

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011

Permit 394857

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                       |  |                               |
|-------------------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>Civitas Permian Operating, LLC<br>555 17th Street<br>Denver, CO 80202 |  | 2. OGRID Number<br>332195     |
| 4. Property Code<br>335279                                                                            |  | 3. API Number<br>30-025-55287 |
| 5. Property Name<br>COONSKIN FEE                                                                      |  | 6. Well No.<br>122H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| F        | 33      | 24S      | 35E   | F       | 2305      | N        | 1408      | W        | Lea    |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| C        | 28      | 24S      | 35E   | C       | 5         | N        | 2305      | W        | Lea    |

**9. Pool Information**

|                                     |       |
|-------------------------------------|-------|
| WC-025 G-07 S243517D;MIDDLE BONE SP | 98294 |
|-------------------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                           |                                    |
|---------------------------|-----------------------------|----------------------------------------|---------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>Private | 15. Ground Level Elevation<br>3300 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>18849 | 18. Formation<br>2nd Bone Spring Sand  | 19. Contractor            | 20. Spud Date<br>1/2/2026          |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                           | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 14.75     | 11.75       | 47               | 928           | 513             | 0             |
| Int1 | 10.625    | 8.625       | 32               | 5128          | 613             | 0             |
| Prod | 7.875     | 5.5         | 20               | 18849         | 1499            | 0             |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5000             | 5000          | CAMERON      |
| Annular    | 2500             | 2500          | Shaffer      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. | <b>OIL CONSERVATION DIVISION</b>                         |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          |
| Printed Name: Electronically filed by Nathan S Bennett                                                                                                                                                                                                                                                                                                                                                                           | Approved By: Jeffrey Harrison                            |
| Title: Director, Permitting & Compliance                                                                                                                                                                                                                                                                                                                                                                                         | Title: Petroleum Specialist III                          |
| Email Address: nbennett@civiresources.com                                                                                                                                                                                                                                                                                                                                                                                        | Approved Date: 9/29/2025      Expiration Date: 9/29/2027 |
| Date: 8/29/2025      Phone: 303-312-8166                                                                                                                                                                                                                                                                                                                                                                                         | Conditions of Approval Attached                          |

|                                                          |                                                                                                         |                                     |                                                       |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| C-102<br><br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br><br>Energy, Minerals & Natural Resources Department<br>OIL CONSERVATION DIVISION | Revised July 9, 2024                |                                                       |
|                                                          |                                                                                                         | Submittal<br>Type:                  | <input checked="" type="checkbox"/> Initial Submittal |
|                                                          |                                                                                                         |                                     | <input type="checkbox"/> Amended Report               |
|                                                          |                                                                                                         | <input type="checkbox"/> As Drilled |                                                       |

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                                                                                                                        |                                                 |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br>30-025- 55287                                                                                                                            | Pool Code<br>98294                              | Pool Name<br>WC-025 G-07 S243517D; MIDDLE BONE SP                                                                                                      |
| Property Code<br>335279                                                                                                                                | Property Name<br>COONSKIN FEE                   | Well Number<br>122H                                                                                                                                    |
| OGRID No.<br>332195                                                                                                                                    | Operator Name<br>CIVITAS PERMIAN OPERATING, LLC | Ground Level Elevation<br>3300'                                                                                                                        |
| Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                 | Mineral Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| F             | 33      | 24-S     | 35-E  | -       | 2305' N           | 1408' W           | N 32.1749009 | W 103.3764228 | LEA    |

Bottom Hole Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| C             | 28      | 24-S     | 35-E  | -       | 5' N              | 2305' W           | N 32.1957422 | W 103.3735160 | LEA    |

|                        |                              |                                   |                                                                                                               |                        |
|------------------------|------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|
| Dedicated Acres<br>240 | Infill or Defining Well<br>I | Defining Well API<br>30-025-49261 | Overlapping Spacing Unit (Y/N)<br>N                                                                           | Consolidated Code<br>- |
| Order Numbers<br>-     |                              |                                   | Well Setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                        |

Kick Off Point (KOP)

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| F             | 33      | 24-S     | 35-E  | -       | 2540' N           | 2310' W           | N 32.1742570 | W 103.3735077 | LEA    |

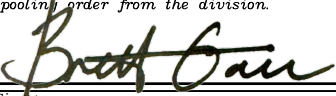
First Take Point (FTP)

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| F             | 33      | 24-S     | 35-E  | -       | 2540' N           | 2310' W           | N 32.1742570 | W 103.3735077 | LEA    |

Last Take Point (LTP)

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| C             | 28      | 24-S     | 35-E  | -       | 100' N            | 2305' W           | N 32.1954811 | W 103.3735159 | LEA    |

|                                               |                                                                                                        |                             |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|
| Unitized Area or Area of Uniform Intrest<br>- | Spacing Unity Type<br><input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation<br>- |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>OPERATOR CERTIFICATION</b><br><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br><i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i><br><br> 08/21/2025<br>Signature Date<br>Brett Garza<br>Print Name<br>bgarza@civiresources.com<br>E-mail Address |  | <b>SURVEYORS CERTIFICATION</b><br><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i><br><br><br>8/12/2025 8:18:56 AM<br>Signature and Seal of Professional Surveyor Date<br>Certificate Number<br>Date of Survey<br>05/02/2025 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

|                                                             |                                                                                                            |  |                                                                                                                                                         |  |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>C-102</b><br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> |  | Revised July 9, 2024                                                                                                                                    |  |
|                                                             |                                                                                                            |  | Submittal Type: <input checked="" type="checkbox"/> Initial Submittal<br><input type="checkbox"/> Amended Report<br><input type="checkbox"/> As Drilled |  |
|                                                             | Property Name and Well Number<br><div style="text-align: center;"><b>COONSKIN FEE 122H</b></div>           |  |                                                                                                                                                         |  |

**SURFACE LOCATION (SHL)**

NEW MEXICO EAST  
 NAD 1983  
 X=837410 Y=428680  
 LAT.: N 32.1749009  
 LONG.: W 103.3764228  
**NAD 1927**  
**X=796224 Y=428622**  
**LAT.: N 32.1747750**  
**LONG.: W 103.3759549**  
 2305' FNL 1408' FWL

**KICK OFF POINT (KOP)/  
FIRST TAKE POINT (FTP)**

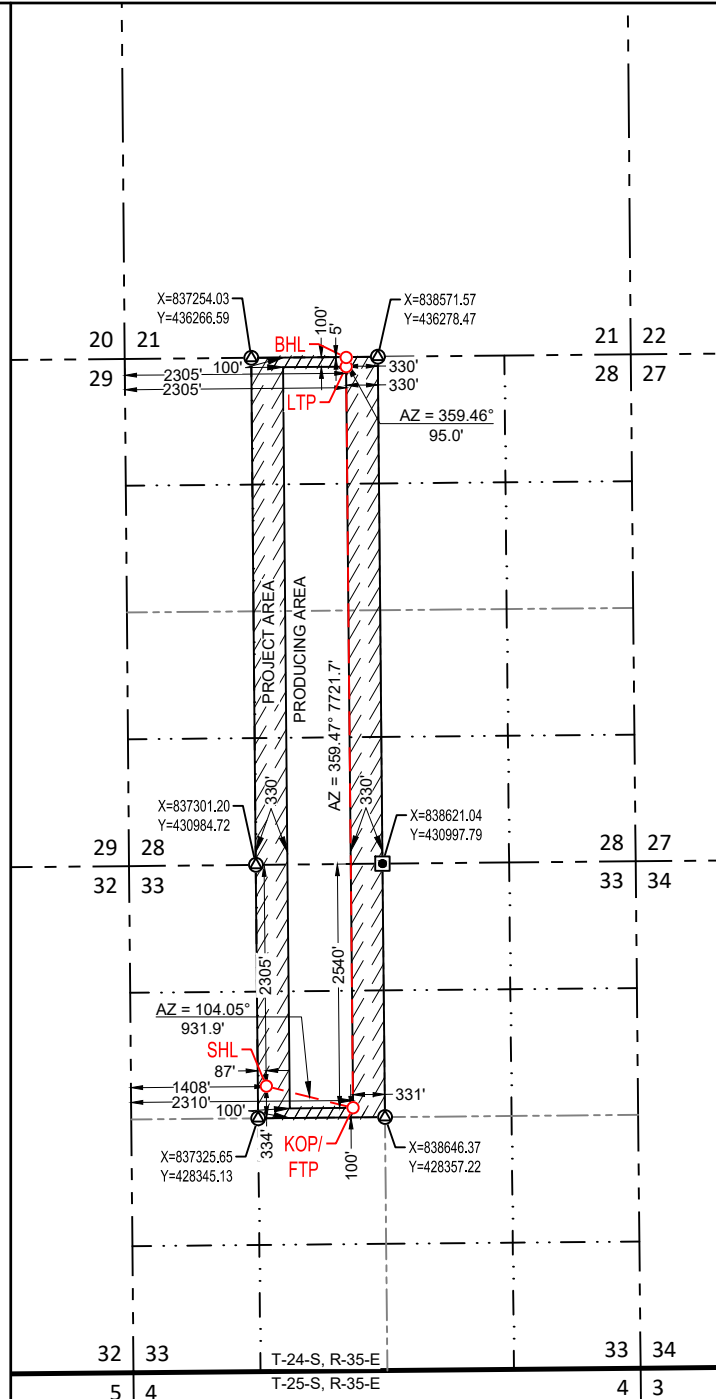
NEW MEXICO EAST  
 NAD 1983  
 X=838314 Y=428454  
 LAT.: N 32.1742570  
 LONG.: W 103.3735077  
**NAD 1927**  
**X=797128 Y=428396**  
**LAT.: N 32.1741310**  
**LONG.: W 103.3730401**  
 2540' FNL 2310' FWL

**LAST TAKE POINT (LTP)**

NEW MEXICO EAST  
 NAD 1983  
 X=838243 Y=436176  
 LAT.: N 32.1954811  
 LONG.: W 103.3735159  
**NAD 1927**  
**X=797057 Y=436117**  
**LAT.: N 32.1953552**  
**LONG.: W 103.3730470**  
 100' FNL 2305' FWL

**BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST  
 NAD 1983  
 X=838242 Y=436270  
 LAT.: N 32.1957422  
 LONG.: W 103.3735160  
**NAD 1927**  
**X=797056 Y=436212**  
**LAT.: N 32.1956163**  
**LONG.: W 103.3730472**  
 5' FNL 2305' FWL

**SURVEYORS CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  
 05/02/2025

Date of Survey  
 Signature and Seal of Professional Surveyor:



8/12/2025 8:18:59 AM

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form APD Comments  
  
Permit 394857

PERMIT COMMENTS

|                                                                                                              |                         |                             |
|--------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|
| Operator Name and Address:<br>Civitas Permian Operating, LLC [332195]<br>555 17th Street<br>Denver, CO 80202 |                         | API Number:<br>30-025-55287 |
|                                                                                                              |                         | Well:<br>COONSKIN FEE #122H |
| Created By                                                                                                   | Comment                 | Comment Date                |
| jeffrey.harrison                                                                                             | Infill to 30-025-49261. | 9/29/2025                   |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 394857

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                              |                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------|
| Operator Name and Address:<br>Civitas Permian Operating, LLC [332195]<br>555 17th Street<br>Denver, CO 80202 | API Number:<br>30-025-55287 |
|                                                                                                              | Well:<br>COONSKIN FEE #122H |

| OCD Reviewer     | Condition                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| jeffrey.harrison | Cement is required to circulate on both surface and intermediate1 strings of casing.                                                                                                                                                                                  |
| jeffrey.harrison | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.                                                                                                                                                            |
| jeffrey.harrison | Notify the OCD 24 hours prior to casing & cement.                                                                                                                                                                                                                     |
| jeffrey.harrison | File As Drilled C-102 and a directional Survey with C-104 completion packet.                                                                                                                                                                                          |
| jeffrey.harrison | A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.                                                                                                                                                                                                |
| jeffrey.harrison | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. |
| jeffrey.harrison | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.                  |
| jeffrey.harrison | No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.                                                                                                      |
| jeffrey.harrison | All logs run on the well must be submitted to NMOCD.                                                                                                                                                                                                                  |

## Hydrogen Sulfide Drilling

### Operations Plan

#### Civitas Resources

#### 1 H2S safety instructions to the following:

- Characteristics of H2S
- Physical effects and hazards
- Principal and operation of H2S detectors, warning system and briefing areas
- Evacuation procedures, routes and first aid
- Proper use of safety equipment & life support systems
- Essential personnel meeting medical evaluation criteria will receive additional training on the proper use of 30min pressure demand air packs

#### 2 H2S Detection and Alarm Systems:

- H2S sensor/detectors to be located on the drilling rig floor, in the base of the sub structure / cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary
- An audio alarm system will be installed on the derrick floor and in the doghouse

#### 3 Windssocks and / Wind Streamers:

- Windssocks at mud pit area should be high enough to be visible
- Windssock on the rig floor and / top of doghouse should be high enough to be visible

#### 4 Condition Flags and Signs:

- Warning sign on access road to location
- Flags to be displayed on sign at entrance to location
  - Green Flag – Normal Safe Operation Condition
  - Yellow Flag – Potential Pressure and Danger
  - Red Flag – Danger (H2S present in dangerous concentrations) Only H2S trained personnel admitted on location

#### 5 Well Control Equipment:

- See Drilling Operations Plan Schematics

#### 6 Communication:

- While working under masks chalkboards will be used for communications
- Hand signals will be used where chalk board is inappropriate
- Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.

**7 Drilling Stem Testing:**

- No DST cores are planned at this time

8 Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubulars good and other mechanical equipment

9 If H2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H2S scavengers if necessary

**11 Emergency Contacts**

| <b>Emergency Contacts</b>         |              |     |
|-----------------------------------|--------------|-----|
| Carlsbad Police Department        | 575.887.7551 | 911 |
| Carlsbad Medical Center           | 575.887.4100 | 911 |
| Eddy County Fire Service          | 575.628.5450 | 911 |
| Eddy County Sherriff              | 575.887.7551 | 911 |
| Lea County Fire Service           | 575.391.2983 | 911 |
| Lea County Sherriff               | 575.396.3611 | 911 |
| Jal Police Department             | 575.395.2121 | 911 |
| Jal Fire Department               | 575.395.2221 | 911 |
| Tap Rock - Doug Sproul - Drilling | 303-653-3518 |     |

# Civitas Resources

Lea County, NM (NAD 83)

Coonskin Fee Pad

Coonskin Fee 122H

OH

Plan #1



## Anticollision Report

Minimum Magnetic Interference Warning level is 20' center to center

01 August, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

[Click here for our anticollision policy](#)

### ATTENTION

All offset data provided was gathered using available software and resources . Total Directional Services cannot guarantee the accuracy of all offset data , which should be verified for accuracy by the Operator.



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

|                                     |                                                                     |                       |                     |
|-------------------------------------|---------------------------------------------------------------------|-----------------------|---------------------|
| <b>Reference</b>                    | Plan #1                                                             |                       |                     |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                       |                     |
| <b>Interpolation Method:</b>        | MD Interval 100.00usft                                              | <b>Error Model:</b>   | ISCWSA              |
| <b>Depth Range:</b>                 | Unlimited                                                           | <b>Scan Method:</b>   | Closest Approach 3D |
| <b>Results Limited by:</b>          | Maximum centre distance of 2,084.92usft                             | <b>Error Surface:</b> | Pedal Curve         |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma                                                          | <b>Casing Method:</b> | Not applied         |

|                      |                   |           |                     |                 |               |               |
|----------------------|-------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | Coonskin Fee 122H |           |                     |                 |               |               |
| Well Position        | +N/-S             | 0.00 usft | Northing:           | 428,680.00 usft | Latitude:     | 32.1748998    |
|                      | +E/-W             | 0.00 usft | Easting:            | 837,410.00 usft | Longitude:    | -103.3764224  |
| Position Uncertainty |                   | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,300.00 usft |
| Grid Convergence:    |                   | 0.51 °    |                     |                 |               |               |

|                            |                  |                          |                      |                                         |  |  |
|----------------------------|------------------|--------------------------|----------------------|-----------------------------------------|--|--|
| <b>Survey Tool Program</b> | <b>Date</b>      | 8/1/2025                 |                      |                                         |  |  |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>     | <b>Description</b>                      |  |  |
| 0.00                       | 18,849.18        | Plan #1 (OH)             | MWD+HRGM+SAG+FDIR (n | OWSG MWD + HRGM + SAG + FDIR Correction |  |  |

## Experimental: Summary Highlights: Coonskin Fee 122H

- At 18,688.38 MD, (O) Coonskin Fee 25H - OH - OH is 24.65 usft away with a 0.17 SF.
- At 18,849.18 MD, John Callahan Fed Com 212H - OH - Design #1 is 132.42 usft away with a 0.95 SF.

## Offset Listing

| Offset Customer - Project - Site Name<br>Offset Well | Ground Level KB Height |          | Map Coordinates |            | Geographical Coordinates |              | Surface Uncertainty |      |
|------------------------------------------------------|------------------------|----------|-----------------|------------|--------------------------|--------------|---------------------|------|
|                                                      |                        |          | Northing        | Easting    | Latitude                 | Longitude    | Site                | Well |
| - - Coonskin Fee Pad                                 |                        |          |                 |            |                          |              |                     |      |
| (O) Coonskin Fee #111H -                             | 3,291.00               | 3,317.00 | 428,681.00      | 837,145.00 | 32.1749090               | -103.3772788 | 0.00                | 0.00 |
| (O) Coonskin Fee #112H -                             | 3,301.00               | 3,327.00 | 428,656.00      | 837,145.00 | 32.1748403               | -103.3772795 | 0.00                | 0.00 |
| (O) Coonskin Fee #151H -                             | 3,301.00               | 3,327.00 | 428,656.00      | 837,250.00 | 32.1748377               | -103.3769402 | 0.00                | 0.00 |
| (O) Coonskin Fee 121H -                              | 3,301.00               | 3,327.00 | 428,656.00      | 837,225.00 | 32.1748384               | -103.3770210 | 0.00                | 0.00 |
| (O) Coonskin Fee 25H -                               | 3,319.00               | 3,348.00 | 436,065.67      | 838,248.01 | 32.1951791               | -103.3735013 | 0.00                | 0.00 |
| (O) Coonskin Fee 28H -                               | 3,307.00               | 3,337.00 | 436,209.96      | 836,516.76 | 32.1956180               | -103.3790931 | 0.00                | 0.00 |
| (O) Coonskin Fee 601H -                              | 3,316.40               | 3,341.40 | 436,218.17      | 837,416.68 | 32.1956186               | -103.3761840 | 0.00                | 0.00 |
| (O) Coonskin Fee 602H -                              | 3,315.60               | 3,340.60 | 436,217.67      | 837,356.68 | 32.1956187               | -103.3763780 | 0.00                | 0.00 |
| (O) Coonskin Fee 603H -                              | 3,306.90               | 3,336.90 | 436,210.26      | 836,546.76 | 32.1956181               | -103.3789962 | 0.00                | 0.00 |
| (O) Coonskin Fee 701H -                              | 3,315.90               | 3,340.90 | 436,217.77      | 837,386.68 | 32.1956182               | -103.3762810 | 0.00                | 0.00 |
| (O) Coonskin Fee 702H -                              | 3,306.70               | 3,336.70 | 436,210.56      | 836,576.76 | 32.1956182               | -103.3788992 | 0.00                | 0.00 |
| (O) Cosmo K 24S35E3328 #113H -                       | 3,289.00               | 3,315.50 | 428,699.00      | 839,403.00 | 32.1749031               | -103.3699812 | 0.00                | 0.00 |
| (O) Cosmo K 24S35E3328 Fee 133H -                    | 3,289.00               | 3,315.50 | 428,699.00      | 839,378.00 | 32.1749038               | -103.3700620 | 0.00                | 0.00 |
| (O) Cosmo K 24S35E3328 Fee 213H -                    | 3,289.00               | 3,314.50 | 428,698.00      | 839,328.00 | 32.1749022               | -103.3702236 | 0.00                | 0.00 |
| (O) Cosmo K Fee #223H -                              | 3,289.00               | 3,314.00 | 428,620.00      | 839,209.00 | 32.1746908               | -103.3706105 | 0.00                | 0.00 |
| Coonskin Fee 152H -                                  | 3,300.00               | 3,326.00 | 428,655.00      | 837,410.00 | 32.1748311               | -103.3764231 | 0.00                | 0.00 |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Listing

| Offset Customer - Project - Site Name |             |              | Map Coordinates |            | Geographical Coordinates |              | Surface   |                  |      |
|---------------------------------------|-------------|--------------|-----------------|------------|--------------------------|--------------|-----------|------------------|------|
|                                       | Offset Well | Ground Level | KB Height       | Northing   | Easting                  | Latitude     | Longitude | Uncertainty Site | Well |
| - John Callahan Offsets Pad 2         |             |              |                 |            |                          |              |           |                  |      |
| John Callahan Fed Com 112H -          | 3,319.00    | 3,347.50     | 436,658.51      | 837,704.90 | 32.1968218               | -103.3752397 | 0.00      | 0.00             |      |
| John Callahan Fed Com 132H -          | 3,317.00    | 3,345.50     | 436,657.53      | 837,594.96 | 32.1968218               | -103.3755951 | 0.00      | 0.00             |      |
| John Callahan Fed Com 202H -          | 3,318.00    | 3,346.50     | 436,687.47      | 837,594.69 | 32.1969041               | -103.3755952 | 0.00      | 0.00             |      |
| John Callahan Fed Com 209H -          | 3,326.00    | 3,354.50     | 436,683.60      | 840,478.17 | 32.1968225               | -103.3662747 | 0.00      | 0.00             |      |
| John Callahan Fed Com 212H -          | 3,318.00    | 3,346.50     | 436,657.80      | 837,624.91 | 32.1968218               | -103.3754983 | 0.00      | 0.00             |      |
| John Callahan Fed Com 222H -          | 3,318.00    | 3,346.50     | 436,687.81      | 837,624.72 | 32.1969043               | -103.3754981 | 0.00      | 0.00             |      |
| - John Callahan Pad                   |             |              |                 |            |                          |              |           |                  |      |
| John Callahan Fed Com 113H -          | 3,310.00    | 3,338.50     | 435,512.91      | 839,070.73 | 32.1936396               | -103.3708580 | 0.00      | 0.00             |      |
| John Callahan Fed Com 137H -          | 3,309.00    | 3,337.50     | 435,482.91      | 839,040.73 | 32.1935579               | -103.3709558 | 0.00      | 0.00             |      |
| John Callahan Fed Com 223H -          | 3,309.00    | 3,337.50     | 435,482.91      | 839,071.73 | 32.1935571               | -103.3708556 | 0.00      | 0.00             |      |

## Summary

| Site Name<br>Offset Well - Wellbore - Design | Reference                   | Offset                      | Distance                     |                               | Separation<br>Factor | Warning                       |
|----------------------------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|----------------------|-------------------------------|
|                                              | Measured<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                      |                               |
| Coonskin Fee Pad                             |                             |                             |                              |                               |                      |                               |
| (O) Coonskin Fee #111H - OH - OH             | 800.00                      | 793.97                      | 264.17                       | 258.35                        | 45.44                | CC, ES                        |
| (O) Coonskin Fee #111H - OH - OH             | 14,900.00                   | 14,319.57                   | 2,084.47                     | 1,964.61                      | 17.39                | SF                            |
| (O) Coonskin Fee #112H - OH - OH             | 800.00                      | 804.14                      | 265.02                       | 259.23                        | 45.74                | CC, ES                        |
| (O) Coonskin Fee #112H - OH - OH             | 18,700.00                   | 17,923.42                   | 1,052.37                     | 884.31                        | 6.26                 | SF                            |
| (O) Coonskin Fee #151H - OH - OH             | 808.56                      | 811.82                      | 159.04                       | 153.07                        | 26.65                | CC, ES                        |
| (O) Coonskin Fee #151H - OH - OH             | 18,800.00                   | 18,868.00                   | 1,634.26                     | 1,398.59                      | 6.93                 | SF                            |
| (O) Coonskin Fee 121H - OH - OH              | 800.00                      | 802.79                      | 183.79                       | 177.95                        | 31.49                | CC, ES                        |
| (O) Coonskin Fee 121H - OH - OH              | 18,849.18                   | 19,395.00                   | 2,060.01                     | 1,832.91                      | 9.07                 | SF                            |
| (O) Coonskin Fee 25H - OH - OH               | 18,688.38                   | 11,176.54                   | 24.65                        | -117.86                       | 0.17                 | No-Go Zone - Stop Drilling, ( |
| (O) Coonskin Fee 28H - OH - OH               | 18,785.52                   | 11,143.37                   | 1,965.97                     | 1,822.36                      | 13.69                | CC                            |
| (O) Coonskin Fee 28H - OH - OH               | 18,800.00                   | 11,143.63                   | 1,966.02                     | 1,822.28                      | 13.68                | ES                            |
| (O) Coonskin Fee 28H - OH - OH               | 18,849.18                   | 11,144.51                   | 1,967.00                     | 1,822.86                      | 13.65                | SF                            |
| (O) Coonskin Fee 601H - OH - OH              | 18,737.76                   | 11,174.14                   | 574.03                       | 430.91                        | 4.01                 | CC, ES, SF                    |
| (O) Coonskin Fee 602H - OH - OH              | 18,758.43                   | 11,164.44                   | 1,126.46                     | 983.10                        | 7.86                 | CC, ES                        |
| (O) Coonskin Fee 602H - OH - OH              | 18,800.00                   | 11,164.54                   | 1,127.22                     | 983.70                        | 7.85                 | SF                            |
| (O) Coonskin Fee 603H - OH - OH              | 18,794.24                   | 11,153.99                   | 1,699.85                     | 1,556.04                      | 11.82                | CC                            |
| (O) Coonskin Fee 603H - OH - OH              | 18,800.00                   | 11,154.09                   | 1,699.86                     | 1,556.01                      | 11.82                | ES                            |
| (O) Coonskin Fee 603H - OH - OH              | 18,849.18                   | 11,154.97                   | 1,700.74                     | 1,556.52                      | 11.79                | SF                            |
| (O) Coonskin Fee 701H - OH - OH              | 18,789.19                   | 11,174.36                   | 861.28                       | 717.41                        | 5.99                 | CC, ES                        |
| (O) Coonskin Fee 701H - OH - OH              | 18,800.00                   | 11,174.35                   | 861.35                       | 717.45                        | 5.99                 | SF                            |
| (O) Coonskin Fee 702H - OH - OH              | 18,814.04                   | 11,157.58                   | 1,421.93                     | 1,277.91                      | 9.87                 | CC, ES                        |
| (O) Coonskin Fee 702H - OH - OH              | 18,849.18                   | 11,157.86                   | 1,422.37                     | 1,278.11                      | 9.86                 | SF                            |
| (O) Cosmo K 24S35E3328 #113H - OH - OH       | 7,923.40                    | 7,844.49                    | 990.35                       | 945.19                        | 21.93                | CC, ES                        |
| (O) Cosmo K 24S35E3328 #113H - OH - OH       | 17,600.00                   | 16,802.00                   | 1,229.87                     | 1,064.93                      | 7.46                 | SF                            |
| (O) Cosmo K 24S35E3328 Fee 133H - OH - OH    | 10,800.00                   | 10,766.97                   | 768.07                       | 711.84                        | 13.66                | CC, ES                        |
| (O) Cosmo K 24S35E3328 Fee 133H - OH - OH    | 17,600.00                   | 18,582.00                   | 1,344.48                     | 1,214.08                      | 10.31                | SF                            |
| (O) Cosmo K 24S35E3328 Fee 213H - OH - OH    | 8,108.20                    | 8,050.99                    | 680.08                       | 634.49                        | 14.92                | CC                            |
| (O) Cosmo K 24S35E3328 Fee 213H - OH - OH    | 8,200.00                    | 8,139.32                    | 680.39                       | 634.46                        | 14.81                | ES                            |
| (O) Cosmo K 24S35E3328 Fee 213H - OH - OH    | 10,900.00                   | 10,854.54                   | 695.21                       | 638.87                        | 12.34                | SF                            |
| (O) Cosmo K Fee #223H - OH - OH              | 7,955.76                    | 7,882.28                    | 879.22                       | 834.22                        | 19.54                | CC, ES                        |
| (O) Cosmo K Fee #223H - OH - OH              | 17,600.00                   | 19,191.00                   | 2,004.21                     | 1,879.02                      | 16.01                | SF                            |
| Coonskin Fee 152H - OH - Plan #1             | 778.29                      | 778.23                      | 24.94                        | 18.53                         | 3.89                 | CC                            |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Summary

| Site Name                                   | Reference<br>Measured<br>Depth<br>(usft) | Offset<br>Measured<br>Depth<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Distance<br>Between<br>Ellipses<br>(usft) | Separation<br>Factor | Warning                       |
|---------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------|----------------------|-------------------------------|
| <b>Coonskin Fee Pad</b>                     |                                          |                                       |                                          |                                           |                      |                               |
| Coonskin Fee 152H - OH - Plan #1            | 900.00                                   | 899.67                                | 25.27                                    | 18.37                                     | 3.66                 | ES                            |
| Coonskin Fee 152H - OH - Plan #1            | 5,400.00                                 | 5,398.76                              | 82.35                                    | 57.37                                     | 3.30                 | SF                            |
| <b>John Callahan Offsets Pad 2</b>          |                                          |                                       |                                          |                                           |                      |                               |
| John Callahan Fed Com 112H - OH - Design #1 | 18,849.18                                | 10,400.00                             | 1,053.90                                 | 984.12                                    | 15.10                | CC, ES, SF                    |
| John Callahan Fed Com 132H - OH - Design #1 | 18,849.18                                | 11,201.56                             | 353.80                                   | 208.51                                    | 2.44                 | CC, ES, SF                    |
| John Callahan Fed Com 202H - OH - Design #1 | 18,849.18                                | 11,197.17                             | 662.13                                   | 516.51                                    | 4.55                 | CC, ES, SF                    |
| John Callahan Fed Com 209H - OH - OH        | 18,849.18                                | 23,078.53                             | 1,316.22                                 | 1,188.83                                  | 10.33                | CC, ES, SF                    |
| John Callahan Fed Com 212H - OH - Design #1 | 18,849.18                                | 11,213.76                             | 132.42                                   | -7.34                                     | 0.95                 | No-Go Zone - Stop Drilling, ( |
| John Callahan Fed Com 222H - OH - Design #1 | 18,849.18                                | 11,201.30                             | 479.03                                   | 333.42                                    | 3.29                 | CC, ES, SF                    |
| <b>John Callahan Pad</b>                    |                                          |                                       |                                          |                                           |                      |                               |
| John Callahan Fed Com 113H - OH - OH        | 18,338.75                                | 10,737.74                             | 1,322.02                                 | 1,213.65                                  | 12.20                | CC                            |
| John Callahan Fed Com 113H - OH - OH        | 18,400.00                                | 10,779.47                             | 1,322.37                                 | 1,213.09                                  | 12.10                | ES                            |
| John Callahan Fed Com 113H - OH - OH        | 18,849.18                                | 11,186.31                             | 1,340.53                                 | 1,226.34                                  | 11.74                | SF                            |
| John Callahan Fed Com 137H - OH - OH        | 17,582.45                                | 11,221.67                             | 1,124.03                                 | 998.90                                    | 8.98                 | CC                            |
| John Callahan Fed Com 137H - OH - OH        | 17,600.00                                | 11,221.29                             | 1,124.17                                 | 998.68                                    | 8.96                 | ES                            |
| John Callahan Fed Com 137H - OH - OH        | 17,700.00                                | 11,219.09                             | 1,130.16                                 | 1,003.05                                  | 8.89                 | SF                            |
| John Callahan Fed Com 223H - OH - OH        | 17,568.64                                | 11,183.70                             | 849.22                                   | 724.09                                    | 6.79                 | CC                            |
| John Callahan Fed Com 223H - OH - OH        | 17,600.00                                | 11,182.51                             | 849.80                                   | 723.99                                    | 6.75                 | ES, SF                        |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #111H - OH - OH

| Survey Program: 119-3_MWD |                       |                       |                       |                  |               |                        |              |              |                         |                         |                           |                              | Offset Site Error: 0.00 usft |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|--------------|--------------|-------------------------|-------------------------|---------------------------|------------------------------|------------------------------|
| Reference Offset          |                       |                       |                       | Semi Major Axis  |               | Offset Wellbore Centre |              |              | Rule Assigned: Distance |                         |                           | Offset Well Error: 0.00 usft |                              |
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft)  | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor            | Warning                      |
| 0.00                      | 0.00                  | 0.00                  | 9.00                  | 0.00             | 0.00          | -89.78                 | 1.00         | -265.00      | 265.15                  |                         |                           |                              |                              |
| 100.00                    | 100.00                | 90.59                 | 99.59                 | 0.84             | 0.13          | -89.73                 | 1.23         | -265.07      | 265.07                  | 264.10                  | 0.97                      | 272.983                      |                              |
| 200.00                    | 200.00                | 190.80                | 199.79                | 1.48             | 0.42          | -89.61                 | 1.79         | -265.22      | 265.22                  | 263.32                  | 1.90                      | 139.383                      |                              |
| 300.00                    | 300.00                | 291.26                | 300.26                | 1.92             | 0.78          | -89.48                 | 2.40         | -265.20      | 265.21                  | 262.51                  | 2.70                      | 98.201                       |                              |
| 383.82                    | 383.82                | 374.83                | 383.82                | 2.22             | 1.08          | -89.29                 | 3.27         | -265.14      | 265.16                  | 261.86                  | 3.30                      | 80.348                       |                              |
| 400.00                    | 400.00                | 390.95                | 399.94                | 2.28             | 1.14          | -89.26                 | 3.44         | -265.14      | 265.17                  | 261.75                  | 3.42                      | 77.628                       |                              |
| 500.00                    | 500.00                | 491.09                | 500.08                | 2.59             | 1.50          | -89.07                 | 4.31         | -265.13      | 265.17                  | 261.08                  | 4.09                      | 64.893                       |                              |
| 600.00                    | 600.00                | 591.74                | 600.72                | 2.87             | 1.86          | -88.87                 | 5.22         | -264.96      | 265.02                  | 260.29                  | 4.73                      | 56.068                       |                              |
| 700.00                    | 700.00                | 692.36                | 701.33                | 3.12             | 2.22          | -88.59                 | 6.49         | -264.54      | 264.63                  | 259.28                  | 5.34                      | 49.519                       |                              |
| 792.57                    | 792.57                | 786.41                | 795.37                | 3.22             | 2.56          | 167.68                 | 7.80         | -263.80      | 264.48                  | 258.70                  | 5.78                      | 45.768                       |                              |
| 800.00                    | 800.00                | 793.97                | 802.93                | 3.23             | 2.58          | 167.69                 | 7.90         | -263.71      | 264.17                  | 258.35                  | 5.81                      | 45.441                       | CC, ES                       |
| 900.00                    | 899.96                | 893.50                | 902.45                | 3.51             | 2.94          | 168.09                 | 9.14         | -262.62      | 265.67                  | 259.23                  | 6.44                      | 41.240                       |                              |
| 1,000.00                  | 999.82                | 993.50                | 1,002.43              | 3.77             | 3.29          | 168.59                 | 10.46        | -261.61      | 269.85                  | 262.79                  | 7.06                      | 38.220                       |                              |
| 1,100.00                  | 1,099.51              | 1,092.82              | 1,101.75              | 4.03             | 3.65          | 169.12                 | 11.54        | -260.66      | 276.65                  | 268.98                  | 7.67                      | 36.082                       |                              |
| 1,200.00                  | 1,198.96              | 1,189.83              | 1,198.74              | 4.27             | 3.99          | 169.67                 | 12.44        | -260.16      | 286.47                  | 278.21                  | 8.26                      | 34.687                       |                              |
| 1,300.00                  | 1,298.11              | 1,286.47              | 1,295.37              | 4.44             | 4.34          | 170.32                 | 13.76        | -260.69      | 299.93                  | 291.16                  | 8.77                      | 34.208                       |                              |
| 1,400.00                  | 1,397.13              | 1,385.86              | 1,394.75              | 4.63             | 4.69          | 171.01                 | 15.24        | -261.44      | 314.53                  | 305.21                  | 9.32                      | 33.764                       |                              |
| 1,500.00                  | 1,496.16              | 1,484.08              | 1,492.96              | 4.83             | 5.04          | 171.58                 | 16.38        | -262.04      | 329.00                  | 319.15                  | 9.86                      | 33.384                       |                              |
| 1,600.00                  | 1,595.19              | 1,579.27              | 1,588.14              | 5.02             | 5.36          | 171.85                 | 16.17        | -263.44      | 344.21                  | 333.83                  | 10.37                     | 33.188                       |                              |
| 1,700.00                  | 1,694.21              | 1,673.51              | 1,682.31              | 5.21             | 5.68          | 171.77                 | 14.12        | -266.21      | 360.64                  | 349.77                  | 10.88                     | 33.162                       |                              |
| 1,800.00                  | 1,793.24              | 1,769.80              | 1,778.45              | 5.41             | 6.00          | 171.45                 | 10.53        | -270.20      | 378.12                  | 366.73                  | 11.39                     | 33.207                       |                              |
| 1,900.00                  | 1,892.27              | 1,865.67              | 1,874.15              | 5.60             | 6.32          | 171.12                 | 6.66         | -274.51      | 395.93                  | 384.03                  | 11.90                     | 33.274                       |                              |
| 2,000.00                  | 1,991.30              | 1,957.52              | 1,965.74              | 5.80             | 6.64          | 170.70                 | 2.19         | -279.76      | 414.88                  | 402.49                  | 12.39                     | 33.478                       |                              |
| 2,100.00                  | 2,090.32              | 2,051.93              | 2,059.72              | 5.99             | 6.97          | 170.15                 | -3.44        | -286.74      | 435.40                  | 422.50                  | 12.90                     | 33.746                       |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #111H - OH - OH

| Survey Program: 119-3_MWD   |                             | Reference                   |                             | Offset              |                  | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 2,200.00                    | 2,189.35                    | 2,151.82                    | 2,159.17                    | 6.19                | 7.32             | 169.62              | 169.62           |                             | -9.44                  | -293.99         | 455.83                       | 442.39                        | 13.44                           | 33.904               |         |
| 2,300.00                    | 2,288.38                    | 2,253.25                    | 2,260.20                    | 6.38                | 7.68             | 169.16              | 169.16           |                             | -15.25                 | -300.78         | 475.77                       | 461.77                        | 14.00                           | 33.988               |         |
| 2,400.00                    | 2,387.40                    | 2,350.36                    | 2,356.99                    | 6.58                | 8.03             | 168.81              | 168.81           |                             | -20.43                 | -306.71         | 495.16                       | 480.63                        | 14.53                           | 34.077               |         |
| 2,500.00                    | 2,486.43                    | 2,441.24                    | 2,447.47                    | 6.77                | 8.35             | 168.41              | 168.41           |                             | -26.04                 | -313.12         | 515.48                       | 500.45                        | 15.03                           | 34.296               |         |
| 2,600.00                    | 2,585.46                    | 2,535.52                    | 2,541.19                    | 6.97                | 8.70             | 167.96              | 167.96           |                             | -32.50                 | -321.09         | 537.14                       | 521.59                        | 15.55                           | 34.541               |         |
| 2,700.00                    | 2,684.48                    | 2,637.95                    | 2,643.06                    | 7.16                | 9.07             | 167.55              | 167.55           |                             | -39.06                 | -329.43         | 558.57                       | 542.45                        | 16.12                           | 34.648               |         |
| 2,800.00                    | 2,783.51                    | 2,734.05                    | 2,738.76                    | 7.36                | 9.43             | 167.29              | 167.29           |                             | -44.22                 | -336.57         | 579.34                       | 562.69                        | 16.66                           | 34.784               |         |
| 2,900.00                    | 2,882.54                    | 2,819.22                    | 2,823.50                    | 7.56                | 9.75             | 167.11              | 167.11           |                             | -48.54                 | -343.96         | 601.38                       | 584.26                        | 17.13                           | 35.116               |         |
| 3,000.00                    | 2,981.57                    | 2,905.36                    | 2,908.98                    | 7.76                | 10.07            | 166.91              | 166.91           |                             | -53.11                 | -353.55         | 625.76                       | 608.16                        | 17.60                           | 35.557               |         |
| 3,100.00                    | 3,080.59                    | 3,004.77                    | 3,007.59                    | 7.95                | 10.45            | 166.74              | 166.74           |                             | -57.87                 | -365.21         | 650.76                       | 632.60                        | 18.16                           | 35.836               |         |
| 3,200.00                    | 3,179.62                    | 3,112.95                    | 3,115.11                    | 8.15                | 10.86            | 166.69              | 166.69           |                             | -61.64                 | -376.53         | 674.55                       | 655.78                        | 18.77                           | 35.931               |         |
| 3,300.00                    | 3,278.65                    | 3,212.67                    | 3,214.37                    | 8.35                | 11.24            | 166.72              | 166.72           |                             | -64.37                 | -385.68         | 697.09                       | 677.76                        | 19.33                           | 36.056               |         |
| 3,400.00                    | 3,377.67                    | 3,301.37                    | 3,302.58                    | 8.55                | 11.58            | 166.67              | 166.67           |                             | -67.67                 | -394.32         | 720.18                       | 700.35                        | 19.83                           | 36.321               |         |
| 3,500.00                    | 3,476.70                    | 3,390.72                    | 3,391.24                    | 8.75                | 11.92            | 166.50              | 166.50           |                             | -72.55                 | -404.32         | 744.66                       | 724.33                        | 20.33                           | 36.632               |         |
| 3,600.00                    | 3,575.73                    | 3,488.87                    | 3,488.55                    | 8.95                | 12.31            | 166.28              | 166.28           |                             | -78.41                 | -415.71         | 769.55                       | 748.66                        | 20.89                           | 36.846               |         |
| 3,700.00                    | 3,674.75                    | 3,596.27                    | 3,595.14                    | 9.15                | 12.73            | 166.09              | 166.09           |                             | -84.42                 | -427.34         | 793.69                       | 772.19                        | 21.50                           | 36.916               |         |
| 3,800.00                    | 3,773.78                    | 3,702.58                    | 3,700.83                    | 9.36                | 13.14            | 165.94              | 165.94           |                             | -89.96                 | -437.33         | 816.44                       | 794.33                        | 22.10                           | 36.936               |         |
| 3,900.00                    | 3,872.81                    | 3,801.38                    | 3,799.13                    | 9.56                | 13.52            | 165.82              | 165.82           |                             | -95.00                 | -446.02         | 838.59                       | 815.93                        | 22.66                           | 37.001               |         |
| 4,000.00                    | 3,971.84                    | 3,892.47                    | 3,889.67                    | 9.76                | 13.87            | 165.64              | 165.64           |                             | -100.71                | -454.28         | 861.04                       | 837.85                        | 23.18                           | 37.144               |         |
| 4,100.00                    | 4,070.86                    | 3,996.47                    | 3,992.96                    | 9.96                | 14.28            | 165.41              | 165.41           |                             | -107.79                | -464.04         | 883.82                       | 860.05                        | 23.77                           | 37.176               |         |
| 4,200.00                    | 4,169.89                    | 4,135.97                    | 4,131.92                    | 10.17               | 14.80            | 165.20              | 165.20           |                             | -115.90                | -472.86         | 903.52                       | 878.98                        | 24.54                           | 36.815               |         |
| 4,300.00                    | 4,268.92                    | 4,235.78                    | 4,231.44                    | 10.37               | 15.17            | 165.02              | 165.02           |                             | -122.48                | -476.81         | 920.98                       | 895.87                        | 25.10                           | 36.687               |         |
| 4,400.00                    | 4,367.94                    | 4,326.45                    | 4,321.81                    | 10.57               | 15.51            | 164.84              | 164.84           |                             | -128.62                | -480.66         | 938.74                       | 913.12                        | 25.62                           | 36.637               |         |
| 4,500.00                    | 4,466.97                    | 4,408.88                    | 4,403.94                    | 10.78               | 15.82            | 164.69              | 164.69           |                             | -134.10                | -485.30         | 957.86                       | 931.76                        | 26.10                           | 36.699               |         |
| 4,600.00                    | 4,566.00                    | 4,493.00                    | 4,487.68                    | 10.98               | 16.14            | 164.59              | 164.59           |                             | -139.08                | -491.44         | 978.58                       | 951.99                        | 26.58                           | 36.811               |         |
| 4,700.00                    | 4,665.02                    | 4,570.30                    | 4,564.59                    | 11.18               | 16.44            | 164.56              | 164.56           |                             | -142.44                | -498.43         | 1,000.98                     | 973.96                        | 27.02                           | 37.042               |         |
| 4,800.00                    | 4,764.05                    | 4,655.75                    | 4,649.53                    | 11.39               | 16.77            | 164.65              | 164.65           |                             | -144.37                | -507.54         | 1,024.92                     | 997.42                        | 27.50                           | 37.266               |         |
| 4,900.00                    | 4,863.08                    | 4,770.73                    | 4,763.84                    | 11.59               | 17.21            | 164.86              | 164.86           |                             | -144.97                | -519.80         | 1,048.94                     | 1,020.78                      | 28.15                           | 37.258               |         |
| 5,000.00                    | 4,962.10                    | 4,899.63                    | 4,892.36                    | 11.80               | 17.69            | 165.08              | 165.08           |                             | -145.89                | -529.63         | 1,069.81                     | 1,040.94                      | 28.87                           | 37.060               |         |
| 5,100.00                    | 5,061.13                    | 4,988.51                    | 4,980.98                    | 12.00               | 18.02            | 165.09              | 165.09           |                             | -148.90                | -535.72         | 1,090.07                     | 1,060.69                      | 29.37                           | 37.111               |         |
| 5,200.00                    | 5,160.16                    | 5,072.94                    | 5,064.98                    | 12.20               | 18.35            | 164.98              | 164.98           |                             | -154.07                | -542.38         | 1,111.38                     | 1,081.52                      | 29.86                           | 37.220               |         |
| 5,300.00                    | 5,259.19                    | 5,161.00                    | 5,152.42                    | 12.41               | 18.70            | 164.79              | 164.79           |                             | -160.94                | -550.23         | 1,133.72                     | 1,103.35                      | 30.37                           | 37.333               |         |
| 5,400.00                    | 5,358.21                    | 5,262.89                    | 5,253.53                    | 12.61               | 19.10            | 164.56              | 164.56           |                             | -169.47                | -559.52         | 1,156.31                     | 1,125.36                      | 30.95                           | 37.355               |         |
| 5,500.00                    | 5,457.24                    | 5,373.08                    | 5,362.99                    | 12.82               | 19.53            | 164.34              | 164.34           |                             | -178.09                | -568.80         | 1,178.22                     | 1,146.63                      | 31.58                           | 37.303               |         |
| 5,600.00                    | 5,556.27                    | 5,473.99                    | 5,463.39                    | 13.02               | 19.93            | 164.19              | 164.19           |                             | -185.22                | -576.03         | 1,198.86                     | 1,166.70                      | 32.16                           | 37.275               |         |
| 5,700.00                    | 5,655.29                    | 5,544.31                    | 5,533.23                    | 13.23               | 20.20            | 164.07              | 164.07           |                             | -190.53                | -582.15         | 1,221.04                     | 1,188.46                      | 32.58                           | 37.484               |         |
| 5,800.00                    | 5,754.32                    | 5,636.00                    | 5,624.18                    | 13.43               | 20.57            | 163.90              | 163.90           |                             | -197.85                | -591.27         | 1,244.47                     | 1,211.37                      | 33.11                           | 37.590               |         |
| 5,900.00                    | 5,853.35                    | 5,719.21                    | 5,706.60                    | 13.64               | 20.91            | 163.73              | 163.73           |                             | -204.93                | -600.17         | 1,268.66                     | 1,235.08                      | 33.59                           | 37.770               |         |
| 6,000.00                    | 5,952.37                    | 5,817.79                    | 5,804.14                    | 13.84               | 21.31            | 163.51              | 163.51           |                             | -214.03                | -611.27         | 1,293.45                     | 1,259.29                      | 34.16                           | 37.859               |         |
| 6,100.00                    | 6,051.40                    | 5,910.51                    | 5,895.82                    | 14.05               | 21.70            | 163.28              | 163.28           |                             | -223.12                | -621.64         | 1,318.21                     | 1,283.50                      | 34.71                           | 37.981               |         |
| 6,200.00                    | 6,150.43                    | 6,003.02                    | 5,987.29                    | 14.25               | 22.08            | 163.08              | 163.08           |                             | -231.86                | -632.33         | 1,343.33                     | 1,308.08                      | 35.25                           | 38.112               |         |
| 6,300.00                    | 6,249.46                    | 6,093.62                    | 6,076.98                    | 14.46               | 22.45            | 162.97              | 162.97           |                             | -238.59                | -643.22         | 1,368.81                     | 1,333.03                      | 35.77                           | 38.263               |         |
| 6,400.00                    | 6,348.48                    | 6,206.86                    | 6,189.17                    | 14.66               | 22.92            | 162.87              | 162.87           |                             | -246.17                | -656.66         | 1,394.13                     | 1,357.70                      | 36.43                           | 38.266               |         |
| 6,500.00                    | 6,447.51                    | 6,300.20                    | 6,281.79                    | 14.86               | 23.29            | 162.86              | 162.86           |                             | -250.67                | -667.20         | 1,418.78                     | 1,381.81                      | 36.97                           | 38.376               |         |
| 6,600.00                    | 6,546.54                    | 6,395.63                    | 6,376.55                    | 15.07               | 23.67            | 162.96              | 162.96           |                             | -252.80                | -678.31         | 1,443.64                     | 1,406.13                      | 37.52                           | 38.481               |         |
| 6,700.00                    | 6,645.56                    | 6,494.21                    | 6,474.44                    | 15.27               | 24.06            | 163.07              | 163.07           |                             | -254.63                | -689.79         | 1,468.49                     | 1,430.42                      | 38.08                           | 38.567               |         |
| 6,800.00                    | 6,744.59                    | 6,589.02                    | 6,568.59                    | 15.48               | 24.43            | 163.17              | 163.17           |                             | -256.30                | -700.84         | 1,493.35                     | 1,454.73                      | 38.62                           | 38.671               |         |
| 6,900.00                    | 6,843.62                    | 6,683.00                    | 6,661.90                    | 15.68               | 24.80            | 163.27              | 163.27           |                             | -258.12                | -711.93         | 1,518.37                     | 1,479.21                      | 39.15                           | 38.779               |         |
| 7,000.00                    | 6,942.64                    | 6,780.43                    | 6,758.62                    | 15.89               | 25.19            | 163.36              | 163.36           |                             | -260.15                | -723.51         | 1,543.47                     | 1,503.76                      | 39.71                           | 38.868               |         |
| 7,100.00                    | 7,041.67                    | 6,920.04                    | 6,897.46                    | 16.09               | 25.73            | 163.45              | 163.45           |                             | -263.99                | -737.57         | 1,566.67                     | 1,526.18                      | 40.49                           | 38.692               |         |
| 7,200.00                    | 7,140.70                    | 7,068.07                    | 7,044.90                    | 16.30               | 26.30            | 163.50              | 163.50           |                             | -269.00                | -749.57         | 1,588.46                     | 1,547.17                      | 41.29                           | 38.475               |         |
| 7,300.00                    | 7,239.73                    | 7,174.36                    | 7,150.98                    | 16.50               | 26.70            | 163.54              | 163.54           |                             | -272.16                | -755.58         | 1,607.50                     | 1,565.62                      | 41.88                           | 38.387               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #111H - OH - OH

