

VERDAD RESOURCES

WATTENBERG FIELD

9N-59W-17 TIMBRO 1717 PAD

TIMBRO 1717-10H

Plan B

Design #1

Anticollision Summary Report

02 September, 2021

Anticollision Summary Report

| | | | |
|---------------------------|---------------------------|-------------------------------------|-------------------------------|
| Company: | VERDAD RESOURCES | Local Co-ordinate Reference: | Well TIMBRO 1717-10H |
| Project: | WATTENBERG FIELD | TVD Reference: | RKB = 20' @ 5030.00usft (RIG) |
| Reference Site: | 9N-59W-17 TIMBRO 1717 PAD | MD Reference: | RKB = 20' @ 5030.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | TIMBRO 1717-10H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 3.28 usft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Plan B | Database: | EDM 5000.16 Single User Db |
| Reference Design: | Design #1 | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|-----------------------|
| Reference | Design #1 | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | Stations | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum centre distance of 1,500.00usft | Error Surface: | Pedal Curve |
| Warning Levels Evaluated at: | 2.45 Sigma | Casing Method: | Added to Error Values |

| | | | | | |
|----------------------------|------------------|--------------------------|------------------|-------------------------------|--|
| Survey Tool Program | Date | 9/2/2021 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 0.00 | 1,700.00 | Design #1 (Plan B) | ISCWSA MWD | Fixed:v2:standard declination | |
| 1,700.00 | 11,768.98 | Design #1 (Plan B) | ISCWSA MWD | Fixed:v2:standard declination | |

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|--|--|-------------------------------------|--|---|--------------------------|----------------|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| 9N-59W-08 TIMBRO 9-59-8B PAD | | | | | | |
| TIMBRO 9-59 8B-9-1 - Wellbore #1 - Design #1 | | | | | | Out of range |
| TIMBRO 9-59 8B-9-2 - Wellbore #1 - Design #2 | | | | | | Out of range |
| TIMBRO 9-59 8B-9-4 - Wellbore #1 - Design #1 | | | | | | Out of range |
| TIMBRO 9-59 8B-9-8 - Wellbore #1 - Design #1 | 6,220.49 | 8,715.20 | 811.33 | 695.51 | 7.005 | CC |
| TIMBRO 9-59 8B-9-8 - Wellbore #1 - Design #1 | 6,250.00 | 8,706.54 | 812.50 | 695.15 | 6.924 | ES |
| TIMBRO 9-59 8B-9-8 - Wellbore #1 - Design #1 | 6,300.00 | 8,692.34 | 819.76 | 700.16 | 6.854 | SF |
| TIMBRO 9-59 8B-9-9 - Verdad PR Well - Actual Baker Su | 6,377.88 | 8,919.87 | 631.23 | 529.76 | 6.221 | CC |
| TIMBRO 9-59 8B-9-9 - Verdad PR Well - Actual Baker Su | 6,400.00 | 8,914.94 | 631.97 | 528.17 | 6.088 | ES |
| TIMBRO 9-59 8B-9-9 - Verdad PR Well - Actual Baker Su | 6,500.00 | 8,894.81 | 653.48 | 540.66 | 5.792 | SF |
| 9N-59W-17 Offsets | | | | | | |
| Timbro Ranch 17-11-9-59 - Verdad PR Well - Actual Prec | | | | | | Out of range |
| 9N-59W-17 TIMBRO 1717 PAD | | | | | | |
| TIMBRO 1717-08H - Plan B - Design #1 | 200.00 | 200.00 | 32.00 | 24.43 | 4.228 | CC, ES, SF |
| TIMBRO 1717-09H - Plan B - Design #1 | 202.06 | 202.06 | 15.99 | 8.42 | 2.112 | CC, ES, SF |
| TIMBRO 1717-11H - Plan B - Design #1 | 301.05 | 301.05 | 16.01 | 8.36 | 2.092 | CC, ES, SF |
| TIMBRO 1717-12H - Plan B - Design #1 | 301.05 | 301.05 | 32.00 | 24.34 | 4.179 | CC, ES, SF |
| TIMBRO 1717-13H - Plan B - Design #1 | 301.05 | 302.05 | 48.01 | 40.36 | 6.271 | CC, ES, SF |
| TIMBRO 1717-14H - Wellbore #1 - Design #1 | 116.33 | 117.33 | 64.00 | 56.47 | 8.498 | CC |
| TIMBRO 1717-14H - Wellbore #1 - Design #1 | 200.00 | 200.99 | 64.00 | 56.43 | 8.455 | ES, SF |
| 9N-59W-18 Offsets | | | | | | |
| FEDERAL #1-18 - McCulloch D/A Well - No Surveys | | | | | | Out of range |
| WILDHORSE #18-1834H - Whiting PR Well - Actual Cath | | | | | | Out of range |
| Wildhorse #18-1844H - Whiting PR Well - Actual Ensign | | | | | | Out of range |
| 9N-59W-19 Offsets | | | | | | |
| Ptasnik Federal LC19-74HN - Noble Energy PR Well - Ac | | | | | | Out of range |
| 9N-59W-20 Offsets | | | | | | |
| Ptasnik LC20-75HN - Noble PR Well - Actual DDC Surve | 11,768.98 | 6,035.00 | 552.54 | 441.42 | 4.973 | CC, ES, SF |
| SW IGO #1 - Rock Oil D/A Well - No Surveys | | | | | | Out of range |

