | -1667.27 | 332.37 | 64.33 | 1528.62 | 54.69 | 28.22 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL I #29-14 (515'FSL & 2490'FWL SEC.29, 7260'MD) Well: GOETZEL I #29-14 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 |
| 2825.00† | 2780.84 | -152.64 | 316.99 | 2837.96 | 2848.95 | -1663.41 | 314.61 | 65.90 | 1512.31 | 55.20 | 27.66 | PASS |
| 2925.00† | 2876.98 | -164.58 | 341.79 | 2930.41 | 2939.77 | -1659.08 | 297.88 | 67.41 | 1496.46 | 55.74 | 27.10 | PASS |
| 3025.00† | 2973.12 | -176.53 | 366.59 | 3026.19 | 3033.96 | -1654.48 | 281.17 | 68.99 | 1481.67 | 56.31 | 26.56 | PASS |
| 3125.00† | 3069.25 | -188.47 | 391.39 | 3106.72 | 3113.20 | -1650.64 | 267.29 | 70.33 | 1468.08 | 56.89 | 26.04 | PASS |
| 3225.00† | 3165.39 | -200.41 | 416.19 | 3191.58 | 3196.73 | -1647.07 | 252.77 | 71.75 | 1456.20 | 57.51 | 25.55 | PASS |
| 3325.00† | 3261.53 | -212.35 | 440.99 | 3289.60 | 3293.28 | -1642.90 | 236.36 | 73.40 | 1445.46 | 58.18 | 25.07 | PASS |
| 3425.00† | 3357.67 | -224.29 | 465.79 | 3385.94 | 3388.12 | -1638.26 | 220.09 | 75.05 | 1435.48 | 58.89 | 24.59 | PASS |
| 3525.00† | 3453.80 | -236.24 | 490.59 | 3482.09 | 3482.72 | -1633.08 | 203.69 | 76.73 | 1426.30 | 59.63 | 24.13 | PASS |
| 3625.00† | 3549.94 | -248.18 | 515.39 | 3565.05 | 3564.46 | -1628.72 | 190.17 | 78.17 | 1418.41 | 60.34 | 23.71 | PASS |
| 3725.00† | 3646.08 | -260.12 | 540.19 | 3635.34 | 3633.62 | -1625.64 | 178.01 | 79.42 | 1412.79 | 61.03 | 23.35 | PASS |
| 3825.00† | 3742.21 | -272.06 | 564.99 | 3721.88 | 3718.58 | -1622.22 | 161.90 | 80.99 | 1409.24 | 61.80 | 23.00 | PASS |
| 3925.00† | 3838.35 | -284.00 | 589.79 | 3807.25 | 3802.32 | -1618.95 | 145.65 | 82.57 | 1407.35 | 62.59 | 22.67 | PASS |
| 4025.00† | 3934.49 | -295.95 | 614.59 | 3893.72 | 3887.19 | -1615.92 | 129.38 | 84.16 | 1407.12 | 63.39 | 22.38 | PASS |
| 4125.00† | 4030.63 | -307.89 | 639.39 | 3976.86 | 3968.96 | -1613.60 | 114.53 | 85.64 | 1408.61 | 64.18 | 22.13 | PASS |
| 4225.00† | 4126.76 | -319.83 | 664.19 | 4050.76 | 4041.79 | -1612.50 | 102.04 | 86.93 | 1412.17 | 64.91 | 21.93 | PASS |
| 4325.00† | 4222.90 | -331.77 | 688.99 | 4168.37 | 4157.61 | -1610.31 | 81.76 | 88.98 | 1416.91 | 65.92 | 21.66 | PASS |
| 4425.00† | 4319.04 | -343.71 | 713.79 | 4281.94 | 4269.19 | -1604.83 | 61.34 | 91.03 | 1420.77 | 66.93 | 21.39 | PASS |