| Survey Program: 119-3_MWD   |                             | Reference                   |                             | Offset              |                  | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 7,400.00                    | 7,338.75                    | 7,279.17                    | 7,255.61                    | 16.71               | 27.08            | 163.61              |                  |                             | -274.58                | -761.05         | 1,626.11                     | 1,583.65                      | 42.46                           | 38.298               |         |
| 7,500.00                    | 7,437.83                    | 7,400.00                    | 7,376.30                    | 16.89               | 27.52            | 163.75              |                  |                             | -276.69                | -766.70         | 1,643.85                     | 1,600.77                      | 43.08                           | 38.160               |         |
| 7,600.00                    | 7,537.20                    | 7,534.13                    | 7,510.38                    | 17.07               | 27.99            | 163.95              |                  |                             | -276.76                | -769.99         | 1,656.96                     | 1,613.21                      | 43.75                           | 37.870               |         |
| 7,700.00                    | 7,636.83                    | 7,635.28                    | 7,611.50                    | 17.24               | 28.33            | 164.13              |                  |                             | -275.07                | -771.58         | 1,666.73                     | 1,622.44                      | 44.29                           | 37.634               |         |
| 7,800.00                    | 7,736.65                    | 7,734.40                    | 7,710.59                    | 17.38               | 28.65            | 164.29              |                  |                             | -273.16                | -773.16         | 1,674.01                     | 1,629.21                      | 44.80                           | 37.365               |         |
| 7,900.00                    | 7,836.59                    | 7,829.53                    | 7,805.69                    | 17.51               | 28.97            | 164.39              |                  |                             | -271.52                | -774.82         | 1,678.95                     | 1,633.66                      | 45.29                           | 37.074               |         |
| 8,000.00                    | 7,936.58                    | 7,917.44                    | 7,893.57                    | 17.56               | 29.27            | -91.51              |                  |                             | -270.36                | -776.78         | 1,681.91                     | 1,636.26                      | 45.65                           | 36.844               |         |
| 8,100.00                    | 8,036.58                    | 8,018.87                    | 7,994.96                    | 17.60               | 29.62            | -91.48              |                  |                             | -269.45                | -779.40         | 1,684.47                     | 1,638.43                      | 46.04                           | 36.585               |         |
| 8,200.00                    | 8,136.58                    | 8,120.17                    | 8,096.23                    | 17.64               | 29.98            | -91.45              |                  |                             | -268.69                | -781.88         | 1,686.91                     | 1,640.47                      | 46.44                           | 36.328               |         |
| 8,300.00                    | 8,236.58                    | 8,240.26                    | 8,216.29                    | 17.68               | 30.39            | -91.42              |                  |                             | -267.86                | -784.25         | 1,688.89                     | 1,642.00                      | 46.89                           | 36.019               |         |
| 8,400.00                    | 8,336.58                    | 8,370.69                    | 8,346.71                    | 17.72               | 30.81            | -91.40              |                  |                             | -267.38                | -784.30         | 1,688.83                     | 1,641.48                      | 47.35                           | 35.666               |         |
| 8,500.00                    | 8,436.58                    | 8,473.51                    | 8,449.53                    | 17.77               | 31.13            | -91.40              |                  |                             | -267.29                | -783.54         | 1,688.09                     | 1,640.37                      | 47.72                           | 35.373               |         |
| 8,600.00                    | 8,536.58                    | 8,571.59                    | 8,547.61                    | 17.81               | 31.43            | -91.40              |                  |                             | -267.18                | -782.83         | 1,687.37                     | 1,639.29                      | 48.08                           | 35.094               |         |
| 8,700.00                    | 8,636.58                    | 8,671.61                    | 8,647.63                    | 17.85               | 31.75            | -91.39              |                  |                             | -266.79                | -782.20         | 1,686.73                     | 1,638.29                      | 48.45                           | 34.816               |         |
| 8,800.00                    | 8,736.58                    | 8,774.07                    | 8,750.09                    | 17.89               | 32.07            | -91.37              |                  |                             | -266.18                | -781.48         | 1,686.01                     | 1,637.19                      | 48.82                           | 34.535               |         |
| 8,900.00                    | 8,836.58                    | 8,891.48                    | 8,867.49                    | 17.93               | 32.44            | -91.37              |                  |                             | -266.13                | -779.96         | 1,684.72                     | 1,635.49                      | 49.23                           | 34.219               |         |
| 9,000.00                    | 8,936.58                    | 8,996.47                    | 8,972.45                    | 17.98               | 32.77            | -91.40              |                  |                             | -267.19                | -777.75         | 1,682.64                     | 1,633.02                      | 49.62                           | 33.913               |         |
| 9,100.00                    | 9,036.58                    | 9,085.73                    | 9,061.69                    | 18.02               | 33.05            | -91.43              |                  |                             | -268.04                | -776.10         | 1,680.82                     | 1,630.86                      | 49.96                           | 33.643               |         |
| 9,200.00                    | 9,136.58                    | 9,168.00                    | 9,143.95                    | 18.06               | 33.32            | -91.45              |                  |                             | -268.41                | -775.17         | 1,679.73                     | 1,629.44                      | 50.28                           | 33.405               |         |
| 9,300.00                    | 9,236.58                    | 9,263.00                    | 9,238.95                    | 18.11               | 33.63            | -91.44              |                  |                             | -268.32                | -774.94         | 1,679.47                     | 1,628.82                      | 50.65                           | 33.160               |         |
| 9,302.46                    | 9,239.04                    | 9,263.00                    | 9,238.95                    | 18.11               | 33.63            | -91.44              |                  |                             | -268.32                | -774.94         | 1,679.47                     | 1,628.82                      | 50.65                           | 33.158               |         |
| 9,400.00                    | 9,336.58                    | 9,348.53                    | 9,324.48                    | 18.15               | 33.92            | -91.43              |                  |                             | -267.78                | -775.36         | 1,679.92                     | 1,628.93                      | 50.99                           | 32.946               |         |
| 9,500.00                    | 9,436.58                    | 9,429.85                    | 9,405.78                    | 18.20               | 34.20            | -91.40              |                  |                             | -266.95                | -776.39         | 1,681.17                     | 1,629.85                      | 51.32                           | 32.759               |         |
| 9,600.00                    | 9,536.58                    | 9,556.68                    | 9,532.60                    | 18.24               | 34.63            | -91.36              |                  |                             | -266.08                | -778.14         | 1,682.62                     | 1,630.83                      | 51.80                           | 32.486               |         |
| 9,700.00                    | 9,636.58                    | 9,669.23                    | 9,645.15                    | 18.29               | 35.01            | -91.38              |                  |                             | -266.54                | -778.03         | 1,682.54                     | 1,630.33                      | 52.22                           | 32.222               |         |
| 9,800.00                    | 9,736.58                    | 9,775.04                    | 9,750.94                    | 18.33               | 35.36            | -91.42              |                  |                             | -267.66                | -777.12         | 1,681.70                     | 1,629.09                      | 52.61                           | 31.963               |         |
| 9,900.00                    | 9,836.58                    | 9,868.62                    | 9,844.51                    | 18.38               | 35.66            | -91.46              |                  |                             | -268.87                | -776.51         | 1,681.08                     | 1,628.10                      | 52.98                           | 31.731               |         |
| 10,000.00                   | 9,936.58                    | 9,961.60                    | 9,937.48                    | 18.43               | 35.97            | -91.49              |                  |                             | -269.78                | -776.16         | 1,680.73                     | 1,627.38                      | 53.35                           | 31.506               |         |
| 10,006.09                   | 9,942.67                    | 9,966.78                    | 9,942.67                    | 18.43               | 35.99            | -91.49              |                  |                             | -269.82                | -776.16         | 1,680.73                     | 1,627.36                      | 53.37                           | 31.494               |         |
| 10,100.00                   | 10,036.58                   | 10,026.00                   | 10,001.89                   | 18.47               | 36.19            | -91.50              |                  |                             | -270.12                | -776.33         | 1,681.27                     | 1,627.64                      | 53.63                           | 31.350               |         |
| 10,200.00                   | 10,136.58                   | 10,072.86                   | 10,048.69                   | 18.52               | 36.35            | -91.46              |                  |                             | -268.74                | -777.73         | 1,684.57                     | 1,630.73                      | 53.84                           | 31.289               |         |
| 10,300.00                   | 10,236.58                   | 10,122.00                   | 10,097.43                   | 18.57               | 36.52            | -91.29              |                  |                             | -263.96                | -781.59         | 1,691.75                     | 1,637.71                      | 54.04                           | 31.305               |         |
| 10,400.00                   | 10,336.58                   | 10,150.84                   | 10,125.76                   | 18.61               | 36.62            | -91.14              |                  |                             | -259.67                | -784.89         | 1,702.33                     | 1,648.19                      | 54.13                           | 31.446               |         |
| 10,500.00                   | 10,436.58                   | 10,217.00                   | 10,189.73                   | 18.66               | 36.84            | -90.68              |                  |                             | -246.16                | -794.85         | 1,716.81                     | 1,662.44                      | 54.37                           | 31.578               |         |
| 10,600.00                   | 10,536.58                   | 10,235.60                   | 10,207.42                   | 18.71               | 36.91            | -90.52              |                  |                             | -241.51                | -798.22         | 1,733.82                     | 1,679.45                      | 54.38                           | 31.886               |         |
| 10,700.00                   | 10,636.58                   | 10,277.64                   | 10,246.93                   | 18.76               | 37.04            | -90.13              |                  |                             | -229.87                | -806.62         | 1,754.45                     | 1,699.97                      | 54.47                           | 32.208               |         |
| 10,800.00                   | 10,736.14                   | 10,313.00                   | 10,279.60                   | 18.83               | 37.16            | -87.02              |                  |                             | -218.92                | -814.53         | 1,778.07                     | 1,723.58                      | 54.49                           | 32.633               |         |
| 10,900.00                   | 10,832.81                   | 10,362.98                   | 10,324.55                   | 18.88               | 37.31            | -84.17              |                  |                             | -200.94                | -826.90         | 1,803.73                     | 1,749.20                      | 54.53                           | 33.079               |         |
| 11,000.00                   | 10,923.66                   | 10,408.00                   | 10,363.41                   | 18.91               | 37.44            | -81.42              |                  |                             | -181.81                | -839.14         | 1,830.60                     | 1,776.07                      | 54.53                           | 33.573               |         |
| 11,100.00                   | 11,005.93                   | 10,408.00                   | 10,363.41                   | 18.96               | 37.44            | -78.53              |                  |                             | -181.81                | -839.14         | 1,858.75                     | 1,804.46                      | 54.29                           | 34.236               |         |
| 11,200.00                   | 11,077.11                   | 10,463.81                   | 10,408.64                   | 19.07               | 37.60            | -76.12              |                  |                             | -154.08                | -856.37         | 1,885.82                     | 1,831.46                      | 54.36                           | 34.693               |         |
| 11,300.00                   | 11,135.05                   | 10,503.00                   | 10,437.92                   | 19.25               | 37.71            | -73.86              |                  |                             | -131.97                | -870.11         | 1,913.19                     | 1,858.80                      | 54.38                           | 35.181               |         |
| 11,400.00                   | 11,177.98                   | 10,503.00                   | 10,437.92                   | 19.50               | 37.71            | -71.27              |                  |                             | -131.97                | -870.11         | 1,939.41                     | 1,885.14                      | 54.27                           | 35.736               |         |
| 11,500.00                   | 11,204.59                   | 10,555.40                   | 10,473.56                   | 19.84               | 37.84            | -69.80              |                  |                             | -99.10                 | -889.92         | 1,963.40                     | 1,908.90                      | 54.49                           | 36.029               |         |
| 11,600.00                   | 11,214.09                   | 10,598.00                   | 10,499.36                   | 20.26               | 37.95            | -68.53              |                  |                             | -69.71                 | -906.76         | 1,985.35                     | 1,930.60                      | 54.75                           | 36.262               |         |
| 11,700.00                   | 11,213.30                   | 10,598.00                   | 10,499.36                   | 20.76               | 37.95            | -68.35              |                  |                             | -69.71                 | -906.76         | 2,007.42                     | 1,952.57                      | 54.85                           | 36.596               |         |
| 11,800.00                   | 11,212.44                   | 10,643.82                   | 10,523.51                   | 21.31               | 38.06            | -69.22              |                  |                             | -35.73                 | -925.72         | 2,032.80                     | 1,977.52                      | 55.28                           | 36.770               |         |
| 11,900.00                   | 11,211.57                   | 10,694.00                   | 10,545.18                   | 21.92               | 38.20            | -70.04              |                  |                             | 3.87                   | -947.59         | 2,062.08                     | 2,006.35                      | 55.73                           | 37.001               |         |
| 12,000.00                   | 11,210.70                   | 11,407.09                   | 10,562.69                   | 22.59               | 41.05            | -71.85              |                  |                             | 690.96                 | -1,081.98       | 2,081.66                     | 2,021.86                      | 59.79                           | 34.815               |         |
| 12,100.00                   | 11,209.84                   | 11,501.15                   | 10,560.15                   | 23.31               | 41.59            | -71.82              |                  |                             | 784.97                 | -1,083.84       | 2,083.28                     | 2,022.34                      | 60.93                           | 34.189               |         |
| 12,200.00                   | 11,208.97                   | 11,620.22                   | 10,555.59                   | 24.07               | 42.34            | -71.73              |                  |                             | 903.94                 | -1,085.01       | 2,084.28                     | 2,021.93                      | 62.35                           | 33.429               |         |
| 13,000.00                   | 11,202.04                   | 12,483.73                   | 10,528.97                   | 31.57               | 49.70            | -71.16              |                  |                             | 1,766.78               | -1,085.09       | 2,083.81                     | 2,007.32                      | 76.49                           | 27.243               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #111H - OH - OH

| Survey Program:       |                       | 119-3_MWD             |                       | Rule Assigned:   |                     |                        |              |              |                        |                         |                           |                   |         | Offset Well Error: |  | 0.00 usft |  |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------|--------------------|--|-----------|--|
| Reference             |                       | Offset                |                       | Semi Major Axis  |                     | Offset Wellbore Centre |              |              | Distance               |                         |                           |                   |         |                    |  |           |  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Major Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |                    |  |           |  |
| 13,100.00             | 11,201.17             | 12,580.52             | 10,530.25             | 32.64            | 50.70               | -71.20                 | 1,863.55     | -1,083.97    | 2,081.20               | 2,002.71                | 78.49                     | 26.515            |         |                    |  |           |  |
| 13,200.00             | 11,200.30             | 12,653.68             | 10,530.34             | 33.72            | 51.47               | -71.21                 | 1,936.71     | -1,083.75    | 2,079.76               | 1,999.45                | 80.31                     | 25.896            |         |                    |  |           |  |
| 13,277.74             | 11,199.63             | 12,714.80             | 10,529.55             | 34.58            | 52.14               | -71.20                 | 1,997.82     | -1,083.91    | 2,079.42               | 1,997.63                | 81.79                     | 25.425            |         |                    |  |           |  |
| 13,300.00             | 11,199.44             | 12,734.56             | 10,529.12             | 34.83            | 52.35               | -71.19                 | 2,017.58     | -1,084.00    | 2,079.43               | 1,997.20                | 82.23                     | 25.287            |         |                    |  |           |  |
| 13,400.00             | 11,198.57             | 12,836.79             | 10,526.32             | 35.95            | 53.50               | -71.14                 | 2,119.78     | -1,084.26    | 2,079.45               | 1,995.04                | 84.40                     | 24.637            |         |                    |  |           |  |
| 13,500.00             | 11,197.70             | 12,941.19             | 10,523.58             | 37.10            | 54.69               | -71.08                 | 2,224.14     | -1,084.51    | 2,079.43               | 1,992.78                | 86.64                     | 24.000            |         |                    |  |           |  |
| 13,600.00             | 11,196.84             | 13,048.77             | 10,521.26             | 38.25            | 55.95               | -71.04                 | 2,331.69     | -1,084.22    | 2,078.75               | 1,989.80                | 88.95                     | 23.370            |         |                    |  |           |  |
| 13,700.00             | 11,195.97             | 13,136.70             | 10,519.06             | 39.42            | 57.00               | -70.99                 | 2,419.60     | -1,084.29    | 2,078.52               | 1,987.44                | 91.08                     | 22.821            |         |                    |  |           |  |
| 13,751.73             | 11,195.52             | 13,188.09             | 10,517.79             | 40.03            | 57.62               | -70.97                 | 2,470.97     | -1,084.45    | 2,078.52               | 1,986.26                | 92.26                     | 22.529            |         |                    |  |           |  |
| 13,800.00             | 11,195.10             | 13,231.38             | 10,516.65             | 40.60            | 58.15               | -70.95                 | 2,514.24     | -1,084.60    | 2,078.56               | 1,985.25                | 93.32                     | 22.275            |         |                    |  |           |  |
| 13,900.00             | 11,194.24             | 13,314.74             | 10,513.02             | 41.79            | 59.18               | -70.87                 | 2,597.52     | -1,084.84    | 2,079.16               | 1,983.72                | 95.44                     | 21.786            |         |                    |  |           |  |
| 14,000.00             | 11,193.37             | 13,394.00             | 10,508.48             | 42.99            | 60.18               | -70.77                 | 2,676.65     | -1,085.59    | 2,080.80               | 1,983.28                | 97.52                     | 21.337            |         |                    |  |           |  |
| 14,100.00             | 11,192.50             | 13,494.69             | 10,502.15             | 44.21            | 61.47               | -70.63                 | 2,777.13     | -1,086.87    | 2,082.99               | 1,983.12                | 99.87                     | 20.858            |         |                    |  |           |  |
| 14,200.00             | 11,191.64             | 13,628.15             | 10,496.60             | 45.43            | 63.19               | -70.52                 | 2,910.46     | -1,088.15    | 2,084.16               | 1,981.52                | 102.64                    | 20.306            |         |                    |  |           |  |
| 14,300.00             | 11,190.77             | 13,739.31             | 10,492.84             | 46.66            | 64.65               | -70.43                 | 3,021.55     | -1,088.13    | 2,084.14               | 1,978.97                | 105.17                    | 19.817            |         |                    |  |           |  |
| 14,400.00             | 11,189.91             | 13,845.64             | 10,488.37             | 47.89            | 66.05               | -70.33                 | 3,127.79     | -1,087.54    | 2,083.93               | 1,976.28                | 107.65                    | 19.358            |         |                    |  |           |  |
| 14,500.00             | 11,189.04             | 13,947.75             | 10,484.73             | 49.14            | 67.41               | -70.24                 | 3,229.84     | -1,086.88    | 2,083.41               | 1,973.30                | 110.11                    | 18.922            |         |                    |  |           |  |
| 14,596.89             | 11,188.20             | 14,033.81             | 10,483.11             | 50.35            | 68.58               | -70.21                 | 3,315.88     | -1,087.03    | 2,083.11               | 1,970.73                | 112.38                    | 18.537            |         |                    |  |           |  |
| 14,600.00             | 11,188.17             | 14,036.49             | 10,483.12             | 50.39            | 68.61               | -70.22                 | 3,318.55     | -1,087.06    | 2,083.11               | 1,970.66                | 112.45                    | 18.525            |         |                    |  |           |  |
| 14,700.00             | 11,187.31             | 14,134.33             | 10,484.58             | 51.64            | 69.95               | -70.28                 | 3,416.36     | -1,088.91    | 2,083.27               | 1,968.30                | 114.97                    | 18.120            |         |                    |  |           |  |
| 14,800.00             | 11,186.44             | 14,222.65             | 10,485.02             | 52.91            | 71.17               | -70.32                 | 3,504.67     | -1,090.40    | 2,083.59               | 1,966.23                | 117.37                    | 17.752            |         |                    |  |           |  |
| 14,900.00             | 11,185.57             | 14,319.57             | 10,482.87             | 54.17            | 72.52               | -70.29                 | 3,601.55     | -1,091.68    | 2,084.47               | 1,964.61                | 119.86                    | 17.391            | SF      |                    |  |           |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #112H - OH - OH

| Survey Program: 119-3_MWD |                       | Reference             |                       | Offset           |               | Semi Major Axis  |               | Highside     |              | Offset Wellbore Centre |                        | Distance                |                           | Rule Assigned:    |  | Warning |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------|---------------|--------------|--------------|------------------------|------------------------|-------------------------|---------------------------|-------------------|--|---------|
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Reference (usft) | Offset (usft) | Toolface (°) | +N/-S (usft) | +E/-W (usft)           | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |  |         |
| 0.00                      | 0.00                  | 0.99                  | -0.01                 | 0.00             | 0.00          | -95.17           | -24.00        | -265.00      | 266.08       | 266.08                 | 265.22                 | 0.98                    | 270.320                   |                   |  |         |
| 100.00                    | 100.00                | 100.35                | 99.35                 | 0.84             | 0.14          | -95.21           | -24.19        | -265.11      | 266.21       | 265.22                 | 0.98                   | 270.320                 |                           |                   |  |         |
| 200.00                    | 200.00                | 201.03                | 200.03                | 1.48             | 0.46          | -95.29           | -24.54        | -265.24      | 266.37       | 264.43                 | 1.94                   | 137.443                 |                           |                   |  |         |
| 254.31                    | 254.31                | 255.32                | 254.31                | 1.72             | 0.65          | -95.29           | -24.57        | -265.22      | 266.36       | 263.99                 | 2.36                   | 112.644                 |                           |                   |  |         |
| 300.00                    | 300.00                | 300.87                | 299.87                | 1.92             | 0.81          | -95.27           | -24.44        | -265.25      | 266.37       | 263.65                 | 2.72                   | 97.854                  |                           |                   |  |         |
| 400.00                    | 400.00                | 400.59                | 399.58                | 2.28             | 1.15          | -95.10           | -23.70        | -265.42      | 266.48       | 263.05                 | 3.42                   | 77.810                  |                           |                   |  |         |
| 500.00                    | 500.00                | 500.48                | 499.47                | 2.59             | 1.50          | -94.90           | -22.77        | -265.68      | 266.65       | 262.57                 | 4.08                   | 65.327                  |                           |                   |  |         |
| 600.00                    | 600.00                | 602.06                | 601.05                | 2.87             | 1.85          | -94.72           | -21.95        | -265.70      | 266.61       | 261.89                 | 4.72                   | 56.521                  |                           |                   |  |         |
| 700.00                    | 700.00                | 703.97                | 702.95                | 3.12             | 2.21          | -94.53           | -20.98        | -265.01      | 265.86       | 260.53                 | 5.33                   | 49.858                  |                           |                   |  |         |
| 797.67                    | 797.67                | 801.81                | 800.78                | 3.23             | 2.55          | 161.76           | -19.63        | -263.99      | 265.33       | 259.55                 | 5.78                   | 45.881                  |                           |                   |  |         |
| 800.00                    | 800.00                | 804.14                | 803.10                | 3.23             | 2.56          | 161.74           | -19.59        | -263.96      | 265.02       | 259.23                 | 5.79                   | 45.743                  | CC, ES                    |                   |  |         |
| 900.00                    | 899.96                | 903.78                | 902.73                | 3.51             | 2.92          | 162.22           | -18.08        | -262.95      | 266.39       | 259.97                 | 6.42                   | 41.502                  |                           |                   |  |         |
| 1,000.00                  | 999.82                | 1,002.42              | 1,001.36              | 3.77             | 3.27          | 162.78           | -16.86        | -262.25      | 270.60       | 263.57                 | 7.03                   | 38.498                  |                           |                   |  |         |
| 1,100.00                  | 1,099.51              | 1,101.66              | 1,100.59              | 4.03             | 3.62          | 163.43           | -15.85        | -261.82      | 277.63       | 269.99                 | 7.63                   | 36.373                  |                           |                   |  |         |
| 1,200.00                  | 1,198.96              | 1,200.04              | 1,198.96              | 4.27             | 3.97          | 164.16           | -14.97        | -261.62      | 287.44       | 279.21                 | 8.23                   | 34.945                  |                           |                   |  |         |
| 1,300.00                  | 1,298.11              | 1,301.23              | 1,300.15              | 4.44             | 4.32          | 164.82           | -14.91        | -261.60      | 299.97       | 291.23                 | 8.74                   | 34.306                  |                           |                   |  |         |
| 1,400.00                  | 1,397.13              | 1,408.03              | 1,406.93              | 4.63             | 4.69          | 165.22           | -16.61        | -259.61      | 311.60       | 302.29                 | 9.31                   | 33.486                  |                           |                   |  |         |
| 1,500.00                  | 1,496.16              | 1,518.85              | 1,517.55              | 4.83             | 5.08          | 165.28           | -20.12        | -254.24      | 320.29       | 310.42                 | 9.88                   | 32.434                  |                           |                   |  |         |
| 1,600.00                  | 1,595.19              | 1,627.76              | 1,625.97              | 5.02             | 5.46          | 165.08           | -25.00        | -245.30      | 325.62       | 315.18                 | 10.44                  | 31.191                  |                           |                   |  |         |
| 1,700.00                  | 1,694.21              | 1,730.48              | 1,728.03              | 5.21             | 5.83          | 164.72           | -30.62        | -235.02      | 329.16       | 318.17                 | 10.99                  | 29.940                  |                           |                   |  |         |
| 1,800.00                  | 1,793.24              | 1,829.71              | 1,826.57              | 5.41             | 6.20          | 164.35           | -36.21        | -224.77      | 332.40       | 320.86                 | 11.55                  | 28.789                  |                           |                   |  |         |
| 1,900.00                  | 1,892.27              | 1,927.66              | 1,923.89              | 5.60             | 6.56          | 164.00           | -41.65        | -215.17      | 336.18       | 324.08                 | 12.10                  | 27.787                  |                           |                   |  |         |
| 2,000.00                  | 1,991.30              | 2,028.48              | 2,024.09              | 5.80             | 6.94          | 163.71           | -46.91        | -205.33      | 340.01       | 327.35                 | 12.66                  | 26.859                  |                           |                   |  |         |
| 2,100.00                  | 2,090.32              | 2,127.93              | 2,122.95              | 5.99             | 7.31          | 163.49           | -51.74        | -195.60      | 343.81       | 330.59                 | 13.22                  | 26.011                  |                           |                   |  |         |
| 2,200.00                  | 2,189.35              | 2,228.06              | 2,222.52              | 6.19             | 7.69          | 163.34           | -56.20        | -185.98      | 347.76       | 333.98                 | 13.78                  | 25.238                  |                           |                   |  |         |
| 2,300.00                  | 2,288.38              | 2,330.08              | 2,323.94              | 6.38             | 8.08          | 163.30           | -60.03        | -175.71      | 351.24       | 336.89                 | 14.35                  | 24.483                  |                           |                   |  |         |
| 2,400.00                  | 2,387.40              | 2,431.16              | 2,424.41              | 6.58             | 8.47          | 163.33           | -63.46        | -165.15      | 354.31       | 339.40                 | 14.91                  | 23.762                  |                           |                   |  |         |
| 2,500.00                  | 2,486.43              | 2,531.89              | 2,524.52              | 6.77             | 8.85          | 163.44           | -66.28        | -154.35      | 357.08       | 341.60                 | 15.47                  | 23.075                  |                           |                   |  |         |
| 2,600.00                  | 2,585.46              | 2,634.73              | 2,626.70              | 6.97             | 9.25          | 163.60           | -68.89        | -143.02      | 359.55       | 343.50                 | 16.04                  | 22.411                  |                           |                   |  |         |
| 2,700.00                  | 2,684.48              | 2,735.91              | 2,727.09              | 7.16             | 9.65          | 163.61           | -72.27        | -130.87      | 361.05       | 344.44                 | 16.61                  | 21.735                  |                           |                   |  |         |
| 2,800.00                  | 2,783.51              | 2,836.98              | 2,827.29              | 7.36             | 10.05         | 163.32           | -77.62        | -118.71      | 362.60       | 345.42                 | 17.18                  | 21.102                  |                           |                   |  |         |
| 2,900.00                  | 2,882.54              | 2,936.36              | 2,925.71              | 7.56             | 10.45         | 162.89           | -83.72        | -106.37      | 363.82       | 346.07                 | 17.76                  | 20.491                  |                           |                   |  |         |
| 3,000.00                  | 2,981.57              | 3,036.05              | 3,024.43              | 7.76             | 10.85         | 162.38           | -90.43        | -94.28       | 365.39       | 347.06                 | 18.33                  | 19.933                  |                           |                   |  |         |
| 3,100.00                  | 3,080.59              | 3,137.15              | 3,124.55              | 7.95             | 11.26         | 161.89           | -97.03        | -81.86       | 366.81       | 347.90                 | 18.91                  | 19.397                  |                           |                   |  |         |
| 3,200.00                  | 3,179.62              | 3,234.08              | 3,220.56              | 8.15             | 11.65         | 161.46           | -103.21       | -70.08       | 368.38       | 348.90                 | 19.48                  | 18.908                  |                           |                   |  |         |
| 3,300.00                  | 3,278.65              | 3,333.04              | 3,318.64              | 8.35             | 12.05         | 160.96           | -109.91       | -58.74       | 370.69       | 350.63                 | 20.06                  | 18.478                  |                           |                   |  |         |
| 3,400.00                  | 3,377.67              | 3,435.13              | 3,419.83              | 8.55             | 12.46         | 160.53           | -116.34       | -46.88       | 372.84       | 352.20                 | 20.65                  | 18.059                  |                           |                   |  |         |
| 3,500.00                  | 3,476.70              | 3,531.90              | 3,515.76              | 8.75             | 12.85         | 160.13           | -122.41       | -35.69       | 375.05       | 353.83                 | 21.22                  | 17.674                  |                           |                   |  |         |
| 3,600.00                  | 3,575.73              | 3,632.07              | 3,615.08              | 8.95             | 13.26         | 159.67           | -129.13       | -24.53       | 377.76       | 355.95                 | 21.80                  | 17.325                  |                           |                   |  |         |
| 3,700.00                  | 3,674.75              | 3,729.00              | 3,711.20              | 9.15             | 13.65         | 159.23           | -135.55       | -13.81       | 380.56       | 358.18                 | 22.38                  | 17.005                  |                           |                   |  |         |
| 3,800.00                  | 3,773.78              | 3,825.00              | 3,806.53              | 9.36             | 14.03         | 158.88           | -141.57       | -4.19        | 384.39       | 361.44                 | 22.95                  | 16.750                  |                           |                   |  |         |
| 3,900.00                  | 3,872.81              | 3,921.98              | 3,902.98              | 9.56             | 14.41         | 158.65           | -146.98       | 4.33         | 389.36       | 365.84                 | 23.52                  | 16.558                  |                           |                   |  |         |
| 4,000.00                  | 3,971.84              | 4,028.83              | 4,009.20              | 9.76             | 14.83         | 158.41           | -152.82       | 14.31        | 393.78       | 369.66                 | 24.12                  | 16.326                  |                           |                   |  |         |
| 4,100.00                  | 4,070.86              | 4,136.01              | 4,115.50              | 9.96             | 15.27         | 158.12           | -158.73       | 26.67        | 396.00       | 371.28                 | 24.72                  | 16.018                  |                           |                   |  |         |
| 4,200.00                  | 4,169.89              | 4,233.51              | 4,212.12              | 10.17            | 15.67         | 157.75           | -164.87       | 38.18        | 398.09       | 372.78                 | 25.30                  | 15.732                  |                           |                   |  |         |
| 4,300.00                  | 4,268.92              | 4,332.12              | 4,309.89              | 10.37            | 16.07         | 157.44           | -170.66       | 49.60        | 400.35       | 374.46                 | 25.89                  | 15.466                  |                           |                   |  |         |
| 4,400.00                  | 4,367.94              | 4,429.88              | 4,407.11              | 10.57            | 16.45         | 157.59           | -173.43       | 59.48        | 403.64       | 377.19                 | 26.45                  | 15.261                  |                           |                   |  |         |
| 4,500.00                  | 4,466.97              | 4,540.06              | 4,516.61              | 10.78            | 16.89         | 158.09           | -173.98       | 71.64        | 405.71       | 378.68                 | 27.03                  | 15.010                  |                           |                   |  |         |
| 4,600.00                  | 4,566.00              | 4,652.67              | 4,628.10              | 10.98            | 17.34         | 158.48           | -174.85       | 87.45        | 404.83       | 377.22                 | 27.60                  | 14.665                  |                           |                   |  |         |
| 4,700.00                  | 4,665.02              | 4,748.45              | 4,722.63              | 11.18            | 17.75         | 158.55           | -177.28       | 102.66       | 402.36       | 374.18                 | 28.18                  | 14.279                  |                           |                   |  |         |
| 4,748.90                  | 4,713.45              | 4,791.81              | 4,765.48              | 11.28            | 17.93         | 158.44           | -179.51       | 108.92       | 402.00       | 373.54                 | 28.46                  | 14.126                  |                           |                   |  |         |
| 4,800.00                  | 4,764.05              | 4,836.15              | 4,809.35              | 11.39            | 18.11         | 158.26           | -182.28       | 114.70       | 402.43       | 373.69                 | 28.75                  | 13.999                  |                           |                   |  |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #112H - OH - OH

| Survey Program: 119-3_MWD   |                             | Reference                   |                             | Offset              |                  | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 4,900.00                    | 4,863.08                    | 4,927.88                    | 4,900.29                    | 11.59               | 18.49            | 157.82              |                  |                             | -188.84                | 124.77          | 405.43                       | 376.11                        | 29.31                           | 13.831               |         |
| 5,000.00                    | 4,962.10                    | 5,022.57                    | 4,994.32                    | 11.80               | 18.87            | 157.47              |                  |                             | -195.11                | 133.89          | 409.75                       | 379.86                        | 29.88                           | 13.713               |         |
| 5,100.00                    | 5,061.13                    | 5,117.88                    | 5,089.16                    | 12.00               | 19.24            | 157.28              |                  |                             | -200.50                | 141.64          | 415.41                       | 384.97                        | 30.44                           | 13.647               |         |
| 5,200.00                    | 5,160.16                    | 5,214.33                    | 5,185.25                    | 12.20               | 19.61            | 157.21              |                  |                             | -205.18                | 148.55          | 421.92                       | 390.93                        | 31.00                           | 13.612               |         |
| 5,300.00                    | 5,259.19                    | 5,313.26                    | 5,283.87                    | 12.41               | 19.98            | 157.20              |                  |                             | -209.66                | 154.94          | 429.08                       | 397.52                        | 31.56                           | 13.595               |         |
| 5,400.00                    | 5,358.21                    | 5,411.39                    | 5,381.72                    | 12.61               | 20.35            | 157.25              |                  |                             | -213.72                | 161.16          | 436.30                       | 404.18                        | 32.12                           | 13.584               |         |
| 5,500.00                    | 5,457.24                    | 5,511.02                    | 5,481.11                    | 12.82               | 20.72            | 157.36              |                  |                             | -217.39                | 167.04          | 443.89                       | 411.21                        | 32.68                           | 13.582               |         |
| 5,600.00                    | 5,556.27                    | 5,617.79                    | 5,587.56                    | 13.02               | 21.13            | 157.42              |                  |                             | -221.65                | 174.12          | 450.81                       | 417.52                        | 33.29                           | 13.543               |         |
| 5,700.00                    | 5,655.29                    | 5,721.52                    | 5,690.75                    | 13.23               | 21.53            | 157.22              |                  |                             | -227.56                | 182.84          | 456.22                       | 422.33                        | 33.89                           | 13.463               |         |
| 5,800.00                    | 5,754.32                    | 5,823.19                    | 5,791.81                    | 13.43               | 21.94            | 156.95              |                  |                             | -233.93                | 192.01          | 461.10                       | 426.62                        | 34.48                           | 13.372               |         |
| 5,900.00                    | 5,853.35                    | 5,917.11                    | 5,885.24                    | 13.64               | 22.31            | 156.80              |                  |                             | -239.05                | 199.98          | 466.40                       | 431.37                        | 35.04                           | 13.312               |         |
| 6,000.00                    | 5,952.37                    | 6,014.26                    | 5,982.06                    | 13.84               | 22.68            | 156.84              |                  |                             | -242.97                | 207.03          | 472.71                       | 437.12                        | 35.59                           | 13.281               |         |
| 6,100.00                    | 6,051.40                    | 6,114.91                    | 6,082.39                    | 14.05               | 23.06            | 156.94              |                  |                             | -246.63                | 214.08          | 479.19                       | 443.03                        | 36.16                           | 13.251               |         |
| 6,200.00                    | 6,150.43                    | 6,214.45                    | 6,181.63                    | 14.25               | 23.44            | 157.05              |                  |                             | -250.05                | 221.11          | 485.59                       | 448.86                        | 36.73                           | 13.222               |         |
| 6,300.00                    | 6,249.46                    | 6,312.67                    | 6,279.56                    | 14.46               | 23.81            | 157.17              |                  |                             | -253.37                | 227.85          | 492.18                       | 454.89                        | 37.28                           | 13.201               |         |
| 6,400.00                    | 6,348.48                    | 6,411.86                    | 6,378.50                    | 14.66               | 24.18            | 157.35              |                  |                             | -256.24                | 234.35          | 499.00                       | 461.16                        | 37.84                           | 13.187               |         |
| 6,500.00                    | 6,447.51                    | 6,512.31                    | 6,478.68                    | 14.86               | 24.56            | 157.54              |                  |                             | -258.96                | 241.06          | 505.68                       | 467.28                        | 38.40                           | 13.168               |         |
| 6,600.00                    | 6,546.54                    | 6,604.36                    | 6,570.55                    | 15.07               | 24.90            | 157.76              |                  |                             | -261.13                | 246.42          | 513.17                       | 474.25                        | 38.92                           | 13.186               |         |
| 6,700.00                    | 6,645.56                    | 6,690.00                    | 6,656.11                    | 15.27               | 25.21            | 158.09              |                  |                             | -262.15                | 249.99          | 522.22                       | 482.85                        | 39.37                           | 13.264               |         |
| 6,800.00                    | 6,744.59                    | 6,785.00                    | 6,751.09                    | 15.48               | 25.52            | 158.57              |                  |                             | -262.45                | 251.48          | 533.65                       | 493.79                        | 39.86                           | 13.388               |         |
| 6,900.00                    | 6,843.62                    | 6,889.20                    | 6,835.29                    | 15.68               | 25.78            | 159.02              |                  |                             | -262.61                | 250.78          | 547.39                       | 507.15                        | 40.25                           | 13.601               |         |
| 7,000.00                    | 6,942.64                    | 6,988.43                    | 6,934.51                    | 15.89               | 26.08            | 159.48              |                  |                             | -263.20                | 249.27          | 561.98                       | 521.23                        | 40.75                           | 13.791               |         |
| 7,100.00                    | 7,041.67                    | 7,087.94                    | 7,034.01                    | 16.09               | 26.38            | 159.91              |                  |                             | -264.00                | 247.97          | 576.42                       | 535.16                        | 41.26                           | 13.970               |         |
| 7,200.00                    | 7,140.70                    | 7,186.42                    | 7,134.48                    | 16.30               | 26.69            | 160.31              |                  |                             | -264.75                | 246.84          | 590.71                       | 548.92                        | 41.78                           | 14.137               |         |
| 7,300.00                    | 7,239.73                    | 7,286.65                    | 7,234.70                    | 16.50               | 27.01            | 160.69              |                  |                             | -265.57                | 246.00          | 604.73                       | 562.43                        | 42.31                           | 14.294               |         |
| 7,400.00                    | 7,338.75                    | 7,383.91                    | 7,329.94                    | 16.71               | 27.31            | 161.03              |                  |                             | -266.42                | 244.98          | 619.04                       | 576.24                        | 42.79                           | 14.466               |         |
| 7,500.00                    | 7,437.83                    | 7,482.48                    | 7,428.50                    | 16.89               | 27.62            | 161.39              |                  |                             | -267.41                | 243.64          | 633.28                       | 590.00                        | 43.28                           | 14.632               |         |
| 7,600.00                    | 7,537.20                    | 7,580.73                    | 7,526.74                    | 17.07               | 27.92            | 161.70              |                  |                             | -268.15                | 242.12          | 645.49                       | 601.70                        | 43.79                           | 14.741               |         |
| 7,700.00                    | 7,636.83                    | 7,683.34                    | 7,629.34                    | 17.24               | 28.25            | 161.92              |                  |                             | -269.08                | 240.81          | 654.98                       | 610.66                        | 44.32                           | 14.777               |         |
| 7,800.00                    | 7,736.65                    | 7,783.62                    | 7,729.61                    | 17.38               | 28.56            | 162.05              |                  |                             | -269.85                | 239.75          | 661.77                       | 616.93                        | 44.83                           | 14.761               |         |
| 7,900.00                    | 7,836.59                    | 7,883.96                    | 7,829.94                    | 17.51               | 28.88            | 162.10              |                  |                             | -270.59                | 238.76          | 666.00                       | 620.67                        | 45.33                           | 14.694               |         |
| 8,000.00                    | 7,936.58                    | 7,983.04                    | 7,929.01                    | 17.56               | 29.20            | -93.91              |                  |                             | -271.52                | 237.83          | 667.76                       | 622.05                        | 45.71                           | 14.607               |         |
| 8,100.00                    | 8,036.58                    | 8,081.88                    | 8,027.84                    | 17.60               | 29.51            | -93.94              |                  |                             | -272.00                | 236.55          | 669.09                       | 623.01                        | 46.08                           | 14.521               |         |
| 8,200.00                    | 8,136.58                    | 8,184.18                    | 8,130.13                    | 17.64               | 29.84            | -93.97              |                  |                             | -272.39                | 235.43          | 670.21                       | 623.75                        | 46.46                           | 14.425               |         |
| 8,300.00                    | 8,236.58                    | 8,282.87                    | 8,228.81                    | 17.68               | 30.15            | -93.89              |                  |                             | -271.48                | 234.44          | 671.15                       | 624.33                        | 46.82                           | 14.336               |         |
| 8,400.00                    | 8,336.58                    | 8,382.19                    | 8,328.11                    | 17.72               | 30.46            | -93.77              |                  |                             | -270.16                | 233.01          | 672.50                       | 625.32                        | 47.17                           | 14.256               |         |
| 8,500.00                    | 8,436.58                    | 8,486.91                    | 8,432.82                    | 17.77               | 30.80            | -93.63              |                  |                             | -268.60                | 231.90          | 673.46                       | 625.89                        | 47.57                           | 14.158               |         |
| 8,600.00                    | 8,536.58                    | 8,577.70                    | 8,543.60                    | 17.81               | 31.16            | -93.64              |                  |                             | -268.74                | 232.06          | 673.33                       | 625.31                        | 48.02                           | 14.022               |         |
| 8,700.00                    | 8,636.58                    | 8,680.67                    | 8,646.56                    | 17.85               | 31.52            | -93.70              |                  |                             | -269.32                | 233.53          | 671.94                       | 623.51                        | 48.43                           | 13.875               |         |
| 8,800.00                    | 8,736.58                    | 8,777.70                    | 8,743.57                    | 17.89               | 31.86            | -93.77              |                  |                             | -270.11                | 234.84          | 670.65                       | 621.84                        | 48.81                           | 13.741               |         |
| 8,900.00                    | 8,836.58                    | 8,877.17                    | 8,843.04                    | 17.93               | 32.20            | -93.82              |                  |                             | -270.64                | 235.86          | 669.66                       | 620.47                        | 49.20                           | 13.612               |         |
| 9,000.00                    | 8,936.58                    | 8,974.80                    | 8,940.67                    | 17.98               | 32.54            | -93.83              |                  |                             | -270.67                | 236.64          | 668.87                       | 619.29                        | 49.57                           | 13.493               |         |
| 9,100.00                    | 9,036.58                    | 9,073.00                    | 9,038.87                    | 18.02               | 32.87            | -93.82              |                  |                             | -270.48                | 237.04          | 668.44                       | 618.50                        | 49.95                           | 13.383               |         |
| 9,176.60                    | 9,113.18                    | 9,147.31                    | 9,113.18                    | 18.05               | 33.12            | -93.81              |                  |                             | -270.46                | 237.13          | 668.35                       | 618.13                        | 50.23                           | 13.307               |         |
| 9,200.00                    | 9,136.58                    | 9,170.30                    | 9,136.16                    | 18.06               | 33.20            | -93.82              |                  |                             | -270.52                | 237.12          | 668.36                       | 618.05                        | 50.31                           | 13.284               |         |
| 9,300.00                    | 9,236.58                    | 9,272.46                    | 9,238.33                    | 18.11               | 33.55            | -93.84              |                  |                             | -270.78                | 237.28          | 668.23                       | 617.51                        | 50.72                           | 13.176               |         |
| 9,352.66                    | 9,289.25                    | 9,323.40                    | 9,289.27                    | 18.13               | 33.72            | -93.84              |                  |                             | -270.72                | 237.34          | 668.16                       | 617.25                        | 50.91                           | 13.125               |         |
| 9,400.00                    | 9,336.58                    | 9,370.02                    | 9,335.88                    | 18.15               | 33.87            | -93.81              |                  |                             | -270.43                | 237.28          | 668.20                       | 617.12                        | 51.08                           | 13.081               |         |
| 9,500.00                    | 9,436.58                    | 9,473.65                    | 9,439.51                    | 18.20               | 34.21            | -93.70              |                  |                             | -269.14                | 237.42          | 667.98                       | 616.50                        | 51.48                           | 12.976               |         |
| 9,600.00                    | 9,536.58                    | 9,573.23                    | 9,539.05                    | 18.24               | 34.54            | -93.49              |                  |                             | -266.63                | 237.66          | 667.58                       | 615.74                        | 51.85                           | 12.876               |         |
| 9,700.00                    | 9,636.58                    | 9,674.44                    | 9,640.22                    | 18.29               | 34.87            | -93.23              |                  |                             | -263.59                | 237.89          | 667.18                       | 614.96                        | 52.22                           | 12.776               |         |
| 9,800.00                    | 9,736.58                    | 9,776.41                    | 9,742.12                    | 18.33               | 35.21            | -92.92              |                  |                             | -259.94                | 238.48          | 666.40                       | 613.80                        | 52.60                           | 12.669               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #112H - OH - OH

