

VERDAD RESOURCES

WATTENBERG FIELD

8N-61W-29 GAFFNEY 2920 PAD

GAFFNEY 2920-07H

Plan B

Permit Rev-1

Anticollision Summary Report

07 June, 2024

Anticollision Summary Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|-------------------------------|
| Company: | VERDAD RESOURCES | Local Co-ordinate Reference: | Well GAFFNEY 2920-07H |
| Project: | WATTENBERG FIELD | TVD Reference: | RKB = 21' @ 5012.00usft (RIG) |
| Reference Site: | 8N-61W-29 GAFFNEY 2920 PAD | MD Reference: | RKB = 21' @ 5012.00usft (RIG) |
| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | GAFFNEY 2920-07H | 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: | Permit Rev-1 | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|-----------------------|
| Reference | Permit Rev-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 2,500.00usft | Error Surface: | Pedal Curve |
| Warning Levels Evaluated at: | 2.45 Sigma | Casing Method: | Added to Error Values |

| | | | | |
|----------------------------|------------------|--------------------------|------------------|-------------------------------|
| Survey Tool Program | Date | 6/6/2024 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 0.00 | 1,871.00 | Permit Rev-1 (Plan B) | ISCWSA MWD | Fixed:v2:standard declination |
| 1,871.00 | 15,704.03 | Permit Rev-1 (Plan B) | ISCWSA MWD | Fixed:v2:standard declination |

| Summary | | | | | | |
|--|--|---------------------------------------|--|---|----------------------|--------------|
| Site Name Offset Well - Wellbore - Design | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| 8N-61W-17 Offsets | | | | | | |
| Sievers LE17-62HN - Noble PR Well - Actual Sperry Sur | 15,704.45 | 10,720.69 | 864.25 | 610.93 | 3.412 | CC, ES, SF |
| 8N-61W-19 Offsets | | | | | | |
| GRACE-WISE #19-1 - Geochemical P&A Well - No Surv | | | | | | Out of range |
| ULLMAN FARMS #19-2 - Geochemical D/A Well - No Su | | | | | | Out of range |
| ULLMAN FARMS #19-3 - Geochemical P&A Well - No S | | | | | | Out of range |
| WISE #1 (05-123-05538) - British American D/A Well - N | | | | | | Out of range |
| WISE #1 (05-123-07124) - Dunwick D/A Well - No Surve | | | | | | Out of range |
| 8N-61W-28 Offsets | | | | | | |
| CENSOR #13-28 - St. Michael D/A Well - No Surveys | 7,888.41 | 6,586.72 | 1,704.05 | 1,437.69 | 6.398 | CC |
| CENSOR #13-28 - St. Michael D/A Well - No Surveys | 7,950.00 | 6,610.88 | 1,706.67 | 1,437.00 | 6.329 | ES |
| CENSOR #13-28 - St. Michael D/A Well - No Surveys | 8,150.00 | 6,661.78 | 1,751.53 | 1,470.54 | 6.233 | SF |
| 8N-61W-29 GAFFNEY 2920 PAD | | | | | | |
| GAFFNEY 2920-01H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 96.00 | 88.41 | 12.649 | CC, ES, SF |
| GAFFNEY 2920-02H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 80.00 | 72.41 | 10.541 | CC, ES, SF |
| GAFFNEY 2920-03H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 64.00 | 56.41 | 8.433 | CC, ES |
| GAFFNEY 2920-03H - Plan B - Permit Rev-1 | 15,660.87 | 14,787.08 | 2,316.25 | 1,960.93 | 6.519 | SF |
| GAFFNEY 2920-04H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 48.00 | 40.41 | 6.325 | CC, ES |
| GAFFNEY 2920-04H - Plan B - Permit Rev-1 | 15,671.68 | 14,949.87 | 1,737.18 | 1,381.43 | 4.883 | SF |
| GAFFNEY 2920-05H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 32.00 | 24.41 | 4.216 | CC, ES |
| GAFFNEY 2920-05H - Plan B - Permit Rev-1 | 15,682.47 | 15,158.88 | 1,158.13 | 801.83 | 3.250 | SF |
| GAFFNEY 2920-06H - Plan B - Permit Rev-1 | 229.70 | 229.70 | 16.00 | 8.41 | 2.108 | CC, ES |
| GAFFNEY 2920-06H - Plan B - Permit Rev-1 | 15,692.73 | 15,411.35 | 579.06 | 222.09 | 1.622 | SF |
| GAFFNEY 2920-08H - Plan B - Permit Rev-1 | 200.00 | 200.00 | 16.00 | 8.43 | 2.114 | CC, ES |
| GAFFNEY 2920-08H - Plan B - Permit Rev-1 | 15,704.45 | 16,020.96 | 579.06 | 221.32 | 1.619 | SF |
| 8N-61W-29 Offsets Incomplete | | | | | | |
| ANCONA 28-16-1HN - BISON IV Well - Drilled w/No Actu | 15,704.45 | 14,477.95 | 1,222.60 | 853.38 | 3.311 | CC, ES, SF |
| GAFFNEY 29-8-61 - Verdad PR Well - Actual Precision S | 0.00 | 0.00 | 135.91 | | | |
| GAFFNEY 29-8-61 - Verdad PR Well - Actual Precision S | 100.00 | 95.77 | 135.93 | 128.40 | 18.059 | SF |
| HEINZE #1 - Weaver D/A Well - No Surveys | 7,568.08 | 6,374.34 | 556.33 | 277.06 | 1.992 | CC |
| HEINZE #1 - Weaver D/A Well - No Surveys | 7,650.00 | 6,428.19 | 563.39 | 273.22 | 1.942 | ES |
| HEINZE #1 - Weaver D/A Well - No Surveys | 7,700.00 | 6,458.68 | 574.76 | 278.21 | 1.938 | SF |