| 4525.00† | 4415.17 | -355.66 | 738.59 | 4372.85 | 4358.55 | -1600.02 | 45.37 | 92.65 | 1425.56 | 67.81 | 21.18 | PASS |
| 4625.00† | 4511.31 | -367.60 | 763.39 | 4459.96 | 4444.17 | -1595.39 | 29.96 | 94.20 | 1431.74 | 68.67 | 21.01 | PASS |
| 4725.00† | 4607.45 | -379.54 | 788.19 | 4549.24 | 4531.95 | -1590.89 | 14.31 | 95.77 | 1439.43 | 69.55 | 20.85 | PASS |
| 4825.00† | 4703.58 | -391.48 | 812.99 | 4648.35 | 4629.46 | -1585.82 | -2.68 | 97.49 | 1448.19 | 70.49 | 20.70 | PASS |
| 4925.00† | 4799.72 | -403.43 | 837.79 | 4735.56 | 4715.23 | -1580.89 | -17.70 | 98.99 | 1457.88 | 71.35 | 20.58 | PASS |
| 5025.00† | 4895.86 | -415.37 | 862.59 | 4830.67 | 4808.59 | -1574.97 | -34.82 | 100.65 | 1468.89 | 72.27 | 20.47 | PASS |
| 5125.00† | 4992.00 | -427.31 | 887.39 | 4922.41 | 4898.96 | -1570.11 | -49.84 | 102.16 | 1480.90 | 73.16 | 20.39 | PASS |
| 5225.00† | 5088.13 | -439.25 | 912.19 | 5024.84 | 5000.35 | -1566.34 | -63.91 | 103.72 | 1493.59 | 74.10 | 20.30 | PASS |
| 5325.00† | 5184.27 | -451.19 | 936.99 | 5128.02 | 5102.88 | -1564.10 | -75.19 | 105.14 | 1506.55 | 75.03 | 20.22 | PASS |
| 5425.00† | 5280.41 | -463.14 | 961.79 | 5259.51 | 5234.00 | -1563.35 | -84.69 | 106.74 | 1519.12 | 76.10 | 20.10 | PASS |
| 5525.00† | 5376.54 | -475.08 | 986.59 | 5361.23 | 5335.65 | -1563.72 | -88.46 | 107.84 | 1530.54 | 76.97 | 20.02 | PASS |
| 5625.00† | 5472.68 | -487.02 | 1011.39 | 5458.34 | 5432.70 | -1564.16 | -91.60 | 108.87 | 1542.21 | 77.83 | 19.95 | PASS |
| 5725.00† | 5568.82 | -498.96 | 1036.19 | 5556.39 | 5530.71 | -1565.29 | -94.02 | 109.85 | 1554.31 | 78.68 | 19.88 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL I #29-14 (515'FSL & 2490'FWL SEC.29, 7260'MD) Well: GOETZEL I #29-14 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 |
| 5825.00† | 5664.96 | -510.90 | 1060.99 | 5673.81 | 5648.11 | -1567.70 | -94.88 | 110.92 | 1566.25 | 79.62 | 19.80 | PASS |
| 5925.00† | 5761.09 | -522.85 | 1085.79 | 5769.82 | 5744.11 | -1568.57 | -95.34 | 111.81 | 1577.63 | 80.46 | 19.73 | PASS |
| 6025.00† | 5857.23 | -534.79 | 1110.59 | 5865.11 | 5839.40 | -1569.87 | -95.60 | 112.67 | 1589.53 | 81.31 | 19.67 | PASS |
| 6125.00† | 5953.37 | -546.73 | 1135.39 | 5959.29 | 5933.56 | -1571.74 | -95.48 | 113.48 | 1601.90 | 82.14 | 19.62 | PASS |
| 6225.00† | 6049.50 | -558.67 | 1160.19 | 6053.70 | 6027.93 | -1574.21 | -95.01 | 114.26 | 1614.72 | 82.98 | 19.58 | PASS |