| Survey Program: 119-3_MWD   |                             |                             |                             |                     |                  | Rule Assigned:              |                        |                 |                              |                               |                                 | Offset Well Error:   |         | 0.00 usft |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|-----------|
| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |           |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |           |
| 9,900.00                    | 9,836.58                    | 9,874.67                    | 9,840.25                    | 18.38               | 35.53            | -92.50                      | -255.08                | 238.95          | 665.69                       | 612.73                        | 52.96                           | 12.570               |         |           |
| 9,972.26                    | 9,908.84                    | 9,943.35                    | 9,908.84                    | 18.41               | 35.75            | -92.20                      | -251.49                | 239.06          | 665.43                       | 612.23                        | 53.20                           | 12.508               |         |           |
| 10,000.00                   | 9,936.58                    | 9,968.52                    | 9,933.97                    | 18.43               | 35.83            | -92.07                      | -250.06                | 238.96          | 665.48                       | 612.20                        | 53.28                           | 12.489               |         |           |
| 10,100.00                   | 10,036.58                   | 10,082.19                   | 10,047.16                   | 18.47               | 36.19            | -91.23                      | -240.25                | 238.43          | 665.81                       | 612.10                        | 53.71                           | 12.396               |         |           |
| 10,178.80                   | 10,115.39                   | 10,152.32                   | 10,115.39                   | 18.51               | 36.40            | -89.85                      | -224.26                | 238.93          | 665.07                       | 611.16                        | 53.90                           | 12.338               |         |           |
| 10,200.00                   | 10,136.58                   | 10,169.91                   | 10,132.17                   | 18.52               | 36.45            | -89.40                      | -219.01                | 238.91          | 665.14                       | 611.19                        | 53.94                           | 12.330               |         |           |
| 10,300.00                   | 10,236.58                   | 10,248.48                   | 10,205.19                   | 18.57               | 36.65            | -86.92                      | -190.12                | 238.01          | 667.69                       | 613.62                        | 54.07                           | 12.348               |         |           |
| 10,400.00                   | 10,336.58                   | 10,319.24                   | 10,267.37                   | 18.61               | 36.80            | -84.06                      | -156.50                | 236.09          | 675.07                       | 621.00                        | 54.08                           | 12.483               |         |           |
| 10,500.00                   | 10,436.58                   | 10,392.25                   | 10,327.00                   | 18.66               | 36.94            | -80.55                      | -114.49                | 233.99          | 688.00                       | 633.98                        | 54.02                           | 12.736               |         |           |
| 10,600.00                   | 10,536.58                   | 10,454.89                   | 10,373.58                   | 18.71               | 37.03            | -77.13                      | -72.69                 | 232.93          | 707.39                       | 653.59                        | 53.81                           | 13.147               |         |           |
| 10,700.00                   | 10,636.58                   | 10,506.00                   | 10,407.56                   | 18.76               | 37.10            | -74.08                      | -34.54                 | 232.93          | 734.46                       | 681.05                        | 53.42                           | 13.750               |         |           |
| 10,800.00                   | 10,736.14                   | 10,541.94                   | 10,429.40                   | 18.83               | 37.13            | -68.34                      | -6.00                  | 232.83          | 767.75                       | 714.95                        | 52.80                           | 14.542               |         |           |
| 10,900.00                   | 10,832.81                   | 10,602.00                   | 10,462.74                   | 18.88               | 37.18            | -62.27                      | 43.90                  | 230.96          | 803.54                       | 751.15                        | 52.38                           | 15.339               |         |           |
| 11,000.00                   | 10,923.66                   | 10,602.00                   | 10,462.74                   | 18.91               | 37.18            | -59.04                      | 43.90                  | 230.96          | 838.30                       | 786.91                        | 51.39                           | 16.311               |         |           |
| 11,100.00                   | 11,005.93                   | 10,667.73                   | 10,493.88                   | 18.96               | 37.20            | -54.42                      | 101.64                 | 227.38          | 870.11                       | 818.99                        | 51.12                           | 17.021               |         |           |
| 11,200.00                   | 11,077.11                   | 10,697.00                   | 10,505.68                   | 19.07               | 37.21            | -51.46                      | 128.35                 | 225.56          | 898.83                       | 848.26                        | 50.57                           | 17.773               |         |           |
| 11,300.00                   | 11,135.05                   | 10,759.64                   | 10,525.71                   | 19.25               | 37.23            | -48.76                      | 187.56                 | 222.15          | 921.98                       | 871.58                        | 50.40                           | 18.293               |         |           |
| 11,400.00                   | 11,177.98                   | 10,793.00                   | 10,533.16                   | 19.50               | 37.34            | -47.07                      | 220.04                 | 220.84          | 939.92                       | 889.78                        | 50.14                           | 18.746               |         |           |
| 11,500.00                   | 11,204.59                   | 10,843.00                   | 10,539.85                   | 19.84               | 37.49            | -45.88                      | 269.55                 | 219.56          | 951.57                       | 901.46                        | 50.11                           | 18.990               |         |           |
| 11,600.00                   | 11,214.09                   | 10,910.10                   | 10,541.03                   | 20.26               | 37.72            | -45.27                      | 336.61                 | 219.55          | 956.44                       | 906.18                        | 50.26                           | 19.030               |         |           |
| 11,700.00                   | 11,213.30                   | 10,994.93                   | 10,538.42                   | 20.76               | 38.05            | -45.12                      | 421.39                 | 220.45          | 956.68                       | 906.16                        | 50.52                           | 18.937               |         |           |
| 11,800.00                   | 11,212.44                   | 11,087.53                   | 10,532.92                   | 21.31               | 38.46            | -44.82                      | 513.80                 | 222.21          | 958.29                       | 907.43                        | 50.86                           | 18.841               |         |           |
| 11,900.00                   | 11,211.57                   | 11,225.08                   | 10,529.07                   | 21.92               | 39.16            | -44.49                      | 651.23                 | 225.95          | 956.79                       | 905.26                        | 51.53                           | 18.567               |         |           |
| 12,000.00                   | 11,210.70                   | 11,315.44                   | 10,527.99                   | 22.59               | 39.67            | -44.37                      | 741.56                 | 227.67          | 955.09                       | 903.00                        | 52.09                           | 18.336               |         |           |
| 12,088.34                   | 11,209.94                   | 11,392.85                   | 10,526.50                   | 23.22               | 40.14            | -44.28                      | 818.95                 | 228.50          | 954.56                       | 901.93                        | 52.63                           | 18.137               |         |           |
| 12,100.00                   | 11,209.84                   | 11,402.88                   | 10,526.21                   | 23.31               | 40.21            | -44.26                      | 828.97                 | 228.61          | 954.57                       | 901.87                        | 52.70                           | 18.112               |         |           |
| 12,200.00                   | 11,208.97                   | 11,498.92                   | 10,522.23                   | 24.07               | 40.86            | -44.03                      | 924.92                 | 230.00          | 955.30                       | 901.88                        | 53.42                           | 17.883               |         |           |
| 12,300.00                   | 11,208.10                   | 11,603.96                   | 10,519.13                   | 24.88               | 41.62            | -43.85                      | 1,029.90               | 231.23          | 955.37                       | 901.07                        | 54.30                           | 17.595               |         |           |
| 12,400.00                   | 11,207.24                   | 11,692.23                   | 10,516.51                   | 25.73               | 42.30            | -43.71                      | 1,118.14               | 231.79          | 955.88                       | 900.76                        | 55.12                           | 17.343               |         |           |
| 12,500.00                   | 11,206.37                   | 11,797.33                   | 10,512.48                   | 26.63               | 43.15            | -43.56                      | 1,223.15               | 231.42          | 957.71                       | 901.56                        | 56.15                           | 17.056               |         |           |
| 12,600.00                   | 11,205.50                   | 11,906.45                   | 10,511.64                   | 27.55               | 44.09            | -43.55                      | 1,332.27               | 230.74          | 957.42                       | 900.07                        | 57.35                           | 16.694               |         |           |
| 12,625.20                   | 11,205.29                   | 11,929.97                   | 10,511.48                   | 27.79               | 44.30            | -43.56                      | 1,355.79               | 230.52          | 957.39                       | 899.77                        | 57.62                           | 16.615               |         |           |
| 12,700.00                   | 11,204.64                   | 11,993.86                   | 10,510.70                   | 28.51               | 44.88            | -43.56                      | 1,419.67               | 229.70          | 957.80                       | 899.41                        | 58.39                           | 16.404               |         |           |
| 12,800.00                   | 11,203.77                   | 12,078.58                   | 10,508.74                   | 29.51               | 45.68            | -43.55                      | 1,504.35               | 227.89          | 959.73                       | 900.29                        | 59.44                           | 16.146               |         |           |
| 12,900.00                   | 11,202.90                   | 12,197.27                   | 10,505.67                   | 30.52               | 46.84            | -43.57                      | 1,622.94               | 224.54          | 962.47                       | 901.50                        | 60.97                           | 15.786               |         |           |
| 13,000.00                   | 11,202.04                   | 12,307.19                   | 10,506.36                   | 31.57               | 47.95            | -43.69                      | 1,732.84               | 222.25          | 962.18                       | 899.67                        | 62.51                           | 15.393               |         |           |
| 13,069.60                   | 11,201.43                   | 12,374.43                   | 10,507.19                   | 32.31               | 48.66            | -43.81                      | 1,800.05               | 220.28          | 962.12                       | 898.60                        | 63.52                           | 15.148               |         |           |
| 13,100.00                   | 11,201.17                   | 12,404.59                   | 10,507.46                   | 32.64               | 48.98            | -43.86                      | 1,830.19               | 219.46          | 962.12                       | 898.15                        | 63.97                           | 15.040               |         |           |
| 13,200.00                   | 11,200.30                   | 12,499.32                   | 10,507.76                   | 33.72               | 50.00            | -43.97                      | 1,924.89               | 217.19          | 962.33                       | 896.91                        | 65.42                           | 14.710               |         |           |
| 13,300.00                   | 11,199.44                   | 12,594.23                   | 10,507.39                   | 34.83               | 51.06            | -44.06                      | 2,019.77               | 214.65          | 963.24                       | 896.33                        | 66.91                           | 14.396               |         |           |
| 13,400.00                   | 11,198.57                   | 12,687.91                   | 10,506.07                   | 35.95               | 52.12            | -44.09                      | 2,113.42               | 212.53          | 964.60                       | 896.21                        | 68.39                           | 14.104               |         |           |
| 13,500.00                   | 11,197.70                   | 12,779.40                   | 10,503.57                   | 37.10               | 53.19            | -44.07                      | 2,204.85               | 210.60          | 966.80                       | 896.96                        | 69.84                           | 13.842               |         |           |
| 13,600.00                   | 11,196.84                   | 12,869.89                   | 10,499.50                   | 38.25               | 54.27            | -43.96                      | 2,295.24               | 209.18          | 969.91                       | 898.65                        | 71.25                           | 13.612               |         |           |
| 13,700.00                   | 11,195.97                   | 12,989.92                   | 10,493.58                   | 39.42               | 55.73            | -43.79                      | 2,415.10               | 207.47          | 973.37                       | 900.25                        | 73.12                           | 13.312               |         |           |
| 13,800.00                   | 11,195.10                   | 13,114.21                   | 10,491.58                   | 40.60               | 57.27            | -43.72                      | 2,539.37               | 207.20          | 973.40                       | 898.26                        | 75.14                           | 12.954               |         |           |
| 13,900.00                   | 11,194.24                   | 13,210.75                   | 10,490.21                   | 41.79               | 58.49            | -43.64                      | 2,635.90               | 207.84          | 972.73                       | 895.98                        | 76.75                           | 12.674               |         |           |
| 14,000.00                   | 11,193.37                   | 13,327.05                   | 10,489.94                   | 42.99               | 59.98            | -43.58                      | 2,752.19               | 208.75          | 971.11                       | 892.39                        | 78.72                           | 12.337               |         |           |
| 14,100.00                   | 11,192.50                   | 13,426.29                   | 10,490.50                   | 44.21               | 61.26            | -43.56                      | 2,851.42               | 209.66          | 968.85                       | 888.38                        | 80.47                           | 12.040               |         |           |
| 14,200.00                   | 11,191.64                   | 13,519.88                   | 10,490.26                   | 45.43               | 62.49            | -43.50                      | 2,945.00               | 210.90          | 966.90                       | 884.78                        | 82.11                           | 11.776               |         |           |
| 14,300.00                   | 11,190.77                   | 13,616.29                   | 10,488.98                   | 46.66               | 63.77            | -43.40                      | 3,041.40               | 211.87          | 965.92                       | 882.13                        | 83.79                           | 11.528               |         |           |
| 14,400.00                   | 11,189.91                   | 13,732.28                   | 10,489.62                   | 47.89               | 65.33            | -43.38                      | 3,157.38               | 212.94          | 963.62                       | 877.75                        | 85.87                           | 11.222               |         |           |
| 14,500.00                   | 11,189.04                   | 13,826.32                   | 10,490.32                   | 49.14               | 66.61            | -43.35                      | 3,251.41               | 214.23          | 960.92                       | 873.31                        | 87.60                           | 10.969               |         |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #112H - OH - OH

| Survey Program: 119-3_MWD |                       | Rule Assigned:        |                       |                  |                     |                        |              |              | Offset Well Error: 0.00 usft |                         |                           |                   |         |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------|-------------------------|---------------------------|-------------------|---------|
| Reference                 |                       | Offset                |                       | Semi Major Axis  |                     | Offset Wellbore Centre |              | Distance     |                              | Warning                 |                           |                   |         |
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Major Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft)       | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 14,600.00                 | 11,188.17             | 13,922.01             | 10,489.66             | 50.39            | 67.91               | -43.26                 | 3,347.08     | 215.59       | 959.21                       | 869.88                  | 89.32                     | 10.738            |         |
| 14,700.00                 | 11,187.31             | 14,018.35             | 10,488.65             | 51.64            | 69.24               | -43.14                 | 3,443.40     | 217.48       | 957.41                       | 866.38                  | 91.03                     | 10.517            |         |
| 14,800.00                 | 11,186.44             | 14,120.27             | 10,486.73             | 52.91            | 70.66               | -42.98                 | 3,545.28     | 219.29       | 956.35                       | 863.55                  | 92.80                     | 10.305            |         |
| 14,900.00                 | 11,185.57             | 14,221.22             | 10,486.82             | 54.17            | 72.08               | -42.94                 | 3,646.23     | 220.23       | 954.43                       | 859.73                  | 94.69                     | 10.079            |         |
| 15,000.00                 | 11,184.71             | 14,315.91             | 10,486.17             | 55.44            | 73.42               | -42.87                 | 3,740.91     | 221.04       | 953.11                       | 856.65                  | 96.46                     | 9.881             |         |
| 15,100.00                 | 11,183.84             | 14,411.34             | 10,484.48             | 56.72            | 74.77               | -42.74                 | 3,836.32     | 222.39       | 952.23                       | 854.05                  | 98.17                     | 9.699             |         |
| 15,200.00                 | 11,182.97             | 14,505.75             | 10,481.60             | 58.00            | 76.13               | -42.54                 | 3,930.67     | 224.27       | 951.90                       | 852.11                  | 99.79                     | 9.539             |         |
| 15,300.00                 | 11,182.11             | 14,609.20             | 10,478.20             | 59.29            | 77.62               | -42.31                 | 4,034.05     | 226.13       | 951.89                       | 850.34                  | 101.55                    | 9.374             |         |
| 15,400.00                 | 11,181.24             | 14,706.83             | 10,476.10             | 60.57            | 79.03               | -42.17                 | 4,131.64     | 227.29       | 951.46                       | 848.17                  | 103.30                    | 9.211             |         |
| 15,417.65                 | 11,181.09             | 14,723.26             | 10,475.72             | 60.80            | 79.27               | -42.15                 | 4,148.07     | 227.42       | 951.45                       | 847.86                  | 103.59                    | 9.185             |         |
| 15,500.00                 | 11,180.37             | 14,799.49             | 10,473.50             | 61.87            | 80.38               | -42.03                 | 4,224.26     | 228.13       | 951.71                       | 846.77                  | 104.95                    | 9.069             |         |
| 15,600.00                 | 11,179.51             | 14,890.08             | 10,469.61             | 63.16            | 81.71               | -41.81                 | 4,314.76     | 229.30       | 952.82                       | 846.36                  | 106.47                    | 8.949             |         |
| 15,700.00                 | 11,178.64             | 14,983.45             | 10,464.60             | 64.46            | 83.08               | -41.56                 | 4,407.99     | 230.30       | 954.89                       | 846.90                  | 107.99                    | 8.842             |         |
| 15,800.00                 | 11,177.77             | 15,094.42             | 10,458.72             | 65.76            | 84.72               | -41.27                 | 4,518.79     | 231.47       | 956.98                       | 847.18                  | 109.80                    | 8.715             |         |
| 15,900.00                 | 11,176.91             | 15,193.81             | 10,456.70             | 67.06            | 86.20               | -41.24                 | 4,618.15     | 230.38       | 958.01                       | 846.29                  | 111.72                    | 8.575             |         |
| 16,000.00                 | 11,176.04             | 15,279.74             | 10,454.80             | 68.37            | 87.48               | -41.25                 | 4,704.04     | 228.47       | 959.92                       | 846.50                  | 113.43                    | 8.463             |         |
| 16,100.00                 | 11,175.17             | 15,369.41             | 10,451.65             | 69.68            | 88.82               | -41.24                 | 4,793.61     | 225.80       | 963.30                       | 848.11                  | 115.19                    | 8.363             |         |
| 16,200.00                 | 11,174.31             | 15,465.56             | 10,447.05             | 70.99            | 90.27               | -41.16                 | 4,889.62     | 223.33       | 967.36                       | 850.37                  | 116.99                    | 8.269             |         |
| 16,300.00                 | 11,173.44             | 15,559.43             | 10,441.80             | 72.30            | 91.68               | -41.04                 | 4,983.32     | 221.28       | 971.79                       | 853.10                  | 118.69                    | 8.188             |         |
| 16,400.00                 | 11,172.57             | 15,655.30             | 10,435.62             | 73.62            | 93.13               | -40.90                 | 5,078.97     | 219.14       | 976.90                       | 856.52                  | 120.38                    | 8.115             |         |
| 16,500.00                 | 11,171.71             | 15,777.54             | 10,428.01             | 74.93            | 94.99               | -40.68                 | 5,200.95     | 217.36       | 981.42                       | 858.87                  | 122.55                    | 8.008             |         |
| 16,600.00                 | 11,170.84             | 15,871.88             | 10,424.52             | 76.25            | 96.42               | -40.64                 | 5,295.20     | 215.13       | 984.55                       | 860.17                  | 124.38                    | 7.916             |         |
| 16,700.00                 | 11,169.97             | 15,990.72             | 10,421.63             | 77.57            | 98.24               | -40.67                 | 5,413.95     | 211.72       | 987.03                       | 860.19                  | 126.84                    | 7.782             |         |
| 16,800.00                 | 11,169.11             | 16,082.05             | 10,419.35             | 78.90            | 99.63               | -40.67                 | 5,505.22     | 209.73       | 989.12                       | 860.44                  | 128.67                    | 7.687             |         |
| 16,900.00                 | 11,168.24             | 16,180.10             | 10,416.16             | 80.22            | 101.13              | -40.63                 | 5,603.20     | 207.71       | 991.70                       | 861.10                  | 130.60                    | 7.594             |         |
| 17,000.00                 | 11,167.37             | 16,281.42             | 10,412.31             | 81.55            | 102.69              | -40.56                 | 5,704.43     | 205.95       | 994.50                       | 861.97                  | 132.53                    | 7.504             |         |
| 17,100.00                 | 11,166.51             | 16,406.76             | 10,409.07             | 82.87            | 104.62              | -40.47                 | 5,829.73     | 204.96       | 995.75                       | 860.83                  | 134.92                    | 7.380             |         |
| 17,200.00                 | 11,165.64             | 16,510.00             | 10,408.58             | 84.20            | 106.21              | -40.47                 | 5,932.96     | 204.44       | 995.19                       | 858.18                  | 137.01                    | 7.264             |         |
| 17,233.69                 | 11,165.35             | 16,540.49             | 10,408.26             | 84.65            | 106.68              | -40.46                 | 5,963.45     | 204.32       | 995.14                       | 857.52                  | 137.62                    | 7.231             |         |
| 17,300.00                 | 11,164.77             | 16,601.23             | 10,407.29             | 85.53            | 107.62              | -40.44                 | 6,024.19     | 204.05       | 995.33                       | 856.51                  | 138.82                    | 7.170             |         |
| 17,400.00                 | 11,163.91             | 16,691.91             | 10,405.34             | 86.86            | 109.02              | -40.39                 | 6,114.84     | 203.22       | 996.33                       | 855.73                  | 140.60                    | 7.086             |         |
| 17,500.00                 | 11,163.04             | 16,780.47             | 10,403.34             | 88.19            | 110.40              | -40.41                 | 6,203.35     | 201.13       | 998.37                       | 855.94                  | 142.43                    | 7.010             |         |
| 17,600.00                 | 11,162.18             | 16,878.15             | 10,399.83             | 89.53            | 111.92              | -40.37                 | 6,300.94     | 198.75       | 1,001.45                     | 857.08                  | 144.37                    | 6.937             |         |
| 17,700.00                 | 11,161.31             | 16,978.47             | 10,397.16             | 90.86            | 113.48              | -40.39                 | 6,401.19     | 196.09       | 1,003.97                     | 857.52                  | 146.45                    | 6.856             |         |
| 17,800.00                 | 11,160.44             | 17,070.76             | 10,394.37             | 92.20            | 114.92              | -40.42                 | 6,493.38     | 192.89       | 1,007.29                     | 858.90                  | 148.39                    | 6.788             |         |
| 17,900.00                 | 11,159.58             | 17,168.87             | 10,390.73             | 93.53            | 116.46              | -40.41                 | 6,591.37     | 189.69       | 1,011.00                     | 860.60                  | 150.40                    | 6.722             |         |
| 18,000.00                 | 11,158.71             | 17,266.01             | 10,389.21             | 94.87            | 117.98              | -40.60                 | 6,688.32     | 183.87       | 1,014.87                     | 862.09                  | 152.77                    | 6.643             |         |
| 18,100.00                 | 11,157.84             | 17,360.65             | 10,387.87             | 96.21            | 119.46              | -40.83                 | 6,782.72     | 177.41       | 1,019.18                     | 864.01                  | 155.16                    | 6.568             |         |
| 18,200.00                 | 11,156.98             | 17,452.85             | 10,385.71             | 97.55            | 120.91              | -41.00                 | 6,874.70     | 171.28       | 1,024.09                     | 866.68                  | 157.41                    | 6.506             |         |
| 18,300.00                 | 11,156.11             | 17,544.15             | 10,382.84             | 98.89            | 122.35              | -41.16                 | 6,965.72     | 164.84       | 1,029.87                     | 870.26                  | 159.61                    | 6.452             |         |
| 18,400.00                 | 11,155.24             | 17,657.18             | 10,378.05             | 100.23           | 124.14              | -41.27                 | 7,078.43     | 157.85       | 1,035.98                     | 873.70                  | 162.28                    | 6.384             |         |
| 18,500.00                 | 11,154.38             | 17,761.91             | 10,375.34             | 101.57           | 125.79              | -41.40                 | 7,182.98     | 152.29       | 1,040.19                     | 875.42                  | 164.77                    | 6.313             |         |
| 18,600.00                 | 11,153.51             | 17,845.24             | 10,372.12             | 102.91           | 127.11              | -41.46                 | 7,266.13     | 147.99       | 1,045.30                     | 878.72                  | 166.58                    | 6.275             |         |
| 18,700.00                 | 11,152.64             | 17,923.42             | 10,367.12             | 104.26           | 128.35              | -41.44                 | 7,344.04     | 143.84       | 1,052.37                     | 884.31                  | 168.06                    | 6.262             | SF      |
| 18,800.00                 | 11,151.78             | 17,975.00             | 10,363.19             | 105.60           | 129.17              | -41.41                 | 7,395.40     | 141.05       | 1,061.53                     | 892.98                  | 168.55                    | 6.298             |         |
| 18,849.18                 | 11,151.35             | 17,975.00             | 10,363.19             | 106.26           | 129.17              | -41.41                 | 7,395.40     | 141.05       | 1,068.83                     | 901.12                  | 167.71                    | 6.373             |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #151H - OH - OH

Survey Program: 52-3\_MWD

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 0.00                        | 0.00                        | 0.99                        | -0.01                       | 0.00                | 0.00             | -98.53                      | -24.00                 | -160.00         | 161.79                       |                               |                                 |                      |         |
| 100.00                      | 100.00                      | 100.67                      | 99.67                       | 0.84                | 0.22             | -98.53                      | -24.02                 | -160.14         | 161.93                       | 160.86                        | 1.06                            | 152.106              |         |
| 200.00                      | 200.00                      | 200.95                      | 199.95                      | 1.48                | 0.57             | -98.55                      | -24.09                 | -160.29         | 162.09                       | 160.03                        | 2.05                            | 78.939               |         |
| 300.00                      | 300.00                      | 301.36                      | 300.36                      | 1.92                | 0.92             | -98.64                      | -24.32                 | -160.15         | 161.98                       | 159.14                        | 2.84                            | 57.017               |         |
| 400.00                      | 400.00                      | 401.66                      | 400.65                      | 2.28                | 1.27             | -98.75                      | -24.59                 | -159.78         | 161.67                       | 158.12                        | 3.55                            | 45.543               |         |
| 500.00                      | 500.00                      | 501.79                      | 500.79                      | 2.59                | 1.63             | -98.84                      | -24.79                 | -159.30         | 161.22                       | 157.00                        | 4.21                            | 38.263               |         |
| 600.00                      | 600.00                      | 602.07                      | 601.06                      | 2.87                | 1.98             | -98.88                      | -24.79                 | -158.71         | 160.64                       | 155.80                        | 4.85                            | 33.149               |         |
| 700.00                      | 700.00                      | 702.44                      | 701.43                      | 3.12                | 2.33             | -98.77                      | -24.39                 | -158.01         | 159.89                       | 154.43                        | 5.45                            | 29.312               |         |
| 800.00                      | 800.00                      | 803.21                      | 802.19                      | 3.23                | 2.68             | 157.46                      | -23.60                 | -156.96         | 159.04                       | 153.13                        | 5.92                            | 26.888               |         |
| 808.56                      | 808.55                      | 811.82                      | 810.81                      | 3.26                | 2.71             | 157.50                      | -23.52                 | -156.85         | 159.04                       | 153.07                        | 5.97                            | 26.646               | CC, ES  |
| 900.00                      | 899.96                      | 903.51                      | 902.47                      | 3.51                | 3.04             | 158.11                      | -22.57                 | -155.53         | 159.91                       | 153.37                        | 6.54                            | 24.461               |         |
| 1,000.00                    | 999.82                      | 1,003.39                    | 1,002.35                    | 3.77                | 3.39             | 159.04                      | -21.61                 | -154.17         | 163.30                       | 156.16                        | 7.15                            | 22.846               |         |
| 1,100.00                    | 1,099.51                    | 1,102.47                    | 1,101.40                    | 4.03                | 3.74             | 160.24                      | -20.59                 | -152.75         | 169.14                       | 161.39                        | 7.75                            | 21.828               |         |
| 1,200.00                    | 1,198.96                    | 1,199.59                    | 1,198.52                    | 4.27                | 4.08             | 161.68                      | -19.38                 | -152.40         | 178.56                       | 170.23                        | 8.33                            | 21.427               |         |
| 1,300.00                    | 1,298.11                    | 1,297.62                    | 1,296.55                    | 4.44                | 4.42             | 163.15                      | -18.41                 | -153.16         | 191.69                       | 182.85                        | 8.84                            | 21.688               |         |
| 1,400.00                    | 1,397.13                    | 1,397.27                    | 1,396.19                    | 4.63                | 4.76             | 164.52                      | -17.60                 | -153.87         | 205.74                       | 196.36                        | 9.38                            | 21.934               |         |
| 1,500.00                    | 1,496.16                    | 1,493.80                    | 1,492.71                    | 4.83                | 5.10             | 165.60                      | -17.09                 | -154.65         | 220.00                       | 210.09                        | 9.91                            | 22.202               |         |
| 1,600.00                    | 1,595.19                    | 1,588.30                    | 1,587.18                    | 5.02                | 5.42             | 166.32                      | -17.46                 | -156.98         | 235.94                       | 225.52                        | 10.42                           | 22.637               |         |
| 1,700.00                    | 1,694.21                    | 1,686.32                    | 1,685.13                    | 5.21                | 5.76             | 166.85                      | -18.32                 | -160.58         | 253.10                       | 242.15                        | 10.95                           | 23.108               |         |
| 1,800.00                    | 1,793.24                    | 1,785.37                    | 1,784.12                    | 5.41                | 6.10             | 167.34                      | -19.13                 | -164.05         | 270.12                       | 258.63                        | 11.49                           | 23.507               |         |
| 1,900.00                    | 1,892.27                    | 1,884.56                    | 1,883.25                    | 5.60                | 6.45             | 167.77                      | -19.93                 | -167.31         | 286.94                       | 274.91                        | 12.03                           | 23.851               |         |
| 2,000.00                    | 1,991.30                    | 1,989.26                    | 1,987.90                    | 5.80                | 6.81             | 168.06                      | -21.42                 | -169.68         | 302.75                       | 290.15                        | 12.60                           | 24.031               |         |
| 2,100.00                    | 2,090.32                    | 2,098.98                    | 2,097.58                    | 5.99                | 7.19             | 168.12                      | -24.32                 | -169.05         | 315.69                       | 302.51                        | 13.18                           | 23.949               |         |
| 2,200.00                    | 2,189.35                    | 2,203.93                    | 2,202.42                    | 6.19                | 7.56             | 168.08                      | -27.68                 | -165.75         | 326.06                       | 312.32                        | 13.74                           | 23.725               |         |
| 2,300.00                    | 2,288.38                    | 2,305.90                    | 2,304.25                    | 6.38                | 7.91             | 168.07                      | -30.80                 | -161.40         | 335.33                       | 321.03                        | 14.30                           | 23.457               |         |
| 2,400.00                    | 2,387.40                    | 2,404.64                    | 2,402.84                    | 6.58                | 8.26             | 168.14                      | -33.41                 | -156.65         | 344.08                       | 329.24                        | 14.84                           | 23.187               |         |
| 2,500.00                    | 2,486.43                    | 2,497.94                    | 2,496.06                    | 6.77                | 8.59             | 168.26                      | -35.50                 | -153.39         | 354.14                       | 338.77                        | 15.36                           | 23.049               |         |
| 2,600.00                    | 2,585.46                    | 2,590.60                    | 2,588.66                    | 6.97                | 8.91             | 168.21                      | -38.50                 | -151.79         | 365.94                       | 350.05                        | 15.88                           | 23.039               |         |
| 2,700.00                    | 2,684.48                    | 2,680.70                    | 2,678.67                    | 7.16                | 9.23             | 167.97                      | -42.63                 | -152.16         | 379.79                       | 363.41                        | 16.38                           | 23.181               |         |
| 2,800.00                    | 2,783.51                    | 2,768.08                    | 2,765.87                    | 7.36                | 9.54             | 167.64                      | -47.29                 | -154.98         | 396.41                       | 379.55                        | 16.86                           | 23.511               |         |
| 2,900.00                    | 2,882.54                    | 2,856.97                    | 2,854.51                    | 7.56                | 9.85             | 167.40                      | -51.45                 | -160.12         | 415.57                       | 398.23                        | 17.34                           | 23.969               |         |
| 3,000.00                    | 2,981.57                    | 2,947.85                    | 2,945.09                    | 7.76                | 10.17            | 167.42                      | -53.87                 | -167.05         | 436.60                       | 418.77                        | 17.82                           | 24.495               |         |
| 3,100.00                    | 3,080.59                    | 3,037.49                    | 3,034.33                    | 7.95                | 10.48            | 167.53                      | -55.52                 | -175.34         | 459.25                       | 440.95                        | 18.30                           | 25.098               |         |
| 3,200.00                    | 3,179.62                    | 3,130.00                    | 3,126.27                    | 8.15                | 10.81            | 167.51                      | -58.19                 | -185.18         | 483.20                       | 464.41                        | 18.80                           | 25.708               |         |
| 3,300.00                    | 3,278.65                    | 3,227.97                    | 3,223.60                    | 8.35                | 11.16            | 167.40                      | -61.72                 | -195.84         | 507.40                       | 488.06                        | 19.34                           | 26.238               |         |
| 3,400.00                    | 3,377.67                    | 3,318.33                    | 3,313.32                    | 8.55                | 11.49            | 167.34                      | -64.69                 | -206.12         | 532.09                       | 512.27                        | 19.82                           | 26.843               |         |
| 3,500.00                    | 3,476.70                    | 3,423.65                    | 3,417.90                    | 8.75                | 11.87            | 167.31                      | -67.85                 | -218.16         | 556.83                       | 536.41                        | 20.42                           | 27.263               |         |
| 3,600.00                    | 3,575.73                    | 3,514.63                    | 3,508.22                    | 8.95                | 12.21            | 167.21                      | -71.37                 | -228.52         | 581.49                       | 560.58                        | 20.92                           | 27.799               |         |
| 3,700.00                    | 3,674.75                    | 3,605.85                    | 3,598.59                    | 9.15                | 12.55            | 166.96                      | -76.46                 | -239.83         | 607.12                       | 585.70                        | 21.42                           | 28.349               |         |
| 3,800.00                    | 3,773.78                    | 3,703.04                    | 3,694.79                    | 9.36                | 12.92            | 166.62                      | -82.82                 | -252.11         | 632.98                       | 611.02                        | 21.96                           | 28.821               |         |
| 3,900.00                    | 3,872.81                    | 3,803.83                    | 3,794.60                    | 9.56                | 13.30            | 166.30                      | -89.50                 | -264.47         | 658.50                       | 635.97                        | 22.54                           | 29.218               |         |
| 4,000.00                    | 3,971.84                    | 3,911.53                    | 3,901.40                    | 9.76                | 13.71            | 166.01                      | -96.29                 | -276.58         | 683.06                       | 659.90                        | 23.16                           | 29.491               |         |
| 4,100.00                    | 4,070.86                    | 4,024.58                    | 4,013.78                    | 9.96                | 14.14            | 165.72                      | -103.53                | -286.53         | 705.17                       | 681.36                        | 23.81                           | 29.611               |         |
| 4,200.00                    | 4,169.89                    | 4,120.83                    | 4,109.42                    | 10.17               | 14.50            | 165.40                      | -110.78                | -294.49         | 726.85                       | 702.49                        | 24.36                           | 29.839               |         |
| 4,300.00                    | 4,268.92                    | 4,215.04                    | 4,202.99                    | 10.37               | 14.86            | 165.06                      | -118.46                | -302.21         | 748.49                       | 723.60                        | 24.89                           | 30.070               |         |
| 4,400.00                    | 4,367.94                    | 4,298.30                    | 4,285.62                    | 10.57               | 15.18            | 164.79                      | -124.96                | -310.22         | 771.53                       | 746.18                        | 25.35                           | 30.433               |         |
| 4,500.00                    | 4,466.97                    | 4,381.51                    | 4,368.07                    | 10.78               | 15.51            | 164.61                      | -130.64                | -319.77         | 796.38                       | 770.57                        | 25.81                           | 30.859               |         |
| 4,600.00                    | 4,566.00                    | 4,476.06                    | 4,461.77                    | 10.98               | 15.87            | 164.54                      | -135.32                | -331.56         | 822.15                       | 795.81                        | 26.34                           | 31.213               |         |
| 4,700.00                    | 4,665.02                    | 4,572.55                    | 4,557.46                    | 11.18               | 16.25            | 164.65                      | -137.50                | -343.69         | 847.97                       | 821.09                        | 26.88                           | 31.544               |         |
| 4,800.00                    | 4,764.05                    | 4,659.60                    | 4,643.72                    | 11.39               | 16.58            | 164.84                      | -138.16                | -355.39         | 874.61                       | 847.25                        | 27.36                           | 31.971               |         |
| 4,900.00                    | 4,863.08                    | 4,804.66                    | 4,787.89                    | 11.59               | 17.13            | 165.20                      | -138.12                | -371.21         | 898.72                       | 870.51                        | 28.21                           | 31.858               |         |
| 5,000.00                    | 4,962.10                    | 4,914.00                    | 4,896.88                    | 11.80               | 17.54            | 165.28                      | -140.89                | -379.31         | 919.48                       | 890.66                        | 28.83                           | 31.898               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #151H - OH - OH

| Survey Program: 52-3_MWD    |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 5,100.00                    | 5,061.13                    | 4,998.95                    | 4,981.45                    | 12.00               | 17.86            | 165.15                      | -146.00                | -385.62         | 940.37                       | 911.07                        | 29.31                           | 32.086               |         |
| 5,200.00                    | 5,160.16                    | 5,076.67                    | 5,058.55                    | 12.20               | 18.17            | 164.94                      | -152.35                | -392.94         | 963.21                       | 933.47                        | 29.74                           | 32.383               |         |
| 5,300.00                    | 5,259.19                    | 5,161.34                    | 5,142.29                    | 12.41               | 18.50            | 164.64                      | -160.44                | -402.53         | 987.94                       | 957.71                        | 30.22                           | 32.688               |         |
| 5,400.00                    | 5,358.21                    | 5,260.92                    | 5,240.79                    | 12.61               | 18.90            | 164.31                      | -169.94                | -413.64         | 1,012.55                     | 981.75                        | 30.80                           | 32.874               |         |
| 5,500.00                    | 5,457.24                    | 5,349.16                    | 5,327.97                    | 12.82               | 19.26            | 164.03                      | -178.57                | -424.25         | 1,038.03                     | 1,006.72                      | 31.30                           | 33.159               |         |
| 5,600.00                    | 5,556.27                    | 5,448.31                    | 5,425.93                    | 13.02               | 19.66            | 163.72                      | -188.21                | -436.12         | 1,063.51                     | 1,031.62                      | 31.88                           | 33.357               |         |
| 5,700.00                    | 5,655.29                    | 5,541.25                    | 5,517.78                    | 13.23               | 20.04            | 163.45                      | -197.12                | -447.18         | 1,088.94                     | 1,056.52                      | 32.42                           | 33.589               |         |
| 5,800.00                    | 5,754.32                    | 5,618.00                    | 5,593.54                    | 13.43               | 20.36            | 163.26                      | -204.14                | -457.21         | 1,115.52                     | 1,082.68                      | 32.85                           | 33.961               |         |
| 5,900.00                    | 5,853.35                    | 5,696.89                    | 5,671.26                    | 13.64               | 20.69            | 163.09                      | -211.08                | -468.82         | 1,143.69                     | 1,110.41                      | 33.29                           | 34.360               |         |
| 6,000.00                    | 5,952.37                    | 5,786.66                    | 5,759.54                    | 13.84               | 21.07            | 162.90                      | -219.06                | -483.08         | 1,173.00                     | 1,139.19                      | 33.80                           | 34.701               |         |
| 6,100.00                    | 6,051.40                    | 5,879.50                    | 5,850.75                    | 14.05               | 21.47            | 162.69                      | -227.73                | -498.01         | 1,202.54                     | 1,168.20                      | 34.34                           | 35.015               |         |
| 6,200.00                    | 6,150.43                    | 5,963.92                    | 5,933.65                    | 14.25               | 21.83            | 162.52                      | -235.35                | -512.00         | 1,232.55                     | 1,197.73                      | 34.82                           | 35.395               |         |
| 6,300.00                    | 6,249.46                    | 6,068.69                    | 6,036.58                    | 14.46               | 22.28            | 162.42                      | -242.94                | -530.03         | 1,263.12                     | 1,227.67                      | 35.45                           | 35.632               |         |
| 6,400.00                    | 6,348.48                    | 6,207.67                    | 6,173.71                    | 14.66               | 22.87            | 162.34                      | -251.70                | -550.79         | 1,291.43                     | 1,255.13                      | 36.29                           | 35.582               |         |
| 6,500.00                    | 6,447.51                    | 6,311.28                    | 6,276.26                    | 14.86               | 23.29            | 162.30                      | -257.74                | -564.36         | 1,317.90                     | 1,281.00                      | 36.90                           | 35.718               |         |
| 6,600.00                    | 6,546.54                    | 6,414.39                    | 6,378.39                    | 15.07               | 23.71            | 162.25                      | -263.86                | -577.11         | 1,343.65                     | 1,306.15                      | 37.50                           | 35.834               |         |
| 6,700.00                    | 6,645.56                    | 6,512.50                    | 6,475.60                    | 15.27               | 24.12            | 162.21                      | -269.81                | -588.99         | 1,369.17                     | 1,331.10                      | 38.07                           | 35.969               |         |
| 6,800.00                    | 6,744.59                    | 6,608.19                    | 6,570.40                    | 15.48               | 24.51            | 162.16                      | -275.78                | -600.52         | 1,394.63                     | 1,356.01                      | 38.62                           | 36.112               |         |
| 6,900.00                    | 6,843.62                    | 6,704.14                    | 6,665.44                    | 15.68               | 24.90            | 162.10                      | -281.80                | -612.25         | 1,420.28                     | 1,381.10                      | 39.18                           | 36.254               |         |
| 7,000.00                    | 6,942.64                    | 6,828.16                    | 6,788.50                    | 15.89               | 25.40            | 162.15                      | -286.91                | -626.77         | 1,445.38                     | 1,405.49                      | 39.89                           | 36.237               |         |
| 7,100.00                    | 7,041.67                    | 7,017.50                    | 6,977.29                    | 16.09               | 26.11            | 162.39                      | -289.75                | -640.29         | 1,465.48                     | 1,424.61                      | 40.87                           | 35.856               |         |
| 7,200.00                    | 7,140.70                    | 7,121.47                    | 7,081.18                    | 16.30               | 26.48            | 162.55                      | -290.40                | -644.39         | 1,482.69                     | 1,441.24                      | 41.44                           | 35.776               |         |
| 7,300.00                    | 7,239.73                    | 7,264.94                    | 7,224.59                    | 16.50               | 26.97            | 162.80                      | -290.03                | -648.08         | 1,498.54                     | 1,456.39                      | 42.15                           | 35.554               |         |
| 7,400.00                    | 7,338.75                    | 7,370.42                    | 7,330.04                    | 16.71               | 27.31            | 163.05                      | -287.81                | -648.93         | 1,512.54                     | 1,469.84                      | 42.70                           | 35.422               |         |
| 7,500.00                    | 7,437.83                    | 7,468.43                    | 7,428.03                    | 16.89               | 27.63            | 163.31                      | -285.77                | -649.63         | 1,526.10                     | 1,482.90                      | 43.20                           | 35.325               |         |
| 7,600.00                    | 7,537.20                    | 7,567.26                    | 7,526.83                    | 17.07               | 27.95            | 163.55                      | -283.80                | -650.36         | 1,537.49                     | 1,493.76                      | 43.73                           | 35.157               |         |
| 7,700.00                    | 7,636.83                    | 7,682.79                    | 7,642.34                    | 17.24               | 28.32            | 163.77                      | -281.73                | -650.90         | 1,546.17                     | 1,501.86                      | 44.30                           | 34.899               |         |
| 7,800.00                    | 7,736.65                    | 7,793.25                    | 7,752.80                    | 17.38               | 28.67            | 163.84                      | -282.16                | -649.94         | 1,551.03                     | 1,506.19                      | 44.84                           | 34.587               |         |
| 7,900.00                    | 7,836.59                    | 7,896.72                    | 7,856.25                    | 17.51               | 29.01            | 163.85                      | -283.24                | -648.70         | 1,553.11                     | 1,507.76                      | 45.35                           | 34.248               |         |
| 8,000.00                    | 7,936.58                    | 7,997.76                    | 7,957.27                    | 17.56               | 29.33            | 163.85                      | -284.52                | -647.34         | 1,552.58                     | 1,506.83                      | 45.75                           | 33.937               |         |
| 8,100.00                    | 8,036.58                    | 8,096.00                    | 8,055.49                    | 17.60               | 29.65            | 163.85                      | -286.04                | -646.03         | 1,551.31                     | 1,505.19                      | 46.12                           | 33.636               |         |
| 8,200.00                    | 8,136.58                    | 8,195.60                    | 8,155.08                    | 17.64               | 29.97            | 163.85                      | -287.12                | -644.80         | 1,550.12                     | 1,503.62                      | 46.49                           | 33.340               |         |
| 8,300.00                    | 8,236.58                    | 8,301.24                    | 8,260.70                    | 17.68               | 30.31            | 163.85                      | -287.78                | -643.29         | 1,548.71                     | 1,501.83                      | 46.88                           | 33.034               |         |
| 8,400.00                    | 8,336.58                    | 8,400.11                    | 8,359.56                    | 17.72               | 30.62            | 163.85                      | -288.21                | -641.74         | 1,547.16                     | 1,499.91                      | 47.25                           | 32.743               |         |
| 8,500.00                    | 8,436.58                    | 8,494.88                    | 8,454.32                    | 17.77               | 30.93            | 163.85                      | -288.42                | -640.49         | 1,545.85                     | 1,498.25                      | 47.61                           | 32.470               |         |
| 8,600.00                    | 8,536.58                    | 8,591.09                    | 8,550.53                    | 17.81               | 31.23            | 163.85                      | -288.22                | -639.52         | 1,544.84                     | 1,496.87                      | 47.97                           | 32.205               |         |
| 8,700.00                    | 8,636.58                    | 8,690.22                    | 8,649.65                    | 17.85               | 31.55            | 163.85                      | -287.57                | -638.71         | 1,544.00                     | 1,495.66                      | 48.34                           | 31.942               |         |
| 8,800.00                    | 8,736.58                    | 8,792.03                    | 8,751.45                    | 17.89               | 31.88            | 163.85                      | -286.53                | -637.80         | 1,543.05                     | 1,494.34                      | 48.71                           | 31.676               |         |
| 8,900.00                    | 8,836.58                    | 8,891.25                    | 8,850.66                    | 17.93               | 32.20            | 163.85                      | -285.26                | -636.94         | 1,542.14                     | 1,493.06                      | 49.08                           | 31.418               |         |
| 9,000.00                    | 8,936.58                    | 8,978.98                    | 8,938.38                    | 17.98               | 32.48            | 163.85                      | -283.86                | -636.26         | 1,541.35                     | 1,491.93                      | 49.42                           | 31.186               |         |
| 9,005.27                    | 8,941.85                    | 8,982.45                    | 8,941.85                    | 17.98               | 32.49            | 163.85                      | -283.81                | -636.26         | 1,541.35                     | 1,491.91                      | 49.44                           | 31.177               |         |
| 9,100.00                    | 9,036.58                    | 9,048.00                    | 9,007.39                    | 18.02               | 32.71            | 163.85                      | -283.32                | -637.00         | 1,542.34                     | 1,492.64                      | 49.71                           | 31.028               |         |
| 9,200.00                    | 9,136.58                    | 9,137.32                    | 9,096.68                    | 18.06               | 33.03            | 163.85                      | -282.99                | -639.15         | 1,544.72                     | 1,494.65                      | 50.06                           | 30.855               |         |
| 9,300.00                    | 9,236.58                    | 9,237.86                    | 9,197.19                    | 18.11               | 33.38            | 163.85                      | -282.26                | -641.77         | 1,547.30                     | 1,496.84                      | 50.46                           | 30.666               |         |
| 9,400.00                    | 9,336.58                    | 9,328.39                    | 9,287.67                    | 18.15               | 33.69            | 163.85                      | -281.29                | -644.39         | 1,550.15                     | 1,499.33                      | 50.81                           | 30.506               |         |
| 9,500.00                    | 9,436.58                    | 9,475.76                    | 9,435.02                    | 18.20               | 34.20            | 163.85                      | -281.00                | -646.15         | 1,551.12                     | 1,499.76                      | 51.36                           | 30.201               |         |
| 9,600.00                    | 9,536.58                    | 9,571.58                    | 9,530.84                    | 18.24               | 34.53            | 163.85                      | -281.27                | -646.35         | 1,551.35                     | 1,499.61                      | 51.74                           | 29.984               |         |
| 9,700.00                    | 9,636.58                    | 9,669.49                    | 9,628.75                    | 18.29               | 34.86            | 163.85                      | -281.16                | -646.83         | 1,551.83                     | 1,499.71                      | 52.12                           | 29.773               |         |
| 9,800.00                    | 9,736.58                    | 9,767.36                    | 9,726.61                    | 18.33               | 35.19            | 163.85                      | -280.41                | -647.37         | 1,552.36                     | 1,499.86                      | 52.50                           | 29.567               |         |
| 9,900.00                    | 9,836.58                    | 9,880.09                    | 9,839.34                    | 18.38               | 35.57            | 163.85                      | -279.66                | -647.93         | 1,552.85                     | 1,499.93                      | 52.93                           | 29.340               |         |
| 10,000.00                   | 9,936.58                    | 9,981.50                    | 9,940.73                    | 18.43               | 35.91            | 163.85                      | -281.24                | -647.46         | 1,552.45                     | 1,499.12                      | 53.32                           | 29.115               |         |
| 10,048.43                   | 9,985.01                    | 10,025.79                   | 9,985.01                    | 18.45               | 36.07            | 163.85                      | -282.26                | -647.35         | 1,552.37                     | 1,498.87                      | 53.50                           | 29.017               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #151H - OH - OH