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| Site Error: | 0.00 usft | North Reference: | True |
| Reference Well: | GAFFNEY 2920-07H | 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: | Permit Rev-1 | Offset TVD Reference: | Offset Datum |

| 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 | | | | | | |
| 8N-61W-31 Offsets | | | | | | |
| Staudinger 1-31H - Red Hawk PR Sidetrack (No Original | | | | | | Out of range |
| 8N-61W-33 Offsets Incomplete | | | | | | |
| HARLEQUIN 28-29-4HN - Drilled w/No Actuals on ECMC | 7,726.62 | 14,048.23 | 207.46 | -12.97 | 0.941 | Level 1, CC |
| HARLEQUIN 28-29-4HN - Drilled w/No Actuals on ECMC | 7,800.00 | 14,019.12 | 221.30 | -53.55 | 0.805 | Level 1, ES, SF |
| HARLEQUIN 28-29-5HN - BISON IV Planned Well - Plan | 7,381.32 | 13,841.48 | 951.41 | 649.76 | 3.154 | CC |
| HARLEQUIN 28-29-5HN - BISON IV Planned Well - Plan | 7,400.00 | 13,831.30 | 951.77 | 648.64 | 3.140 | ES |
| HARLEQUIN 28-29-5HN - BISON IV Planned Well - Plan | 7,450.00 | 13,804.48 | 956.38 | 649.67 | 3.118 | SF |
| HARLEQUIN 28-29-6HN - BISON IV Planned Well - Plan | 7,315.27 | 13,539.93 | 1,869.01 | 1,559.43 | 6.037 | CC, ES |
| HARLEQUIN 28-29-6HN - BISON IV Planned Well - Plan | 7,400.00 | 13,493.27 | 1,875.30 | 1,563.69 | 6.018 | SF |