| 6325.00† | 6145.64 | -570.61 | 1184.99 | 6152.10 | 6126.26 | -1577.77 | -93.91 | 115.02 | 1627.98 | 83.85 | 19.54 | PASS |
| 6398.12 | 6215.94 | -579.35 | 1203.12 | 6233.65 | 6207.67 | -1581.84 | -91.61 | 115.57 | 1637.50 | 84.52 | 19.49 | PASS |
| 6425.00† | 6241.89 | -582.60 | 1209.30 | 6263.93 | 6237.92 | -1583.01 | -90.85 | 111.72 | 1640.50 | 84.77 | 19.47 | PASS |
| 6525.00† | 6339.96 | -595.33 | 1223.58 | 6380.64 | 6354.57 | -1585.71 | -88.29 | 82.28 | 1643.80 | 85.64 | 19.31 | PASS |
| 6625.00† | 6438.96 | -608.90 | 1223.98 | 6482.03 | 6455.93 | -1587.15 | -86.13 | 28.26 | 1635.13 | 86.46 | 19.03 | PASS |
| 6725.00† | 6536.95 | -623.02 | 1210.48 | 6592.91 | 6566.78 | -1587.31 | -83.86 | -1.66 | 1614.33 | 87.29 | 18.60 | PASS |
| 6825.00† | 6632.03 | -637.43 | 1183.35 | 6691.75 | 6665.60 | -1586.82 | -81.78 | -14.83 | 1582.10 | 88.17 | 18.05 | PASS |
| 6925.00† | 6722.35 | -651.84 | 1143.13 | 6784.22 | 6758.04 | -1586.28 | -79.60 | -23.22 | 1539.32 | 89.09 | 17.38 | PASS |
| 7025.00† | 6806.15 | -665.98 | 1090.58 | 6869.30 | 6843.10 | -1585.49 | -77.63 | -30.54 | 1487.14 | 90.08 | 16.60 | PASS |
| 7125.00† | 6881.80 | -679.58 | 1026.73 | 6944.72 | 6918.49 | -1584.65 | -75.86 | -38.25 | 1426.96 | 91.18 | 15.74 | PASS |
| 7225.00† | 6947.83 | -692.35 | 952.84 | 7009.48 | 6983.23 | -1583.73 | -74.44 | -47.02 | 1360.55 | 92.42 | 14.80 | PASS |
| 7325.00† | 7002.95 | -704.07 | 870.33 | 7062.56 | 7036.30 | -1582.88 | -73.34 | -57.01 | 1289.94 | 93.90 | 13.81 | PASS |
| 7425.00† | 7046.09 | -714.49 | 780.81 | 7099.02 | 7072.74 | -1582.34 | -72.65 | -67.45 | 1217.48 | 95.65 | 12.80 | PASS |
| 7525.00† | 7076.41 | -723.42 | 686.02 | 7124.44 | 7098.15 | -1582.03 | -72.22 | -77.55 | 1145.70 | 97.75 | 11.78 | PASS |
| 7625.00† | 7093.32 | -730.68 | 587.81 | 7138.12 | 7111.83 | -1581.89 | -72.01 | -86.21 | 1077.15 | 100.21 | 10.80 | PASS |
| 7697.95 | 7097.00 | -734.84 | 515.10 | 7140.40 | 7114.11 | -1581.86 | -71.97 | -91.20 | 1030.73 | 102.23 | 10.13 | PASS |
| 7725.00† | 7097.00 | -736.20 | 488.09 | 7140.02 | 7113.74 | -1581.87 | -71.98 | -91.17 | 1014.45 | 103.03 | 9.89 | PASS |
| 7825.00† | 7097.00 | -741.22 | 388.21 | 7138.62 | 7112.33 | -1581.88 | -72.00 | -91.08 | 958.51 | 106.29 | 9.06 | PASS |
| 7925.00† | 7097.00 | -746.25 | 288.34 | 7137.19 | 7110.91 | -1581.90 | -72.02 | -90.98 | 910.14 | 109.99 | 8.31 | PASS |