| Survey Program: 52-3_MWD    |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 10,100.00                   | 10,036.58                   | 10,071.80                   | 10,031.01                   | 18.47               | 36.22            | -92.12                      | -283.32                | -647.40         | 1,552.46                     | 1,498.78                      | 53.69                           | 28.917               |         |
| 10,200.00                   | 10,136.58                   | 10,163.21                   | 10,122.39                   | 18.52               | 36.54            | -92.20                      | -285.49                | -647.92         | 1,553.12                     | 1,499.06                      | 54.06                           | 28.731               |         |
| 10,300.00                   | 10,236.58                   | 10,250.94                   | 10,210.08                   | 18.57               | 36.85            | -92.29                      | -287.98                | -648.92         | 1,554.38                     | 1,499.96                      | 54.42                           | 28.564               |         |
| 10,400.00                   | 10,336.58                   | 10,341.45                   | 10,300.52                   | 18.61               | 37.17            | -92.40                      | -291.11                | -650.68         | 1,556.47                     | 1,501.68                      | 54.79                           | 28.408               |         |
| 10,500.00                   | 10,436.58                   | 10,441.01                   | 10,399.97                   | 18.66               | 37.53            | -92.54                      | -295.19                | -652.91         | 1,558.87                     | 1,503.68                      | 55.19                           | 28.245               |         |
| 10,600.00                   | 10,536.58                   | 10,533.02                   | 10,491.89                   | 18.71               | 37.86            | -92.67                      | -298.67                | -655.00         | 1,561.33                     | 1,505.76                      | 55.57                           | 28.097               |         |
| 10,700.00                   | 10,636.58                   | 10,622.87                   | 10,581.65                   | 18.76               | 38.18            | -92.77                      | -301.45                | -657.82         | 1,564.60                     | 1,508.66                      | 55.94                           | 27.968               |         |
| 10,800.00                   | 10,736.14                   | 10,715.26                   | 10,673.97                   | 18.83               | 38.51            | -92.20                      | -303.11                | -661.15         | 1,568.63                     | 1,512.35                      | 56.28                           | 27.872               |         |
| 10,900.00                   | 10,832.81                   | 10,839.63                   | 10,798.05                   | 18.88               | 38.94            | -92.72                      | -298.19                | -665.29         | 1,572.91                     | 1,516.25                      | 56.67                           | 27.758               |         |
| 11,000.00                   | 10,923.66                   | 10,961.00                   | 10,917.52                   | 18.91               | 39.32            | -93.47                      | -278.25                | -667.76         | 1,576.23                     | 1,519.25                      | 56.98                           | 27.665               |         |
| 11,100.00                   | 11,005.93                   | 11,071.15                   | 11,021.63                   | 18.96               | 39.62            | -94.12                      | -242.75                | -670.12         | 1,579.99                     | 1,522.77                      | 57.21                           | 27.615               |         |
| 11,200.00                   | 11,077.11                   | 11,116.58                   | 11,061.93                   | 19.07               | 39.72            | -93.90                      | -221.95                | -672.41         | 1,587.02                     | 1,529.74                      | 57.28                           | 27.706               |         |
| 11,300.00                   | 11,135.05                   | 11,152.00                   | 11,091.54                   | 19.25               | 39.80            | -93.15                      | -202.78                | -675.52         | 1,598.83                     | 1,541.51                      | 57.32                           | 27.891               |         |
| 11,400.00                   | 11,177.98                   | 11,223.27                   | 11,146.47                   | 19.50               | 39.92            | -92.61                      | -158.33                | -684.34         | 1,614.49                     | 1,557.00                      | 57.49                           | 28.083               |         |
| 11,500.00                   | 11,204.59                   | 11,247.00                   | 11,163.40                   | 19.84               | 39.96            | -90.97                      | -142.09                | -687.90         | 1,634.35                     | 1,576.80                      | 57.55                           | 28.397               |         |
| 11,600.00                   | 11,214.09                   | 11,731.78                   | 11,274.85                   | 20.26               | 40.70            | -92.11                      | 308.43                 | -756.30         | 1,656.82                     | 1,597.54                      | 59.27                           | 27.953               |         |
| 11,700.00                   | 11,213.30                   | 11,853.02                   | 11,279.32                   | 20.76               | 41.12            | -92.28                      | 429.57                 | -757.93         | 1,657.48                     | 1,597.39                      | 60.09                           | 27.582               |         |
| 11,800.00                   | 11,212.44                   | 11,980.10                   | 11,278.25                   | 21.31               | 41.66            | -92.29                      | 556.62                 | -757.27         | 1,655.95                     | 1,594.81                      | 61.14                           | 27.085               |         |
| 11,900.00                   | 11,211.57                   | 12,060.20                   | 11,276.56                   | 21.92               | 42.04            | -92.25                      | 636.71                 | -757.15         | 1,654.89                     | 1,592.82                      | 62.07                           | 26.663               |         |
| 11,951.34                   | 11,211.12                   | 12,103.36                   | 11,275.82                   | 22.26               | 42.27            | -92.24                      | 679.86                 | -757.44         | 1,654.76                     | 1,592.15                      | 62.61                           | 26.431               |         |
| 12,000.00                   | 11,210.70                   | 12,146.44                   | 11,275.26                   | 22.59               | 42.50            | -92.23                      | 722.93                 | -757.92         | 1,654.87                     | 1,591.73                      | 63.14                           | 26.210               |         |
| 12,100.00                   | 11,209.84                   | 12,249.93                   | 11,273.44                   | 23.31               | 43.10            | -92.20                      | 826.40                 | -759.03         | 1,655.03                     | 1,590.58                      | 64.45                           | 25.678               |         |
| 12,200.00                   | 11,208.97                   | 12,347.03                   | 11,270.48                   | 24.07               | 43.73            | -92.13                      | 923.45                 | -760.25         | 1,655.33                     | 1,589.50                      | 65.84                           | 25.142               |         |
| 12,300.00                   | 11,208.10                   | 12,453.95                   | 11,269.75                   | 24.88               | 44.46            | -92.13                      | 1,030.35               | -761.17         | 1,655.33                     | 1,587.92                      | 67.41                           | 24.556               |         |
| 12,359.80                   | 11,207.58                   | 12,511.87                   | 11,270.24                   | 25.39               | 44.88            | -92.17                      | 1,088.27               | -761.60         | 1,655.29                     | 1,586.95                      | 68.34                           | 24.220               |         |
| 12,400.00                   | 11,207.24                   | 12,547.60                   | 11,270.67                   | 25.73               | 45.15            | -92.19                      | 1,124.00               | -761.93         | 1,655.34                     | 1,586.38                      | 68.96                           | 24.005               |         |
| 12,500.00                   | 11,206.37                   | 12,651.95                   | 11,272.26                   | 26.63               | 45.97            | -92.28                      | 1,228.32               | -763.25         | 1,655.84                     | 1,585.14                      | 70.70                           | 23.421               |         |
| 12,600.00                   | 11,205.50                   | 12,765.71                   | 11,272.64                   | 27.55               | 46.91            | -92.33                      | 1,342.08               | -763.32         | 1,655.04                     | 1,582.42                      | 72.62                           | 22.790               |         |
| 12,700.00                   | 11,204.64                   | 12,859.12                   | 11,272.08                   | 28.51               | 47.72            | -92.34                      | 1,435.49               | -763.55         | 1,654.43                     | 1,580.00                      | 74.42                           | 22.231               |         |
| 12,800.00                   | 11,203.77                   | 12,954.28                   | 11,270.64                   | 29.51               | 48.59            | -92.32                      | 1,530.64               | -764.16         | 1,654.17                     | 1,577.86                      | 76.31                           | 21.678               |         |
| 12,839.88                   | 11,203.42                   | 12,992.00                   | 11,270.44                   | 29.91               | 48.94            | -92.32                      | 1,568.36               | -764.45         | 1,654.13                     | 1,577.06                      | 77.07                           | 21.462               |         |
| 12,900.00                   | 11,202.90                   | 13,043.33                   | 11,270.79                   | 30.52               | 49.43            | -92.35                      | 1,619.69               | -764.99         | 1,654.28                     | 1,576.10                      | 78.18                           | 21.159               |         |
| 13,000.00                   | 11,202.04                   | 13,135.82                   | 11,273.07                   | 31.57               | 50.34            | -92.45                      | 1,712.13               | -766.49         | 1,655.17                     | 1,575.02                      | 80.15                           | 20.650               |         |
| 13,100.00                   | 11,201.17                   | 13,234.77                   | 11,274.23                   | 32.64               | 51.34            | -92.52                      | 1,811.06               | -768.24         | 1,656.16                     | 1,573.90                      | 82.26                           | 20.134               |         |
| 13,200.00                   | 11,200.30                   | 13,331.78                   | 11,273.21                   | 33.72               | 52.36            | -92.52                      | 1,908.04               | -770.21         | 1,657.30                     | 1,572.91                      | 84.39                           | 19.639               |         |
| 13,300.00                   | 11,199.44                   | 13,480.73                   | 11,270.76                   | 34.83               | 53.96            | -92.47                      | 2,056.95               | -771.84         | 1,657.71                     | 1,570.48                      | 87.23                           | 19.004               |         |
| 13,400.00                   | 11,198.57                   | 13,592.43                   | 11,266.38                   | 35.95               | 55.21            | -92.36                      | 2,168.56               | -770.58         | 1,655.58                     | 1,565.92                      | 89.66                           | 18.465               |         |
| 13,500.00                   | 11,197.70                   | 13,695.89                   | 11,261.81                   | 37.10               | 56.39            | -92.24                      | 2,271.91               | -769.19         | 1,653.23                     | 1,561.20                      | 92.03                           | 17.965               |         |
| 13,600.00                   | 11,196.84                   | 13,801.50                   | 11,260.48                   | 38.25               | 57.62            | -92.23                      | 2,377.48               | -766.92         | 1,650.18                     | 1,555.73                      | 94.45                           | 17.471               |         |
| 13,700.00                   | 11,195.97                   | 13,894.79                   | 11,259.43                   | 39.42               | 58.72            | -92.22                      | 2,470.74               | -765.20         | 1,647.46                     | 1,550.71                      | 96.75                           | 17.028               |         |
| 13,800.00                   | 11,195.10                   | 13,984.14                   | 11,256.92                   | 40.60               | 59.80            | -92.16                      | 2,560.06               | -763.92         | 1,645.10                     | 1,546.07                      | 99.04                           | 16.611               |         |
| 13,900.00                   | 11,194.24                   | 14,071.86                   | 11,254.94                   | 41.79               | 60.87            | -92.12                      | 2,647.74               | -763.49         | 1,643.67                     | 1,542.35                      | 101.32                          | 16.222               |         |
| 14,000.00                   | 11,193.37                   | 14,177.29                   | 11,252.78                   | 42.99               | 62.18            | -92.08                      | 2,753.15               | -763.15         | 1,642.44                     | 1,538.56                      | 103.88                          | 15.811               |         |
| 14,100.00                   | 11,192.50                   | 14,284.75                   | 11,250.73                   | 44.21               | 63.54            | -92.04                      | 2,860.59               | -762.16         | 1,640.60                     | 1,534.11                      | 106.49                          | 15.406               |         |
| 14,200.00                   | 11,191.64                   | 14,370.72                   | 11,248.09                   | 45.43               | 64.64            | -91.98                      | 2,946.51               | -761.46         | 1,638.88                     | 1,530.05                      | 108.83                          | 15.059               |         |
| 14,300.00                   | 11,190.77                   | 14,454.62                   | 11,246.04                   | 46.66               | 65.73            | -91.93                      | 3,030.39               | -761.89         | 1,638.44                     | 1,527.28                      | 111.16                          | 14.740               |         |
| 14,374.33                   | 11,190.13                   | 14,526.97                   | 11,244.04                   | 47.58               | 66.68            | -91.89                      | 3,102.71               | -762.48         | 1,638.35                     | 1,525.31                      | 113.04                          | 14.493               |         |
| 14,400.00                   | 11,189.91                   | 14,548.25                   | 11,243.58                   | 47.89               | 66.96            | -91.88                      | 3,123.98               | -762.70         | 1,638.38                     | 1,524.75                      | 113.64                          | 14.417               |         |
| 14,500.00                   | 11,189.04                   | 14,633.55                   | 11,243.48                   | 49.14               | 68.10            | -91.90                      | 3,209.27               | -764.09         | 1,639.16                     | 1,523.15                      | 116.01                          | 14.130               |         |
| 14,600.00                   | 11,188.17                   | 14,722.50                   | 11,243.58                   | 50.39               | 69.29            | -91.93                      | 3,298.20               | -766.07         | 1,640.55                     | 1,522.11                      | 118.44                          | 13.851               |         |
| 14,700.00                   | 11,187.31                   | 14,803.00                   | 11,245.65                   | 51.64               | 70.38            | -92.02                      | 3,378.61               | -768.94         | 1,643.30                     | 1,522.55                      | 120.75                          | 13.609               |         |
| 14,800.00                   | 11,186.44                   | 14,887.62                   | 11,249.63                   | 52.91               | 71.54            | -92.18                      | 3,463.05               | -772.79         | 1,647.13                     | 1,524.00                      | 123.13                          | 13.377               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee #151H - OH - OH

| Survey Program: 52-3_MWD    |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 14,900.00                   | 11,185.57                   | 15,004.63                   | 11,253.36                   | 54.17               | 73.16            | -92.34                      | 3,579.89               | -777.67         | 1,650.59                     | 1,524.51                      | 126.08                          | 13.091               |         |
| 15,000.00                   | 11,184.71                   | 15,118.92                   | 11,256.27                   | 55.44               | 74.75            | -92.47                      | 3,694.08               | -781.69         | 1,653.42                     | 1,524.41                      | 129.00                          | 12.817               |         |
| 15,100.00                   | 11,183.84                   | 15,252.14                   | 11,258.56                   | 56.72               | 76.62            | -92.59                      | 3,827.25               | -783.64         | 1,654.01                     | 1,521.78                      | 132.23                          | 12.509               |         |
| 15,200.00                   | 11,182.97                   | 15,360.60                   | 11,258.03                   | 58.00               | 78.14            | -92.60                      | 3,935.71               | -784.36         | 1,653.82                     | 1,518.76                      | 135.06                          | 12.245               |         |
| 15,300.00                   | 11,182.11                   | 15,477.18                   | 11,256.04                   | 59.29               | 79.79            | -92.57                      | 4,052.27               | -784.35         | 1,652.91                     | 1,514.87                      | 138.03                          | 11.975               |         |
| 15,400.00                   | 11,181.24                   | 15,554.40                   | 11,253.28                   | 60.57               | 80.90            | -92.50                      | 4,129.44               | -784.60         | 1,652.23                     | 1,511.80                      | 140.43                          | 11.766               |         |
| 15,411.68                   | 11,181.14                   | 15,565.00                   | 11,252.84                   | 60.72               | 81.05            | -92.49                      | 4,140.03               | -784.71         | 1,652.23                     | 1,511.50                      | 140.73                          | 11.741               |         |
| 15,500.00                   | 11,180.37                   | 15,651.06                   | 11,248.22                   | 61.87               | 82.29            | -92.35                      | 4,225.95               | -785.73         | 1,652.33                     | 1,509.20                      | 143.13                          | 11.544               |         |
| 15,600.00                   | 11,179.51                   | 15,778.46                   | 11,241.21                   | 63.16               | 84.13            | -92.15                      | 4,353.15               | -786.14         | 1,651.59                     | 1,505.27                      | 146.32                          | 11.287               |         |
| 15,700.00                   | 11,178.64                   | 15,875.06                   | 11,236.06                   | 64.46               | 85.54            | -92.00                      | 4,449.61               | -785.57         | 1,649.98                     | 1,500.93                      | 149.05                          | 11.070               |         |
| 15,792.26                   | 11,177.84                   | 15,946.00                   | 11,232.28                   | 65.66               | 86.57            | -91.89                      | 4,520.45               | -785.88         | 1,649.42                     | 1,498.14                      | 151.28                          | 10.903               |         |
| 15,800.00                   | 11,177.77                   | 15,946.00                   | 11,232.28                   | 65.76               | 86.57            | -91.89                      | 4,520.45               | -785.88         | 1,649.44                     | 1,498.07                      | 151.37                          | 10.896               |         |
| 15,900.00                   | 11,176.91                   | 16,041.00                   | 11,227.55                   | 67.06               | 87.97            | -91.76                      | 4,615.32               | -787.37         | 1,650.01                     | 1,495.93                      | 154.09                          | 10.708               |         |
| 16,000.00                   | 11,176.04                   | 16,134.97                   | 11,224.69                   | 68.37               | 89.36            | -91.68                      | 4,709.22               | -789.27         | 1,651.09                     | 1,494.31                      | 156.78                          | 10.531               |         |
| 16,100.00                   | 11,175.17                   | 16,237.85                   | 11,225.00                   | 69.68               | 90.88            | -91.72                      | 4,812.08               | -791.19         | 1,652.13                     | 1,492.50                      | 159.63                          | 10.350               |         |
| 16,200.00                   | 11,174.31                   | 16,329.03                   | 11,226.01                   | 70.99               | 92.23            | -91.78                      | 4,903.23               | -793.07         | 1,653.38                     | 1,491.09                      | 162.28                          | 10.188               |         |
| 16,300.00                   | 11,173.44                   | 16,443.37                   | 11,224.78                   | 72.30               | 93.93            | -91.77                      | 5,017.55               | -795.39         | 1,654.54                     | 1,489.20                      | 165.34                          | 10.007               |         |
| 16,400.00                   | 11,172.57                   | 16,569.46                   | 11,223.41                   | 73.62               | 95.81            | -91.77                      | 5,143.62               | -796.16         | 1,654.25                     | 1,485.66                      | 168.58                          | 9.813                |         |
| 16,500.00                   | 11,171.71                   | 16,666.14                   | 11,222.94                   | 74.93               | 97.26            | -91.78                      | 5,240.30               | -795.97         | 1,653.20                     | 1,481.84                      | 171.36                          | 9.648                |         |
| 16,600.00                   | 11,170.84                   | 16,757.24                   | 11,223.23                   | 76.25               | 98.63            | -91.82                      | 5,331.39               | -796.38         | 1,652.80                     | 1,478.76                      | 174.05                          | 9.496                |         |
| 16,668.55                   | 11,170.25                   | 16,822.47                   | 11,222.56                   | 77.16               | 99.61            | -91.81                      | 5,396.62               | -796.87         | 1,652.73                     | 1,476.79                      | 175.94                          | 9.394                |         |
| 16,700.00                   | 11,169.97                   | 16,851.85                   | 11,222.43                   | 77.57               | 100.05           | -91.82                      | 5,426.00               | -797.14         | 1,652.75                     | 1,475.95                      | 176.80                          | 9.348                |         |
| 16,800.00                   | 11,169.11                   | 16,948.38                   | 11,223.55                   | 78.90               | 101.51           | -91.89                      | 5,522.52               | -798.19         | 1,653.02                     | 1,473.44                      | 179.58                          | 9.205                |         |
| 16,900.00                   | 11,168.24                   | 17,044.04                   | 11,225.63                   | 80.22               | 102.96           | -91.99                      | 5,618.15               | -799.32         | 1,653.44                     | 1,471.09                      | 182.35                          | 9.067                |         |
| 17,000.00                   | 11,167.37                   | 17,146.84                   | 11,227.18                   | 81.55               | 104.52           | -92.07                      | 5,720.92               | -800.80         | 1,654.10                     | 1,468.86                      | 185.25                          | 8.929                |         |
| 17,100.00                   | 11,166.51                   | 17,253.69                   | 11,224.65                   | 82.87               | 106.16           | -92.01                      | 5,827.73               | -801.99         | 1,654.28                     | 1,466.05                      | 188.23                          | 8.789                |         |
| 17,200.00                   | 11,165.64                   | 17,355.66                   | 11,220.80                   | 84.20               | 107.72           | -91.91                      | 5,929.62               | -802.92         | 1,654.23                     | 1,463.09                      | 191.14                          | 8.655                |         |
| 17,300.00                   | 11,164.77                   | 17,461.76                   | 11,217.61                   | 85.53               | 109.34           | -91.83                      | 6,035.67               | -803.64         | 1,653.98                     | 1,459.86                      | 194.12                          | 8.521                |         |
| 17,400.00                   | 11,163.91                   | 17,597.03                   | 11,214.56                   | 86.86               | 111.41           | -91.77                      | 6,170.88               | -802.36         | 1,652.00                     | 1,454.48                      | 197.52                          | 8.364                |         |
| 17,500.00                   | 11,163.04                   | 17,689.97                   | 11,214.53                   | 88.19               | 112.83           | -91.80                      | 6,263.81               | -800.99         | 1,649.68                     | 1,449.39                      | 200.29                          | 8.236                |         |
| 17,600.00                   | 11,162.18                   | 17,785.98                   | 11,215.60                   | 89.53               | 114.30           | -91.87                      | 6,359.99               | -799.74         | 1,647.57                     | 1,444.46                      | 203.11                          | 8.112                |         |
| 17,700.00                   | 11,161.31                   | 17,876.77                   | 11,217.34                   | 90.86               | 115.70           | -91.96                      | 6,450.58               | -798.96         | 1,645.94                     | 1,440.09                      | 205.85                          | 7.996                |         |
| 17,800.00                   | 11,160.44                   | 17,979.03                   | 11,219.16                   | 92.20               | 117.28           | -92.05                      | 6,552.82               | -798.50         | 1,644.71                     | 1,435.96                      | 208.76                          | 7.879                |         |
| 17,900.00                   | 11,159.58                   | 18,102.12                   | 11,219.79                   | 93.53               | 119.18           | -92.12                      | 6,675.89               | -796.73         | 1,642.44                     | 1,430.47                      | 211.97                          | 7.748                |         |
| 18,000.00                   | 11,158.71                   | 18,210.78                   | 11,215.47                   | 94.87               | 120.86           | -92.00                      | 6,784.42               | -794.26         | 1,639.19                     | 1,424.20                      | 214.99                          | 7.625                |         |
| 18,100.00                   | 11,157.84                   | 18,298.84                   | 11,210.92                   | 96.21               | 122.22           | -91.87                      | 6,872.34               | -792.36         | 1,636.03                     | 1,418.29                      | 217.74                          | 7.514                |         |
| 18,200.00                   | 11,156.98                   | 18,408.55                   | 11,207.40                   | 97.55               | 123.92           | -91.79                      | 6,981.98               | -790.35         | 1,633.26                     | 1,412.49                      | 220.77                          | 7.398                |         |
| 18,300.00                   | 11,156.11                   | 18,485.56                   | 11,203.97                   | 98.89               | 125.12           | -91.69                      | 7,058.89               | -788.98         | 1,630.54                     | 1,407.18                      | 223.37                          | 7.300                |         |
| 18,400.00                   | 11,155.24                   | 18,557.41                   | 11,201.73                   | 100.23              | 126.24           | -91.64                      | 7,130.71               | -788.90         | 1,629.51                     | 1,403.68                      | 225.84                          | 7.215                |         |
| 18,409.17                   | 11,155.16                   | 18,563.96                   | 11,201.59                   | 100.35              | 126.34           | -91.63                      | 7,137.26               | -788.96         | 1,629.50                     | 1,403.45                      | 226.06                          | 7.208                |         |
| 18,500.00                   | 11,154.38                   | 18,635.92                   | 11,200.69                   | 101.57              | 127.47           | -91.62                      | 7,209.20               | -790.15         | 1,630.17                     | 1,401.80                      | 228.37                          | 7.138                |         |
| 18,600.00                   | 11,153.51                   | 18,739.29                   | 11,200.22                   | 102.91              | 129.09           | -91.64                      | 7,312.54               | -792.21         | 1,631.31                     | 1,399.96                      | 231.35                          | 7.051                |         |
| 18,700.00                   | 11,152.64                   | 18,848.61                   | 11,199.27                   | 104.26              | 130.81           | -91.64                      | 7,421.86               | -793.81         | 1,631.89                     | 1,397.46                      | 234.43                          | 6.961                |         |
| 18,800.00                   | 11,151.78                   | 18,868.00                   | 11,199.06                   | 105.60              | 131.11           | -91.63                      | 7,441.24               | -794.05         | 1,634.26                     | 1,398.59                      | 235.67                          | 6.935                | SF      |
| 18,849.18                   | 11,151.35                   | 18,868.00                   | 11,199.06                   | 106.26              | 131.11           | -91.63                      | 7,441.24               | -794.05         | 1,637.61                     | 1,401.80                      | 235.82                          | 6.944                |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 121H - OH - OH

| Survey Program: 89-3_Gyro-NS_OWSG, 5329-3_MWD |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | Rule Assigned:                |                                 |                      |         | Offset Site Error: |
|-----------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|---------|--------------------|
| Reference                                     |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | Offset Well Error:            |                                 |                      |         | 0.00 usft          |
| Measured<br>Depth<br>(usft)                   | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |                    |
| 0.00                                          | 0.00                        | 1.00                        | 0.00                        | 0.00                                   | 0.00             | -97.39                      | -24.00                                    | -185.00         | 186.55                                   |                               |                                 |                      |         |                    |
| 100.00                                        | 100.00                      | 101.35                      | 100.35                      | 0.84                                   | 0.15             | -97.41                      | -24.03                                    | -184.89         | 186.44                                   | 185.44                        | 1.00                            | 186.846              |         |                    |
| 200.00                                        | 200.00                      | 201.16                      | 200.16                      | 1.48                                   | 0.50             | -97.43                      | -24.07                                    | -184.71         | 186.28                                   | 184.30                        | 1.98                            | 93.989               |         |                    |
| 228.10                                        | 228.10                      | 229.10                      | 228.10                      | 1.60                                   | 0.60             | -97.42                      | -24.07                                    | -184.70         | 186.26                                   | 184.06                        | 2.20                            | 84.575               |         |                    |
| 300.00                                        | 300.00                      | 300.96                      | 299.96                      | 1.92                                   | 0.85             | -97.40                      | -23.98                                    | -184.76         | 186.31                                   | 183.54                        | 2.77                            | 67.313               |         |                    |
| 400.00                                        | 400.00                      | 401.40                      | 400.40                      | 2.28                                   | 1.20             | -97.25                      | -23.48                                    | -184.72         | 186.21                                   | 182.73                        | 3.48                            | 53.561               |         |                    |
| 500.00                                        | 500.00                      | 501.78                      | 500.78                      | 2.59                                   | 1.55             | -97.07                      | -22.88                                    | -184.48         | 185.89                                   | 181.76                        | 4.14                            | 44.912               |         |                    |
| 600.00                                        | 600.00                      | 602.40                      | 601.39                      | 2.87                                   | 1.91             | -96.89                      | -22.24                                    | -183.99         | 185.34                                   | 180.56                        | 4.77                            | 38.844               |         |                    |
| 700.00                                        | 700.00                      | 702.76                      | 701.75                      | 3.12                                   | 2.26             | -96.73                      | -21.60                                    | -183.17         | 184.45                                   | 179.07                        | 5.38                            | 34.286               |         |                    |
| 790.95                                        | 790.94                      | 793.73                      | 792.71                      | 3.22                                   | 2.58             | 159.55                      | -20.71                                    | -182.39         | 184.08                                   | 178.28                        | 5.80                            | 31.760               |         |                    |
| 800.00                                        | 800.00                      | 802.79                      | 801.76                      | 3.23                                   | 2.61             | 159.55                      | -20.60                                    | -182.32         | 183.79                                   | 177.95                        | 5.84                            | 31.485               | CC, ES  |                    |
| 900.00                                        | 899.96                      | 902.45                      | 901.41                      | 3.51                                   | 2.96             | 160.17                      | -19.38                                    | -181.56         | 185.36                                   | 178.91                        | 6.46                            | 28.709               |         |                    |
| 1,000.00                                      | 999.82                      | 1,001.75                    | 1,000.71                    | 3.77                                   | 3.31             | 161.03                      | -18.18                                    | -181.04         | 189.67                                   | 182.61                        | 7.06                            | 26.856               |         |                    |
| 1,100.00                                      | 1,099.51                    | 1,100.86                    | 1,099.81                    | 4.03                                   | 3.65             | 162.07                      | -17.01                                    | -180.82         | 196.80                                   | 189.14                        | 7.66                            | 25.695               |         |                    |
| 1,200.00                                      | 1,198.96                    | 1,199.02                    | 1,197.96                    | 4.27                                   | 4.00             | 163.36                      | -15.38                                    | -181.06         | 206.94                                   | 198.70                        | 8.25                            | 25.092               |         |                    |
| 1,300.00                                      | 1,298.11                    | 1,296.58                    | 1,295.48                    | 4.44                                   | 4.34             | 164.91                      | -13.00                                    | -181.97         | 220.33                                   | 211.57                        | 8.76                            | 25.161               |         |                    |
| 1,400.00                                      | 1,397.13                    | 1,394.97                    | 1,393.83                    | 4.63                                   | 4.69             | 166.40                      | -10.52                                    | -183.29         | 235.14                                   | 225.85                        | 9.30                            | 25.290               |         |                    |
| 1,500.00                                      | 1,496.16                    | 1,494.33                    | 1,493.17                    | 4.83                                   | 5.03             | 167.60                      | -8.59                                     | -184.55         | 250.00                                   | 240.16                        | 9.84                            | 25.402               |         |                    |
| 1,600.00                                      | 1,595.19                    | 1,593.76                    | 1,592.57                    | 5.02                                   | 5.38             | 168.65                      | -6.74                                     | -185.56         | 264.70                                   | 254.32                        | 10.39                           | 25.489               |         |                    |
| 1,700.00                                      | 1,694.21                    | 1,692.98                    | 1,691.78                    | 5.21                                   | 5.73             | 169.60                      | -4.81                                     | -186.35         | 279.28                                   | 268.35                        | 10.93                           | 25.557               |         |                    |
| 1,800.00                                      | 1,793.24                    | 1,792.01                    | 1,790.78                    | 5.41                                   | 6.08             | 170.47                      | -2.86                                     | -187.06         | 293.84                                   | 282.37                        | 11.47                           | 25.620               |         |                    |
| 1,900.00                                      | 1,892.27                    | 1,891.22                    | 1,889.96                    | 5.60                                   | 6.42             | 171.27                      | -0.83                                     | -187.68         | 308.37                                   | 296.36                        | 12.01                           | 25.673               |         |                    |
| 2,000.00                                      | 1,991.30                    | 1,991.01                    | 1,989.74                    | 5.80                                   | 6.77             | 172.03                      | 1.34                                      | -188.11         | 322.79                                   | 310.23                        | 12.56                           | 25.707               |         |                    |
| 2,100.00                                      | 2,090.32                    | 2,087.72                    | 2,086.42                    | 5.99                                   | 7.11             | 172.70                      | 3.45                                      | -188.45         | 337.17                                   | 324.09                        | 13.09                           | 25.763               |         |                    |
| 2,200.00                                      | 2,189.35                    | 2,184.89                    | 2,183.56                    | 6.19                                   | 7.45             | 173.28                      | 5.45                                      | -189.77         | 352.58                                   | 338.96                        | 13.62                           | 25.888               |         |                    |
| 2,300.00                                      | 2,288.38                    | 2,285.31                    | 2,283.94                    | 6.38                                   | 7.81             | 173.89                      | 7.83                                      | -190.93         | 367.85                                   | 353.69                        | 14.17                           | 25.965               |         |                    |
| 2,400.00                                      | 2,387.40                    | 2,384.90                    | 2,383.50                    | 6.58                                   | 8.15             | 174.50                      | 10.49                                     | -191.60         | 382.74                                   | 368.03                        | 14.71                           | 26.016               |         |                    |
| 2,500.00                                      | 2,486.43                    | 2,482.34                    | 2,480.91                    | 6.77                                   | 8.50             | 175.02                      | 12.89                                     | -192.36         | 397.74                                   | 382.49                        | 15.25                           | 26.090               |         |                    |
| 2,600.00                                      | 2,585.46                    | 2,582.27                    | 2,580.80                    | 6.97                                   | 8.85             | 175.47                      | 15.14                                     | -193.38         | 412.96                                   | 397.17                        | 15.79                           | 26.153               |         |                    |
| 2,700.00                                      | 2,684.48                    | 2,677.25                    | 2,675.76                    | 7.16                                   | 9.18             | 175.85                      | 17.06                                     | -194.41         | 428.24                                   | 411.93                        | 16.31                           | 26.255               |         |                    |
| 2,800.00                                      | 2,783.51                    | 2,770.07                    | 2,768.54                    | 7.36                                   | 9.50             | 176.01                      | 17.79                                     | -196.82         | 444.79                                   | 427.97                        | 16.82                           | 26.446               |         |                    |
| 2,900.00                                      | 2,882.54                    | 2,864.91                    | 2,863.30                    | 7.56                                   | 9.84             | 175.95                      | 17.01                                     | -200.65         | 462.46                                   | 445.12                        | 17.34                           | 26.675               |         |                    |
| 3,000.00                                      | 2,981.57                    | 2,957.92                    | 2,956.15                    | 7.76                                   | 10.16            | 175.67                      | 14.64                                     | -205.45         | 480.93                                   | 463.09                        | 17.84                           | 26.951               |         |                    |
| 3,100.00                                      | 3,080.59                    | 3,046.52                    | 3,044.49                    | 7.95                                   | 10.48            | 175.29                      | 11.41                                     | -211.52         | 500.88                                   | 482.55                        | 18.33                           | 27.332               |         |                    |
| 3,200.00                                      | 3,179.62                    | 3,133.58                    | 3,131.15                    | 8.15                                   | 10.80            | 174.92                      | 8.37                                      | -219.29         | 522.88                                   | 504.09                        | 18.79                           | 27.825               |         |                    |
| 3,300.00                                      | 3,278.65                    | 3,219.70                    | 3,216.70                    | 8.35                                   | 11.12            | 174.58                      | 5.57                                      | -228.67         | 546.84                                   | 527.60                        | 19.25                           | 28.412               |         |                    |
| 3,400.00                                      | 3,377.67                    | 3,307.78                    | 3,304.02                    | 8.55                                   | 11.46            | 174.28                      | 3.27                                      | -239.96         | 572.75                                   | 553.03                        | 19.71                           | 29.052               |         |                    |
| 3,500.00                                      | 3,476.70                    | 3,398.92                    | 3,394.18                    | 8.75                                   | 11.81            | 173.83                      | -0.72                                     | -252.68         | 599.56                                   | 579.35                        | 20.21                           | 29.668               |         |                    |
| 3,600.00                                      | 3,575.73                    | 3,487.96                    | 3,482.04                    | 8.95                                   | 12.17            | 173.32                      | -5.56                                     | -266.30         | 627.55                                   | 606.86                        | 20.69                           | 30.333               |         |                    |
| 3,700.00                                      | 3,674.75                    | 3,582.70                    | 3,575.42                    | 9.15                                   | 12.56            | 172.79                      | -10.99                                    | -281.39         | 656.18                                   | 634.96                        | 21.22                           | 30.925               |         |                    |
| 3,800.00                                      | 3,773.78                    | 3,681.69                    | 3,673.01                    | 9.36                                   | 12.96            | 172.28                      | -16.70                                    | -296.90         | 684.61                                   | 662.83                        | 21.78                           | 31.430               |         |                    |
| 3,900.00                                      | 3,872.81                    | 3,782.65                    | 3,772.67                    | 9.56                                   | 13.37            | 171.85                      | -22.06                                    | -312.16         | 712.59                                   | 690.23                        | 22.36                           | 31.871               |         |                    |
| 4,000.00                                      | 3,971.84                    | 3,883.39                    | 3,872.27                    | 9.76                                   | 13.77            | 171.49                      | -27.07                                    | -326.39         | 739.66                                   | 716.73                        | 22.93                           | 32.254               |         |                    |
| 4,100.00                                      | 4,070.86                    | 3,989.70                    | 3,977.34                    | 9.96                                   | 14.19            | 171.03                      | -33.72                                    | -341.20         | 766.52                                   | 742.97                        | 23.55                           | 32.554               |         |                    |
| 4,200.00                                      | 4,169.89                    | 4,097.93                    | 4,084.55                    | 10.17                                  | 14.61            | 170.55                      | -41.35                                    | -353.87         | 791.10                                   | 766.93                        | 24.17                           | 32.732               |         |                    |
| 4,300.00                                      | 4,268.92                    | 4,185.78                    | 4,171.53                    | 10.37                                  | 14.95            | 170.15                      | -48.09                                    | -364.21         | 815.81                                   | 791.15                        | 24.66                           | 33.088               |         |                    |
| 4,400.00                                      | 4,367.94                    | 4,270.39                    | 4,255.19                    | 10.57                                  | 15.28            | 169.82                      | -53.90                                    | -375.42         | 842.02                                   | 816.90                        | 25.12                           | 33.521               |         |                    |
| 4,500.00                                      | 4,466.97                    | 4,352.86                    | 4,336.65                    | 10.78                                  | 15.62            | 169.58                      | -58.67                                    | -387.34         | 869.51                                   | 843.95                        | 25.56                           | 34.013               |         |                    |
| 4,600.00                                      | 4,566.00                    | 4,431.10                    | 4,413.71                    | 10.98                                  | 15.94            | 169.37                      | -62.80                                    | -400.22         | 898.96                                   | 872.98                        | 25.98                           | 34.608               |         |                    |
| 4,700.00                                      | 4,665.02                    | 4,525.39                    | 4,506.51                    | 11.18                                  | 16.34            | 169.25                      | -66.11                                    | -416.56         | 929.36                                   | 902.86                        | 26.51                           | 35.062               |         |                    |
| 4,800.00                                      | 4,764.05                    | 4,638.22                    | 4,617.80                    | 11.39                                  | 16.81            | 169.27                      | -67.64                                    | -435.06         | 959.01                                   | 931.85                        | 27.17                           | 35.300               |         |                    |
| 4,900.00                                      | 4,863.08                    | 4,750.23                    | 4,728.68                    | 11.59                                  | 17.25            | 169.35                      | -68.16                                    | -450.91         | 986.47                                   | 958.66                        | 27.81                           | 35.467               |         |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 121H - OH - OH