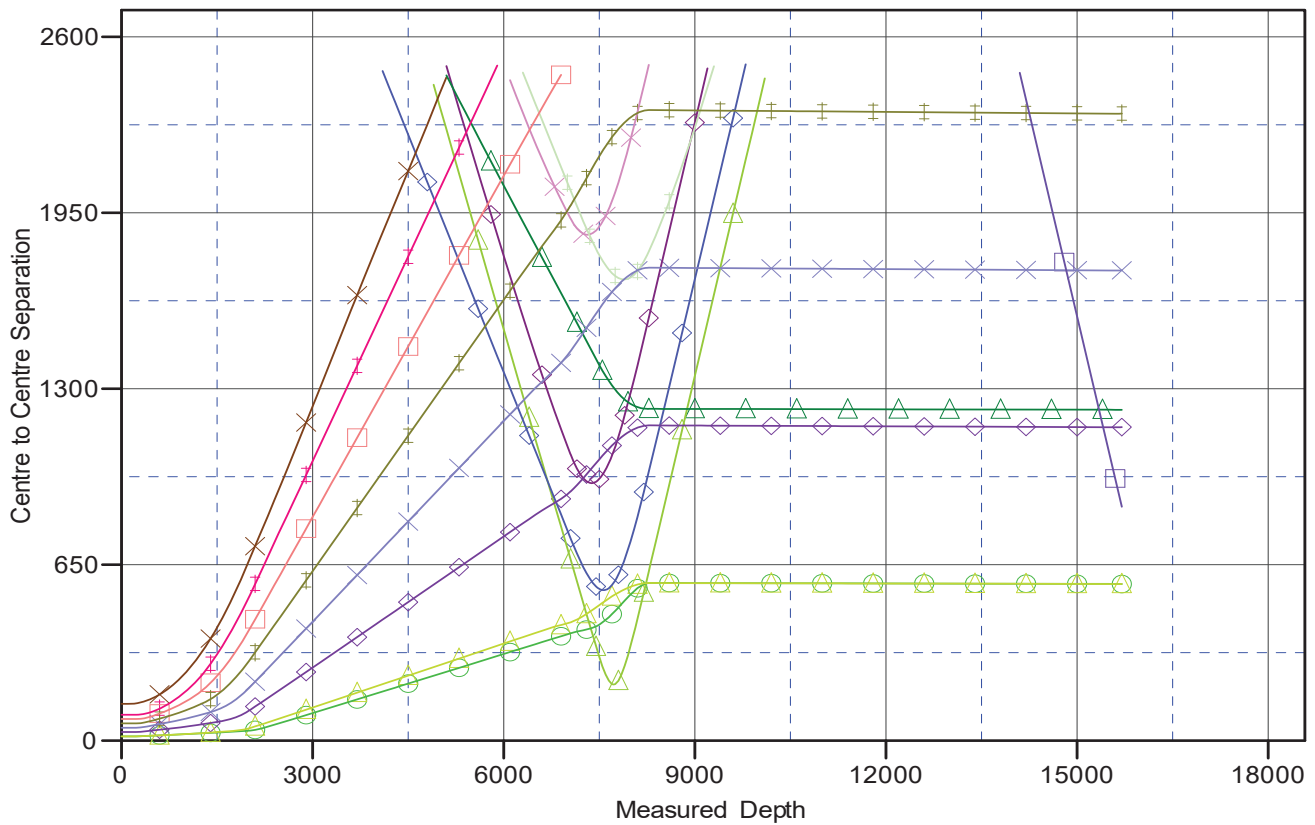
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Reference Depths are relative to RKB = 21' @ 5012.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: GAFFNEY 2920-07H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.82°

Ladder Plot



LEGEND

linings Surveys V0

linings Surveys V0

2MC/BISON IV Well - No Actuals on ECMC - Mallard Plan Entered, Planned Mallard Surveys V0

n Surveys (Grid to True) V0

ANCONA 2816-1H, BISON IV Well - Drilled w/No Actuals on ECMC, Planned Mallard Surveys V0

CENSOR #B-28, St. Michael D/A Well, No Surveys V0

GAFFNEY 2920-01H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-02H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-08H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-04H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-05H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-06H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-03H, Plan B, Permit Rev-1 V0

Sievers LE 17-62H, Noble PR Well, Actual Sperry Surveys V0

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Reference Depths are relative to RKB = 21' @ 5012.00usft (RIG)