| 8025.00† | 7097.00 | -751.27 | 188.47 | 7135.75 | 7109.46 | -1581.91 | -72.04 | -90.87 | 870.62 | 113.99 | 7.67 | PASS |
| 8125.00† | 7097.00 | -756.30 | 88.59 | 7134.29 | 7108.00 | -1581.93 | -72.06 | -90.77 | 841.19 | 118.06 | 7.15 | PASS |
| 8225.00† | 7097.00 | -761.32 | -11.28 | 7132.80 | 7106.52 | -1581.94 | -72.09 | -90.67 | 822.93 | 121.92 | 6.78 | PASS |
| 8325.00† | 7097.00 | -766.35 | -111.16 | 7131.30 | 7105.02 | -1581.96 | -72.11 | -90.56 | 816.59 | 125.26 | 6.54 | PASS |
| 8326.60† | 7097.00 | -766.43 | -112.76 | 7130.49 | 7104.20 | -1581.97 | -72.12 | -90.51 | 816.58 | 125.31 | 6.54 | PASS |
| 8425.00† | 7097.00 | -771.37 | -211.03 | 7129.78 | 7103.50 | -1581.97 | -72.13 | -90.46 | 822.44 | 127.85 | 6.46 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#11 GOETZEL I #29-14 (515'FSL & 2490'FWL SEC.29, 7260'MD) Well: GOETZEL I #29-14 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 |
| 8437.47† | 7097.00 | -772.00 | -223.49 | 7129.59 | 7103.31 | -1581.98 | -72.14 | -90.44 | 824.02 | 128.12 | 6.45 | PASS |
| 8525.00† | 7097.00 | -776.39 | -310.90 | 7128.24 | 7101.96 | -1581.99 | -72.16 | -90.35 | 840.24 | 129.56 | 6.51 | PASS |
| 8625.00† | 7097.00 | -781.42 | -410.78 | 7126.68 | 7100.40 | -1582.01 | -72.18 | -90.24 | 869.25 | 130.42 | 6.69 | PASS |
| 8725.00† | 7097.00 | -786.44 | -510.65 | 7125.10 | 7098.81 | -1582.02 | -72.21 | -90.13 | 908.40 | 130.54 | 6.98 | PASS |
| 8825.00† | 7097.00 | -791.47 | -610.52 | 7123.49 | 7097.21 | -1582.04 | -72.23 | -90.02 | 956.43 | 130.08 | 7.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 10.50 | 654.50 | 644.00 | 16.50 | 660.50 | -1032.70 | 261.79 | -1032.71 | 261.79 |
| 8.625in Casing Surface | 10.50 | 654.50 | 644.00 | 16.50 | 660.50 | -1032.70 | 261.79 | -1032.71 | 261.79 |
| 7.875in Open Hole | 654.50 | 7239.50 | 6585.00 | 660.50 | 7198.70 | -1032.71 | 261.79 | -998.25 | 109.39 |
| 4.5in Casing Production | 10.50 | 7239.50 | 7229.00 | 16.50 | 7198.70 | -1032.70 | 261.79 | -998.25 | 109.39 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|-------------------------------|---|----------------------|
| 0.00 | 7217.00 | ISCWSA MWD, Rev. 4 (Standard) | ENSIGN MWD SURVEYS FROM CO WEBSITE <642-7217> | GOETZEL I #29-14 AWB |
| 7217.00 | 7260.00 | Blind Drilling (std) | Projection to bit | GOETZEL I #29-14 AWB |