| 89-3_Gyro-NS_OWSG, 5329-3_MWD |                          |                          |                          |                     |                  |                          | Rule Assigned:  |                 |                           |                            | Offset Well Error:           |                   | 0.00 usft |
|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------|------------------|--------------------------|-----------------|-----------------|---------------------------|----------------------------|------------------------------|-------------------|-----------|
| Reference                     |                          | Offset                   |                          | Semi Major Axis     |                  | Offset Wellbore Centre   |                 |                 | Distance                  |                            |                              | Warning           |           |
| Measured Depth<br>(usft)      | Vertical Depth<br>(usft) | Measured Depth<br>(usft) | Vertical Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Highside Toolface<br>(°) | +N/-S<br>(usft) | +E/-W<br>(usft) | Between Centres<br>(usft) | Between Ellipses<br>(usft) | Minimum Separation<br>(usft) | Separation Factor |           |
| 5,000.00                      | 4,962.10                 | 4,842.23                 | 4,819.72                 | 11.80               | 17.61            | 169.26                   | -71.26          | -463.75         | 1,013.63                  | 985.30                     | 28.33                        | 35.783            |           |
| 5,100.00                      | 5,061.13                 | 4,938.33                 | 4,914.63                 | 12.00               | 18.00            | 169.04                   | -76.73          | -477.84         | 1,041.34                  | 1,012.47                   | 28.87                        | 36.067            |           |
| 5,200.00                      | 5,160.16                 | 5,037.02                 | 5,012.12                 | 12.20               | 18.40            | 168.78                   | -83.22          | -491.73         | 1,068.47                  | 1,039.03                   | 29.44                        | 36.297            |           |
| 5,300.00                      | 5,259.19                 | 5,132.32                 | 5,106.16                 | 12.41               | 18.79            | 168.51                   | -90.09          | -505.49         | 1,095.93                  | 1,065.95                   | 29.98                        | 36.555            |           |
| 5,400.00                      | 5,358.21                 | 5,224.01                 | 5,196.69                 | 12.61               | 19.16            | 168.26                   | -96.64          | -518.53         | 1,123.23                  | 1,092.72                   | 30.50                        | 36.825            |           |
| 5,500.00                      | 5,457.24                 | 5,315.06                 | 5,286.42                 | 12.82               | 19.46            | 168.01                   | -103.48         | -532.40         | 1,151.48                  | 1,120.54                   | 30.95                        | 37.208            |           |
| 5,600.00                      | 5,556.27                 | 5,421.37                 | 5,391.33                 | 13.02               | 19.49            | 167.75                   | -111.01         | -547.80         | 1,179.05                  | 1,147.85                   | 31.20                        | 37.786            |           |
| 5,700.00                      | 5,655.29                 | 5,514.65                 | 5,483.43                 | 13.23               | 19.51            | 167.55                   | -117.48         | -561.17         | 1,206.51                  | 1,175.11                   | 31.40                        | 38.423            |           |
| 5,800.00                      | 5,754.32                 | 5,593.42                 | 5,561.08                 | 13.43               | 19.53            | 167.37                   | -123.18         | -573.06         | 1,234.71                  | 1,203.15                   | 31.56                        | 39.120            |           |
| 5,900.00                      | 5,853.35                 | 5,667.69                 | 5,634.13                 | 13.64               | 19.56            | 167.21                   | -128.33         | -585.40         | 1,264.43                  | 1,232.72                   | 31.71                        | 39.874            |           |
| 6,000.00                      | 5,952.37                 | 5,744.28                 | 5,709.35                 | 13.84               | 19.59            | 167.14                   | -131.81         | -599.41         | 1,295.77                  | 1,263.90                   | 31.87                        | 40.658            |           |
| 6,100.00                      | 6,051.40                 | 5,838.29                 | 5,801.54                 | 14.05               | 19.64            | 167.09                   | -135.32         | -617.45         | 1,328.02                  | 1,295.92                   | 32.10                        | 41.370            |           |
| 6,200.00                      | 6,150.43                 | 5,959.52                 | 5,920.67                 | 14.25               | 19.72            | 166.96                   | -141.63         | -639.03         | 1,358.85                  | 1,326.41                   | 32.44                        | 41.890            |           |
| 6,300.00                      | 6,249.46                 | 6,084.63                 | 6,043.94                 | 14.46               | 19.81            | 166.81                   | -148.60         | -659.19         | 1,388.16                  | 1,355.37                   | 32.79                        | 42.337            |           |
| 6,400.00                      | 6,348.48                 | 6,203.39                 | 6,161.41                 | 14.66               | 19.91            | 166.72                   | -154.15         | -675.82         | 1,415.35                  | 1,382.23                   | 33.12                        | 42.737            |           |
| 6,500.00                      | 6,447.51                 | 6,303.29                 | 6,260.32                 | 14.86               | 20.00            | 166.64                   | -158.97         | -688.95         | 1,441.74                  | 1,408.34                   | 33.40                        | 43.170            |           |
| 6,600.00                      | 6,546.54                 | 6,398.46                 | 6,354.54                 | 15.07               | 20.10            | 166.56                   | -163.80         | -701.44         | 1,468.10                  | 1,434.43                   | 33.67                        | 43.604            |           |
| 6,700.00                      | 6,645.56                 | 6,495.02                 | 6,450.12                 | 15.27               | 20.20            | 166.47                   | -169.16         | -714.11         | 1,494.46                  | 1,460.51                   | 33.95                        | 44.017            |           |
| 6,800.00                      | 6,744.59                 | 6,584.29                 | 6,538.44                 | 15.48               | 20.31            | 166.37                   | -174.39         | -725.96         | 1,520.99                  | 1,486.77                   | 34.22                        | 44.448            |           |
| 6,900.00                      | 6,843.62                 | 6,667.00                 | 6,620.16                 | 15.68               | 20.41            | 166.30                   | -178.81         | -737.94         | 1,548.62                  | 1,514.15                   | 34.47                        | 44.924            |           |
| 7,000.00                      | 6,942.64                 | 6,736.07                 | 6,688.29                 | 15.89               | 20.51            | 166.26                   | -182.02         | -748.82         | 1,577.44                  | 1,542.76                   | 34.68                        | 45.481            |           |
| 7,100.00                      | 7,041.67                 | 6,819.41                 | 6,770.40                 | 16.09               | 20.63            | 166.22                   | -185.67         | -762.64         | 1,607.17                  | 1,572.22                   | 34.95                        | 45.988            |           |
| 7,200.00                      | 7,140.70                 | 6,938.64                 | 6,887.84                 | 16.30               | 20.81            | 166.15                   | -191.30         | -782.41         | 1,637.00                  | 1,601.65                   | 35.34                        | 46.316            |           |
| 7,300.00                      | 7,239.73                 | 7,047.79                 | 6,995.63                 | 16.50               | 20.98            | 166.08                   | -196.69         | -798.76         | 1,665.17                  | 1,629.46                   | 35.71                        | 46.630            |           |
| 7,400.00                      | 7,338.75                 | 7,134.24                 | 7,080.98                 | 16.71               | 21.13            | 166.03                   | -201.13         | -811.70         | 1,693.34                  | 1,657.34                   | 36.01                        | 47.030            |           |
| 7,500.00                      | 7,437.83                 | 7,238.62                 | 7,184.04                 | 16.89               | 21.31            | 166.01                   | -206.47         | -827.41         | 1,721.24                  | 1,684.90                   | 36.34                        | 47.360            |           |
| 7,600.00                      | 7,537.20                 | 7,334.00                 | 7,278.23                 | 17.07               | 21.48            | 166.02                   | -211.57         | -841.53         | 1,746.69                  | 1,710.01                   | 36.68                        | 47.618            |           |
| 7,700.00                      | 7,636.83                 | 7,438.94                 | 7,381.88                 | 17.24               | 21.68            | 165.98                   | -217.39         | -856.88         | 1,769.51                  | 1,732.47                   | 37.05                        | 47.764            |           |
| 7,800.00                      | 7,736.65                 | 7,542.91                 | 7,484.64                 | 17.38               | 21.89            | 165.92                   | -223.12         | -871.60         | 1,789.39                  | 1,751.99                   | 37.40                        | 47.843            |           |
| 7,900.00                      | 7,836.59                 | 7,633.85                 | 7,574.48                 | 17.51               | 22.07            | 165.83                   | -228.48         | -884.61         | 1,806.94                  | 1,769.24                   | 37.70                        | 47.929            |           |
| 8,000.00                      | 7,936.58                 | 7,733.05                 | 7,672.47                 | 17.56               | 22.28            | -90.26                   | -234.21         | -898.92         | 1,822.18                  | 1,784.25                   | 37.93                        | 48.035            |           |
| 8,100.00                      | 8,036.58                 | 7,843.65                 | 7,781.75                 | 17.60               | 22.51            | -90.45                   | -240.24         | -914.93         | 1,836.75                  | 1,798.56                   | 38.19                        | 48.093            |           |
| 8,200.00                      | 8,136.58                 | 7,999.65                 | 7,936.41                 | 17.64               | 22.85            | -90.68                   | -247.94         | -933.75         | 1,848.75                  | 1,810.15                   | 38.60                        | 47.901            |           |
| 8,300.00                      | 8,236.58                 | 8,073.91                 | 8,010.10                 | 17.68               | 23.01            | -90.79                   | -251.39         | -942.22         | 1,860.23                  | 1,821.49                   | 38.74                        | 48.015            |           |
| 8,400.00                      | 8,336.58                 | 8,166.66                 | 8,102.04                 | 17.72               | 23.21            | -90.91                   | -255.44         | -953.76         | 1,872.74                  | 1,833.78                   | 38.95                        | 48.077            |           |
| 8,500.00                      | 8,436.58                 | 8,262.38                 | 8,196.91                 | 17.77               | 23.43            | -91.03                   | -259.78         | -965.72         | 1,885.32                  | 1,846.14                   | 39.18                        | 48.121            |           |
| 8,600.00                      | 8,536.58                 | 8,378.21                 | 8,311.75                 | 17.81               | 23.70            | -91.18                   | -264.79         | -979.99         | 1,897.75                  | 1,858.28                   | 39.47                        | 48.078            |           |
| 8,700.00                      | 8,636.58                 | 8,525.22                 | 8,457.90                 | 17.85               | 24.04            | -91.33                   | -270.18         | -994.83         | 1,907.73                  | 1,867.87                   | 39.86                        | 47.862            |           |
| 8,800.00                      | 8,736.58                 | 8,623.34                 | 8,555.52                 | 17.89               | 24.26            | -91.44                   | -274.12         | -1,003.98       | 1,917.16                  | 1,877.05                   | 40.10                        | 47.807            |           |
| 8,900.00                      | 8,836.58                 | 8,746.89                 | 8,678.46                 | 17.93               | 24.55            | -91.59                   | -279.31         | -1,015.02       | 1,926.26                  | 1,885.84                   | 40.42                        | 47.653            |           |
| 9,000.00                      | 8,936.58                 | 8,837.94                 | 8,769.16                 | 17.98               | 24.76            | -91.67                   | -282.29         | -1,022.45       | 1,934.53                  | 1,893.88                   | 40.65                        | 47.588            |           |
| 9,100.00                      | 9,036.58                 | 8,936.02                 | 8,866.85                 | 18.02               | 24.98            | -91.71                   | -283.72         | -1,031.03       | 1,943.32                  | 1,902.41                   | 40.90                        | 47.510            |           |
| 9,200.00                      | 9,136.58                 | 9,065.88                 | 8,996.28                 | 18.06               | 25.29            | -91.73                   | -284.74         | -1,041.46       | 1,951.40                  | 1,910.16                   | 41.24                        | 47.315            |           |
| 9,300.00                      | 9,236.58                 | 9,150.43                 | 9,080.57                 | 18.11               | 25.49            | -91.75                   | -285.65         | -1,048.03       | 1,959.16                  | 1,917.70                   | 41.46                        | 47.249            |           |
| 9,400.00                      | 9,336.58                 | 9,263.21                 | 9,193.01                 | 18.15               | 25.75            | -91.78                   | -287.03         | -1,056.74       | 1,966.94                  | 1,925.17                   | 41.77                        | 47.094            |           |
| 9,500.00                      | 9,436.58                 | 9,400.32                 | 9,329.83                 | 18.20               | 26.08            | -91.83                   | -288.98         | -1,065.24       | 1,973.14                  | 1,931.01                   | 42.13                        | 46.832            |           |
| 9,600.00                      | 9,536.58                 | 9,520.10                 | 9,449.47                 | 18.24               | 26.35            | -91.87                   | -290.65         | -1,071.03       | 1,978.01                  | 1,935.56                   | 42.45                        | 46.594            |           |
| 9,700.00                      | 9,636.58                 | 9,613.92                 | 9,543.19                 | 18.29               | 26.57            | -91.89                   | -291.44         | -1,075.26       | 1,982.54                  | 1,939.83                   | 42.71                        | 46.419            |           |
| 9,800.00                      | 9,736.58                 | 9,813.29                 | 9,742.51                 | 18.33               | 27.00            | -91.88                   | -291.01         | -1,078.10       | 1,983.18                  | 1,939.98                   | 43.20                        | 45.912            |           |
| 9,900.00                      | 9,836.58                 | 9,909.00                 | 9,838.21                 | 18.38               | 27.19            | -91.85                   | -289.88         | -1,078.02       | 1,983.05                  | 1,939.61                   | 43.44                        | 45.649            |           |
| 9,901.63                      | 9,838.21                 | 9,909.00                 | 9,838.21                 | 18.38               | 27.19            | -91.85                   | -289.88         | -1,078.02       | 1,983.05                  | 1,939.61                   | 43.44                        | 45.648            |           |
| 10,000.00                     | 9,936.58                 | 10,000.04                | 9,929.25                 | 18.43               | 27.37            | -91.81                   | -288.62         | -1,078.25       | 1,983.26                  | 1,939.57                   | 43.68                        | 45.400            |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 121H - OH - OH

| Survey Program: 89-3_Gyro-NS_OWSG, 5329-3_MWD |                             |                             |                             |                     |                  |                             | Rule Assigned:         |                 |                              |                               |                                 | Offset Well Error:   |         | 0.00 usft |
|-----------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|-----------|
| Reference                                     |                             |                             |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |           |
| Measured<br>Depth<br>(usft)                   | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |           |
| 10,100.00                                     | 10,036.58                   | 10,089.95                   | 10,019.14                   | 18.47               | 27.57            | -91.77                      | -287.37                | -1,078.85       | 1,983.88                     | 1,939.95                      | 43.93                           | 45.159               |         |           |
| 10,200.00                                     | 10,136.58                   | 10,174.65                   | 10,103.82                   | 18.52               | 27.75            | -91.74                      | -286.20                | -1,079.94       | 1,985.13                     | 1,940.96                      | 44.17                           | 44.941               |         |           |
| 10,300.00                                     | 10,236.58                   | 10,284.29                   | 10,213.45                   | 18.57               | 28.00            | -91.71                      | -285.36                | -1,081.67       | 1,986.69                     | 1,942.21                      | 44.48                           | 44.669               |         |           |
| 10,400.00                                     | 10,336.58                   | 10,382.54                   | 10,311.68                   | 18.61               | 28.23            | -91.73                      | -285.90                | -1,082.82       | 1,987.88                     | 1,943.11                      | 44.76                           | 44.411               |         |           |
| 10,500.00                                     | 10,436.58                   | 10,482.00                   | 10,411.14                   | 18.66               | 28.47            | -91.75                      | -286.57                | -1,084.06       | 1,989.15                     | 1,944.10                      | 45.05                           | 44.152               |         |           |
| 10,600.00                                     | 10,536.58                   | 10,567.83                   | 10,496.95                   | 18.71               | 28.68            | -91.76                      | -287.25                | -1,085.45       | 1,990.79                     | 1,945.47                      | 45.31                           | 43.933               |         |           |
| 10,700.00                                     | 10,636.58                   | 10,679.71                   | 10,608.81                   | 18.76               | 28.95            | -91.80                      | -288.42                | -1,087.46       | 1,992.63                     | 1,946.99                      | 45.64                           | 43.657               |         |           |
| 10,800.00                                     | 10,736.14                   | 10,831.18                   | 10,760.26                   | 18.83               | 29.29            | -91.67                      | -290.16                | -1,086.89       | 1,992.27                     | 1,946.27                      | 46.00                           | 43.310               |         |           |
| 10,860.91                                     | 10,795.55                   | 10,885.73                   | 10,814.81                   | 18.86               | 29.41            | -92.06                      | -290.94                | -1,086.19       | 1,991.96                     | 1,945.85                      | 46.11                           | 43.201               |         |           |
| 10,900.00                                     | 10,832.81                   | 10,914.14                   | 10,843.21                   | 18.88               | 29.48            | -92.30                      | -291.41                | -1,085.96       | 1,992.13                     | 1,945.97                      | 46.16                           | 43.153               |         |           |
| 11,000.00                                     | 10,923.66                   | 10,988.85                   | 10,917.90                   | 18.91               | 29.65            | -93.02                      | -292.86                | -1,085.87       | 1,994.24                     | 1,947.96                      | 46.28                           | 43.088               |         |           |
| 11,100.00                                     | 11,005.93                   | 11,065.70                   | 10,994.73                   | 18.96               | 29.84            | -93.84                      | -294.65                | -1,086.05       | 1,998.95                     | 1,952.56                      | 46.39                           | 43.089               |         |           |
| 11,200.00                                     | 11,077.11                   | 11,137.93                   | 11,066.96                   | 19.07               | 30.01            | -94.50                      | -295.27                | -1,086.38       | 2,006.96                     | 1,960.48                      | 46.48                           | 43.176               |         |           |
| 11,300.00                                     | 11,135.05                   | 11,198.58                   | 11,127.60                   | 19.25               | 30.16            | -94.68                      | -294.98                | -1,086.69       | 2,019.08                     | 1,972.52                      | 46.56                           | 43.364               |         |           |
| 11,400.00                                     | 11,177.98                   | 11,242.49                   | 11,171.51                   | 19.50               | 30.26            | -94.09                      | -295.09                | -1,086.82       | 2,036.10                     | 1,989.48                      | 46.62                           | 43.673               |         |           |
| 11,500.00                                     | 11,204.59                   | 11,262.77                   | 11,191.79                   | 19.84               | 30.31            | -92.36                      | -295.29                | -1,086.87       | 2,058.44                     | 2,011.79                      | 46.65                           | 44.121               |         |           |
| 11,600.00                                     | 11,214.09                   | 12,305.10                   | 11,791.14                   | 20.26               | 31.62            | -106.24                     | 375.41                 | -1,081.31       | 2,062.99                     | 2,012.68                      | 50.31                           | 41.002               |         |           |
| 11,700.00                                     | 11,213.30                   | 12,382.45                   | 11,792.27                   | 20.76               | 31.95            | -106.32                     | 452.75                 | -1,080.18       | 2,061.37                     | 2,010.32                      | 51.06                           | 40.373               |         |           |
| 11,800.00                                     | 11,212.44                   | 12,481.54                   | 11,793.69                   | 21.31               | 32.49            | -106.39                     | 551.82                 | -1,079.50       | 2,060.52                     | 2,008.46                      | 52.06                           | 39.580               |         |           |
| 11,900.00                                     | 11,211.57                   | 12,575.11                   | 11,793.83                   | 21.92               | 33.07            | -106.43                     | 645.40                 | -1,078.99       | 2,059.46                     | 2,006.30                      | 53.16                           | 38.742               |         |           |
| 12,000.00                                     | 11,210.70                   | 12,660.16                   | 11,793.94                   | 22.59               | 33.66            | -106.45                     | 730.45                 | -1,079.16       | 2,059.10                     | 2,004.79                      | 54.31                           | 37.913               |         |           |
| 12,001.63                                     | 11,210.69                   | 12,661.56                   | 11,793.94                   | 22.60               | 33.67            | -106.46                     | 731.84                 | -1,079.17       | 2,059.10                     | 2,004.77                      | 54.33                           | 37.899               |         |           |
| 12,100.00                                     | 11,209.84                   | 12,744.46                   | 11,794.25                   | 23.31               | 34.29            | -106.48                     | 814.74                 | -1,079.89       | 2,059.45                     | 2,003.89                      | 55.56                           | 37.068               |         |           |
| 12,200.00                                     | 11,208.97                   | 12,825.71                   | 11,793.38                   | 24.07               | 34.95            | -106.47                     | 895.96                 | -1,081.65       | 2,060.63                     | 2,003.76                      | 56.87                           | 36.231               |         |           |
| 12,300.00                                     | 11,208.10                   | 12,905.09                   | 11,792.29                   | 24.88               | 35.63            | -106.44                     | 975.29                 | -1,084.27       | 2,062.82                     | 2,004.56                      | 58.26                           | 35.409               |         |           |
| 12,400.00                                     | 11,207.24                   | 12,997.66                   | 11,791.56                   | 25.73               | 36.46            | -106.42                     | 1,067.79               | -1,087.87       | 2,065.73                     | 2,005.87                      | 59.86                           | 34.511               |         |           |
| 12,500.00                                     | 11,206.37                   | 13,132.63                   | 11,789.21                   | 26.63               | 37.77            | -106.37                     | 1,202.68               | -1,091.69       | 2,067.18                     | 2,005.14                      | 62.03                           | 33.323               |         |           |
| 12,600.00                                     | 11,205.50                   | 13,209.23                   | 11,787.85                   | 27.55               | 38.54            | -106.34                     | 1,279.24               | -1,093.99       | 2,069.00                     | 2,005.37                      | 63.63                           | 32.516               |         |           |
| 12,700.00                                     | 11,204.64                   | 13,278.05                   | 11,787.79                   | 28.51               | 39.25            | -106.34                     | 1,347.99               | -1,096.74       | 2,072.21                     | 2,007.03                      | 65.18                           | 31.794               |         |           |
| 12,800.00                                     | 11,203.77                   | 13,517.61                   | 11,781.91                   | 29.51               | 41.89            | -106.23                     | 1,587.39               | -1,099.91       | 2,071.36                     | 2,002.41                      | 68.96                           | 30.039               |         |           |
| 12,900.00                                     | 11,202.90                   | 13,632.51                   | 11,779.42                   | 30.52               | 43.20            | -106.21                     | 1,702.24               | -1,097.66       | 2,068.29                     | 1,997.04                      | 71.25                           | 29.028               |         |           |
| 13,000.00                                     | 11,202.04                   | 13,738.52                   | 11,777.61                   | 31.57               | 44.45            | -106.22                     | 1,808.19               | -1,094.76       | 2,064.58                     | 1,991.09                      | 73.49                           | 28.093               |         |           |
| 13,100.00                                     | 11,201.17                   | 13,836.18                   | 11,777.79                   | 32.64               | 45.62            | -106.28                     | 1,905.79               | -1,091.49       | 2,060.83                     | 1,985.17                      | 75.67                           | 27.236               |         |           |
| 13,200.00                                     | 11,200.30                   | 13,935.16                   | 11,778.33                   | 33.72               | 46.84            | -106.35                     | 2,004.72               | -1,088.19       | 2,057.19                     | 1,979.29                      | 77.90                           | 26.409               |         |           |
| 13,300.00                                     | 11,199.44                   | 14,000.64                   | 11,778.00                   | 34.83               | 47.66            | -106.37                     | 2,070.18               | -1,086.71       | 2,054.33                     | 1,974.60                      | 79.73                           | 25.767               |         |           |
| 13,400.00                                     | 11,198.57                   | 14,069.52                   | 11,778.39                   | 35.95               | 48.53            | -106.41                     | 2,139.05               | -1,086.27       | 2,053.24                     | 1,971.63                      | 81.61                           | 25.159               |         |           |
| 13,445.05                                     | 11,198.18                   | 14,105.72                   | 11,778.72                   | 36.47               | 49.00            | -106.43                     | 2,175.25               | -1,086.31       | 2,053.14                     | 1,970.60                      | 82.54                           | 24.874               |         |           |
| 13,500.00                                     | 11,197.70                   | 14,154.61                   | 11,779.23                   | 37.10               | 49.63            | -106.45                     | 2,224.14               | -1,086.58       | 2,053.26                     | 1,969.51                      | 83.75                           | 24.518               |         |           |
| 13,600.00                                     | 11,196.84                   | 14,251.93                   | 11,779.74                   | 38.25               | 50.91            | -106.49                     | 2,321.45               | -1,087.23       | 2,053.47                     | 1,967.37                      | 86.09                           | 23.852               |         |           |
| 13,700.00                                     | 11,195.97                   | 14,326.00                   | 11,780.68                   | 39.42               | 51.89            | -106.53                     | 2,395.51               | -1,088.20       | 2,054.50                     | 1,966.39                      | 88.11                           | 23.318               |         |           |
| 13,800.00                                     | 11,195.10                   | 14,422.00                   | 11,781.01                   | 40.60               | 53.19            | -106.55                     | 2,491.48               | -1,090.52       | 2,056.32                     | 1,965.83                      | 90.49                           | 22.723               |         |           |
| 13,900.00                                     | 11,194.24                   | 14,494.16                   | 11,780.47                   | 41.79               | 54.18            | -106.54                     | 2,563.60               | -1,093.09       | 2,058.93                     | 1,966.41                      | 92.53                           | 22.252               |         |           |
| 14,000.00                                     | 11,193.37                   | 14,639.10                   | 11,779.77                   | 42.99               | 56.18            | -106.53                     | 2,708.46               | -1,097.52       | 2,061.17                     | 1,965.40                      | 95.76                           | 21.524               |         |           |
| 14,100.00                                     | 11,192.50                   | 14,729.41                   | 11,778.41                   | 44.21               | 57.45            | -106.50                     | 2,798.73               | -1,099.65       | 2,062.41                     | 1,964.27                      | 98.14                           | 21.015               |         |           |
| 14,200.00                                     | 11,191.64                   | 14,813.07                   | 11,777.04                   | 45.43               | 58.63            | -106.47                     | 2,882.33               | -1,102.24       | 2,064.33                     | 1,963.90                      | 100.43                          | 20.555               |         |           |
| 14,300.00                                     | 11,190.77                   | 14,898.82                   | 11,775.25                   | 46.66               | 59.85            | -106.42                     | 2,968.00               | -1,105.67       | 2,066.99                     | 1,964.21                      | 102.77                          | 20.112               |         |           |
| 14,400.00                                     | 11,189.91                   | 15,041.82                   | 11,771.62                   | 47.89               | 61.91            | -106.32                     | 3,110.85               | -1,111.01       | 2,069.40                     | 1,963.28                      | 106.12                          | 19.501               |         |           |
| 14,500.00                                     | 11,189.04                   | 15,171.74                   | 11,767.89                   | 49.14               | 63.79            | -106.25                     | 3,240.70               | -1,112.64       | 2,069.09                     | 1,959.86                      | 109.23                          | 18.942               |         |           |
| 14,600.00                                     | 11,188.17                   | 15,311.68                   | 11,762.48                   | 50.39               | 65.82            | -106.15                     | 3,380.54               | -1,112.67       | 2,067.37                     | 1,954.86                      | 112.52                          | 18.374               |         |           |
| 14,700.00                                     | 11,187.31                   | 15,401.57                   | 11,760.77                   | 51.64               | 67.14            | -106.14                     | 3,470.40               | -1,111.53       | 2,065.04                     | 1,950.04                      | 115.01                          | 17.956               |         |           |
| 14,800.00                                     | 11,186.44                   | 15,480.13                   | 11,760.35                   | 52.91               | 68.29            | -106.15                     | 3,548.96               | -1,111.02       | 2,063.66                     | 1,946.35                      | 117.31                          | 17.591               |         |           |
| 14,900.00                                     | 11,185.57                   | 15,585.18                   | 11,759.61                   | 54.17               | 69.84            | -106.17                     | 3,654.00               | -1,110.73       | 2,062.61                     | 1,942.55                      | 120.05                          | 17.181               |         |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 121H - OH - OH

Survey Program: 89-3\_Gyro-NS\_OWSG, 5329-3\_MWD

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 15,000.00                   | 11,184.71                   | 15,691.16                   | 11,759.68                   | 55.44               | 71.41            | -106.21                     | 3,759.98               | -1,109.95       | 2,061.33                     | 1,938.52                      | 122.80                          | 16.785               |         |
| 15,100.00                   | 11,183.84                   | 15,793.34                   | 11,760.14                   | 56.72               | 72.93            | -106.26                     | 3,862.15               | -1,108.70       | 2,059.68                     | 1,934.18                      | 125.50                          | 16.412               |         |
| 15,200.00                   | 11,182.97                   | 15,878.53                   | 11,761.11                   | 58.00               | 74.20            | -106.32                     | 3,947.34               | -1,107.81       | 2,058.41                     | 1,930.48                      | 127.93                          | 16.090               |         |
| 15,273.04                   | 11,182.34                   | 15,935.48                   | 11,762.17                   | 58.94               | 75.05            | -106.36                     | 4,004.27               | -1,107.58       | 2,058.08                     | 1,928.46                      | 129.62                          | 15.878               |         |
| 15,300.00                   | 11,182.11                   | 15,957.96                   | 11,762.68                   | 59.29               | 75.39            | -106.38                     | 4,026.74               | -1,107.58       | 2,058.10                     | 1,927.84                      | 130.26                          | 15.800               |         |
| 15,400.00                   | 11,181.24                   | 16,041.00                   | 11,765.03                   | 60.57               | 76.64            | -106.47                     | 4,109.75               | -1,107.76       | 2,058.54                     | 1,925.89                      | 132.64                          | 15.519               |         |
| 15,500.00                   | 11,180.37                   | 16,137.00                   | 11,767.13                   | 61.87               | 78.10            | -106.55                     | 4,205.72               | -1,108.90       | 2,059.71                     | 1,924.45                      | 135.26                          | 15.228               |         |
| 15,600.00                   | 11,179.51                   | 16,232.00                   | 11,766.76                   | 63.16               | 79.55            | -106.55                     | 4,300.70               | -1,110.82       | 2,060.95                     | 1,923.06                      | 137.90                          | 14.946               |         |
| 15,700.00                   | 11,178.64                   | 16,327.00                   | 11,764.68                   | 64.46               | 81.00            | -106.50                     | 4,395.63               | -1,113.47       | 2,062.42                     | 1,921.85                      | 140.57                          | 14.672               |         |
| 15,800.00                   | 11,177.77                   | 16,403.97                   | 11,762.86                   | 65.76               | 82.19            | -106.45                     | 4,472.53               | -1,116.44       | 2,064.82                     | 1,921.90                      | 142.92                          | 14.447               |         |
| 15,900.00                   | 11,176.91                   | 16,586.38                   | 11,758.65                   | 67.06               | 85.00            | -106.37                     | 4,654.83               | -1,119.53       | 2,064.86                     | 1,917.71                      | 147.15                          | 14.032               |         |
| 16,000.00                   | 11,176.04                   | 16,669.51                   | 11,756.64                   | 68.37               | 86.28            | -106.34                     | 4,737.95               | -1,119.79       | 2,063.92                     | 1,914.27                      | 149.65                          | 13.792               |         |
| 16,033.07                   | 11,175.75                   | 16,694.48                   | 11,756.45                   | 68.80               | 86.66            | -106.34                     | 4,762.91               | -1,119.95       | 2,063.86                     | 1,913.43                      | 150.43                          | 13.720               |         |
| 16,100.00                   | 11,175.17                   | 16,759.75                   | 11,756.38                   | 69.68               | 87.67            | -106.36                     | 4,828.18               | -1,120.46       | 2,063.95                     | 1,911.71                      | 152.24                          | 13.557               |         |
| 16,200.00                   | 11,174.31                   | 16,862.85                   | 11,755.55                   | 70.99               | 89.27            | -106.36                     | 4,931.27               | -1,121.32       | 2,063.93                     | 1,908.87                      | 155.06                          | 13.310               |         |
| 16,300.00                   | 11,173.44                   | 16,963.62                   | 11,754.07                   | 72.30               | 90.83            | -106.34                     | 5,032.03               | -1,122.28       | 2,063.84                     | 1,905.98                      | 157.86                          | 13.074               |         |
| 16,400.00                   | 11,172.57                   | 17,070.23                   | 11,752.13                   | 73.62               | 92.49            | -106.31                     | 5,138.62               | -1,123.25       | 2,063.61                     | 1,902.84                      | 160.77                          | 12.836               |         |
| 16,475.20                   | 11,171.92                   | 17,136.62                   | 11,750.72                   | 74.61               | 93.53            | -106.29                     | 5,204.99               | -1,123.86       | 2,063.39                     | 1,900.66                      | 162.73                          | 12.680               |         |
| 16,500.00                   | 11,171.71                   | 17,157.10                   | 11,750.40                   | 74.93               | 93.84            | -106.29                     | 5,225.46               | -1,124.10       | 2,063.42                     | 1,900.07                      | 163.34                          | 12.632               |         |
| 16,600.00                   | 11,170.84                   | 17,235.53                   | 11,749.43                   | 76.25               | 95.07            | -106.27                     | 5,303.88               | -1,125.43       | 2,064.12                     | 1,898.36                      | 165.76                          | 12.452               |         |
| 16,700.00                   | 11,169.97                   | 17,315.52                   | 11,748.06                   | 77.57               | 96.33            | -106.24                     | 5,383.82               | -1,127.82       | 2,065.90                     | 1,897.70                      | 168.21                          | 12.282               |         |
| 16,800.00                   | 11,169.11                   | 17,477.40                   | 11,745.94                   | 78.90               | 98.87            | -106.20                     | 5,545.61               | -1,132.02       | 2,067.93                     | 1,895.79                      | 172.14                          | 12.013               |         |
| 16,859.44                   | 11,168.59                   | 17,520.94                   | 11,745.97                   | 79.68               | 99.55            | -106.21                     | 5,589.15               | -1,132.21       | 2,067.80                     | 1,894.27                      | 173.52                          | 11.916               |         |
| 16,900.00                   | 11,168.24                   | 17,554.95                   | 11,746.14                   | 80.22               | 100.09           | -106.23                     | 5,623.16               | -1,132.42       | 2,067.86                     | 1,893.32                      | 174.54                          | 11.848               |         |
| 17,000.00                   | 11,167.37                   | 17,700.73                   | 11,745.12                   | 81.55               | 102.37           | -106.25                     | 5,768.93               | -1,132.20       | 2,066.86                     | 1,888.77                      | 178.10                          | 11.605               |         |
| 17,100.00                   | 11,166.51                   | 17,814.97                   | 11,742.34                   | 82.87               | 104.17           | -106.21                     | 5,883.13               | -1,131.12       | 2,064.69                     | 1,883.54                      | 181.15                          | 11.398               |         |
| 17,200.00                   | 11,165.64                   | 17,895.76                   | 11,739.88                   | 84.20               | 105.44           | -106.18                     | 5,963.87               | -1,130.27       | 2,062.30                     | 1,878.61                      | 183.68                          | 11.227               |         |
| 17,300.00                   | 11,164.77                   | 17,983.32                   | 11,738.50                   | 85.53               | 106.82           | -106.17                     | 6,051.42               | -1,130.40       | 2,061.35                     | 1,875.04                      | 186.31                          | 11.064               |         |
| 17,400.00                   | 11,163.91                   | 18,093.79                   | 11,735.48                   | 86.86               | 108.57           | -106.12                     | 6,161.85               | -1,130.04       | 2,059.64                     | 1,870.31                      | 189.33                          | 10.879               |         |
| 17,500.00                   | 11,163.04                   | 18,174.22                   | 11,735.43                   | 88.19               | 109.84           | -106.15                     | 6,242.28               | -1,129.59       | 2,058.50                     | 1,866.69                      | 191.81                          | 10.732               |         |
| 17,553.17                   | 11,162.58                   | 18,214.80                   | 11,735.67                   | 88.90               | 110.48           | -106.17                     | 6,282.86               | -1,129.64       | 2,058.34                     | 1,865.26                      | 193.08                          | 10.661               |         |
| 17,600.00                   | 11,162.18                   | 18,256.66                   | 11,735.94                   | 89.53               | 111.14           | -106.18                     | 6,324.72               | -1,129.90       | 2,058.43                     | 1,864.12                      | 194.30                          | 10.594               |         |
| 17,700.00                   | 11,161.31                   | 18,353.36                   | 11,735.96                   | 90.86               | 112.68           | -106.21                     | 6,421.41               | -1,130.78       | 2,058.71                     | 1,861.65                      | 197.06                          | 10.447               |         |
| 17,800.00                   | 11,160.44                   | 18,439.02                   | 11,735.49                   | 92.20               | 114.04           | -106.21                     | 6,507.06               | -1,132.01       | 2,059.36                     | 1,859.73                      | 199.63                          | 10.316               |         |
| 17,900.00                   | 11,159.58                   | 18,516.00                   | 11,735.62                   | 93.53               | 115.26           | -106.22                     | 6,584.01               | -1,133.99       | 2,061.22                     | 1,859.21                      | 202.02                          | 10.203               |         |
| 18,000.00                   | 11,158.71                   | 18,593.33                   | 11,736.17                   | 94.87               | 116.50           | -106.24                     | 6,661.29               | -1,136.75       | 2,064.20                     | 1,859.81                      | 204.39                          | 10.099               |         |
| 18,100.00                   | 11,157.84                   | 18,615.28                   | 11,736.34                   | 96.21               | 120.04           | -106.29                     | 6,883.19               | -1,139.04       | 2,064.68                     | 1,855.32                      | 209.36                          | 9.862                |         |
| 18,200.00                   | 11,156.98                   | 18,908.30                   | 11,736.39                   | 97.55               | 121.51           | -106.33                     | 6,976.19               | -1,137.39       | 2,062.40                     | 1,850.34                      | 212.06                          | 9.726                |         |
| 18,300.00                   | 11,156.11                   | 18,996.75                   | 11,736.67                   | 98.89               | 122.92           | -106.38                     | 7,064.63               | -1,136.03       | 2,060.43                     | 1,845.75                      | 214.68                          | 9.598                |         |
| 18,400.00                   | 11,155.24                   | 19,088.00                   | 11,737.49                   | 100.23              | 124.37           | -106.44                     | 7,155.87               | -1,134.96       | 2,058.96                     | 1,841.63                      | 217.33                          | 9.474                |         |
| 18,500.00                   | 11,154.38                   | 19,174.72                   | 11,738.65                   | 101.57              | 125.75           | -106.50                     | 7,242.58               | -1,134.30       | 2,058.02                     | 1,838.13                      | 219.89                          | 9.359                |         |
| 18,600.00                   | 11,153.51                   | 19,270.65                   | 11,739.90                   | 102.91              | 127.28           | -106.56                     | 7,338.50               | -1,134.02       | 2,057.52                     | 1,834.90                      | 222.61                          | 9.243                |         |
| 18,700.00                   | 11,152.64                   | 19,376.19                   | 11,740.62                   | 104.26              | 128.97           | -106.61                     | 7,444.04               | -1,133.79       | 2,056.92                     | 1,831.41                      | 225.51                          | 9.121                |         |
| 18,733.18                   | 11,152.36                   | 19,395.00                   | 11,740.72                   | 104.70              | 129.27           | -106.62                     | 7,462.85               | -1,133.74       | 2,056.74                     | 1,830.55                      | 226.19                          | 9.093                |         |
| 18,800.00                   | 11,151.78                   | 19,395.00                   | 11,740.72                   | 105.60              | 129.27           | -106.62                     | 7,462.85               | -1,133.74       | 2,057.83                     | 1,831.03                      | 226.80                          | 9.073                |         |
| 18,849.18                   | 11,151.35                   | 19,395.00                   | 11,740.72                   | 106.26              | 129.27           | -106.62                     | 7,462.85               | -1,133.74       | 2,060.01                     | 1,832.91                      | 227.10                          | 9.071                | SF      |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 25H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11718-3_MWD |                             |                             |                             |                             |                                |                             | Rule Assigned:                            |                 |                                          |                               |                                 | Offset Site Error:   | 0.00 usft                             |
|-------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|---------------------------------------|
| Reference                                       |                             |                             |                             |                             |                                |                             | Offset Well Error:                        |                 |                                          |                               |                                 | Offset Well Error:   | 0.00 usft                             |
| Measured<br>Depth<br>(usft)                     | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi<br>Reference<br>(usft) | Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning                               |
| 16,700.00                                       | 11,169.97                   | 11,200.00                   | 11,176.16                   | 77.57                       | 38.88                          | 133.50                      | 7,430.33                                  | 862.08          | 1,988.37                                 | 1,927.50                      | 60.87                           | 32.666               |                                       |
| 16,800.00                                       | 11,169.11                   | 11,197.29                   | 11,173.45                   | 78.90                       | 38.87                          | 130.00                      | 7,430.34                                  | 862.07          | 1,888.38                                 | 1,827.45                      | 60.93                           | 30.991               |                                       |
| 16,900.00                                       | 11,168.24                   | 11,196.34                   | 11,172.50                   | 80.22                       | 38.86                          | 128.69                      | 7,430.34                                  | 862.07          | 1,788.40                                 | 1,727.38                      | 61.01                           | 29.312               |                                       |
| 17,000.00                                       | 11,167.37                   | 11,195.38                   | 11,171.54                   | 81.55                       | 38.86                          | 127.30                      | 7,430.34                                  | 862.07          | 1,688.41                                 | 1,627.32                      | 61.09                           | 27.637               |                                       |
| 17,100.00                                       | 11,166.51                   | 11,194.40                   | 11,170.56                   | 82.87                       | 38.86                          | 125.83                      | 7,430.34                                  | 862.07          | 1,588.43                                 | 1,527.26                      | 61.17                           | 25.968               |                                       |
| 17,200.00                                       | 11,165.64                   | 11,193.40                   | 11,169.57                   | 84.20                       | 38.85                          | 124.29                      | 7,430.34                                  | 862.07          | 1,488.45                                 | 1,427.21                      | 61.24                           | 24.304               |                                       |
| 17,300.00                                       | 11,164.77                   | 11,192.39                   | 11,168.56                   | 85.53                       | 38.85                          | 122.65                      | 7,430.35                                  | 862.07          | 1,388.47                                 | 1,327.16                      | 61.31                           | 22.646               |                                       |
| 17,400.00                                       | 11,163.91                   | 11,191.37                   | 11,167.53                   | 86.86                       | 38.85                          | 120.94                      | 7,430.35                                  | 862.07          | 1,288.49                                 | 1,227.11                      | 61.38                           | 20.992               |                                       |
| 17,500.00                                       | 11,163.04                   | 11,190.32                   | 11,166.49                   | 88.19                       | 38.84                          | 119.12                      | 7,430.35                                  | 862.07          | 1,188.52                                 | 1,127.08                      | 61.44                           | 19.344               |                                       |
| 17,600.00                                       | 11,162.18                   | 11,189.27                   | 11,165.43                   | 89.53                       | 38.84                          | 117.21                      | 7,430.36                                  | 862.06          | 1,088.55                                 | 1,027.05                      | 61.50                           | 17.701               |                                       |
| 17,700.00                                       | 11,161.31                   | 11,188.19                   | 11,164.35                   | 90.86                       | 38.83                          | 115.20                      | 7,430.36                                  | 862.06          | 988.59                                   | 927.04                        | 61.54                           | 16.063               |                                       |
| 17,800.00                                       | 11,160.44                   | 11,187.10                   | 11,163.26                   | 92.20                       | 38.83                          | 113.09                      | 7,430.36                                  | 862.06          | 888.63                                   | 827.05                        | 61.58                           | 14.430               |                                       |
| 17,900.00                                       | 11,159.58                   | 11,185.99                   | 11,162.15                   | 93.53                       | 38.83                          | 110.87                      | 7,430.37                                  | 862.06          | 788.68                                   | 727.08                        | 61.60                           | 12.803               |                                       |
| 18,000.00                                       | 11,158.71                   | 11,184.86                   | 11,161.02                   | 94.87                       | 38.82                          | 108.55                      | 7,430.37                                  | 862.06          | 688.74                                   | 627.14                        | 61.60                           | 11.180               |                                       |
| 18,100.00                                       | 11,157.84                   | 11,183.71                   | 11,159.87                   | 96.21                       | 38.82                          | 106.12                      | 7,430.37                                  | 862.06          | 588.82                                   | 527.24                        | 61.58                           | 9.561                |                                       |
| 18,200.00                                       | 11,156.98                   | 11,182.54                   | 11,158.70                   | 97.55                       | 38.81                          | 103.58                      | 7,430.38                                  | 862.06          | 488.94                                   | 427.40                        | 61.53                           | 7.946                |                                       |
| 18,300.00                                       | 11,156.11                   | 11,181.35                   | 11,157.52                   | 98.89                       | 38.81                          | 100.95                      | 7,430.38                                  | 862.05          | 389.10                                   | 327.65                        | 61.45                           | 6.332                |                                       |
| 18,400.00                                       | 11,155.24                   | 11,180.14                   | 11,156.31                   | 100.23                      | 38.81                          | 98.22                       | 7,430.39                                  | 862.05          | 289.38                                   | 227.97                        | 61.41                           | 4.712                |                                       |
| 18,500.00                                       | 11,154.38                   | 11,178.92                   | 11,155.08                   | 101.57                      | 38.80                          | 95.41                       | 7,430.39                                  | 862.05          | 189.94                                   | 128.08                        | 61.86                           | 3.070                |                                       |
| 18,600.00                                       | 11,153.51                   | 11,177.67                   | 11,153.83                   | 102.91                      | 38.80                          | 92.52                       | 7,430.40                                  | 862.05          | 91.72                                    | 23.69                         | 68.03                           | 1.348                | Collision Avoidance Req.              |
| 18,688.38                                       | 11,152.74                   | 11,176.54                   | 11,152.71                   | 104.10                      | 38.79                          | 89.91                       | 7,430.40                                  | 862.05          | 24.65                                    | -117.86                       | 142.51                          | 0.173                | No-Go Zone - Stop Drilling, CC, ES, S |
| 18,700.00                                       | 11,152.64                   | 11,176.39                   | 11,152.56                   | 104.26                      | 38.79                          | 89.57                       | 7,430.40                                  | 862.05          | 27.26                                    | -109.68                       | 136.94                          | 0.199                | No-Go Zone - Stop Drilling            |
| 18,800.00                                       | 11,151.78                   | 11,175.10                   | 11,151.26                   | 105.60                      | 38.79                          | 86.56                       | 7,430.41                                  | 862.04          | 114.33                                   | 36.93                         | 77.40                           | 1.477                | Collision Avoidance Req.              |
| 18,849.18                                       | 11,151.35                   | 11,174.45                   | 11,150.61                   | 106.26                      | 38.79                          | 85.06                       | 7,430.41                                  | 862.04          | 162.69                                   | 90.13                         | 72.56                           | 2.242                |                                       |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design:** Coonskin Fee Pad - (O) Coonskin Fee 28H - OH - OH