Offset Depths are relative to Offset Datum

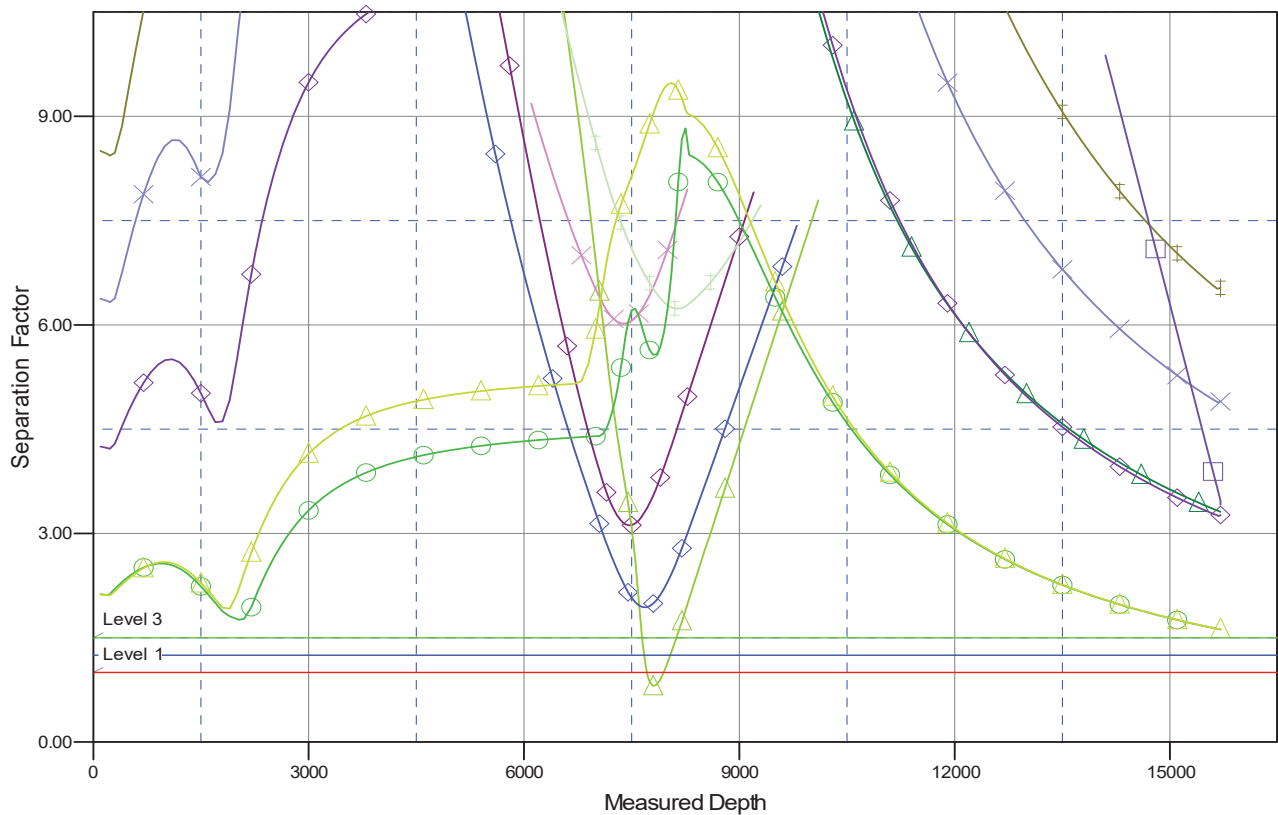
Central Meridian is -105.500000

Coordinates are relative to: GAFFNEY 2920-07H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.82°

Separation Factor Plot



LEGEND

Inner Surveys V0

Inner Surveys V0

CMC BISON IV Well - No Actuals on ECMC - Mailed Plan Entered, Planned Mallard Surveys V0

in Surveys (Grid to True) V0

ANCONA 28-16-1HN, BISON IV Well - Drilled w/No Actuals on ECMC, Planned Mallard Surveys V0

CENSOR #13-28, St. Michael D/A Well, No Surveys V0

GAFFNEY 2920-01H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-02H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-03H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-04H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-05H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-06H, Plan B, Permit Rev-1 V0

GAFFNEY 2920-07H, Plan B, Permit Rev-1 V0

Sievers LE 17-62N, Noble PR Well, Actual Sperry Surveys V0