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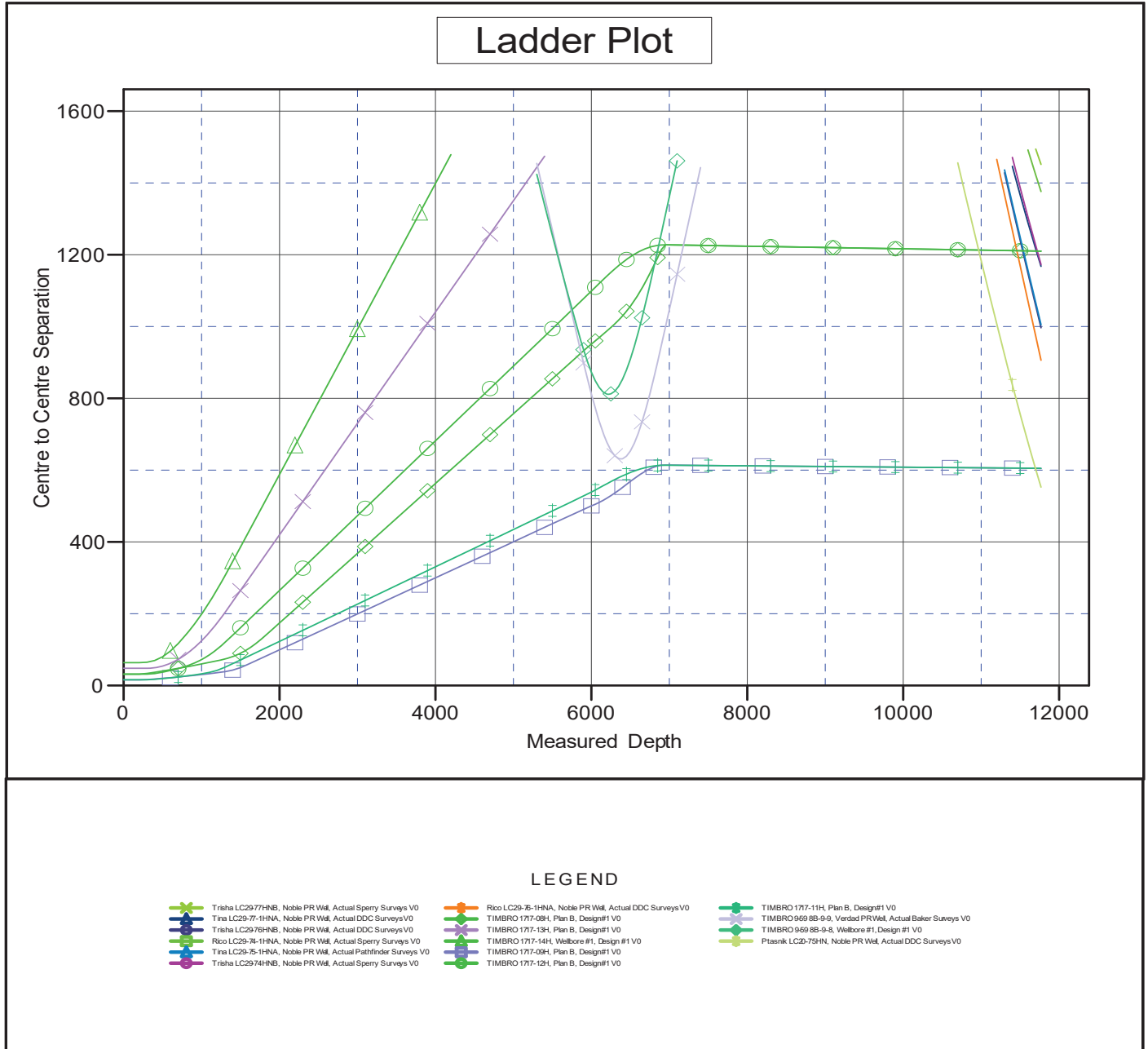
| Summary | | | | | | |
|---|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|--------------|
| Site Name | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| 9N-59W-29 Offsets Incomplete | | | | | | |
| Rico LC29-74-1HNA - Noble PR Well - Actual Sperry Sur | 11,768.98 | 15,480.00 | 1,376.35 | 1,147.57 | 6.016 | CC, ES, SF |
| Rico LC29-76-1HNA - Noble PR Well - Actual DDC Surve | 11,768.98 | 15,506.00 | 906.33 | 812.90 | 9.700 | CC, ES, SF |
| Rico LC29-78-1HNC - Noble PR Well - Actual Sperry Sur | | | | | | Out of range |
| Tina LC29-73-1HNA - Noble PR Well - Actual DDC Surve | | | | | | Out of range |
| Tina LC29-75-1HNA - Noble PR Well - Actual Pathfinder | 11,768.98 | 15,534.00 | 1,004.97 | 844.99 | 6.282 | CC, ES, SF |
| Tina LC29-77-1HNA - Noble PR Well - Actual DDC Surve | 11,768.98 | 15,595.00 | 1,167.63 | 925.73 | 4.827 | CC, ES, SF |
| Trisha LC29-73HNB - Noble PR Well - Actual DDC Surve | | | | | | Out of range |
| Trisha LC29-74HNB - Noble PR Well - Actual Sperry Sur | 11,768.98 | 15,548.00 | 1,172.67 | 969.39 | 5.769 | CC, ES, SF |
| Trisha LC29-76HNB - Noble PR Well - Actual DDC Surve | 11,768.98 | 15,585.00 | 996.67 | 848.67 | 6.734 | CC, ES, SF |
| Trisha LC29-77HNB - Noble PR Well - Actual Sperry Sur | 11,768.98 | 15,595.00 | 1,451.78 | 1,272.22 | 8.085 | CC, ES, SF |
| Trisha LC29-78HNB - Noble PR Well - Actual Sperry Sur | | | | | | Out of range |