|                                                                |                 |                 |                 |                  |                        |                 |                               |               |                |                 |                   |                   |                           |           |
|----------------------------------------------------------------|-----------------|-----------------|-----------------|------------------|------------------------|-----------------|-------------------------------|---------------|----------------|-----------------|-------------------|-------------------|---------------------------|-----------|
| <b>Survey Program:</b> 100-3_Gyro-NS_OWSG, 11723-3_MWD+IFR1+MS |                 |                 |                 |                  |                        |                 | <b>Rule Assigned:</b>         |               |                |                 |                   |                   | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Reference</b>                                               |                 |                 |                 |                  |                        |                 | <b>Distance</b>               |               |                |                 |                   |                   | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Measured</b>                                                | <b>Vertical</b> | <b>Measured</b> | <b>Vertical</b> | <b>Reference</b> | <b>Semi Major Axis</b> | <b>Highside</b> | <b>Offset Wellbore Centre</b> |               | <b>Between</b> | <b>Between</b>  | <b>Minimum</b>    | <b>Separation</b> | <b>Warning</b>            |           |
| <b>Depth</b>                                                   | <b>Depth</b>    | <b>Depth</b>    | <b>Depth</b>    | <b>Depth</b>     | <b>Offset</b>          | <b>Toolface</b> | <b>+N/-S</b>                  | <b>+E/-W</b>  | <b>Centres</b> | <b>Ellipses</b> | <b>Separation</b> | <b>Factor</b>     |                           |           |
| <b>(usft)</b>                                                  | <b>(usft)</b>   | <b>(usft)</b>   | <b>(usft)</b>   | <b>(usft)</b>    | <b>(usft)</b>          | <b>(°)</b>      | <b>(usft)</b>                 | <b>(usft)</b> | <b>(usft)</b>  | <b>(usft)</b>   | <b>(usft)</b>     |                   |                           |           |
| 18,100.00                                                      | 11,157.84       | 11,132.26       | 11,108.07       | 96.21            | 38.72                  | -88.72          | 7,509.59                      | -1,128.89     | 2,082.01       | 1,949.91        | 132.10            | 15.761            |                           |           |
| 18,200.00                                                      | 11,156.98       | 11,133.76       | 11,109.56       | 97.55            | 38.72                  | -88.77          | 7,509.64                      | -1,128.91     | 2,051.27       | 1,916.97        | 134.30            | 15.274            |                           |           |
| 18,300.00                                                      | 11,156.11       | 11,135.29       | 11,111.09       | 98.89            | 38.73                  | -88.81          | 7,509.69                      | -1,128.94     | 2,025.01       | 1,888.65        | 136.36            | 14.850            |                           |           |
| 18,400.00                                                      | 11,155.24       | 11,136.87       | 11,112.67       | 100.23           | 38.74                  | -88.86          | 7,509.75                      | -1,128.96     | 2,003.39       | 1,865.13        | 138.26            | 14.490            |                           |           |
| 18,500.00                                                      | 11,154.38       | 11,138.49       | 11,114.29       | 101.57           | 38.74                  | -88.90          | 7,509.80                      | -1,128.98     | 1,986.58       | 1,846.61        | 139.97            | 14.193            |                           |           |
| 18,600.00                                                      | 11,153.51       | 11,140.15       | 11,115.95       | 102.91           | 38.75                  | -88.95          | 7,509.86                      | -1,129.01     | 1,974.70       | 1,833.23        | 141.47            | 13.959            |                           |           |
| 18,700.00                                                      | 11,152.64       | 11,141.87       | 11,117.66       | 104.26           | 38.75                  | -89.00          | 7,509.91                      | -1,129.04     | 1,967.83       | 1,825.10        | 142.73            | 13.787            |                           |           |
| 18,785.52                                                      | 11,151.90       | 11,143.37       | 11,119.16       | 105.41           | 38.76                  | -89.05          | 7,509.97                      | -1,129.06     | 1,965.97       | 1,822.36        | 143.61            | 13.690            | CC                        |           |
| 18,800.00                                                      | 11,151.78       | 11,143.63       | 11,119.42       | 105.60           | 38.76                  | -89.05          | 7,509.98                      | -1,129.07     | 1,966.02       | 1,822.28        | 143.74            | 13.678            | ES                        |           |
| 18,849.18                                                      | 11,151.35       | 11,144.51       | 11,120.31       | 106.26           | 38.76                  | -89.08          | 7,510.01                      | -1,129.08     | 1,967.00       | 1,822.86        | 144.14            | 13.646            | SF                        |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 601H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11491-3_MWD+IFR1+MS |                       |                       |                       |                  |               |                       | Rule Assigned:         |              |                        |                         |                           | Offset Well Error: 0.00 usft |         |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|------------------------------|---------|
| Reference                                               |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         |                           | Separation Factor            | Warning |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) |                              |         |
| 10,500.00                                               | 10,436.58             | 19,546.57             | 12,432.27             | 18.66            | 70.37         | -76.72                | -87.81                 | 318.72       | 2,084.32               | 1,999.34                | 84.98                     | 24.526                       |         |
| 10,600.00                                               | 10,536.58             | 19,552.60             | 12,432.63             | 18.71            | 70.41         | -77.28                | -93.83                 | 318.54       | 1,988.78               | 1,903.41                | 85.36                     | 23.298                       |         |
| 10,700.00                                               | 10,636.58             | 19,558.64             | 12,432.99             | 18.76            | 70.45         | -77.84                | -99.85                 | 318.36       | 1,893.67               | 1,807.92                | 85.75                     | 22.084                       |         |
| 10,800.00                                               | 10,736.14             | 19,556.74             | 12,432.88             | 18.83            | 70.44         | -105.11               | -97.96                 | 318.42       | 1,798.94               | 1,712.86                | 86.08                     | 20.899                       |         |
| 10,900.00                                               | 10,832.81             | 19,537.56             | 12,431.72             | 18.88            | 70.32         | -125.90               | -78.82                 | 318.99       | 1,706.29               | 1,620.00                | 86.29                     | 19.774                       |         |
| 11,000.00                                               | 10,923.66             | 19,500.71             | 12,429.50             | 18.91            | 70.08         | -137.83               | -42.06                 | 320.08       | 1,618.55               | 1,532.18                | 86.37                     | 18.739                       |         |
| 11,100.00                                               | 11,005.93             | 19,429.99             | 12,424.71             | 18.96            | 69.64         | -144.22               | 28.47                  | 322.21       | 1,537.96               | 1,451.81                | 86.15                     | 17.853                       |         |
| 11,200.00                                               | 11,077.11             | 19,377.20             | 12,420.83             | 19.07            | 69.31         | -148.72               | 81.09                  | 323.83       | 1,466.76               | 1,380.60                | 86.16                     | 17.023                       |         |
| 11,300.00                                               | 11,135.05             | 19,314.00             | 12,417.51             | 19.25            | 68.92         | -151.49               | 144.17                 | 325.79       | 1,408.50               | 1,322.40                | 86.11                     | 16.358                       |         |
| 11,400.00                                               | 11,177.98             | 19,278.96             | 12,416.60             | 19.50            | 68.70         | -153.44               | 179.18                 | 326.88       | 1,365.50               | 1,279.16                | 86.33                     | 15.817                       |         |
| 11,500.00                                               | 11,204.59             | 19,219.00             | 12,417.35             | 19.84            | 68.33         | -154.41               | 239.10                 | 328.76       | 1,340.53               | 1,254.26                | 86.27                     | 15.539                       |         |
| 11,600.00                                               | 11,214.09             | 19,105.88             | 12,418.59             | 20.26            | 67.63         | -154.73               | 352.18                 | 330.56       | 1,331.96               | 1,246.22                | 85.74                     | 15.535                       |         |
| 11,683.51                                               | 11,214.18             | 19,030.00             | 12,417.93             | 20.67            | 67.16         | -154.73               | 428.06                 | 329.96       | 1,331.19               | 1,245.80                | 85.39                     | 15.589                       |         |
| 11,700.00                                               | 11,213.30             | 19,030.00             | 12,417.93             | 20.76            | 67.16         | -154.74               | 428.06                 | 329.96       | 1,332.00               | 1,246.56                | 85.44                     | 15.590                       |         |
| 11,800.00                                               | 11,212.44             | 18,959.99             | 12,418.76             | 21.31            | 66.73         | -154.76               | 498.05                 | 329.14       | 1,334.17               | 1,249.00                | 85.17                     | 15.665                       |         |
| 11,900.00                                               | 11,211.57             | 18,827.70             | 12,422.80             | 21.92            | 65.93         | -154.91               | 630.27                 | 329.36       | 1,337.47               | 1,252.97                | 84.50                     | 15.828                       |         |
| 12,000.00                                               | 11,210.70             | 18,750.24             | 12,424.56             | 22.59            | 65.46         | -155.01               | 707.70                 | 330.11       | 1,339.56               | 1,255.35                | 84.20                     | 15.908                       |         |
| 12,100.00                                               | 11,209.84             | 18,601.68             | 12,426.85             | 23.31            | 64.56         | -155.14               | 856.23                 | 330.56       | 1,341.49               | 1,258.01                | 83.48                     | 16.069                       |         |
| 12,200.00                                               | 11,208.97             | 18,460.00             | 12,420.83             | 24.07            | 63.71         | -155.07               | 997.77                 | 329.70       | 1,337.89               | 1,255.07                | 82.82                     | 16.154                       |         |
| 12,296.02                                               | 11,208.14             | 18,413.80             | 12,419.07             | 24.85            | 63.44         | -155.04               | 1,043.93               | 329.18       | 1,335.77               | 1,252.96                | 82.81                     | 16.130                       |         |
| 12,300.00                                               | 11,208.10             | 18,412.20             | 12,419.05             | 24.88            | 63.43         | -155.04               | 1,045.53               | 329.15       | 1,335.77               | 1,252.96                | 82.81                     | 16.130                       |         |
| 12,400.00                                               | 11,207.24             | 18,364.00             | 12,419.96             | 25.73            | 63.14         | -155.04               | 1,093.70               | 328.33       | 1,338.25               | 1,255.52                | 82.73                     | 16.176                       |         |
| 12,500.00                                               | 11,206.37             | 18,161.22             | 12,412.67             | 26.63            | 61.94         | -154.56               | 1,295.83               | 316.57       | 1,337.26               | 1,255.34                | 81.92                     | 16.324                       |         |
| 12,600.00                                               | 11,205.50             | 18,034.75             | 12,399.50             | 27.55            | 61.19         | -153.98               | 1,421.20               | 306.47       | 1,331.46               | 1,249.90                | 81.56                     | 16.325                       |         |
| 12,700.00                                               | 11,204.64             | 17,965.00             | 12,393.72             | 28.51            | 60.79         | -153.75               | 1,490.59               | 302.40       | 1,327.00               | 1,245.47                | 81.52                     | 16.278                       |         |
| 12,800.00                                               | 11,203.77             | 17,889.00             | 12,391.17             | 29.51            | 60.35         | -153.67               | 1,566.50               | 300.64       | 1,325.22               | 1,243.81                | 81.42                     | 16.277                       |         |
| 12,900.00                                               | 11,202.90             | 17,759.18             | 12,387.41             | 30.52            | 59.60         | -153.62               | 1,696.25               | 299.60       | 1,323.59               | 1,242.54                | 81.05                     | 16.331                       |         |
| 13,000.00                                               | 11,202.04             | 17,646.31             | 12,380.71             | 31.57            | 58.96         | -153.53               | 1,808.92               | 299.16       | 1,318.76               | 1,237.97                | 80.79                     | 16.323                       |         |
| 13,100.00                                               | 11,201.17             | 17,554.22             | 12,376.10             | 32.64            | 58.44         | -153.50               | 1,900.90               | 299.39       | 1,314.54               | 1,233.89                | 80.65                     | 16.299                       |         |
| 13,200.00                                               | 11,200.30             | 17,443.07             | 12,370.52             | 33.72            | 57.82         | -153.47               | 2,011.90               | 299.95       | 1,310.23               | 1,229.80                | 80.43                     | 16.290                       |         |
| 13,300.00                                               | 11,199.44             | 17,357.70             | 12,365.80             | 34.83            | 57.35         | -153.43               | 2,097.14               | 300.33       | 1,305.52               | 1,225.17                | 80.35                     | 16.248                       |         |
| 13,400.00                                               | 11,198.57             | 17,260.08             | 12,362.48             | 35.95            | 56.82         | -153.47               | 2,194.69               | 301.59       | 1,302.28               | 1,222.08                | 80.21                     | 16.237                       |         |
| 13,500.00                                               | 11,197.70             | 17,163.19             | 12,358.36             | 37.10            | 56.29         | -153.47               | 2,291.49               | 302.53       | 1,298.43               | 1,218.35                | 80.08                     | 16.213                       |         |
| 13,600.00                                               | 11,196.84             | 17,089.57             | 12,355.75             | 38.25            | 55.89         | -153.45               | 2,365.07               | 302.31       | 1,295.86               | 1,215.80                | 80.06                     | 16.186                       |         |
| 13,651.89                                               | 11,196.39             | 17,055.52             | 12,355.20             | 38.86            | 55.71         | -153.45               | 2,399.11               | 302.03       | 1,295.50               | 1,215.45                | 80.06                     | 16.183                       |         |
| 13,700.00                                               | 11,195.97             | 17,021.37             | 12,355.11             | 39.42            | 55.53         | -153.45               | 2,433.25               | 301.65       | 1,295.79               | 1,215.76                | 80.04                     | 16.190                       |         |
| 13,800.00                                               | 11,195.10             | 16,938.93             | 12,355.83             | 40.60            | 55.09         | -153.46               | 2,515.68               | 300.57       | 1,297.55               | 1,217.58                | 79.97                     | 16.226                       |         |
| 13,900.00                                               | 11,194.24             | 16,832.02             | 12,356.83             | 41.79            | 54.53         | -153.45               | 2,622.56               | 298.36       | 1,299.70               | 1,219.82                | 79.87                     | 16.272                       |         |
| 14,000.00                                               | 11,193.37             | 16,669.21             | 12,354.65             | 42.99            | 53.68         | -153.29               | 2,785.24               | 293.15       | 1,301.03               | 1,221.29                | 79.74                     | 16.315                       |         |
| 14,100.00                                               | 11,192.50             | 16,562.30             | 12,348.13             | 44.21            | 53.13         | -153.07               | 2,891.90               | 289.66       | 1,297.41               | 1,217.65                | 79.77                     | 16.265                       |         |
| 14,200.00                                               | 11,191.64             | 16,471.54             | 12,343.50             | 45.43            | 52.67         | -152.94               | 2,982.51               | 287.53       | 1,294.31               | 1,214.50                | 79.81                     | 16.217                       |         |
| 14,300.00                                               | 11,190.77             | 16,389.87             | 12,340.34             | 46.66            | 52.26         | -152.85               | 3,064.11               | 285.74       | 1,292.24               | 1,212.37                | 79.87                     | 16.179                       |         |
| 14,400.00                                               | 11,189.91             | 16,284.15             | 12,337.05             | 47.89            | 51.74         | -152.74               | 3,169.74               | 283.19       | 1,290.96               | 1,211.05                | 79.91                     | 16.155                       |         |
| 14,500.00                                               | 11,189.04             | 16,162.71             | 12,331.83             | 49.14            | 51.15         | -152.60               | 3,291.04               | 280.86       | 1,288.40               | 1,208.44                | 79.96                     | 16.113                       |         |
| 14,600.00                                               | 11,188.17             | 16,048.83             | 12,325.19             | 50.39            | 50.60         | -152.46               | 3,404.72               | 279.32       | 1,284.18               | 1,204.15                | 80.04                     | 16.045                       |         |
| 14,700.00                                               | 11,187.31             | 15,941.72             | 12,319.45             | 51.64            | 50.10         | -152.42               | 3,511.67               | 279.69       | 1,279.65               | 1,199.56                | 80.10                     | 15.977                       |         |
| 14,800.00                                               | 11,186.44             | 15,840.17             | 12,313.73             | 52.91            | 49.63         | -152.42               | 3,613.03               | 281.55       | 1,274.18               | 1,194.03                | 80.15                     | 15.898                       |         |
| 14,900.00                                               | 11,185.57             | 15,744.93             | 12,311.49             | 54.17            | 49.20         | -152.69               | 3,708.02               | 288.03       | 1,269.31               | 1,189.23                | 80.07                     | 15.852                       |         |
| 15,000.00                                               | 11,184.71             | 15,657.46             | 12,309.11             | 55.44            | 48.82         | -152.88               | 3,795.32               | 292.87       | 1,264.76               | 1,184.71                | 80.05                     | 15.800                       |         |
| 15,100.00                                               | 11,183.84             | 15,579.13             | 12,307.34             | 56.72            | 48.47         | -152.98               | 3,873.59               | 295.17       | 1,261.78               | 1,181.70                | 80.08                     | 15.756                       |         |
| 15,200.00                                               | 11,182.97             | 15,516.00             | 12,306.02             | 58.00            | 48.20         | -152.98               | 3,936.71               | 295.08       | 1,260.64               | 1,180.47                | 80.16                     | 15.726                       |         |
| 15,213.01                                               | 11,182.86             | 15,496.68             | 12,305.69             | 58.17            | 48.11         | -152.97               | 3,956.02               | 294.68       | 1,260.56               | 1,180.37                | 80.19                     | 15.720                       |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 601H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11491-3_MWD+IFR1+MS |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          | Rule Assigned:                |                                 | Offset Site Error:   | 0.00 usft  |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|-------------------------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|------------|
| Reference: 100-3_Gyro-NS_OWSG, 11491-3_MWD+IFR1+MS      |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          | Offset Well Error:            |                                 | 0.00 usft            |            |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning    |
| 15,300.00                                               | 11,182.11                   | 15,445.06                   | 12,305.48                   | 59.29               | 47.89                               | -152.91                     | 4,007.60                                  | 292.78          | 1,262.04                                 | 1,181.77                      | 80.28                           | 15.721               |            |
| 15,400.00                                               | 11,181.24                   | 15,202.37                   | 12,293.01                   | 60.57               | 46.88                               | -152.21                     | 4,249.28                                  | 278.65          | 1,261.95                                 | 1,181.04                      | 80.91                           | 15.597               |            |
| 15,500.00                                               | 11,180.37                   | 15,120.88                   | 12,284.80                   | 61.87               | 46.55                               | -152.00                     | 4,330.34                                  | 276.72          | 1,254.50                                 | 1,173.28                      | 81.22                           | 15.446               |            |
| 15,600.00                                               | 11,179.51                   | 15,042.00                   | 12,278.75                   | 63.16               | 46.23                               | -151.87                     | 4,408.97                                  | 275.58          | 1,248.74                                 | 1,167.25                      | 81.49                           | 15.324               |            |
| 15,700.00                                               | 11,178.64                   | 14,958.16                   | 12,274.36                   | 64.46               | 45.91                               | -151.82                     | 4,492.70                                  | 275.57          | 1,244.47                                 | 1,162.76                      | 81.70                           | 15.232               |            |
| 15,800.00                                               | 11,177.77                   | 14,865.98                   | 12,271.13                   | 65.76               | 45.56                               | -151.85                     | 4,584.81                                  | 276.81          | 1,241.09                                 | 1,159.22                      | 81.87                           | 15.160               |            |
| 15,900.00                                               | 11,176.91                   | 14,776.91                   | 12,268.62                   | 67.06               | 45.23                               | -151.88                     | 4,673.83                                  | 277.84          | 1,238.42                                 | 1,156.38                      | 82.04                           | 15.096               |            |
| 16,000.00                                               | 11,176.04                   | 14,683.00                   | 12,264.83                   | 68.37               | 44.82                               | -151.87                     | 4,767.67                                  | 278.11          | 1,235.74                                 | 1,153.46                      | 82.29                           | 15.017               |            |
| 16,100.00                                               | 11,175.17                   | 14,600.37                   | 12,262.95                   | 69.68               | 44.60                               | -151.85                     | 4,850.27                                  | 277.65          | 1,233.84                                 | 1,151.37                      | 82.48                           | 14.960               |            |
| 16,200.00                                               | 11,174.31                   | 14,439.23                   | 12,258.51                   | 70.99               | 44.05                               | -151.84                     | 5,011.28                                  | 277.79          | 1,232.13                                 | 1,149.28                      | 82.85                           | 14.871               |            |
| 16,300.00                                               | 11,173.44                   | 14,353.58                   | 12,253.77                   | 72.30               | 43.77                               | -151.83                     | 5,096.79                                  | 278.93          | 1,227.04                                 | 1,143.93                      | 83.11                           | 14.764               |            |
| 16,400.00                                               | 11,172.57                   | 14,284.00                   | 12,253.37                   | 73.62               | 43.55                               | -152.00                     | 5,166.28                                  | 282.18          | 1,224.53                                 | 1,141.35                      | 83.18                           | 14.722               |            |
| 16,443.82                                               | 11,172.19                   | 14,260.02                   | 12,253.94                   | 74.19               | 43.48                               | -152.08                     | 5,190.21                                  | 283.59          | 1,224.30                                 | 1,141.13                      | 83.17                           | 14.720               |            |
| 16,500.00                                               | 11,171.71                   | 14,216.63                   | 12,255.02                   | 74.93               | 43.35                               | -152.20                     | 5,233.55                                  | 285.48          | 1,224.59                                 | 1,141.41                      | 83.18                           | 14.722               |            |
| 16,600.00                                               | 11,170.84                   | 14,136.58                   | 12,257.01                   | 76.25               | 43.11                               | -152.34                     | 5,313.56                                  | 286.59          | 1,226.50                                 | 1,143.22                      | 83.28                           | 14.727               |            |
| 16,700.00                                               | 11,169.97                   | 14,062.88                   | 12,258.72                   | 77.57               | 42.89                               | -152.34                     | 5,387.21                                  | 284.83          | 1,230.08                                 | 1,146.61                      | 83.47                           | 14.736               |            |
| 16,800.00                                               | 11,169.11                   | 13,997.21                   | 12,261.65                   | 78.90               | 42.70                               | -152.33                     | 5,452.75                                  | 282.11          | 1,236.31                                 | 1,152.69                      | 83.63                           | 14.784               |            |
| 16,900.00                                               | 11,168.24                   | 13,880.40                   | 12,266.45                   | 80.22               | 42.38                               | -152.17                     | 5,569.18                                  | 274.21          | 1,243.51                                 | 1,159.29                      | 84.22                           | 14.766               |            |
| 17,000.00                                               | 11,167.37                   | 13,756.22                   | 12,266.84                   | 81.55               | 42.06                               | -151.82                     | 5,692.92                                  | 263.74          | 1,247.95                                 | 1,162.89                      | 85.06                           | 14.672               |            |
| 17,100.00                                               | 11,166.51                   | 13,612.20                   | 12,267.52                   | 82.87               | 41.71                               | -151.61                     | 5,836.73                                  | 256.12          | 1,251.55                                 | 1,165.65                      | 85.90                           | 14.570               |            |
| 17,200.00                                               | 11,165.64                   | 13,447.92                   | 12,262.04                   | 84.20               | 41.34                               | -151.58                     | 6,000.89                                  | 256.10          | 1,248.48                                 | 1,161.83                      | 86.65                           | 14.409               |            |
| 17,300.00                                               | 11,164.77                   | 13,341.91                   | 12,257.32                   | 85.53               | 41.12                               | -151.63                     | 6,106.76                                  | 258.57          | 1,243.79                                 | 1,156.73                      | 87.06                           | 14.286               |            |
| 17,400.00                                               | 11,163.91                   | 13,235.39                   | 12,253.34                   | 86.86               | 40.92                               | -151.80                     | 6,213.08                                  | 263.47          | 1,238.67                                 | 1,151.29                      | 87.38                           | 14.176               |            |
| 17,500.00                                               | 11,163.04                   | 13,137.62                   | 12,250.34                   | 88.19               | 40.75                               | -152.04                     | 6,310.62                                  | 269.61          | 1,233.36                                 | 1,145.77                      | 87.59                           | 14.081               |            |
| 17,600.00                                               | 11,162.18                   | 13,041.46                   | 12,246.89                   | 89.53               | 40.59                               | -152.20                     | 6,406.60                                  | 274.19          | 1,228.31                                 | 1,140.42                      | 87.89                           | 13.975               |            |
| 17,700.00                                               | 11,161.31                   | 11,210.43                   | 11,181.97                   | 90.86               | 38.98                               | -92.95                      | 7,473.64                                  | 262.51          | 1,185.47                                 | 1,091.52                      | 93.95                           | 12.618               |            |
| 17,800.00                                               | 11,160.44                   | 11,206.15                   | 11,177.68                   | 92.20               | 38.97                               | -92.53                      | 7,473.76                                  | 262.58          | 1,099.10                                 | 1,001.58                      | 97.51                           | 11.271               |            |
| 17,900.00                                               | 11,159.58                   | 11,202.05                   | 11,173.59                   | 93.53               | 38.95                               | -92.12                      | 7,473.87                                  | 262.64          | 1,015.22                                 | 913.63                        | 101.59                          | 9.993                |            |
| 18,000.00                                               | 11,158.71                   | 11,198.10                   | 11,169.64                   | 94.87               | 38.94                               | -91.73                      | 7,473.98                                  | 262.70          | 934.49                                   | 828.26                        | 106.23                          | 8.797                |            |
| 18,100.00                                               | 11,157.84                   | 11,194.30                   | 11,165.84                   | 96.21               | 38.93                               | -91.35                      | 7,474.08                                  | 262.75          | 857.83                                   | 746.35                        | 111.48                          | 7.695                |            |
| 18,200.00                                               | 11,156.98                   | 11,190.69                   | 11,162.24                   | 97.55               | 38.91                               | -90.99                      | 7,474.16                                  | 262.80          | 786.40                                   | 669.08                        | 117.32                          | 6.703                |            |
| 18,300.00                                               | 11,156.11                   | 11,187.28                   | 11,158.82                   | 98.89               | 38.90                               | -90.65                      | 7,474.25                                  | 262.84          | 721.78                                   | 598.16                        | 123.62                          | 5.839                |            |
| 18,400.00                                               | 11,155.24                   | 11,184.03                   | 11,155.58                   | 100.23              | 38.89                               | -90.33                      | 7,474.32                                  | 262.89          | 665.95                                   | 535.89                        | 130.06                          | 5.120                |            |
| 18,500.00                                               | 11,154.38                   | 11,180.94                   | 11,152.49                   | 101.57              | 38.88                               | -90.02                      | 7,474.39                                  | 262.92          | 621.28                                   | 485.25                        | 136.03                          | 4.567                |            |
| 18,600.00                                               | 11,153.51                   | 11,177.99                   | 11,149.54                   | 102.91              | 38.87                               | -89.72                      | 7,474.46                                  | 262.96          | 590.31                                   | 449.66                        | 140.65                          | 4.197                |            |
| 18,700.00                                               | 11,152.64                   | 11,175.00                   | 11,146.55                   | 104.26              | 38.86                               | -89.42                      | 7,474.52                                  | 262.99          | 575.27                                   | 432.29                        | 142.97                          | 4.024                |            |
| 18,737.76                                               | 11,152.32                   | 11,174.14                   | 11,145.69                   | 104.76              | 38.86                               | -89.34                      | 7,474.54                                  | 263.00          | 574.03                                   | 430.91                        | 143.12                          | 4.011                | CC, ES, SF |
| 18,800.00                                               | 11,151.78                   | 11,172.45                   | 11,144.00                   | 105.60              | 38.85                               | -89.17                      | 7,474.57                                  | 263.02          | 577.39                                   | 434.97                        | 142.42                          | 4.054                |            |
| 18,849.18                                               | 11,151.35                   | 11,171.17                   | 11,142.72                   | 106.26              | 38.85                               | -89.04                      | 7,474.60                                  | 263.04          | 584.73                                   | 443.64                        | 141.09                          | 4.144                |            |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 602H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11478-3_MWD+IFR1+MS |                             |                             |                             |                         |                      |                             | Rule Assigned:         |                 |                              |                               | Offset Well Error:              |                      | 0.00 usft |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|----------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                                               |                             | Offset                      |                             | Semi Major Axis         |                      | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               |                                 | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br><br>(usft) | Offset<br><br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) |                      |           |
| 10,700.00                                               | 10,636.58                   | 19,497.00                   | 12,315.83                   | 18.76                   | 70.79                | -85.28                      | -131.15                | -243.59         | 2,036.14                     | 1,949.46                      | 86.68                           | 23.491               |           |
| 10,800.00                                               | 10,736.14                   | 19,497.00                   | 12,315.83                   | 18.83                   | 70.79                | -98.25                      | -131.15                | -243.59         | 1,954.43                     | 1,867.42                      | 87.01                           | 22.461               |           |
| 10,900.00                                               | 10,832.81                   | 19,497.00                   | 12,315.83                   | 18.88                   | 70.79                | -110.49                     | -131.15                | -243.59         | 1,876.03                     | 1,788.65                      | 87.38                           | 21.469               |           |
| 11,000.00                                               | 10,923.66                   | 19,497.00                   | 12,315.83                   | 18.91                   | 70.79                | -119.92                     | -131.15                | -243.59         | 1,803.90                     | 1,716.12                      | 87.77                           | 20.552               |           |
| 11,100.00                                               | 11,005.93                   | 19,462.59                   | 12,316.23                   | 18.96                   | 70.58                | -125.85                     | -96.74                 | -243.20         | 1,740.79                     | 1,652.92                      | 87.86                           | 19.812               |           |
| 11,200.00                                               | 11,077.11                   | 19,395.47                   | 12,316.93                   | 19.07                   | 70.16                | -129.39                     | -29.63                 | -242.58         | 1,687.55                     | 1,599.85                      | 87.70                           | 19.243               |           |
| 11,300.00                                               | 11,135.05                   | 19,315.42                   | 12,317.22                   | 19.25                   | 69.65                | -131.64                     | 50.42                  | -242.57         | 1,645.17                     | 1,557.73                      | 87.44                           | 18.814               |           |
| 11,400.00                                               | 11,177.98                   | 19,194.01                   | 12,316.42                   | 19.50                   | 68.89                | -132.69                     | 171.82                 | -242.63         | 1,613.70                     | 1,526.80                      | 86.90                           | 18.570               |           |
| 11,500.00                                               | 11,204.59                   | 19,055.58                   | 12,314.59                   | 19.84                   | 68.04                | -133.46                     | 310.15                 | -237.86         | 1,590.96                     | 1,504.72                      | 86.24                           | 18.447               |           |
| 11,600.00                                               | 11,214.09                   | 18,962.00                   | 12,312.52                   | 20.26                   | 67.46                | -134.10                     | 403.65                 | -234.44         | 1,579.59                     | 1,493.61                      | 85.98                           | 18.371               |           |
| 11,700.00                                               | 11,213.30                   | 18,886.41                   | 12,310.47                   | 20.76                   | 67.00                | -134.15                     | 479.19                 | -232.92         | 1,576.24                     | 1,490.40                      | 85.84                           | 18.363               |           |
| 11,800.00                                               | 11,212.44                   | 18,818.55                   | 12,308.34                   | 21.31                   | 66.58                | -134.10                     | 547.01                 | -233.77         | 1,574.92                     | 1,489.15                      | 85.77                           | 18.362               |           |
| 11,816.96                                               | 11,212.29                   | 18,806.59                   | 12,308.03                   | 21.41                   | 66.51                | -134.09                     | 558.97                 | -234.05         | 1,574.89                     | 1,489.14                      | 85.76                           | 18.365               |           |
| 11,900.00                                               | 11,211.57                   | 18,738.00                   | 12,307.30                   | 21.92                   | 66.09                | -134.06                     | 627.53                 | -235.64         | 1,575.58                     | 1,489.95                      | 85.63                           | 18.399               |           |
| 12,000.00                                               | 11,210.70                   | 18,624.27                   | 12,306.95                   | 22.59                   | 65.39                | -134.06                     | 741.24                 | -237.30         | 1,576.44                     | 1,491.09                      | 85.35                           | 18.471               |           |
| 12,100.00                                               | 11,209.84                   | 18,507.69                   | 12,305.34                   | 23.31                   | 64.69                | -134.04                     | 857.80                 | -238.48         | 1,576.23                     | 1,491.13                      | 85.09                           | 18.523               |           |
| 12,200.00                                               | 11,208.97                   | 18,391.59                   | 12,300.89                   | 24.07                   | 63.99                | -133.94                     | 973.81                 | -239.87         | 1,574.35                     | 1,489.46                      | 84.89                           | 18.545               |           |
| 12,300.00                                               | 11,208.10                   | 18,298.95                   | 12,296.51                   | 24.88                   | 63.43                | -133.82                     | 1,066.33               | -241.74         | 1,572.50                     | 1,487.65                      | 84.86                           | 18.532               |           |
| 12,400.00                                               | 11,207.24                   | 18,198.40                   | 12,290.57                   | 25.73                   | 62.83                | -133.61                     | 1,166.63               | -245.47         | 1,571.07                     | 1,486.25                      | 84.82                           | 18.522               |           |
| 12,500.00                                               | 11,206.37                   | 18,094.28                   | 12,283.96                   | 26.63                   | 62.21                | -133.39                     | 1,270.47               | -249.31         | 1,569.33                     | 1,484.52                      | 84.82                           | 18.503               |           |
| 12,600.00                                               | 11,205.50                   | 17,990.45                   | 12,278.77                   | 27.55                   | 61.60                | -133.24                     | 1,374.14               | -251.48         | 1,567.39                     | 1,482.56                      | 84.83                           | 18.476               |           |
| 12,700.00                                               | 11,204.64                   | 17,889.57                   | 12,274.96                   | 28.51                   | 61.01                | -133.17                     | 1,474.94               | -252.19         | 1,565.28                     | 1,480.39                      | 84.89                           | 18.439               |           |
| 12,800.00                                               | 11,203.77                   | 17,783.52                   | 12,270.13                   | 29.51                   | 60.40                | -133.06                     | 1,580.87               | -253.43         | 1,562.98                     | 1,478.02                      | 84.96                           | 18.397               |           |
| 12,900.00                                               | 11,202.90                   | 17,691.00                   | 12,265.66                   | 30.52                   | 59.87                | -132.97                     | 1,673.29               | -253.95         | 1,560.09                     | 1,474.99                      | 85.10                           | 18.332               |           |
| 13,000.00                                               | 11,202.04                   | 17,597.00                   | 12,263.55                   | 31.57                   | 59.33                | -132.96                     | 1,767.24               | -253.53         | 1,558.19                     | 1,472.94                      | 85.25                           | 18.278               |           |
| 13,062.22                                               | 11,201.50                   | 17,557.15                   | 12,263.83                   | 32.23                   | 59.11                | -133.00                     | 1,807.09               | -253.10         | 1,557.85                     | 1,472.45                      | 85.40                           | 18.242               |           |
| 13,100.00                                               | 11,201.17                   | 17,522.68                   | 12,263.98                   | 32.64                   | 58.91                | -133.02                     | 1,841.56               | -252.93         | 1,557.81                     | 1,472.35                      | 85.46                           | 18.229               |           |
| 13,100.03                                               | 11,201.17                   | 17,522.65                   | 12,263.98                   | 32.64                   | 58.91                | -133.02                     | 1,841.59               | -252.93         | 1,557.81                     | 1,472.35                      | 85.46                           | 18.229               |           |
| 13,200.00                                               | 11,200.30                   | 17,451.08                   | 12,264.24                   | 33.72                   | 58.51                | -133.05                     | 1,913.15               | -253.43         | 1,558.57                     | 1,472.90                      | 85.68                           | 18.191               |           |
| 13,300.00                                               | 11,199.44                   | 17,371.62                   | 12,265.11                   | 34.83                   | 58.06                | -133.05                     | 1,992.57               | -255.76         | 1,561.35                     | 1,475.46                      | 85.89                           | 18.179               |           |
| 13,400.00                                               | 11,198.57                   | 17,263.27                   | 12,266.46                   | 35.95                   | 57.46                | -133.06                     | 2,100.87               | -258.86         | 1,564.24                     | 1,478.17                      | 86.07                           | 18.174               |           |
| 13,500.00                                               | 11,197.70                   | 17,121.65                   | 12,264.11                   | 37.10                   | 56.68                | -132.92                     | 2,242.36               | -264.17         | 1,565.94                     | 1,479.69                      | 86.25                           | 18.156               |           |
| 13,600.00                                               | 11,196.84                   | 16,988.32                   | 12,257.24                   | 38.25                   | 55.96                | -132.70                     | 2,375.45               | -268.03         | 1,564.40                     | 1,477.91                      | 86.48                           | 18.089               |           |
| 13,700.00                                               | 11,195.97                   | 16,889.82                   | 12,252.16                   | 39.42                   | 55.43                | -132.56                     | 2,473.80               | -269.90         | 1,562.25                     | 1,475.45                      | 86.79                           | 18.000               |           |
| 13,800.00                                               | 11,195.10                   | 16,797.92                   | 12,247.86                   | 40.60                   | 54.94                | -132.45                     | 2,565.58               | -271.53         | 1,560.35                     | 1,473.21                      | 87.13                           | 17.908               |           |
| 13,900.00                                               | 11,194.24                   | 16,710.02                   | 12,244.40                   | 41.79                   | 54.47                | -132.35                     | 2,653.40               | -273.42         | 1,559.21                     | 1,471.73                      | 87.48                           | 17.823               |           |
| 14,000.00                                               | 11,193.37                   | 16,617.64                   | 12,240.64                   | 42.99                   | 53.99                | -132.22                     | 2,745.65               | -276.30         | 1,558.72                     | 1,470.86                      | 87.86                           | 17.742               |           |
| 14,100.00                                               | 11,192.50                   | 16,498.71                   | 12,236.93                   | 44.21                   | 53.38                | -132.10                     | 2,864.49               | -279.00         | 1,558.33                     | 1,470.12                      | 88.20                           | 17.667               |           |
| 14,200.00                                               | 11,191.64                   | 16,365.60                   | 12,236.27                   | 45.43                   | 52.71                | -132.25                     | 2,997.52               | -274.76         | 1,555.50                     | 1,467.06                      | 88.43                           | 17.590               |           |
| 14,300.00                                               | 11,190.77                   | 16,287.22                   | 12,235.98                   | 46.66                   | 52.32                | -132.35                     | 3,075.84               | -271.93         | 1,552.53                     | 1,463.75                      | 88.79                           | 17.486               |           |
| 14,400.00                                               | 11,189.91                   | 16,147.28                   | 12,230.30                   | 47.89                   | 51.63                | -132.28                     | 3,215.63               | -270.74         | 1,549.15                     | 1,460.03                      | 89.12                           | 17.383               |           |
| 14,500.00                                               | 11,189.04                   | 16,052.36                   | 12,224.03                   | 49.14                   | 51.16                | -132.16                     | 3,310.34               | -270.51         | 1,544.46                     | 1,454.89                      | 89.57                           | 17.243               |           |
| 14,600.00                                               | 11,188.17                   | 15,983.00                   | 12,219.17                   | 50.39                   | 50.83                | -132.05                     | 3,379.53               | -271.00         | 1,540.46                     | 1,450.39                      | 90.07                           | 17.102               |           |
| 14,700.00                                               | 11,187.31                   | 15,909.03                   | 12,215.09                   | 51.64                   | 50.48                | -131.93                     | 3,453.37               | -272.37         | 1,538.26                     | 1,447.70                      | 90.56                           | 16.986               |           |
| 14,800.00                                               | 11,186.44                   | 15,804.56                   | 12,211.52                   | 52.91                   | 49.99                | -131.82                     | 3,557.75               | -274.98         | 1,537.79                     | 1,446.75                      | 91.05                           | 16.890               |           |
| 14,900.00                                               | 11,185.57                   | 15,708.12                   | 12,207.10                   | 54.17                   | 49.54                | -131.67                     | 3,654.04               | -277.66         | 1,536.74                     | 1,445.18                      | 91.56                           | 16.783               |           |
| 15,000.00                                               | 11,184.71                   | 15,614.18                   | 12,202.10                   | 55.44                   | 49.11                | -131.48                     | 3,747.77               | -281.38         | 1,536.10                     | 1,443.97                      | 92.12                           | 16.674               |           |
| 15,100.00                                               | 11,183.84                   | 15,518.03                   | 12,196.60                   | 56.72                   | 48.68                | -131.26                     | 3,843.66               | -285.93         | 1,535.79                     | 1,443.07                      | 92.72                           | 16.564               |           |
| 15,152.70                                               | 11,183.38                   | 15,468.04                   | 12,193.68                   | 57.39                   | 48.46                | -131.14                     | 3,893.50               | -288.48         | 1,535.74                     | 1,442.70                      | 93.04                           | 16.506               |           |
| 15,200.00                                               | 11,182.97                   | 15,426.42                   | 12,191.12                   | 58.00                   | 48.27                | -131.03                     | 3,934.98               | -290.79         | 1,535.77                     | 1,442.44                      | 93.33                           | 16.455               |           |
| 15,300.00                                               | 11,182.11                   | 15,289.64                   | 12,183.39                   | 59.29                   | 47.68                | -130.74                     | 4,071.41               | -296.44         | 1,535.16                     | 1,441.14                      | 94.02                           | 16.328               |           |
| 15,400.00                                               | 11,181.24                   | 15,133.20                   | 12,174.94                   | 60.57                   | 47.03                | -130.58                     | 4,227.60               | -295.74         | 1,531.14                     | 1,436.53                      | 94.61                           | 16.184               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 602H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11478-3_MWD+IFR1+MS |                             |                             |                             |                              |        |                             |                                           |                 |                                          | Rule Assigned:                |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|--------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                                               |                             |                             |                             |                              |        |                             |                                           |                 |                                          | Offset Well Error:            |                                 | 0.00 usft            |           |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference | Offset | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 15,500.00                                               | 11,180.37                   | 15,060.19                   | 12,173.49                   | 61.87                        | 46.74  | -130.66                     | 4,300.50                                  | -292.41         | 1,526.30                                 | 1,431.17                      | 95.12                           | 16.045               |           |
| 15,600.00                                               | 11,179.51                   | 14,914.24                   | 12,173.81                   | 63.16                        | 46.16  | -130.99                     | 4,446.05                                  | -281.93         | 1,520.93                                 | 1,425.49                      | 95.43                           | 15.937               |           |
| 15,700.00                                               | 11,178.64                   | 14,846.00                   | 12,174.75                   | 64.46                        | 45.90  | -131.21                     | 4,513.96                                  | -275.50         | 1,514.75                                 | 1,418.88                      | 95.87                           | 15.800               |           |
| 15,800.00                                               | 11,177.77                   | 14,789.85                   | 12,176.19                   | 65.76                        | 45.69  | -131.38                     | 4,569.93                                  | -271.46         | 1,511.14                                 | 1,414.82                      | 96.32                           | 15.689               |           |
| 15,867.93                                               | 11,177.18                   | 14,751.00                   | 12,176.31                   | 66.64                        | 45.54  | -131.41                     | 4,608.78                                  | -271.07         | 1,510.61                                 | 1,413.96                      | 96.65                           | 15.630               |           |
| 15,900.00                                               | 11,176.91                   | 14,727.15                   | 12,176.12                   | 67.06                        | 45.46  | -131.41                     | 4,632.62                                  | -271.45         | 1,510.77                                 | 1,413.95                      | 96.83                           | 15.603               |           |
| 16,000.00                                               | 11,176.04                   | 14,657.00                   | 12,175.08                   | 68.37                        | 45.20  | -131.37                     | 4,702.75                                  | -272.82         | 1,511.51                                 | 1,414.14                      | 97.37                           | 15.524               |           |
| 16,100.00                                               | 11,175.17                   | 14,561.00                   | 12,176.91                   | 69.68                        | 44.85  | -131.43                     | 4,798.69                                  | -274.57         | 1,514.07                                 | 1,416.16                      | 97.91                           | 15.463               |           |
| 16,200.00                                               | 11,174.31                   | 14,403.06                   | 12,171.60                   | 70.99                        | 44.30  | -131.18                     | 4,956.23                                  | -281.44         | 1,515.08                                 | 1,416.24                      | 98.84                           | 15.329               |           |
| 16,300.00                                               | 11,173.44                   | 14,288.09                   | 12,162.51                   | 72.30                        | 43.91  | -130.83                     | 5,070.70                                  | -287.21         | 1,513.60                                 | 1,413.84                      | 99.76                           | 15.172               |           |
| 16,400.00                                               | 11,172.57                   | 14,197.61                   | 12,154.91                   | 73.62                        | 43.61  | -130.54                     | 5,160.74                                  | -291.78         | 1,511.87                                 | 1,411.25                      | 100.62                          | 15.026               |           |
| 16,478.60                                               | 11,171.89                   | 14,139.07                   | 12,150.96                   | 74.65                        | 43.43  | -130.38                     | 5,219.07                                  | -294.64         | 1,511.28                                 | 1,410.06                      | 101.22                          | 14.930               |           |
| 16,500.00                                               | 11,171.71                   | 14,123.87                   | 12,150.34                   | 74.93                        | 43.38  | -130.36                     | 5,234.25                                  | -295.23         | 1,511.33                                 | 1,409.96                      | 101.37                          | 14.909               |           |
| 16,600.00                                               | 11,170.84                   | 14,028.24                   | 12,149.04                   | 76.25                        | 43.09  | -130.30                     | 5,329.83                                  | -297.69         | 1,512.29                                 | 1,410.20                      | 102.09                          | 14.814               |           |
| 16,700.00                                               | 11,169.97                   | 13,883.08                   | 12,146.50                   | 77.57                        | 42.67  | -130.26                     | 5,474.96                                  | -298.95         | 1,511.81                                 | 1,408.88                      | 102.94                          | 14.686               |           |
| 16,800.00                                               | 11,169.11                   | 13,748.69                   | 12,141.06                   | 78.90                        | 42.30  | -130.23                     | 5,609.21                                  | -296.52         | 1,507.48                                 | 1,403.72                      | 103.76                          | 14.529               |           |
| 16,900.00                                               | 11,168.24                   | 13,656.78                   | 12,139.27                   | 80.22                        | 42.06  | -130.31                     | 5,701.04                                  | -293.05         | 1,503.23                                 | 1,398.81                      | 104.42                          | 14.396               |           |
| 17,000.00                                               | 11,167.37                   | 13,558.24                   | 12,138.63                   | 81.55                        | 41.82  | -130.44                     | 5,799.47                                  | -288.65         | 1,499.31                                 | 1,394.25                      | 105.06                          | 14.271               |           |
| 17,100.00                                               | 11,166.51                   | 13,431.40                   | 12,136.98                   | 82.87                        | 41.53  | -130.60                     | 5,926.16                                  | -282.62         | 1,494.82                                 | 1,389.08                      | 105.74                          | 14.137               |           |
| 17,200.00                                               | 11,165.64                   | 13,335.66                   | 12,134.34                   | 84.20                        | 41.32  | -130.69                     | 6,021.74                                  | -277.80         | 1,489.11                                 | 1,382.67                      | 106.44                          | 13.990               |           |
| 17,300.00                                               | 11,164.77                   | 13,250.80                   | 12,131.32                   | 85.53                        | 41.14  | -130.72                     | 6,106.49                                  | -274.93         | 1,484.13                                 | 1,376.95                      | 107.19                          | 13.846               |           |
| 17,400.00                                               | 11,163.91                   | 13,177.33                   | 12,129.11                   | 86.86                        | 40.99  | -130.73                     | 6,179.91                                  | -273.36         | 1,480.50                                 | 1,372.59                      | 107.91                          | 13.720               |           |
| 17,500.00                                               | 11,163.04                   | 13,136.00                   | 12,128.35                   | 88.19                        | 40.91  | -130.73                     | 6,221.23                                  | -272.94         | 1,479.25                                 | 1,370.77                      | 108.48                          | 13.637               |           |
| 17,515.12                                               | 11,162.91                   | 13,109.66                   | 12,128.31                   | 88.40                        | 40.87  | -130.75                     | 6,247.57                                  | -272.84         | 1,479.02                                 | 1,370.37                      | 108.65                          | 13.613               |           |
| 17,600.00                                               | 11,162.18                   | 13,070.01                   | 12,129.53                   | 89.53                        | 40.79  | -130.80                     | 6,287.20                                  | -272.93         | 1,480.78                                 | 1,371.72                      | 109.06                          | 13.578               |           |
| 17,700.00                                               | 11,161.31                   | 12,984.63                   | 12,134.23                   | 90.86                        | 40.65  | -130.93                     | 6,372.42                                  | -274.67         | 1,485.69                                 | 1,376.01                      | 109.68                          | 13.546               |           |
| 17,800.00                                               | 11,160.44                   | 11,162.20                   | 11,135.34                   | 92.20                        | 38.80  | -89.15                      | 7,490.31                                  | -289.50         | 1,479.02                                 | 1,363.49                      | 115.53                          | 12.803               |           |
| 17,900.00                                               | 11,159.58                   | 11,162.44                   | 11,135.58                   | 93.53                        | 38.80  | -89.16                      | 7,490.31                                  | -289.50         | 1,416.26                                 | 1,297.14                      | 119.12                          | 11.889               |           |
| 18,000.00                                               | 11,158.71                   | 11,162.68                   | 11,135.81                   | 94.87                        | 38.80  | -89.17                      | 7,490.32                                  | -289.51         | 1,357.98                                 | 1,235.18                      | 122.81                          | 11.058               |           |
| 18,100.00                                               | 11,157.84                   | 11,162.91                   | 11,136.05                   | 96.21                        | 38.80  | -89.18                      | 7,490.32                                  | -289.51         | 1,304.77                                 | 1,178.27                      | 126.50                          | 10.314               |           |
| 18,200.00                                               | 11,156.98                   | 11,163.15                   | 11,136.28                   | 97.55                        | 38.80  | -89.19                      | 7,490.32                                  | -289.51         | 1,257.28                                 | 1,127.15                      | 130.13                          | 9.662                |           |
| 18,300.00                                               | 11,156.11                   | 11,163.38                   | 11,136.51                   | 98.89                        | 38.80  | -89.21                      | 7,490.33                                  | -289.52         | 1,216.17                                 | 1,082.59                      | 133.57                          | 9.105                |           |
| 18,400.00                                               | 11,155.24                   | 11,163.61                   | 11,136.75                   | 100.23                       | 38.80  | -89.22                      | 7,490.33                                  | -289.52         | 1,182.11                                 | 1,045.40                      | 136.70                          | 8.647                |           |
| 18,500.00                                               | 11,154.38                   | 11,163.85                   | 11,136.98                   | 101.57                       | 38.80  | -89.23                      | 7,490.33                                  | -289.52         | 1,155.72                                 | 1,016.34                      | 139.38                          | 8.292                |           |
| 18,600.00                                               | 11,153.51                   | 11,164.08                   | 11,137.21                   | 102.91                       | 38.80  | -89.24                      | 7,490.33                                  | -289.52         | 1,137.54                                 | 996.06                        | 141.48                          | 8.040                |           |
| 18,700.00                                               | 11,152.64                   | 11,164.31                   | 11,137.44                   | 104.26                       | 38.80  | -89.25                      | 7,490.34                                  | -289.53         | 1,127.97                                 | 985.09                        | 142.89                          | 7.894                |           |
| 18,758.43                                               | 11,152.14                   | 11,164.44                   | 11,137.58                   | 105.04                       | 38.80  | -89.26                      | 7,490.34                                  | -289.53         | 1,126.46                                 | 983.10                        | 143.35                          | 7.858                | CC, ES    |
| 18,800.00                                               | 11,151.78                   | 11,164.54                   | 11,137.68                   | 105.60                       | 38.80  | -89.26                      | 7,490.34                                  | -289.53         | 1,127.22                                 | 983.70                        | 143.53                          | 7.854                | SF        |
| 18,849.18                                               | 11,151.35                   | 11,164.65                   | 11,137.79                   | 106.26                       | 38.81  | -89.27                      | 7,490.34                                  | -289.53         | 1,130.11                                 | 986.55                        | 143.55                          | 7.872                |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 603H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11565-3_MWD+IFR1+MS |                       |                       |                       |                  |               |                        | Rule Assigned: |              |                        |                         | Offset Well Error:        |         | 0.00 usft |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|----------------|--------------|------------------------|-------------------------|---------------------------|---------|-----------|
| Reference                                               |                       | Offset                |                       | Semi Major Axis  |               | Offset Wellbore Centre |                |              | Distance               |                         | Separation                | Warning |           |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft)   | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Factor  |           |
| 12,400.00                                               | 11,207.24             | 18,345.97             | 12,391.88             | 25.73            | 63.01         | -124.67                | 1,190.61       | -822.09      | 2,084.27               | 1,997.90                | 86.37                     | 24.133  |           |
| 12,500.00                                               | 11,206.37             | 18,271.00             | 12,387.09             | 26.63            | 62.56         | -124.56                | 1,265.41       | -823.84      | 2,082.33               | 1,995.73                | 86.60                     | 24.045  |           |
| 12,600.00                                               | 11,205.50             | 18,191.24             | 12,384.96             | 27.55            | 62.09         | -124.52                | 1,345.13       | -824.52      | 2,081.33               | 1,994.50                | 86.83                     | 23.971  |           |
| 12,700.00                                               | 11,204.64             | 18,066.27             | 12,382.77             | 28.51            | 61.37         | -124.51                | 1,470.07       | -824.63      | 2,080.13               | 1,993.24                | 86.90                     | 23.938  |           |
| 12,800.00                                               | 11,203.77             | 17,987.00             | 12,380.39             | 29.51            | 60.91         | -124.47                | 1,549.30       | -825.52      | 2,079.12               | 1,991.94                | 87.18                     | 23.847  |           |
| 12,845.18                                               | 11,203.38             | 17,953.54             | 12,379.29             | 29.96            | 60.71         | -124.45                | 1,582.73       | -826.28      | 2,079.02               | 1,991.69                | 87.33                     | 23.806  |           |
| 12,900.00                                               | 11,202.90             | 17,910.33             | 12,377.17             | 30.52            | 60.46         | -124.39                | 1,625.85       | -828.00      | 2,079.17               | 1,991.67                | 87.51                     | 23.761  |           |
| 13,000.00                                               | 11,202.04             | 17,846.15             | 12,374.26             | 31.57            | 60.09         | -124.29                | 1,689.88       | -831.18      | 2,080.52               | 1,992.64                | 87.88                     | 23.675  |           |
| 13,100.00                                               | 11,201.17             | 17,758.44             | 12,376.21             | 32.64            | 59.59         | -124.33                | 1,777.53       | -833.48      | 2,083.63               | 1,995.46                | 88.17                     | 23.631  |           |
| 13,800.00                                               | 11,195.10             | 16,875.64             | 12,362.07             | 40.60            | 54.77         | -124.24                | 2,659.64       | -837.21      | 2,079.45               | 1,989.29                | 90.16                     | 23.063  |           |
| 13,900.00                                               | 11,194.24             | 16,701.20             | 12,351.66             | 41.79            | 53.88         | -124.21                | 2,833.47       | -827.77      | 2,071.10               | 1,980.77                | 90.32                     | 22.930  |           |
| 14,000.00                                               | 11,193.37             | 16,620.32             | 12,349.95             | 42.99            | 53.47         | -124.32                | 2,913.97       | -820.18      | 2,061.94               | 1,971.12                | 90.83                     | 22.702  |           |
| 14,100.00                                               | 11,192.50             | 16,545.07             | 12,348.92             | 44.21            | 53.10         | -124.42                | 2,988.95       | -813.91      | 2,054.04               | 1,962.68                | 91.36                     | 22.484  |           |
| 14,200.00                                               | 11,191.64             | 16,475.00             | 12,346.79             | 45.43            | 52.75         | -124.46                | 3,058.85       | -809.57      | 2,047.10               | 1,955.18                | 91.92                     | 22.270  |           |
| 14,300.00                                               | 11,190.77             | 16,434.36             | 12,345.28             | 46.66            | 52.55         | -124.46                | 3,099.44       | -808.31      | 2,042.45               | 1,949.87                | 92.58                     | 22.061  |           |
| 14,400.00                                               | 11,189.91             | 16,381.00             | 12,343.90             | 47.89            | 52.28         | -124.43                | 3,152.77       | -809.02      | 2,041.26               | 1,948.07                | 93.19                     | 21.905  |           |
| 14,415.26                                               | 11,189.77             | 16,381.00             | 12,343.90             | 48.08            | 52.28         | -124.43                | 3,152.77       | -809.02      | 2,041.20               | 1,947.91                | 93.29                     | 21.880  |           |
| 14,500.00                                               | 11,189.04             | 16,353.66             | 12,343.43             | 49.14            | 52.15         | -124.41                | 3,180.08       | -810.19      | 2,042.65               | 1,948.85                | 93.80                     | 21.777  |           |
| 14,600.00                                               | 11,188.17             | 16,286.00             | 12,342.90             | 50.39            | 51.81         | -124.36                | 3,247.63       | -814.01      | 2,046.51               | 1,952.16                | 94.35                     | 21.690  |           |
| 14,700.00                                               | 11,187.31             | 16,231.40             | 12,342.66             | 51.64            | 51.55         | -124.31                | 3,302.06       | -818.21      | 2,052.21               | 1,957.32                | 94.90                     | 21.626  |           |
| 14,800.00                                               | 11,186.44             | 15,894.97             | 12,331.67             | 52.91            | 49.95         | -123.86                | 3,637.39       | -837.83      | 2,059.49               | 1,964.09                | 95.39                     | 21.589  |           |
| 14,900.00                                               | 11,185.57             | 15,813.00             | 12,329.27             | 54.17            | 49.58         | -123.87                | 3,719.28       | -835.38      | 2,055.12               | 1,959.11                | 96.00                     | 21.407  |           |
| 15,000.00                                               | 11,184.71             | 15,762.18             | 12,328.68             | 55.44            | 49.35         | -123.89                | 3,770.09       | -834.25      | 2,052.35               | 1,955.69                | 96.66                     | 21.233  |           |
| 15,100.00                                               | 11,183.84             | 15,604.90             | 12,320.94             | 56.72            | 48.65         | -123.73                | 3,927.09       | -836.22      | 2,051.02               | 1,953.78                | 97.24                     | 21.093  |           |
| 15,200.00                                               | 11,182.97             | 15,507.18             | 12,313.53             | 58.00            | 48.23         | -123.59                | 4,024.54       | -836.29      | 2,046.63               | 1,948.70                | 97.92                     | 20.901  |           |
| 15,300.00                                               | 11,182.11             | 15,416.00             | 12,312.56             | 59.29            | 47.84         | -123.66                | 4,115.62       | -832.84      | 2,042.64               | 1,944.11                | 98.53                     | 20.731  |           |
| 15,400.00                                               | 11,181.24             | 15,315.95             | 12,311.15             | 60.57            | 47.43         | -123.71                | 4,215.58       | -829.31      | 2,038.68               | 1,939.54                | 99.14                     | 20.564  |           |
| 15,500.00                                               | 11,180.37             | 15,247.00             | 12,310.15             | 61.87            | 47.15         | -123.74                | 4,284.50       | -827.25      | 2,035.27               | 1,935.47                | 99.80                     | 20.393  |           |
| 15,600.00                                               | 11,179.51             | 15,183.59             | 12,309.52             | 63.16            | 46.89         | -123.76                | 4,347.90       | -826.41      | 2,033.56               | 1,933.08                | 100.47                    | 20.240  |           |
| 15,616.22                                               | 11,179.37             | 15,174.91             | 12,309.41             | 63.37            | 46.86         | -123.76                | 4,356.57       | -826.48      | 2,033.50               | 1,932.92                | 100.58                    | 20.217  |           |
| 15,700.00                                               | 11,178.64             | 15,127.73             | 12,308.76             | 64.46            | 46.67         | -123.75                | 4,403.74       | -827.50      | 2,034.15               | 1,933.00                | 101.15                    | 20.111  |           |
| 15,800.00                                               | 11,177.77             | 15,044.29             | 12,308.20             | 65.76            | 46.34         | -123.71                | 4,487.11       | -830.89      | 2,036.80               | 1,934.97                | 101.83                    | 20.002  |           |
| 15,900.00                                               | 11,176.91             | 14,898.87             | 12,307.57             | 67.06            | 45.79         | -123.69                | 4,632.46       | -834.57      | 2,038.54               | 1,935.99                | 102.55                    | 19.878  |           |
| 16,000.00                                               | 11,176.04             | 14,792.74             | 12,305.68             | 68.37            | 45.39         | -123.66                | 4,738.56       | -835.90      | 2,038.34               | 1,935.06                | 103.27                    | 19.737  |           |
| 16,100.00                                               | 11,175.17             | 14,680.00             | 12,301.79             | 69.68            | 44.99         | -123.59                | 4,851.23       | -836.97      | 2,036.86               | 1,932.82                | 104.04                    | 19.578  |           |
| 16,162.03                                               | 11,174.64             | 14,632.16             | 12,300.63             | 70.49            | 44.82         | -123.57                | 4,899.05       | -837.13      | 2,036.17               | 1,931.68                | 104.49                    | 19.486  |           |
| 16,200.00                                               | 11,174.31             | 14,614.29             | 12,300.56             | 70.99            | 44.76         | -123.58                | 4,916.92       | -837.33      | 2,036.36               | 1,931.60                | 104.76                    | 19.439  |           |
| 16,300.00                                               | 11,173.44             | 14,462.42             | 12,300.96             | 72.30            | 44.25         | -123.62                | 5,068.77       | -838.48      | 2,037.32               | 1,931.81                | 105.51                    | 19.310  |           |
| 16,400.00                                               | 11,172.57             | 14,364.60             | 12,298.90             | 73.62            | 43.93         | -123.62                | 5,166.57       | -837.70      | 2,035.25               | 1,928.98                | 106.27                    | 19.152  |           |
| 16,469.12                                               | 11,171.98             | 14,325.02             | 12,298.65             | 74.53            | 43.80         | -123.62                | 5,206.14       | -837.63      | 2,034.75               | 1,927.97                | 106.77                    | 19.057  |           |
| 16,500.00                                               | 11,171.71             | 14,318.66             | 12,298.55             | 74.93            | 43.78         | -123.62                | 5,212.50       | -837.63      | 2,034.83               | 1,927.85                | 106.98                    | 19.021  |           |
| 16,600.00                                               | 11,170.84             | 14,162.80             | 12,295.11             | 76.25            | 43.31         | -123.57                | 5,368.28       | -839.28      | 2,034.00               | 1,926.14                | 107.86                    | 18.857  |           |
| 16,700.00                                               | 11,169.97             | 14,068.47             | 12,290.50             | 77.57            | 43.03         | -123.47                | 5,462.48       | -840.96      | 2,032.55               | 1,923.82                | 108.73                    | 18.693  |           |
| 16,799.08                                               | 11,169.12             | 13,994.91             | 12,288.86             | 78.88            | 42.82         | -123.45                | 5,536.02       | -841.46      | 2,031.72               | 1,922.20                | 109.52                    | 18.551  |           |
| 16,800.00                                               | 11,169.11             | 13,994.40             | 12,288.85             | 78.90            | 42.82         | -123.45                | 5,536.53       | -841.47      | 2,031.72               | 1,922.19                | 109.53                    | 18.550  |           |
| 16,900.00                                               | 11,168.24             | 13,894.34             | 12,286.38             | 80.22            | 42.55         | -123.37                | 5,636.50       | -844.56      | 2,032.69               | 1,922.28                | 110.41                    | 18.410  |           |
| 17,000.00                                               | 11,167.37             | 13,779.11             | 12,281.98             | 81.55            | 42.25         | -123.28                | 5,751.61       | -846.74      | 2,031.86               | 1,920.51                | 111.35                    | 18.247  |           |
| 17,033.23                                               | 11,167.09             | 13,760.42             | 12,281.06             | 81.99            | 42.20         | -123.25                | 5,770.27       | -847.32      | 2,031.74               | 1,920.11                | 111.63                    | 18.201  |           |
| 17,100.00                                               | 11,166.51             | 13,711.50             | 12,278.40             | 82.87            | 42.08         | -123.17                | 5,819.06       | -849.60      | 2,032.14               | 1,919.91                | 112.23                    | 18.107  |           |
| 17,200.00                                               | 11,165.64             | 13,614.27             | 12,271.86             | 84.20            | 41.85         | -122.96                | 5,915.91       | -855.17      | 2,033.02               | 1,919.77                | 113.25                    | 17.951  |           |
| 17,300.00                                               | 11,164.77             | 13,524.34             | 12,265.88             | 85.53            | 41.65         | -122.77                | 6,005.47       | -860.71      | 2,034.33               | 1,920.06                | 114.27                    | 17.804  |           |
| 17,400.00                                               | 11,163.91             | 13,426.48             | 12,261.67             | 86.86            | 41.44         | -122.62                | 6,103.11       | -865.61      | 2,035.95               | 1,920.68                | 115.28                    | 17.661  |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 603H - OH - OH