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GOETZEL 33C-30-M REV-A.0 PWP
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| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

| OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL I #29-14 AWB Offset Wellpath: GOETZEL I #29-14 AWP | |
|--|---|
| MD Reference: 10.5' RIG FROM SURVEYS (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 10.50ft |



Clearance Report

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: HARRINGTON #1-30 AWB Offset Wellpath: HARRINGTON #1-30 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX HARRINGTON #1-30 (2310'FNL & 2805'FWL, SEC.30, SI, 4398) Well: HARRINGTON #1-30 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -25.00 | 334.00 | 525.85 | -5093.33 | -84.11 | 5129.72 | 25.69 | 208.79 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: HARRINGTON #1-30 AWB Offset Wellpath: HARRINGTON #1-30 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: HARRINGTON #1-30 AWB Offset Wellpath: HARRINGTON #1-30 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 210.00 | 210.00 | 334.00 | 544.00 | 320.88 | -3104.86 | 320.88 | -3104.86 |
| 8.625in Casing Surface | 0.00 | 210.00 | 210.00 | 334.00 | 544.00 | 320.88 | -3104.86 | 320.88 | -3104.86 |
| 7.875in Open Hole | 210.00 | 4397.00 | 4187.00 | 544.00 | 4731.00 | 320.88 | -3104.86 | 320.88 | -3104.86 |
| 4.5in Casing Production | 0.00 | 4397.00 | 4397.00 | 334.00 | 4731.00 | 320.88 | -3104.86 | 320.88 | -3104.86 |

WELLPATH COMPOSITION - Offset Wellbore: HARRINGTON #1-30 AWB Offset Wellpath: HARRINGTON #1-30 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|----------------------|
| 0.00 | 4398.00 | Custom Drift Indicator (2.0 Maximum Inclination) | ASSUMED VERTICAL TO SURFACE-2 DEG CONE <4398> | HARRINGTON #1-30 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: HARRINGTON #1-30 AWB Offset Wellpath: HARRINGTON #1-30 AWP

| | |
|--|---|
| MD Reference: Rig on SLOT#01 HARRINGTON #1-30 (2310'FNL & 2805'FWL, SEC.30, SI, 4398) (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

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: FIRESTIEN #1-30 AWB Offset Wellpath: FIRESTIEN #1-30 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#01 EX FIRESTIEN #1-30 (610'FSL & 1820'FEL SEC.30, 4500'MD) Well: FIRESTIEN #1-30 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | -1761.17 | -3923.26 | -114.18 | 4300.43 | 50.13 | 87.38 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: FIRESTIEN #1-30 AWB Offset Wellpath: FIRESTIEN #1-30 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: FIRESTIEN #1-30 AWB Offset Wellpath: FIRESTIEN #1-30 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 204.00 | 204.00 | 0.00 | 204.00 | -1073.42 | -2391.70 | -1073.42 | -2391.70 |
| 8.625in Casing Surface | 0.00 | 204.00 | 204.00 | 0.00 | 204.00 | -1073.42 | -2391.70 | -1073.42 | -2391.70 |
| 4.5in Casing Production | 0.00 | 4399.00 | 4399.00 | 0.00 | 4399.00 | -1073.42 | -2391.70 | -1073.42 | -2391.70 |

WELLPATH COMPOSITION - Offset Wellbore: FIRESTIEN #1-30 AWB Offset Wellpath: FIRESTIEN #1-30 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|---------------------|
| 0.00 | 4500.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <4500' FROM CO WEBSITE> | FIRESTIEN #1-30 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: FIRESTIEN #1-30 AWB Offset Wellpath: FIRESTIEN #1-30 AWP

| | |
|---|---|
| MD Reference: Rig on SLOT#01 EX FIRESTIEN #1-30 (610'FSL & 1820'FEL SEC.30, 4500'MD) (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

GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: BOB TIGGES #1-30 AWB Offset Wellpath: BOB TIGGES #1-30 AWP

| Facility: SEC.30-T06N-R66W Slot: SLOT#03 EX BOB TIGGES #1-30 (800'FSL & 2745'FWL SEC.30, 4350'MD) Well: BOB TIGGES #1-30 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | -6.00 | 25.00 | -1649.11 | -5107.70 | -107.89 | 5367.32 | 25.73 | 218.12 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BOB TIGGES #1-30 AWB Offset Wellpath: BOB TIGGES #1-30 AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: BOB TIGGES #1-30 AWB Offset Wellpath: BOB TIGGES #1-30 AWP

| 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] |
|-------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 12.25in Open Hole | 0.00 | 221.00 | 221.00 | 6.00 | 227.00 | -1004.98 | -3113.75 | -1004.98 | -3113.75 |
| 8.625in Casing Surface | 0.00 | 221.00 | 221.00 | 6.00 | 227.00 | -1004.98 | -3113.75 | -1004.98 | -3113.75 |
| 7.875in Open Hole | 221.00 | 4345.00 | 4124.00 | 227.00 | 4351.00 | -1004.98 | -3113.75 | -1004.98 | -3113.75 |
| 4.5in Casing Production | 0.00 | 4345.00 | 4345.00 | 6.00 | 4351.00 | -1004.98 | -3113.75 | -1004.98 | -3113.75 |

WELLPATH COMPOSITION - Offset Wellbore: BOB TIGGES #1-30 AWB Offset Wellpath: BOB TIGGES #1-30 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|--|---|----------------------|
| 0.00 | 4350.00 | Drift Indicator - Inclination Only (Actual Survey) | DRIFT INDICATOR TO TD <4350' FROM CO WEBSITE> | BOB TIGGES #1-30 AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: BOB TIGGES #1-30 AWB Offset Wellpath: BOB TIGGES #1-30 AWP

| | |
|--|--|
| MD Reference: Rig on SLOT#03 EX BOB TIGGES #1-30 (800'FSL & 2745'FWL SEC.30, 4350'MD) (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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GOETZEL 33C-30-M REV-A.0 PWP
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REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--------------------------------|----------|--|
| Operator | SYNERGY RESOURCES CORPORATION | Slot | SLOT#18 GOETZEL 33C-30-M (2217'FSL & 2053'FWL, SEC.29) |
| Area | COLORADO | Well | GOETZEL 33C-30-M |
| Field | WELD COUNTY (NAD83,TRUE NORTH) | Wellbore | GOETZEL 33C-30-M PWB |
| Facility | SEC.29-T06N-R66W | | |

CLEARANCE DATA - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP

| Facility: SEC.29-T06N-R66W Slot: SLOT#01 GOETZEL 30N-30B-M (1813'FNL & 2445'FEL, SEC.29) Well: GOETZEL 30N-30B-M 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 |
| 25.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 1282.41 | 821.98 | 32.66 | 1523.22 | 1.42 | 5073.66 | PASS |

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP

| | | | | |
|-----------------------------------|------------|---------|----------|---------|
| 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: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 13.5in Open Hole | 4.00 | 1230.00 | 1226.00 | 8.00 | 1225.00 | 781.76 | 501.06 | 814.06 | 509.87 |

WELLPATH COMPOSITION - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore |
|---------------|-------------|---|---|-----------------------|
| 4.00 | 1170.00 | Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model) | BHI NAVITRAK 13.5" MWD (STD ROTATING, AXIAL, ROCKIES GT)<55-1170... | GOETZEL 30N-30B-M AWB |
| 1170.00 | 1230.00 | Blind Drilling (std) | Projection to bit | GOETZEL 30N-30B-M AWB |

OFFSET WELLPATH REFERENCE - Offset Wellbore: GOETZEL 30N-30B-M AWB Offset Wellpath: GOETZEL 30N-30B-M AWP

| | |
|--------------------------------------|---|
| MD Reference: PROPETRO 12 (4') (RKB) | Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report) |
| Ellipse Start MD | 4.00ft |