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Reference Depths are relative to RKB = 20' @ 5030.00usft (RIG)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: TIMBRO 1717-10H
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.97°



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Reference Depths are relative to RKB = 20' @ 5030.00usft (RIG)

Offset Depths are relative to Offset Datum

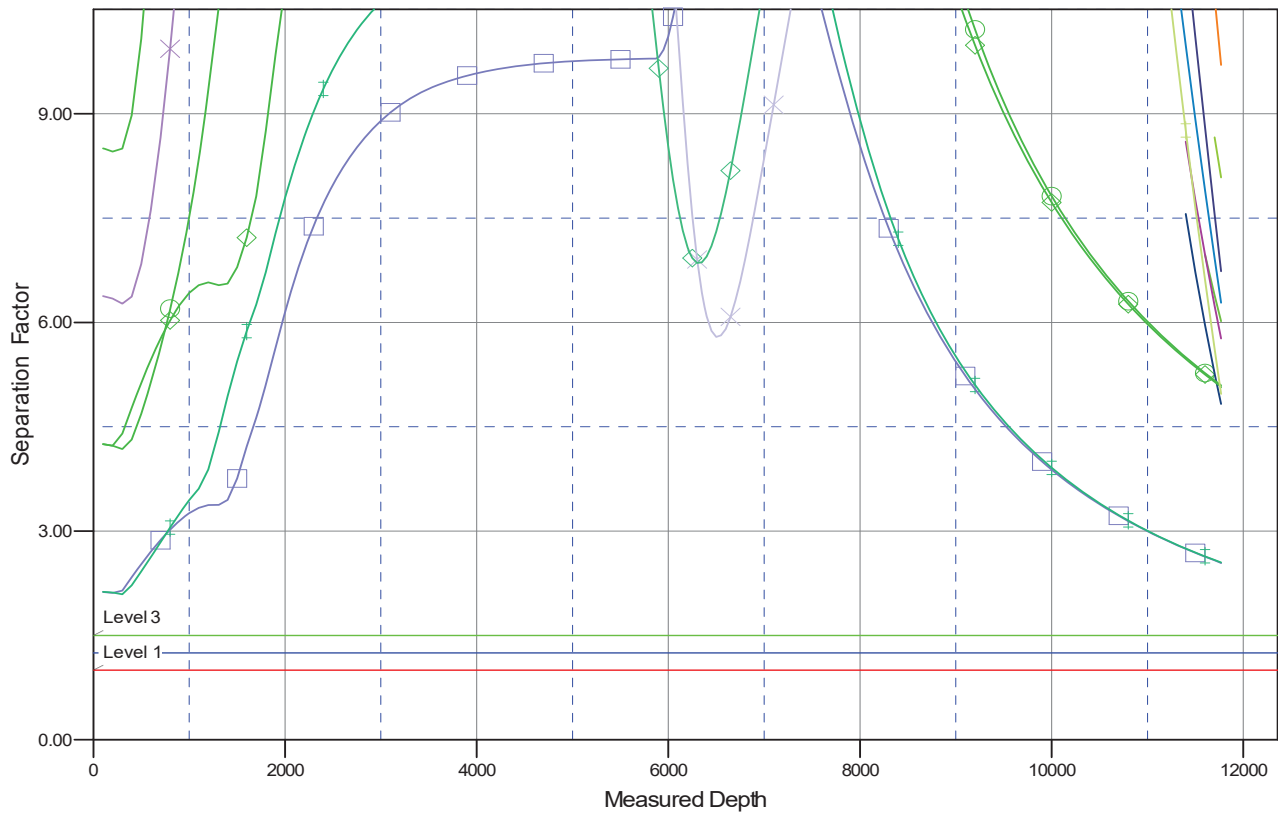
Central Meridian is -105.500000

Coordinates are relative to: TIMBRO 1717-10H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.97°

Separation Factor Plot



LEGEND

| | | |
|--|---|--|
| Trisha LC29-77HNB, Noble PR Well, Actual Sperry Surveys V0 | Rico LC29-74-1HNA, Noble PR Well, Actual DDC Surveys V0 | TIMBRO 1717-11H, Plan B, Design#1 V0 |
| Tina LC29-77-1HNA, Noble PR Well, Actual DDC Surveys V0 | TIMBRO 1717-09H, Plan B, Design#1 V0 | TIMBRO 969-8B-9-9, Verdad PR Well, Actual Baker Surveys V0 |
| Trisha LC29-79HNB, Noble PR Well, Actual DDC Surveys V0 | TIMBRO 1717-13H, Plan B, Design#1 V0 | TIMBRO 969-8B-9-8, Wellbore #1, Design #1 V0 |
| Rico LC29-74-1HNA, Noble PR Well, Actual Sperry Surveys V0 | TIMBRO 1717-14H, Wellbore #1, Design #1 V0 | Plasnik LC29-75HN, Noble PR Well, Actual DDC Surveys V0 |
| Tina LC29-75-1HNA, Noble PR Well, Actual Pathfinder Surveys V0 | TIMBRO 1717-09H, Plan B, Design#1 V0 | |
| Trisha LC29-74HNB, Noble PR Well, Actual Sperry Surveys V0 | TIMBRO 1717-12H, Plan B, Design#1 V0 | |