|                                                                |                 |                 |                 |                        |               |                 |                               |              |                |                       |                |                           |                |
|----------------------------------------------------------------|-----------------|-----------------|-----------------|------------------------|---------------|-----------------|-------------------------------|--------------|----------------|-----------------------|----------------|---------------------------|----------------|
| <b>Survey Program:</b> 100-3_Gyro-NS_OWSG, 11565-3_MWD+IFR1+MS |                 |                 |                 |                        |               |                 |                               |              |                | <b>Rule Assigned:</b> |                | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Reference</b>                                               |                 |                 |                 |                        |               |                 |                               |              |                | <b>Distance</b>       |                | <b>Offset Well Error:</b> | 0.00 usft      |
| <b>Measured</b>                                                | <b>Vertical</b> | <b>Measured</b> | <b>Vertical</b> | <b>Semi Major Axis</b> |               | <b>Highside</b> | <b>Offset Wellbore Centre</b> |              | <b>Between</b> | <b>Between</b>        | <b>Minimum</b> | <b>Separation</b>         | <b>Warning</b> |
| <b>Depth</b>                                                   | <b>Depth</b>    | <b>Depth</b>    | <b>Depth</b>    | <b>Reference</b>       | <b>Offset</b> |                 | <b>+N/-S</b>                  | <b>+E/-W</b> |                |                       |                |                           |                |
| (usft)                                                         | (usft)          | (usft)          | (usft)          | (usft)                 | (usft)        | (")             | (usft)                        | (usft)       | Centres        | Ellipses              | Separation     | Factor                    |                |
|                                                                |                 |                 |                 |                        |               |                 |                               |              | (usft)         | (usft)                | (usft)         |                           |                |
| 17,500.00                                                      | 11,163.04       | 13,312.45       | 12,260.34       | 88.19                  | 41.21         | -122.58         | 6,217.08                      | -868.77      | 2,037.42       | 1,921.14              | 116.28         | 17.522                    |                |
| 17,600.00                                                      | 11,162.18       | 13,193.10       | 12,259.09       | 89.53                  | 40.99         | -122.57         | 6,336.41                      | -870.48      | 2,037.77       | 1,920.48              | 117.29         | 17.373                    |                |
| 17,700.00                                                      | 11,161.31       | 11,138.25       | 11,123.01       | 90.86                  | 38.65         | -89.03          | 7,520.77                      | -863.14      | 2,021.52       | 1,901.38              | 120.13         | 16.827                    |                |
| 17,800.00                                                      | 11,160.44       | 11,139.51       | 11,124.27       | 92.20                  | 38.66         | -89.07          | 7,520.80                      | -863.14      | 1,969.20       | 1,846.32              | 122.88         | 16.025                    |                |
| 17,900.00                                                      | 11,159.58       | 11,140.80       | 11,125.56       | 93.53                  | 38.66         | -89.11          | 7,520.83                      | -863.15      | 1,920.66       | 1,795.04              | 125.62         | 15.290                    |                |
| 18,000.00                                                      | 11,158.71       | 11,142.11       | 11,126.87       | 94.87                  | 38.67         | -89.16          | 7,520.86                      | -863.16      | 1,876.20       | 1,747.88              | 128.32         | 14.621                    |                |
| 18,100.00                                                      | 11,157.84       | 11,143.46       | 11,128.22       | 96.21                  | 38.67         | -89.20          | 7,520.90                      | -863.17      | 1,836.12       | 1,705.17              | 130.94         | 14.022                    |                |
| 18,200.00                                                      | 11,156.98       | 11,144.84       | 11,129.60       | 97.55                  | 38.68         | -89.25          | 7,520.93                      | -863.18      | 1,800.70       | 1,667.24              | 133.45         | 13.493                    |                |
| 18,300.00                                                      | 11,156.11       | 11,146.25       | 11,131.01       | 98.89                  | 38.68         | -89.30          | 7,520.97                      | -863.19      | 1,770.22       | 1,634.41              | 135.81         | 13.035                    |                |
| 18,400.00                                                      | 11,155.24       | 11,147.69       | 11,132.45       | 100.23                 | 38.69         | -89.35          | 7,521.00                      | -863.21      | 1,744.95       | 1,606.99              | 137.97         | 12.648                    |                |
| 18,500.00                                                      | 11,154.38       | 11,150.00       | 11,134.76       | 101.57                 | 38.69         | -89.42          | 7,521.06                      | -863.22      | 1,725.12       | 1,585.23              | 139.89         | 12.332                    |                |
| 18,600.00                                                      | 11,153.51       | 11,150.00       | 11,134.76       | 102.91                 | 38.69         | -89.42          | 7,521.06                      | -863.22      | 1,710.91       | 1,569.39              | 141.52         | 12.090                    |                |
| 18,700.00                                                      | 11,152.64       | 11,152.37       | 11,137.12       | 104.26                 | 38.70         | -89.50          | 7,521.12                      | -863.24      | 1,702.46       | 1,559.60              | 142.85         | 11.917                    |                |
| 18,794.24                                                      | 11,151.83       | 11,153.99       | 11,138.74       | 105.52                 | 38.71         | -89.56          | 7,521.17                      | -863.26      | 1,699.85       | 1,556.04              | 143.80         | 11.821                    | CC             |
| 18,800.00                                                      | 11,151.78       | 11,154.09       | 11,138.85       | 105.60                 | 38.71         | -89.56          | 7,521.17                      | -863.26      | 1,699.86       | 1,556.01              | 143.85         | 11.817                    | ES             |
| 18,849.18                                                      | 11,151.35       | 11,154.97       | 11,139.72       | 106.26                 | 38.71         | -89.59          | 7,521.19                      | -863.26      | 1,700.74       | 1,556.52              | 144.22         | 11.793                    | SF             |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 701H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11630-3_MWD+IFR1+MS |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | Rule Assigned:                |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                                               |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | Offset Well Error:            |                                 | Offset Well Error:   | 0.00 usft |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 10,800.00                                               | 10,736.14                   | 19,744.56                   | 12,595.49                   | 18.83                                  | 70.94            | -100.47                     | -77.08                                    | 27.62           | 2,060.34                                 | 1,973.64                      | 86.70                           | 23.764               |           |
| 10,900.00                                               | 10,832.81                   | 19,728.44                   | 12,594.05                   | 18.88                                  | 70.84            | -117.60                     | -61.03                                    | 27.15           | 1,971.74                                 | 1,884.81                      | 86.93                           | 22.682               |           |
| 11,000.00                                               | 10,923.66                   | 19,696.51                   | 12,591.23                   | 18.91                                  | 70.64            | -128.99                     | -29.24                                    | 26.23           | 1,888.14                                 | 1,801.08                      | 87.06                           | 21.689               |           |
| 11,100.00                                               | 11,005.93                   | 19,671.00                   | 12,589.05                   | 18.96                                  | 70.48            | -136.75                     | -3.83                                     | 25.53           | 1,812.26                                 | 1,724.97                      | 87.29                           | 20.761               |           |
| 11,200.00                                               | 11,077.11                   | 19,630.85                   | 12,586.27                   | 19.07                                  | 70.23            | -141.52                     | 36.20                                     | 24.33           | 1,747.00                                 | 1,659.59                      | 87.41                           | 19.987               |           |
| 11,300.00                                               | 11,135.05                   | 19,588.20                   | 12,584.24                   | 19.25                                  | 69.96            | -144.56                     | 78.78                                     | 22.90           | 1,694.90                                 | 1,607.39                      | 87.51                           | 19.368               |           |
| 11,400.00                                               | 11,177.98                   | 19,494.00                   | 12,580.35                   | 19.50                                  | 69.37            | -145.94                     | 172.86                                    | 20.28           | 1,656.07                                 | 1,568.90                      | 87.17                           | 18.999               |           |
| 11,500.00                                               | 11,204.59                   | 19,431.11                   | 12,578.89                   | 19.84                                  | 68.98            | -146.91                     | 235.72                                    | 19.37           | 1,632.21                                 | 1,545.13                      | 87.09                           | 18.742               |           |
| 11,596.11                                               | 11,214.05                   | 19,356.14                   | 12,580.16                   | 20.25                                  | 68.51            | -147.21                     | 310.67                                    | 19.09           | 1,625.25                                 | 1,538.38                      | 86.87                           | 18.709               |           |
| 11,600.00                                               | 11,214.09                   | 19,351.62                   | 12,580.25                   | 20.26                                  | 68.48            | -147.21                     | 315.20                                    | 19.09           | 1,625.26                                 | 1,538.41                      | 86.85                           | 18.713               |           |
| 11,700.00                                               | 11,213.30                   | 19,201.88                   | 12,579.60                   | 20.76                                  | 67.56            | -147.19                     | 464.87                                    | 17.07           | 1,625.93                                 | 1,539.88                      | 86.05                           | 18.895               |           |
| 11,800.00                                               | 11,212.44                   | 19,087.43                   | 12,574.82                   | 21.31                                  | 66.86            | -147.03                     | 579.15                                    | 12.95           | 1,624.66                                 | 1,539.11                      | 85.56                           | 18.990               |           |
| 11,900.00                                               | 11,211.57                   | 18,925.00                   | 12,566.66                   | 21.92                                  | 65.87            | -146.95                     | 741.35                                    | 13.45           | 1,620.41                                 | 1,535.70                      | 84.72                           | 19.128               |           |
| 12,000.00                                               | 11,210.70                   | 18,830.00                   | 12,561.44                   | 22.59                                  | 65.30            | -146.97                     | 836.17                                    | 15.99           | 1,614.61                                 | 1,530.17                      | 84.43                           | 19.123               |           |
| 12,100.00                                               | 11,209.84                   | 18,754.69                   | 12,558.84                   | 23.31                                  | 64.85            | -147.04                     | 911.36                                    | 18.92           | 1,609.84                                 | 1,525.52                      | 84.32                           | 19.092               |           |
| 12,200.00                                               | 11,208.97                   | 18,627.09                   | 12,556.99                   | 24.07                                  | 64.10            | -147.32                     | 1,038.64                                  | 27.79           | 1,605.14                                 | 1,521.32                      | 83.82                           | 19.151               |           |
| 12,300.00                                               | 11,208.10                   | 18,548.00                   | 12,554.37                   | 24.88                                  | 63.63            | -147.44                     | 1,117.55                                  | 32.36           | 1,599.61                                 | 1,515.91                      | 83.70                           | 19.111               |           |
| 12,400.00                                               | 11,207.24                   | 18,473.04                   | 12,552.43                   | 25.73                                  | 63.19            | -147.54                     | 1,192.41                                  | 35.56           | 1,595.53                                 | 1,511.91                      | 83.62                           | 19.081               |           |
| 12,500.00                                               | 11,206.37                   | 18,403.57                   | 12,552.00                   | 26.63                                  | 62.79            | -147.62                     | 1,261.85                                  | 37.60           | 1,593.67                                 | 1,510.10                      | 83.57                           | 19.070               |           |
| 12,600.00                                               | 11,205.50                   | 18,281.80                   | 12,552.10                   | 27.55                                  | 62.08            | -147.75                     | 1,383.58                                  | 40.22           | 1,593.03                                 | 1,509.80                      | 83.23                           | 19.140               |           |
| 12,700.00                                               | 11,204.64                   | 18,207.28                   | 12,550.48                   | 28.51                                  | 61.65            | -147.78                     | 1,458.08                                  | 40.92           | 1,591.10                                 | 1,507.92                      | 83.18                           | 19.127               |           |
| 12,800.00                                               | 11,203.77                   | 18,072.00                   | 12,549.65                   | 29.51                                  | 60.87            | -147.85                     | 1,593.32                                  | 42.01           | 1,590.83                                 | 1,508.00                      | 82.83                           | 19.206               |           |
| 12,900.00                                               | 11,202.90                   | 18,005.00                   | 12,547.39                   | 30.52                                  | 60.48            | -147.81                     | 1,660.28                                  | 41.18           | 1,588.91                                 | 1,506.05                      | 82.86                           | 19.175               |           |
| 13,000.00                                               | 11,202.04                   | 17,912.95                   | 12,545.18                   | 31.57                                  | 59.96            | -147.73                     | 1,752.26                                  | 38.54           | 1,588.65                                 | 1,505.85                      | 82.80                           | 19.188               |           |
| 13,100.00                                               | 11,201.17                   | 17,814.33                   | 12,541.47                   | 32.64                                  | 59.40            | -147.56                     | 1,850.70                                  | 33.96           | 1,588.22                                 | 1,505.48                      | 82.74                           | 19.196               |           |
| 13,165.15                                               | 11,200.61                   | 17,753.39                   | 12,539.69                   | 33.34                                  | 59.05            | -147.48                     | 1,911.58                                  | 31.63           | 1,588.13                                 | 1,505.41                      | 82.72                           | 19.199               |           |
| 13,200.00                                               | 11,200.30                   | 17,720.39                   | 12,538.94                   | 33.72                                  | 58.87            | -147.45                     | 1,944.55                                  | 30.58           | 1,588.16                                 | 1,505.45                      | 82.71                           | 19.203               |           |
| 13,300.00                                               | 11,199.44                   | 17,606.89                   | 12,537.63                   | 34.83                                  | 58.24            | -147.44                     | 2,058.04                                  | 29.46           | 1,587.99                                 | 1,505.39                      | 82.59                           | 19.226               |           |
| 13,400.00                                               | 11,198.57                   | 17,483.95                   | 12,536.52                   | 35.95                                  | 57.56            | -147.53                     | 2,180.95                                  | 31.36           | 1,586.69                                 | 1,504.25                      | 82.43                           | 19.248               |           |
| 13,500.00                                               | 11,197.70                   | 17,359.78                   | 12,532.71                   | 37.10                                  | 56.89            | -147.60                     | 2,305.02                                  | 34.22           | 1,582.97                                 | 1,500.69                      | 82.29                           | 19.237               |           |
| 13,600.00                                               | 11,196.84                   | 17,274.39                   | 12,531.50                   | 38.25                                  | 56.43            | -147.72                     | 2,390.33                                  | 37.73           | 1,579.83                                 | 1,497.54                      | 82.29                           | 19.198               |           |
| 13,700.00                                               | 11,195.97                   | 17,179.62                   | 12,529.60                   | 39.42                                  | 55.93            | -147.78                     | 2,485.05                                  | 39.79           | 1,577.24                                 | 1,494.96                      | 82.28                           | 19.168               |           |
| 13,800.00                                               | 11,195.10                   | 17,086.66                   | 12,525.52                   | 40.60                                  | 55.44            | -147.68                     | 2,577.89                                  | 37.81           | 1,574.94                                 | 1,492.59                      | 82.35                           | 19.124               |           |
| 13,900.00                                               | 11,194.24                   | 16,994.93                   | 12,520.06                   | 41.79                                  | 54.95            | -147.45                     | 2,669.30                                  | 32.41           | 1,573.32                                 | 1,490.83                      | 82.50                           | 19.072               |           |
| 14,000.00                                               | 11,193.37                   | 16,891.72                   | 12,514.34                   | 42.99                                  | 54.41            | -147.22                     | 2,772.20                                  | 26.95           | 1,571.77                                 | 1,489.14                      | 82.62                           | 19.023               |           |
| 14,100.00                                               | 11,192.50                   | 16,803.89                   | 12,510.40                   | 44.21                                  | 53.96            | -147.08                     | 2,859.88                                  | 23.79           | 1,570.24                                 | 1,487.47                      | 82.77                           | 18.971               |           |
| 14,146.21                                               | 11,192.10                   | 16,771.38                   | 12,509.51                   | 44.77                                  | 53.79            | -147.05                     | 2,892.37                                  | 22.82           | 1,570.04                                 | 1,487.19                      | 82.85                           | 18.950               |           |
| 14,200.00                                               | 11,191.64                   | 16,730.99                   | 12,508.92                   | 45.43                                  | 53.59            | -147.02                     | 2,932.74                                  | 21.72           | 1,570.31                                 | 1,487.38                      | 82.93                           | 18.935               |           |
| 14,300.00                                               | 11,190.77                   | 16,646.00                   | 12,509.02                   | 46.66                                  | 53.16            | -147.03                     | 3,017.72                                  | 20.67           | 1,571.38                                 | 1,488.34                      | 83.04                           | 18.924               |           |
| 14,400.00                                               | 11,189.91                   | 16,575.00                   | 12,510.59                   | 47.89                                  | 52.81            | -147.08                     | 3,088.70                                  | 20.27           | 1,573.89                                 | 1,490.74                      | 83.14                           | 18.929               |           |
| 14,500.00                                               | 11,189.04                   | 16,456.00                   | 12,514.44                   | 49.14                                  | 52.22            | -147.16                     | 3,207.63                                  | 18.96           | 1,577.56                                 | 1,494.37                      | 83.19                           | 18.962               |           |
| 14,600.00                                               | 11,188.17                   | 16,371.07                   | 12,515.81                   | 50.39                                  | 51.81            | -147.17                     | 3,292.53                                  | 17.20           | 1,580.32                                 | 1,497.00                      | 83.32                           | 18.967               |           |
| 14,700.00                                               | 11,187.31                   | 16,132.00                   | 12,507.82                   | 51.64                                  | 50.67            | -146.87                     | 3,531.17                                  | 9.10            | 1,580.01                                 | 1,496.59                      | 83.42                           | 18.941               |           |
| 14,800.00                                               | 11,186.44                   | 16,039.35                   | 12,500.00                   | 52.91                                  | 50.24            | -146.69                     | 3,623.46                                  | 6.84            | 1,574.55                                 | 1,490.85                      | 83.70                           | 18.812               |           |
| 14,900.00                                               | 11,185.57                   | 15,966.00                   | 12,495.58                   | 54.17                                  | 49.91            | -146.61                     | 3,696.68                                  | 5.91            | 1,570.46                                 | 1,486.48                      | 83.98                           | 18.701               |           |
| 15,000.00                                               | 11,184.71                   | 15,888.00                   | 12,493.20                   | 55.44                                  | 49.55            | -146.59                     | 3,774.63                                  | 5.82            | 1,568.16                                 | 1,483.95                      | 84.21                           | 18.623               |           |
| 15,100.00                                               | 11,183.84                   | 15,782.62                   | 12,491.35                   | 56.72                                  | 49.09            | -146.63                     | 3,879.99                                  | 6.97            | 1,566.35                                 | 1,481.97                      | 84.38                           | 18.564               |           |
| 15,200.00                                               | 11,182.97                   | 15,698.00                   | 12,489.99                   | 58.00                                  | 48.72            | -146.66                     | 3,964.60                                  | 7.65            | 1,564.78                                 | 1,480.20                      | 84.58                           | 18.500               |           |
| 15,300.00                                               | 11,182.11                   | 15,601.26                   | 12,488.23                   | 59.29                                  | 48.31            | -146.65                     | 4,061.32                                  | 7.07            | 1,563.84                                 | 1,479.02                      | 84.82                           | 18.438               |           |
| 15,400.00                                               | 11,181.24                   | 15,495.96                   | 12,484.78                   | 60.57                                  | 47.86            | -146.55                     | 4,166.52                                  | 4.48            | 1,562.70                                 | 1,477.58                      | 85.12                           | 18.358               |           |
| 15,500.00                                               | 11,180.37                   | 15,392.22                   | 12,479.85                   | 61.87                                  | 47.44            | -146.37                     | 4,270.06                                  | 0.42            | 1,561.14                                 | 1,475.64                      | 85.50                           | 18.259               |           |
| 15,600.00                                               | 11,179.51                   | 15,300.87                   | 12,475.03                   | 63.16                                  | 47.07            | -146.17                     | 4,361.16                                  | -4.45           | 1,559.94                                 | 1,474.02                      | 85.92                           | 18.157               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 701H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWSG, 11630-3_MWD+IFR1+MS |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          | Rule Assigned:                |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|-------------------------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference: 100-3_Gyro-NS_OWSG, 11630-3_MWD+IFR1+MS      |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          | Offset Well Error:            |                                 | 0.00 usft            |           |
| Measured<br>Depth<br>(usft)                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 15,700.00                                               | 11,178.64                   | 15,198.07                   | 12,468.96                   | 64.46               | 46.66                               | -145.89                     | 4,463.56                                  | -11.06          | 1,558.86                                 | 1,472.45                      | 86.41                           | 18.041               |           |
| 15,800.00                                               | 11,177.77                   | 15,095.77                   | 12,464.13                   | 65.76               | 46.26                               | -145.69                     | 4,565.65                                  | -15.53          | 1,557.64                                 | 1,470.79                      | 86.86                           | 17.933               |           |
| 15,900.00                                               | 11,176.91                   | 14,967.30                   | 12,457.28                   | 67.06               | 45.78                               | -145.45                     | 4,693.82                                  | -20.89          | 1,555.93                                 | 1,468.55                      | 87.38                           | 17.806               |           |
| 16,000.00                                               | 11,176.04                   | 14,854.93                   | 12,452.93                   | 68.37               | 45.38                               | -145.45                     | 4,805.98                                  | -19.36          | 1,552.16                                 | 1,464.43                      | 87.73                           | 17.693               |           |
| 16,100.00                                               | 11,175.17                   | 14,759.78                   | 12,453.46                   | 69.68               | 45.05                               | -145.74                     | 4,900.80                                  | -11.65          | 1,548.25                                 | 1,460.41                      | 87.85                           | 17.624               |           |
| 16,200.00                                               | 11,174.31                   | 14,625.20                   | 12,447.04                   | 70.99               | 44.60                               | -145.84                     | 5,035.08                                  | -6.16           | 1,541.78                                 | 1,453.63                      | 88.15                           | 17.490               |           |
| 16,300.00                                               | 11,173.44                   | 14,562.00                   | 12,444.54                   | 72.30               | 44.39                               | -145.83                     | 5,098.22                                  | -5.42           | 1,537.74                                 | 1,449.23                      | 88.51                           | 17.373               |           |
| 16,391.56                                               | 11,172.65                   | 14,523.14                   | 12,443.98                   | 73.51               | 44.26                               | -145.84                     | 5,137.08                                  | -5.54           | 1,536.53                                 | 1,447.73                      | 88.80                           | 17.303               |           |
| 16,400.00                                               | 11,172.57                   | 14,517.96                   | 12,443.94                   | 73.62               | 44.25                               | -145.84                     | 5,142.25                                  | -5.58           | 1,536.54                                 | 1,447.71                      | 88.83                           | 17.298               |           |
| 16,500.00                                               | 11,171.71                   | 14,422.75                   | 12,444.06                   | 74.93               | 43.95                               | -145.83                     | 5,237.45                                  | -7.27           | 1,537.82                                 | 1,448.59                      | 89.23                           | 17.234               |           |
| 16,600.00                                               | 11,170.84                   | 14,269.47                   | 12,439.73                   | 76.25               | 43.48                               | -145.77                     | 5,390.66                                  | -8.52           | 1,535.93                                 | 1,446.13                      | 89.81                           | 17.103               |           |
| 16,700.00                                               | 11,169.97                   | 14,157.72                   | 12,435.35                   | 77.57               | 43.16                               | -145.76                     | 5,502.32                                  | -7.52           | 1,532.40                                 | 1,442.12                      | 90.28                           | 16.974               |           |
| 16,800.00                                               | 11,169.11                   | 14,067.80                   | 12,430.90                   | 78.90               | 42.92                               | -145.68                     | 5,592.12                                  | -8.33           | 1,529.03                                 | 1,438.24                      | 90.79                           | 16.841               |           |
| 16,900.00                                               | 11,168.24                   | 13,981.01                   | 12,426.92                   | 80.22               | 42.69                               | -145.60                     | 5,678.81                                  | -9.51           | 1,526.26                                 | 1,434.94                      | 91.32                           | 16.714               |           |
| 17,000.00                                               | 11,167.37                   | 13,903.00                   | 12,426.09                   | 81.55               | 42.49                               | -145.63                     | 5,756.80                                  | -8.95           | 1,525.12                                 | 1,433.40                      | 91.72                           | 16.629               |           |
| 17,011.41                                               | 11,167.28                   | 13,903.00                   | 12,426.09                   | 81.70               | 42.49                               | -145.63                     | 5,756.80                                  | -8.95           | 1,525.08                                 | 1,433.34                      | 91.74                           | 16.624               |           |
| 17,100.00                                               | 11,166.51                   | 13,836.31                   | 12,427.37                   | 82.87               | 42.33                               | -145.73                     | 5,823.47                                  | -7.73           | 1,525.74                                 | 1,433.73                      | 92.02                           | 16.581               |           |
| 17,200.00                                               | 11,165.64                   | 13,713.00                   | 12,427.90                   | 84.20               | 42.04                               | -145.78                     | 5,946.73                                  | -8.25           | 1,526.60                                 | 1,434.03                      | 92.57                           | 16.492               |           |
| 17,201.31                                               | 11,165.63                   | 13,713.00                   | 12,427.90                   | 84.22               | 42.04                               | -145.78                     | 5,946.73                                  | -8.25           | 1,526.60                                 | 1,434.03                      | 92.57                           | 16.492               |           |
| 17,300.00                                               | 11,164.77                   | 13,661.03                   | 12,427.19                   | 85.53               | 41.92                               | -145.73                     | 5,998.66                                  | -10.09          | 1,527.88                                 | 1,434.92                      | 92.96                           | 16.436               |           |
| 17,400.00                                               | 11,163.91                   | 13,608.20                   | 12,428.95                   | 86.86               | 41.81                               | -145.73                     | 6,051.42                                  | -11.96          | 1,532.68                                 | 1,439.42                      | 93.27                           | 16.434               |           |
| 17,500.00                                               | 11,163.04                   | 13,457.10                   | 12,430.67                   | 88.19               | 41.50                               | -145.60                     | 6,202.28                                  | -19.79          | 1,536.57                                 | 1,442.33                      | 94.24                           | 16.305               |           |
| 17,600.00                                               | 11,162.18                   | 11,175.00                   | 11,157.07                   | 89.53               | 38.78                               | -90.35                      | 7,523.58                                  | -24.71          | 1,468.33                                 | 1,367.75                      | 100.58                          | 14.598               |           |
| 17,700.00                                               | 11,161.31                   | 11,175.00                   | 11,157.07                   | 90.86               | 38.78                               | -90.35                      | 7,523.58                                  | -24.71          | 1,388.58                                 | 1,284.64                      | 103.94                          | 13.359               |           |
| 17,800.00                                               | 11,160.44                   | 11,175.00                   | 11,157.07                   | 92.20               | 38.78                               | -90.35                      | 7,523.58                                  | -24.71          | 1,311.61                                 | 1,204.01                      | 107.59                          | 12.190               |           |
| 17,900.00                                               | 11,159.58                   | 11,175.00                   | 11,157.07                   | 93.53               | 38.78                               | -90.35                      | 7,523.58                                  | -24.71          | 1,237.93                                 | 1,126.39                      | 111.54                          | 11.099               |           |
| 18,000.00                                               | 11,158.71                   | 11,175.00                   | 11,157.07                   | 94.87               | 38.78                               | -90.35                      | 7,523.58                                  | -24.71          | 1,168.18                                 | 1,052.42                      | 115.76                          | 10.091               |           |
| 18,100.00                                               | 11,157.84                   | 11,174.90                   | 11,156.97                   | 96.21               | 38.78                               | -90.34                      | 7,523.57                                  | -24.71          | 1,103.09                                 | 982.87                        | 120.21                          | 9.176                |           |
| 18,200.00                                               | 11,156.98                   | 11,174.83                   | 11,156.89                   | 97.55               | 38.78                               | -90.33                      | 7,523.57                                  | -24.71          | 1,043.53                                 | 918.72                        | 124.81                          | 8.361                |           |
| 18,300.00                                               | 11,156.11                   | 11,174.75                   | 11,156.82                   | 98.89               | 38.78                               | -90.33                      | 7,523.57                                  | -24.71          | 990.51                                   | 861.10                        | 129.41                          | 7.654                |           |
| 18,400.00                                               | 11,155.24                   | 11,174.67                   | 11,156.74                   | 100.23              | 38.78                               | -90.32                      | 7,523.57                                  | -24.71          | 945.14                                   | 811.32                        | 133.81                          | 7.063                |           |
| 18,500.00                                               | 11,154.38                   | 11,174.60                   | 11,156.67                   | 101.57              | 38.78                               | -90.32                      | 7,523.57                                  | -24.72          | 908.54                                   | 770.79                        | 137.75                          | 6.596                |           |
| 18,600.00                                               | 11,153.51                   | 11,174.52                   | 11,156.59                   | 102.91              | 38.78                               | -90.31                      | 7,523.57                                  | -24.72          | 881.82                                   | 740.90                        | 140.92                          | 6.258                |           |
| 18,700.00                                               | 11,152.64                   | 11,174.44                   | 11,156.50                   | 104.26              | 38.78                               | -90.31                      | 7,523.57                                  | -24.72          | 865.89                                   | 722.85                        | 143.04                          | 6.053                |           |
| 18,789.19                                               | 11,151.87                   | 11,174.36                   | 11,156.43                   | 105.46              | 38.78                               | -90.30                      | 7,523.57                                  | -24.72          | 861.28                                   | 717.41                        | 143.87                          | 5.987                | CC, ES    |
| 18,800.00                                               | 11,151.78                   | 11,174.35                   | 11,156.42                   | 105.60              | 38.78                               | -90.30                      | 7,523.57                                  | -24.72          | 861.35                                   | 717.45                        | 143.90                          | 5.986                | SF        |
| 18,849.18                                               | 11,151.35                   | 11,174.31                   | 11,156.38                   | 106.26              | 38.78                               | -90.30                      | 7,523.57                                  | -24.72          | 863.37                                   | 719.54                        | 143.83                          | 6.003                |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 702H - OH - OH

| Survey Program: 100-3_Gyro-NS_OWVG, 11763-3_MWD+IFR1+MS |                       |                       |                       |                  |               |                        | Rule Assigned: |              |                        |                         | Offset Well Error:        |                   | 0.00 usft |  |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|----------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------|--|
| Reference                                               |                       | Offset                |                       | Semi Major Axis  |               | Offset Wellbore Centre |                |              | Distance               |                         |                           |                   |           |  |
| Measured Depth (usft)                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft)   | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning   |  |
| 11,300.00                                               | 11,135.05             | 19,630.22             | 12,626.65             | 19.25            | 70.05         | -131.07                | 125.19         | -527.21      | 2,066.62               | 1,978.47                | 88.15                     | 23.445            |           |  |
| 11,400.00                                               | 11,177.98             | 19,592.00             | 12,624.47             | 19.50            | 69.81         | -133.28                | 163.35         | -527.67      | 2,032.99               | 1,944.72                | 88.26                     | 23.033            |           |  |
| 11,500.00                                               | 11,204.59             | 19,524.79             | 12,623.09             | 19.84            | 69.40         | -134.33                | 230.53         | -527.86      | 2,012.67               | 1,924.52                | 88.16                     | 22.831            |           |  |
| 11,596.41                                               | 11,214.05             | 19,448.98             | 12,625.58             | 20.25            | 68.93         | -134.70                | 306.29         | -527.21      | 2,006.94               | 1,918.96                | 87.97                     | 22.813            |           |  |
| 11,600.00                                               | 11,214.09             | 19,444.37             | 12,625.70             | 20.26            | 68.90         | -134.70                | 310.90         | -527.20      | 2,006.94               | 1,918.99                | 87.96                     | 22.818            |           |  |
| 11,700.00                                               | 11,213.30             | 19,270.74             | 12,624.18             | 20.76            | 67.83         | -134.71                | 484.50         | -528.06      | 2,006.62               | 1,919.50                | 87.12                     | 23.034            |           |  |
| 11,800.00                                               | 11,212.44             | 19,125.41             | 12,617.12             | 21.31            | 66.95         | -134.60                | 629.65         | -528.78      | 2,003.62               | 1,917.09                | 86.52                     | 23.157            |           |  |
| 11,900.00                                               | 11,211.57             | 19,055.92             | 12,613.69             | 21.92            | 66.52         | -134.56                | 699.06         | -528.49      | 1,999.91               | 1,913.39                | 86.51                     | 23.117            |           |  |
| 12,000.00                                               | 11,210.70             | 18,990.55             | 12,612.41             | 22.59            | 66.13         | -134.57                | 764.41         | -527.95      | 1,997.93               | 1,911.39                | 86.54                     | 23.088            |           |  |
| 12,100.00                                               | 11,209.84             | 18,835.00             | 12,610.95             | 23.31            | 65.20         | -134.63                | 919.89         | -526.19      | 1,997.02               | 1,910.99                | 86.03                     | 23.213            |           |  |
| 12,200.00                                               | 11,208.97             | 18,761.63             | 12,607.45             | 24.07            | 64.76         | -134.59                | 993.17         | -525.82      | 1,993.43               | 1,907.35                | 86.08                     | 23.157            |           |  |
| 12,300.00                                               | 11,208.10             | 18,706.86             | 12,606.67             | 24.88            | 64.44         | -134.60                | 1,047.93       | -525.43      | 1,991.95               | 1,905.70                | 86.24                     | 23.096            |           |  |
| 12,312.01                                               | 11,208.00             | 18,700.68             | 12,606.71             | 24.98            | 64.40         | -134.61                | 1,054.11       | -525.37      | 1,991.93               | 1,905.66                | 86.27                     | 23.090            |           |  |
| 12,400.00                                               | 11,207.24             | 18,647.00             | 12,608.22             | 25.73            | 64.08         | -134.67                | 1,107.76       | -524.85      | 1,992.91               | 1,906.54                | 86.37                     | 23.074            |           |  |
| 12,500.00                                               | 11,206.37             | 18,377.16             | 12,607.93             | 26.63            | 62.51         | -134.88                | 1,377.24       | -518.75      | 1,992.64               | 1,907.22                | 85.42                     | 23.329            |           |  |
| 12,600.00                                               | 11,205.50             | 18,251.25             | 12,600.37             | 27.55            | 61.79         | -134.89                | 1,502.79       | -512.94      | 1,985.10               | 1,899.83                | 85.28                     | 23.279            |           |  |
| 12,700.00                                               | 11,204.64             | 18,152.83             | 12,593.34             | 28.51            | 61.23         | -134.86                | 1,600.88       | -508.74      | 1,977.04               | 1,891.70                | 85.34                     | 23.167            |           |  |
| 12,800.00                                               | 11,203.77             | 18,021.88             | 12,583.84             | 29.51            | 60.49         | -134.83                | 1,731.34       | -502.83      | 1,968.87               | 1,883.64                | 85.23                     | 23.101            |           |  |
| 12,900.00                                               | 11,202.90             | 17,937.73             | 12,575.70             | 30.52            | 60.01         | -134.77                | 1,815.01       | -499.09      | 1,959.01               | 1,873.57                | 85.44                     | 22.929            |           |  |
| 13,000.00                                               | 11,202.04             | 17,888.00             | 12,572.09             | 31.57            | 59.74         | -134.75                | 1,864.57       | -497.24      | 1,951.36               | 1,865.52                | 85.84                     | 22.734            |           |  |
| 13,100.00                                               | 11,201.17             | 17,821.06             | 12,569.48             | 32.64            | 59.37         | -134.78                | 1,931.40       | -494.52      | 1,945.79               | 1,859.66                | 86.13                     | 22.592            |           |  |
| 13,200.00                                               | 11,200.30             | 17,699.00             | 12,564.65             | 33.72            | 58.69         | -134.81                | 2,053.23       | -490.44      | 1,940.61               | 1,854.44                | 86.17                     | 22.520            |           |  |
| 13,300.00                                               | 11,199.44             | 17,652.44             | 12,561.00             | 34.83            | 58.44         | -134.74                | 2,099.65       | -490.74      | 1,935.92               | 1,849.33                | 86.60                     | 22.356            |           |  |
| 13,400.00                                               | 11,198.57             | 17,605.00             | 12,559.04             | 35.95            | 58.17         | -134.69                | 2,147.02       | -492.13      | 1,934.68               | 1,847.69                | 86.99                     | 22.241            |           |  |
| 13,404.96                                               | 11,198.53             | 17,605.00             | 12,559.04             | 36.01            | 58.17         | -134.69                | 2,147.02       | -492.13      | 1,934.67               | 1,847.66                | 87.01                     | 22.234            |           |  |
| 13,500.00                                               | 11,197.70             | 17,605.00             | 12,559.04             | 37.10            | 58.17         | -134.69                | 2,147.02       | -492.13      | 1,937.01               | 1,849.56                | 87.45                     | 22.151            |           |  |
| 13,600.00                                               | 11,196.84             | 17,555.99             | 12,558.33             | 38.25            | 57.91         | -134.61                | 2,195.87       | -495.87      | 1,942.34               | 1,854.58                | 87.76                     | 22.133            |           |  |
| 13,700.00                                               | 11,195.97             | 17,510.00             | 12,558.39             | 39.42            | 57.66         | -134.49                | 2,241.36       | -502.54      | 1,951.95               | 1,863.90                | 88.06                     | 22.167            |           |  |
| 13,800.00                                               | 11,195.10             | 17,453.10             | 12,558.80             | 40.60            | 57.35         | -134.32                | 2,297.40       | -512.38      | 1,964.20               | 1,875.85                | 88.35                     | 22.232            |           |  |
| 13,900.00                                               | 11,194.24             | 17,326.67             | 12,559.08             | 41.79            | 56.66         | -133.96                | 2,422.21       | -532.58      | 1,975.82               | 1,887.10                | 88.72                     | 22.270            |           |  |
| 14,000.00                                               | 11,193.37             | 16,927.91             | 12,548.09             | 42.99            | 54.58         | -133.45                | 2,819.43       | -553.35      | 1,972.43               | 1,883.71                | 88.72                     | 22.232            |           |  |
| 14,100.00                                               | 11,192.50             | 16,801.13             | 12,542.76             | 44.21            | 53.94         | -133.44                | 2,946.06       | -550.38      | 1,967.81               | 1,878.85                | 88.96                     | 22.120            |           |  |
| 14,200.00                                               | 11,191.64             | 16,712.97             | 12,538.94             | 45.43            | 53.50         | -133.45                | 3,034.09       | -547.58      | 1,962.53               | 1,873.19                | 89.34                     | 21.968            |           |  |
| 14,300.00                                               | 11,190.77             | 16,643.02             | 12,535.84             | 46.66            | 53.15         | -133.43                | 3,103.97       | -546.67      | 1,958.52               | 1,868.73                | 89.78                     | 21.814            |           |  |
| 14,400.00                                               | 11,189.91             | 16,578.00             | 12,533.49             | 47.89            | 52.83         | -133.40                | 3,168.94       | -546.85      | 1,956.21               | 1,865.97                | 90.24                     | 21.678            |           |  |
| 14,500.00                                               | 11,189.04             | 16,483.00             | 12,530.63             | 49.14            | 52.37         | -133.35                | 3,263.89       | -547.77      | 1,954.81               | 1,864.17                | 90.65                     | 21.565            |           |  |
| 14,600.00                                               | 11,188.17             | 16,398.69             | 12,529.39             | 50.39            | 51.96         | -133.35                | 3,348.19       | -547.99      | 1,953.97               | 1,862.91                | 91.06                     | 21.458            |           |  |
| 14,700.00                                               | 11,187.31             | 16,288.29             | 12,529.73             | 51.64            | 51.44         | -133.42                | 3,458.59       | -546.90      | 1,953.43               | 1,862.02                | 91.41                     | 21.370            |           |  |
| 14,800.00                                               | 11,186.44             | 16,175.48             | 12,529.43             | 52.91            | 50.92         | -133.48                | 3,571.39       | -545.59      | 1,952.40               | 1,860.63                | 91.77                     | 21.275            |           |  |
| 14,900.00                                               | 11,185.57             | 16,054.16             | 12,527.39             | 54.17            | 50.37         | -133.52                | 3,692.67       | -543.59      | 1,949.94               | 1,857.80                | 92.14                     | 21.163            |           |  |
| 15,000.00                                               | 11,184.71             | 15,954.34             | 12,525.50             | 55.44            | 49.92         | -133.55                | 3,792.46       | -541.91      | 1,947.38               | 1,854.82                | 92.56                     | 21.039            |           |  |
| 15,100.00                                               | 11,183.84             | 15,859.02             | 12,523.60             | 56.72            | 49.50         | -133.58                | 3,887.75       | -540.36      | 1,944.80               | 1,851.79                | 93.00                     | 20.911            |           |  |
| 15,200.00                                               | 11,182.97             | 15,792.71             | 12,521.44             | 58.00            | 49.22         | -133.55                | 3,954.02       | -540.72      | 1,943.04               | 1,849.52                | 93.52                     | 20.777            |           |  |
| 15,225.72                                               | 11,182.75             | 15,779.56             | 12,521.21             | 58.33            | 49.16         | -133.54                | 3,967.17       | -540.90      | 1,942.96               | 1,849.31                | 93.65                     | 20.746            |           |  |
| 15,300.00                                               | 11,182.11             | 15,730.00             | 12,521.16             | 59.29            | 48.94         | -133.54                | 4,016.71       | -541.79      | 1,943.72               | 1,849.70                | 94.02                     | 20.674            |           |  |
| 15,400.00                                               | 11,181.24             | 15,664.23             | 12,521.46             | 60.57            | 48.67         | -133.53                | 4,082.44       | -544.02      | 1,946.26               | 1,851.75                | 94.51                     | 20.593            |           |  |
| 15,500.00                                               | 11,180.37             | 15,570.23             | 12,521.00             | 61.87            | 48.27         | -133.46                | 4,176.32       | -548.74      | 1,949.52               | 1,854.48                | 95.04                     | 20.512            |           |  |
| 15,600.00                                               | 11,179.51             | 15,410.15             | 12,517.75             | 63.16            | 47.62         | -133.32                | 4,336.21       | -554.97      | 1,950.67               | 1,855.03                | 95.64                     | 20.395            |           |  |
| 15,700.00                                               | 11,178.64             | 15,352.00             | 12,516.14             | 64.46            | 47.39         | -133.26                | 4,394.29       | -557.24      | 1,951.76               | 1,855.56                | 96.20                     | 20.289            |           |  |
| 15,800.00                                               | 11,177.77             | 15,203.62             | 12,514.62             | 65.76            | 46.81         | -133.19                | 4,542.57       | -561.80      | 1,953.43               | 1,856.63                | 96.80                     | 20.181            |           |  |
| 15,900.00                                               | 11,176.91             | 14,999.66             | 12,503.71             | 67.06            | 46.05         | -133.04                | 4,746.19       | -561.39      | 1,948.41               | 1,851.00                | 97.40                     | 20.003            |           |  |
| 16,000.00                                               | 11,176.04             | 14,930.97             | 12,499.97             | 68.37            | 45.81         | -133.00                | 4,814.76       | -560.31      | 1,943.61               | 1,845.58                | 98.03                     | 19.826            |           |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Coonskin Fee 702H - OH - OH

| <b>Survey Program:</b> 100-3_Gyro-NS_OWSG, 11763-3_MWD+IFR1+MS |                             |                             |                             |                     |                                     |                             |                        |                 |                              | <b>Rule Assigned:</b>         |                                 | <b>Offset Site Error:</b> | 0.00 usft |
|----------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|-------------------------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|---------------------------|-----------|
| <b>Reference</b>                                               |                             |                             |                             |                     |                                     |                             |                        |                 |                              | <b>Offset Well Error:</b>     |                                 | 0.00 usft                 |           |
| Measured<br>Depth<br>(usft)                                    | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning   |
|                                                                |                             |                             |                             |                     |                                     |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                           |           |
| 16,100.00                                                      | 11,175.17                   | 14,860.63                   | 12,498.41                   | 69.68               | 45.56                               | -133.01                     | 4,885.08               | -559.30         | 1,940.87                     | 1,842.25                      | 98.62                           | 19.680                    |           |
| 16,200.00                                                      | 11,174.31                   | 14,739.13                   | 12,494.50                   | 70.99               | 45.15                               | -133.01                     | 5,006.51               | -557.62         | 1,937.53                     | 1,838.30                      | 99.22                           | 19.527                    |           |
| 16,300.00                                                      | 11,173.44                   | 14,657.72                   | 12,492.26                   | 72.30               | 44.88                               | -133.01                     | 5,087.88               | -556.48         | 1,934.59                     | 1,834.76                      | 99.84                           | 19.378                    |           |
| 16,400.00                                                      | 11,172.57                   | 14,597.00                   | 12,491.71                   | 73.62               | 44.69                               | -133.04                     | 5,148.58               | -555.40         | 1,932.85                     | 1,832.44                      | 100.41                          | 19.249                    |           |
| 16,455.23                                                      | 11,172.10                   | 14,549.29                   | 12,492.00                   | 74.34               | 44.54                               | -133.08                     | 5,196.28               | -554.67         | 1,932.47                     | 1,831.75                      | 100.73                          | 19.185                    |           |
| 16,500.00                                                      | 11,171.71                   | 14,521.56                   | 12,492.44                   | 74.93               | 44.45                               | -133.11                     | 5,224.01               | -554.44         | 1,932.67                     | 1,831.70                      | 100.97                          | 19.141                    |           |
| 16,600.00                                                      | 11,170.84                   | 14,429.43                   | 12,494.11                   | 76.25               | 44.17                               | -133.17                     | 5,316.12               | -554.65         | 1,934.01                     | 1,832.46                      | 101.55                          | 19.044                    |           |
| 16,700.00                                                      | 11,169.97                   | 14,312.72                   | 12,493.85                   | 77.57               | 43.82                               | -133.17                     | 5,432.82               | -556.42         | 1,934.93                     | 1,832.69                      | 102.24                          | 18.925                    |           |
| 16,800.00                                                      | 11,169.11                   | 14,205.98                   | 12,491.97                   | 78.90               | 43.52                               | -133.13                     | 5,539.51               | -558.54         | 1,935.13                     | 1,832.16                      | 102.97                          | 18.794                    |           |
| 16,900.00                                                      | 11,168.24                   | 14,116.19                   | 12,490.48                   | 80.22               | 43.28                               | -133.09                     | 5,629.28               | -560.37         | 1,935.45                     | 1,831.78                      | 103.67                          | 18.669                    |           |
| 17,000.00                                                      | 11,167.37                   | 14,031.00                   | 12,489.81                   | 81.55               | 43.06                               | -133.07                     | 5,714.44               | -562.36         | 1,936.56                     | 1,832.19                      | 104.37                          | 18.555                    |           |
| 17,100.00                                                      | 11,166.51                   | 13,961.08                   | 12,489.82                   | 82.87               | 42.88                               | -133.05                     | 5,784.32               | -564.59         | 1,938.81                     | 1,833.78                      | 105.03                          | 18.460                    |           |
| 17,200.00                                                      | 11,165.64                   | 13,799.94                   | 12,485.77                   | 84.20               | 42.50                               | -132.89                     | 5,945.25               | -570.88         | 1,939.75                     | 1,833.68                      | 106.07                          | 18.288                    |           |
| 17,300.00                                                      | 11,164.77                   | 13,652.00                   | 12,477.68                   | 85.53               | 42.18                               | -132.66                     | 6,092.85               | -576.46         | 1,938.97                     | 1,831.83                      | 107.14                          | 18.097                    |           |
| 17,400.00                                                      | 11,163.91                   | 13,558.00                   | 12,472.03                   | 86.86               | 41.99                               | -132.53                     | 6,186.66               | -578.41         | 1,936.38                     | 1,828.34                      | 108.04                          | 17.923                    |           |
| 17,500.00                                                      | 11,163.04                   | 13,470.62                   | 12,467.29                   | 88.19               | 41.82                               | -132.41                     | 6,273.87               | -581.01         | 1,934.78                     | 1,825.85                      | 108.93                          | 17.762                    |           |
| 17,600.00                                                      | 11,162.18                   | 11,148.30                   | 11,122.42                   | 89.53               | 38.77                               | -88.82                      | 7,543.18               | -585.30         | 1,869.68                     | 1,756.38                      | 113.30                          | 16.503                    |           |
| 17,700.00                                                      | 11,161.31                   | 11,149.07                   | 11,123.19                   | 90.86               | 38.78                               | -88.85                      | 7,543.19               | -585.31         | 1,806.35                     | 1,690.07                      | 116.28                          | 15.534                    |           |
| 17,800.00                                                      | 11,160.44                   | 11,149.84                   | 11,123.95                   | 92.20               | 38.78                               | -88.88                      | 7,543.20               | -585.32         | 1,746.45                     | 1,627.11                      | 119.35                          | 14.634                    |           |
| 17,900.00                                                      | 11,159.58                   | 11,150.60                   | 11,124.72                   | 93.53               | 38.78                               | -88.91                      | 7,543.21               | -585.33         | 1,690.36                     | 1,567.90                      | 122.45                          | 13.804                    |           |
| 18,000.00                                                      | 11,158.71                   | 11,151.36                   | 11,125.48                   | 94.87               | 38.78                               | -88.95                      | 7,543.22               | -585.34         | 1,638.45                     | 1,512.87                      | 125.57                          | 13.048                    |           |
| 18,100.00                                                      | 11,157.84                   | 11,152.06                   | 11,126.17                   | 96.21               | 38.79                               | -88.97                      | 7,543.23               | -585.35         | 1,591.13                     | 1,462.48                      | 128.65                          | 12.368                    |           |
| 18,200.00                                                      | 11,156.98                   | 11,152.81                   | 11,126.92                   | 97.55               | 38.79                               | -89.00                      | 7,543.25               | -585.36         | 1,548.84                     | 1,417.20                      | 131.64                          | 11.766                    |           |
| 18,300.00                                                      | 11,156.11                   | 11,153.56                   | 11,127.68                   | 98.89               | 38.79                               | -89.03                      | 7,543.26               | -585.37         | 1,511.99                     | 1,377.51                      | 134.47                          | 11.244                    |           |
| 18,400.00                                                      | 11,155.24                   | 11,154.33                   | 11,128.45                   | 100.23              | 38.79                               | -89.06                      | 7,543.27               | -585.38         | 1,480.98                     | 1,343.90                      | 137.08                          | 10.804                    |           |
| 18,500.00                                                      | 11,154.38                   | 11,155.10                   | 11,129.22                   | 101.57              | 38.80                               | -89.10                      | 7,543.28               | -585.39         | 1,456.19                     | 1,316.80                      | 139.39                          | 10.447                    |           |
| 18,600.00                                                      | 11,153.51                   | 11,155.88                   | 11,130.00                   | 102.91              | 38.80                               | -89.13                      | 7,543.29               | -585.41         | 1,437.95                     | 1,296.61                      | 141.34                          | 10.174                    |           |
| 18,700.00                                                      | 11,152.64                   | 11,156.67                   | 11,130.78                   | 104.26              | 38.80                               | -89.16                      | 7,543.31               | -585.42         | 1,426.50                     | 1,283.64                      | 142.86                          | 9.985                     |           |
| 18,800.00                                                      | 11,151.78                   | 11,157.46                   | 11,131.58                   | 105.60              | 38.81                               | -89.19                      | 7,543.32               | -585.43         | 1,422.00                     | 1,278.09                      | 143.91                          | 9.881                     |           |
| 18,814.04                                                      | 11,151.65                   | 11,157.58                   | 11,131.69                   | 105.79              | 38.81                               | -89.20                      | 7,543.32               | -585.43         | 1,421.93                     | 1,277.91                      | 144.02                          | 9.873                     | CC, ES    |
| 18,849.18                                                      | 11,151.35                   | 11,157.86                   | 11,131.97                   | 106.26              | 38.81                               | -89.21                      | 7,543.32               | -585.43         | 1,422.37                     | 1,278.11                      | 144.25                          | 9.860                     | SF        |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 #113H - OH - OH

| Survey Program: 151-3_MWD+HRGM |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft)    | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 0.00                           | 0.00                        | 0.00                        | 10.50                       | 0.00                | 0.00             | 89.45                       | 19.00                  | 1,993.00        | 1,993.12                     |                               |                                 |                      |         |
| 100.00                         | 100.00                      | 80.49                       | 90.99                       | 0.84                | 0.12             | 89.46                       | 18.96                  | 1,993.18        | 1,993.29                     | 1,992.33                      | 0.96                            | 2,069.307            |         |
| 200.00                         | 200.00                      | 175.04                      | 185.54                      | 1.48                | 0.31             | 89.46                       | 18.83                  | 1,993.83        | 1,993.97                     | 1,992.18                      | 1.79                            | 1,115.526            |         |
| 300.00                         | 300.00                      | 279.14                      | 289.63                      | 1.92                | 0.68             | 89.45                       | 19.20                  | 1,994.37        | 1,994.49                     | 1,991.89                      | 2.59                            | 768.677              |         |
| 400.00                         | 400.00                      | 372.11                      | 382.61                      | 2.28                | 1.01             | 89.44                       | 19.35                  | 1,995.01        | 1,995.18                     | 1,991.89                      | 3.28                            | 607.475              |         |
| 500.00                         | 500.00                      | 464.34                      | 474.83                      | 2.59                | 1.34             | 89.43                       | 19.87                  | 1,995.98        | 1,996.24                     | 1,992.32                      | 3.93                            | 508.489              |         |
| 600.00                         | 600.00                      | 569.21                      | 579.68                      | 2.87                | 1.72             | 89.40                       | 20.79                  | 1,997.33        | 1,997.54                     | 1,992.96                      | 4.58                            | 436.046              |         |
| 700.00                         | 700.00                      | 655.86                      | 666.32                      | 3.12                | 2.03             | 89.39                       | 21.24                  | 1,998.29        | 1,998.69                     | 1,993.54                      | 5.15                            | 388.279              |         |
| 800.00                         | 800.00                      | 741.88                      | 752.33                      | 3.23                | 2.33             | -14.64                      | 21.23                  | 2,000.16        | 2,000.52                     | 1,994.96                      | 5.56                            | 359.681              |         |
| 900.00                         | 899.96                      | 842.05                      | 852.47                      | 3.51                | 2.69             | -14.69                      | 22.06                  | 2,002.59        | 2,000.42                     | 1,994.23                      | 6.19                            | 322.994              |         |
| 1,000.00                       | 999.82                      | 952.08                      | 962.46                      | 3.77                | 3.09             | -14.76                      | 22.76                  | 2,004.96        | 1,997.53                     | 1,990.68                      | 6.85                            | 291.757              |         |
| 1,100.00                       | 1,099.51                    | 1,046.81                    | 1,057.17                    | 4.03                | 3.42             | -14.81                      | 22.10                  | 2,006.82        | 1,991.90                     | 1,984.46                      | 7.43                            | 267.961              |         |
| 1,200.00                       | 1,198.96                    | 1,149.84                    | 1,160.17                    | 4.27                | 3.79             | -14.88                      | 20.63                  | 2,009.04        | 1,983.92                     | 1,975.88                      | 8.04                            | 246.722              |         |
| 1,300.00                       | 1,298.11                    | 1,248.13                    | 1,258.37                    | 4.44                | 4.13             | -14.91                      | 17.02                  | 2,010.98        | 1,973.24                     | 1,964.69                      | 8.55                            | 230.814              |         |
| 1,400.00                       | 1,397.13                    | 1,363.57                    | 1,373.59                    | 4.63                | 4.54             | -14.83                      | 10.30                  | 2,013.04        | 1,961.50                     | 1,952.35                      | 9.15                            | 214.420              |         |
| 1,500.00                       | 1,496.16                    | 1,471.69                    | 1,481.47                    | 4.83                | 4.92             | -14.73                      | 3.04                   | 2,014.17        | 1,949.01                     | 1,939.28                      | 9.72                            | 200.466              |         |
| 1,600.00                       | 1,595.19                    | 1,579.22                    | 1,588.77                    | 5.02                | 5.30             | -14.64                      | -3.84                  | 2,014.79        | 1,936.05                     | 1,925.76                      | 10.30                           | 188.033              |         |
| 1,700.00                       | 1,694.21                    | 1,695.16                    | 1,704.52                    | 5.21                | 5.70             | -14.56                      | -10.52                 | 2,014.92        | 1,922.68                     | 1,911.78                      | 10.90                           | 176.409              |         |
| 1,800.00                       | 1,793.24                    | 1,810.74                    | 1,819.96                    | 5.41                | 6.11             | -14.51                      | -16.14                 | 2,013.64        | 1,908.04                     | 1,896.54                      | 11.50                           | 165.947              |         |
| 1,900.00                       | 1,892.27                    | 1,914.63                    | 1,923.71                    | 5.60                | 6.47             | -14.47                      | -21.21                 | 2,012.08        | 1,893.04                     | 1,880.99                      | 12.06                           | 157.008              |         |
| 2,000.00                       | 1,991.30                    | 2,003.02                    | 2,011.98                    | 5.80                | 6.78             | -14.43                      | -25.54                 | 2,010.81        | 1,878.13                     | 1,865.56                      | 12.57                           | 149.446              |         |
| 2,100.00                       | 2,090.32                    | 2,110.08                    | 2,118.89                    | 5.99                | 7.16             | -14.37                      | -30.97                 | 2,009.57        | 1,863.48                     | 1,850.34                      | 13.14                           | 141.804              |         |
| 2,200.00                       | 2,189.35                    | 2,233.46                    | 2,242.01                    | 6.19                | 7.60             | -14.27                      | -38.49                 | 2,006.80        | 1,847.73                     | 1,833.96                      | 13.77                           | 134.195              |         |
| 2,300.00                       | 2,288.38                    | 2,346.34                    | 2,354.57                    | 6.38                | 8.01             | -14.14                      | -46.33                 | 2,003.40        | 1,831.28                     | 1,816.91                      | 14.36                           | 127.502              |         |
| 2,400.00                       | 2,387.40                    | 2,471.35                    | 2,479.16                    | 6.58                | 8.45             | -14.00                      | -54.95                 | 1,997.73        | 1,813.25                     | 1,798.26                      | 14.99                           | 120.951              |         |
| 2,500.00                       | 2,486.43                    | 2,569.64                    | 2,577.10                    | 6.77                | 8.80             | -13.90                      | -61.36                 | 1,992.66        | 1,794.67                     | 1,779.13                      | 15.54                           | 115.503              |         |
| 2,600.00                       | 2,585.46                    | 2,662.17                    | 2,669.33                    | 6.97                | 9.14             | -13.81                      | -67.19                 | 1,988.09        | 1,776.31                     | 1,760.24                      | 16.07                           | 110.553              |         |
| 2,700.00                       | 2,684.48                    | 2,752.71                    | 2,759.62                    | 7.16                | 9.46             | -13.74                      | -72.46                 | 1,983.97        | 1,758.33                     | 1,741.73                      | 16.59                           | 105.975              |         |
| 2,800.00                       | 2,783.51                    | 2,848.77                    | 2,855.46                    | 7.36                | 9.81             | -13.66                      | -77.78                 | 1,979.94        | 1,740.70                     | 1,723.56                      | 17.13                           | 101.599              |         |
| 2,900.00                       | 2,882.54                    | 2,949.58                    | 2,956.03                    | 7.56                | 10.17            | -13.59                      | -83.15                 | 1,975.67        | 1,723.03                     | 1,705.34                      | 17.69                           | 97.407               |         |
| 3,000.00                       | 2,981.57                    | 3,052.78                    | 3,059.00                    | 7.76                | 10.54            | -13.53                      | -88.28                 | 1,971.08        | 1,705.15                     | 1,686.90                      | 18.25                           | 93.427               |         |
| 3,100.00                       | 3,080.59                    | 3,136.36                    | 3,142.42                    | 7.95                | 10.84            | -13.49                      | -92.08                 | 1,967.55        | 1,687.50                     | 1,668.74                      | 18.76                           | 89.972               |         |
| 3,200.00                       | 3,179.62                    | 3,226.42                    | 3,232.33                    | 8.15                | 11.16            | -13.45                      | -96.28                 | 1,964.49        | 1,670.65                     | 1,651.37                      | 19.28                           | 86.649               |         |
| 3,300.00                       | 3,278.65                    | 3,330.63                    | 3,336.36                    | 8.35                | 11.54            | -13.39                      | -101.33                | 1,961.05        | 1,653.91                     | 1,634.06                      | 19.85                           | 83.325               |         |
| 3,400.00                       | 3,377.67                    | 3,422.65                    | 3,428.22                    | 8.55                | 11.87            | -13.33                      | -105.83                | 1,957.89        | 1,637.04                     | 1,616.66                      | 20.38                           | 80.319               |         |
| 3,500.00                       | 3,476.70                    | 3,524.11                    | 3,529.51                    | 8.75                | 12.24            | -13.27                      | -110.71                | 1,954.67        | 1,620.43                     | 1,599.49                      | 20.94                           | 77.375               |         |
| 3,600.00                       | 3,575.73                    | 3,624.23                    | 3,629.46                    | 8.95                | 12.61            | -13.22                      | -115.27                | 1,951.27        | 1,603.59                     | 1,582.09                      | 21.50                           | 74.589               |         |
| 3,700.00                       | 3,674.75                    | 3,696.79                    | 3,701.91                    | 9.15                | 12.87            | -13.18                      | -118.64                | 1,949.33        | 1,587.48                     | 1,565.51                      | 21.97                           | 72.242               |         |
| 3,800.00                       | 3,773.78                    | 3,772.20                    | 3,777.22                    | 9.36                | 13.14            | -13.12                      | -122.58                | 1,948.58        | 1,573.02                     | 1,550.56                      | 22.46                           | 70.046               |         |
| 3,900.00                       | 3,872.81                    | 3,865.24                    | 3,870.08                    | 9.56                | 13.48            | -13.02                      | -128.29                | 1,948.73        | 1,559.71                     | 1,536.71                      | 23.00                           | 67.822               |         |
| 4,000.00                       | 3,971.84                    | 3,968.57                    | 3,973.13                    | 9.76                | 13.87            | -12.85                      | -135.89                | 1,948.47        | 1,546.04                     | 1,522.46                      | 23.57                           | 65.583               |         |
| 4,100.00                       | 4,070.86                    | 4,087.44                    | 4,091.69                    | 9.96                | 14.30            | -12.67                      | -144.44                | 1,947.72        | 1,532.06                     | 1,507.86                      | 24.20                           | 63.311               |         |
| 4,200.00                       | 4,169.89                    | 4,209.48                    | 4,213.48                    | 10.17               | 14.75            | -12.53                      | -151.70                | 1,944.77        | 1,516.21                     | 1,491.38                      | 24.83                           | 61.072               |         |
| 4,300.00                       | 4,268.92                    | 4,307.50                    | 4,311.29                    | 10.37               | 15.11            | -12.42                      | -157.34                | 1,941.99        | 1,499.98                     | 1,474.60                      | 25.38                           | 59.096               |         |
| 4,400.00                       | 4,367.94                    | 4,464.43                    | 4,467.81                    | 10.57               | 15.68            | -12.27                      | -165.61                | 1,934.44        | 1,481.87                     | 1,455.79                      | 26.08                           | 56.812               |         |
| 4,500.00                       | 4,466.97                    | 4,567.41                    | 4,570.46                    | 10.78               | 16.05            | -12.24                      | -169.27                | 1,927.01        | 1,461.26                     | 1,434.62                      | 26.64                           | 54.855               |         |
| 4,600.00                       | 4,566.00                    | 4,631.29                    | 4,634.21                    | 10.98               | 16.28            | -12.26                      | -170.53                | 1,923.11        | 1,441.75                     | 1,414.65                      | 27.10                           | 53.194               |         |
| 4,700.00                       | 4,665.02                    | 4,693.19                    | 4,696.06                    | 11.18               | 16.50            | -12.30                      | -171.38                | 1,920.94        | 1,424.73                     | 1,397.17                      | 27.55                           | 51.708               |         |
| 4,800.00                       | 4,764.05                    | 4,762.00                    | 4,764.86                    | 11.39               | 16.74            | -12.33                      | -172.56                | 1,920.39        | 1,410.27                     | 1,382.26                      | 28.01                           | 50.345               |         |
| 4,900.00                       | 4,863.08                    | 4,828.33                    | 4,831.16                    | 11.59               | 16.97            | -12.35                      | -174.19                | 1,921.33        | 1,398.02                     | 1,369.57                      | 28.46                           | 49.130               |         |
| 5,000.00                       | 4,962.10                    | 4,915.74                    | 4,918.49                    | 11.80               | 17.28            | -12.34                      | -177.00                | 1,923.79        | 1,387.29                     | 1,358.33                      | 28.96                           | 47.898               |         |
| 5,100.00                       | 5,061.13                    | 5,018.24                    | 5,020.88                    | 12.00               | 17.64            | -12.33                      | -180.32                | 1,926.89        | 1,376.80                     | 1,347.27                      | 29.52                           | 46.633               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 #113H - OH - OH

| Survey Program: 151-3_MWD+HRGM |                       |                       |                       | Reference        |               | Offset       |              | Semi Major Axis |                        | Highside                |                           | Offset Wellbore Centre |         | Distance |  | Rule Assigned: |  | Offset Well Error: |  | 0.00 usft |  |
|--------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|--------------|--------------|-----------------|------------------------|-------------------------|---------------------------|------------------------|---------|----------|--|----------------|--|--------------------|--|-----------|--|
| Measured Depth (usft)          | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Toolface (°) | +N/-S (usft) | +E/-W (usft)    | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor      | Warning |          |  |                |  |                    |  |           |  |
| 5,200.00                       | 5,160.16              | 5,131.81              | 5,134.37              | 12.20            | 18.04         | -12.33       | -183.81      | 1,929.69        | 1,365.76               | 1,335.64                | 30.12                     | 45.339                 |         |          |  |                |  |                    |  |           |  |
| 5,300.00                       | 5,259.19              | 5,263.02              | 5,265.48              | 12.41            | 18.52         | -12.29       | -188.80      | 1,930.49        | 1,352.89               | 1,322.11                | 30.78                     | 43.955                 |         |          |  |                |  |                    |  |           |  |
| 5,400.00                       | 5,358.21              | 5,385.24              | 5,387.60              | 12.61            | 18.96         | -12.24       | -193.37      | 1,928.66        | 1,337.92               | 1,306.52                | 31.40                     | 42.610                 |         |          |  |                |  |                    |  |           |  |
| 5,500.00                       | 5,457.24              | 5,486.58              | 5,488.85              | 12.82            | 19.32         | -12.22       | -196.78      | 1,926.30        | 1,322.12               | 1,290.16                | 31.96                     | 41.371                 |         |          |  |                |  |                    |  |           |  |
| 5,600.00                       | 5,556.27              | 5,592.24              | 5,594.40              | 13.02            | 19.71         | -12.18       | -200.79      | 1,923.30        | 1,305.84               | 1,273.31                | 32.53                     | 40.144                 |         |          |  |                |  |                    |  |           |  |
| 5,700.00                       | 5,655.29              | 5,692.62              | 5,694.64              | 13.23            | 20.07         | -12.12       | -204.94      | 1,920.16        | 1,289.27               | 1,256.18                | 33.09                     | 38.967                 |         |          |  |                |  |                    |  |           |  |
| 5,800.00                       | 5,754.32              | 5,791.15              | 5,793.03              | 13.43            | 20.43         | -12.06       | -209.07      | 1,916.97        | 1,272.60               | 1,238.96                | 33.64                     | 37.830                 |         |          |  |                |  |                    |  |           |  |
| 5,900.00                       | 5,853.35              | 5,887.60              | 5,889.31              | 13.64            | 20.78         | -11.96       | -213.92      | 1,913.94        | 1,256.08               | 1,221.89                | 34.19                     | 36.737                 |         |          |  |                |  |                    |  |           |  |
| 6,000.00                       | 5,952.37              | 5,984.49              | 5,986.03              | 13.84            | 21.13         | -11.85       | -218.91      | 1,911.04        | 1,239.69               | 1,204.95                | 34.74                     | 35.681                 |         |          |  |                |  |                    |  |           |  |
| 6,100.00                       | 6,051.40              | 6,080.30              | 6,081.67              | 14.05            | 21.49         | -11.74       | -223.89      | 1,908.33        | 1,223.48               | 1,188.18                | 35.29                     | 34.665                 |         |          |  |                |  |                    |  |           |  |
| 6,200.00                       | 6,150.43              | 6,176.51              | 6,177.73              | 14.25            | 21.84         | -11.63       | -228.80      | 1,905.86        | 1,207.53               | 1,171.69                | 35.85                     | 33.688                 |         |          |  |                |  |                    |  |           |  |
| 6,300.00                       | 6,249.46              | 6,274.38              | 6,275.47              | 14.46            | 22.19         | -11.54       | -233.25      | 1,903.49        | 1,191.70               | 1,155.30                | 36.40                     | 32.739                 |         |          |  |                |  |                    |  |           |  |
| 6,400.00                       | 6,348.48              | 6,373.45              | 6,374.43              | 14.66            | 22.55         | -11.48       | -237.17      | 1,901.15        | 1,175.91               | 1,138.95                | 36.96                     | 31.819                 |         |          |  |                |  |                    |  |           |  |
| 6,500.00                       | 6,447.51              | 6,471.42              | 6,472.30              | 14.86            | 22.91         | -11.42       | -240.91      | 1,898.81        | 1,160.07               | 1,122.57                | 37.51                     | 30.928                 |         |          |  |                |  |                    |  |           |  |
| 6,600.00                       | 6,546.54              | 6,567.66              | 6,568.45              | 15.07            | 23.26         | -11.37       | -244.50      | 1,896.68        | 1,144.42               | 1,106.36                | 38.06                     | 30.071                 |         |          |  |                |  |                    |  |           |  |
| 6,700.00                       | 6,645.56              | 6,667.19              | 6,667.89              | 15.27            | 23.62         | -11.31       | -248.18      | 1,894.62        | 1,128.90               | 1,090.29                | 38.61                     | 29.235                 |         |          |  |                |  |                    |  |           |  |
| 6,800.00                       | 6,744.59              | 6,765.99              | 6,766.60              | 15.48            | 23.98         | -11.26       | -251.79      | 1,892.44        | 1,113.25               | 1,074.08                | 39.17                     | 28.421                 |         |          |  |                |  |                    |  |           |  |
| 6,900.00                       | 6,843.62              | 6,861.64              | 6,862.16              | 15.68            | 24.32         | -11.21       | -255.21      | 1,890.49        | 1,097.76               | 1,058.04                | 39.72                     | 27.640                 |         |          |  |                |  |                    |  |           |  |
| 7,000.00                       | 6,942.64              | 6,951.07              | 6,951.52              | 15.89            | 24.65         | -11.16       | -258.47      | 1,889.13        | 1,082.79               | 1,042.54                | 40.25                     | 26.903                 |         |          |  |                |  |                    |  |           |  |
| 7,100.00                       | 7,041.67              | 7,045.53              | 7,045.95              | 16.09            | 24.99         | -11.16       | -261.08      | 1,888.53        | 1,068.64               | 1,027.85                | 40.79                     | 26.198                 |         |          |  |                |  |                    |  |           |  |
| 7,200.00                       | 7,140.70              | 7,145.51              | 7,145.90              | 16.30            | 25.35         | -11.16       | -263.69      | 1,887.97        | 1,054.57               | 1,013.22                | 41.35                     | 25.505                 |         |          |  |                |  |                    |  |           |  |
| 7,300.00                       | 7,239.73              | 7,243.48              | 7,243.83              | 16.50            | 25.70         | -11.16       | -266.35      | 1,887.36        | 1,040.44               | 998.54                  | 41.90                     | 24.832                 |         |          |  |                |  |                    |  |           |  |
| 7,400.00                       | 7,338.75              | 7,334.01              | 7,334.33              | 16.71            | 26.02         | -11.17       | -268.49      | 1,887.20        | 1,026.73               | 984.30                  | 42.43                     | 24.200                 |         |          |  |                |  |                    |  |           |  |
| 7,500.00                       | 7,437.83              | 7,427.98              | 7,428.28              | 16.89            | 26.36         | -11.21       | -269.95      | 1,887.84        | 1,014.20               | 971.27                  | 42.94                     | 23.621                 |         |          |  |                |  |                    |  |           |  |
| 7,600.00                       | 7,537.20              | 7,526.83              | 7,527.11              | 17.07            | 26.71         | -11.21       | -271.65      | 1,888.75        | 1,004.22               | 960.74                  | 43.49                     | 23.093                 |         |          |  |                |  |                    |  |           |  |
| 7,700.00                       | 7,636.83              | 7,623.56              | 7,623.82              | 17.24            | 27.05         | -11.18       | -273.47      | 1,889.74        | 996.92                 | 952.90                  | 44.02                     | 22.647                 |         |          |  |                |  |                    |  |           |  |
| 7,800.00                       | 7,736.65              | 7,724.19              | 7,724.42              | 17.38            | 27.40         | -11.13       | -275.39      | 1,890.96        | 992.36                 | 947.81                  | 44.55                     | 22.273                 |         |          |  |                |  |                    |  |           |  |
| 7,900.00                       | 7,836.59              | 7,821.50              | 7,821.72              | 17.51            | 27.74         | -11.06       | -277.23      | 1,892.18        | 990.41                 | 945.35                  | 45.06                     | 21.979                 |         |          |  |                |  |                    |  |           |  |
| 7,923.40                       | 7,859.98              | 7,844.49              | 7,844.69              | 17.52            | 27.83         | -11.04       | -277.63      | 1,892.51        | 990.35                 | 945.19                  | 45.16                     | 21.932                 | CC, ES  |          |  |                |  |                    |  |           |  |
| 8,000.00                       | 7,936.58              | 7,920.28              | 7,920.47              | 17.56            | 28.09         | 93.06        | -278.92      | 1,893.64        | 991.19                 | 945.72                  | 45.47                     | 21.799                 |         |          |  |                |  |                    |  |           |  |
| 8,100.00                       | 8,036.58              | 8,021.30              | 8,021.46              | 17.60            | 28.44         | 93.15        | -280.53      | 1,895.15        | 992.76                 | 946.90                  | 45.86                     | 21.647                 |         |          |  |                |  |                    |  |           |  |
| 8,200.00                       | 8,136.58              | 8,121.75              | 8,121.89              | 17.64            | 28.79         | 93.22        | -281.79      | 1,896.57        | 994.25                 | 948.00                  | 46.25                     | 21.497                 |         |          |  |                |  |                    |  |           |  |
| 8,300.00                       | 8,236.58              | 8,218.99              | 8,219.12              | 17.68            | 29.13         | 93.24        | -282.31      | 1,898.13        | 995.87                 | 949.25                  | 46.62                     | 21.360                 |         |          |  |                |  |                    |  |           |  |
| 8,400.00                       | 8,336.58              | 8,317.75              | 8,317.86              | 17.72            | 29.46         | 93.22        | -282.10      | 1,899.92        | 997.68                 | 950.68                  | 46.99                     | 21.230                 |         |          |  |                |  |                    |  |           |  |
| 8,500.00                       | 8,436.58              | 8,415.52              | 8,415.61              | 17.77            | 29.78         | 93.18        | -281.41      | 1,901.92        | 999.67                 | 952.31                  | 47.36                     | 21.108                 |         |          |  |                |  |                    |  |           |  |
| 8,600.00                       | 8,536.58              | 8,515.28              | 8,515.34              | 17.81            | 30.11         | 93.09        | -280.04      | 1,904.15        | 1,001.83               | 954.10                  | 47.73                     | 20.990                 |         |          |  |                |  |                    |  |           |  |
| 8,700.00                       | 8,636.58              | 8,617.79              | 8,617.80              | 17.85            | 30.45         | 92.97        | -278.00      | 1,906.26        | 1,003.78               | 955.68                  | 48.11                     | 20.866                 |         |          |  |                |  |                    |  |           |  |
| 8,800.00                       | 8,736.58              | 8,717.07              | 8,717.06              | 17.89            | 30.78         | 92.89        | -276.64      | 1,908.21        | 1,005.67               | 957.20                  | 48.47                     | 20.746                 |         |          |  |                |  |                    |  |           |  |
| 8,900.00                       | 8,836.58              | 8,814.10              | 8,814.06              | 17.93            | 31.10         | 92.83        | -275.74      | 1,910.24        | 1,007.72               | 958.88                  | 48.84                     | 20.633                 |         |          |  |                |  |                    |  |           |  |
| 9,000.00                       | 8,936.58              | 8,910.91              | 8,910.84              | 17.98            | 31.43         | 92.79        | -275.16      | 1,912.64        | 1,010.16               | 960.96                  | 49.21                     | 20.529                 |         |          |  |                |  |                    |  |           |  |
| 9,100.00                       | 9,036.58              | 9,010.37              | 9,010.26              | 18.02            | 31.76         | 92.77        | -274.86      | 1,915.22        | 1,012.74               | 963.16                  | 49.58                     | 20.425                 |         |          |  |                |  |                    |  |           |  |
| 9,200.00                       | 9,136.58              | 9,111.16              | 9,111.02              | 18.06            | 32.11         | 92.76        | -274.96      | 1,917.82        | 1,015.33               | 965.36                  | 49.97                     | 20.319                 |         |          |  |                |  |                    |  |           |  |
| 9,300.00                       | 9,236.58              | 9,213.03              | 9,212.86              | 18.11            | 32.45         | 92.77        | -275.22      | 1,920.28        | 1,017.75               | 967.39                  | 50.36                     | 20.209                 |         |          |  |                |  |                    |  |           |  |
| 9,400.00                       | 9,336.58              | 9,321.71              | 9,321.52              | 18.15            | 32.83         | 92.77        | -275.20      | 1,922.47        | 1,019.77               | 969.00                  | 50.77                     | 20.084                 |         |          |  |                |  |                    |  |           |  |
| 9,500.00                       | 9,436.58              | 9,425.50              | 9,425.30              | 18.20            | 33.17         | 92.72        | -274.37      | 1,923.78        | 1,020.99               | 969.82                  | 51.16                     | 19.955                 |         |          |  |                |  |                    |  |           |  |
| 9,600.00                       | 9,536.58              | 9,526.07              | 9,525.85              | 18.24            | 33.51         | 92.64        | -273.13      | 1,924.91        | 1,022.06               | 970.51                  | 51.54                     | 19.829                 |         |          |  |                |  |                    |  |           |  |
| 9,700.00                       | 9,636.58              | 9,628.45              | 9,628.22              | 18.29            | 33.85         | 92.58        | -272.11      | 1,925.92        | 1,022.99               | 971.07                  | 51.93                     | 19.700                 |         |          |  |                |  |                    |  |           |  |
| 9,800.00                       | 9,736.58              | 9,730.10              | 9,729.87              | 18.33            | 34.19         | 92.54        | -271.29      | 1,926.71        | 1,023.74               | 971.43                  | 52.31                     | 19.570                 |         |          |  |                |  |                    |  |           |  |
| 9,900.00                       | 9,836.58              | 9,834.32              | 9,834.08              | 18.38            | 34.54         | 92.49        | -270.49      | 1,927.26        | 1,024.23               | 971.53                  | 52.70                     | 19.434                 |         |          |  |                |  |                    |  |           |  |
| 10,000.00                      | 9,936.58              | 9,970.55              | 9,970.18              | 18.43            | 34.99         | 92.26        | -266.27      | 1,926.27        | 1,023.62               | 970.44                  | 53.17                     | 19.250                 |         |          |  |                |  |                    |  |           |  |
| 10,100.00                      | 10,036.58             | 10,112.99             | 10,106.99             | 18.47            | 35.42         | 90.18        | -229.13      | 1,920.21        | 1,018.65               | 965.04                  | 53.61                     | 19.001                 |         |          |  |                |  |                    |  |           |  |
| 10,200.00                      | 10,136.58             | 10,177.19             | 10,165.32             | 18.52            | 35.59         | 88.67        | -202.50      | 1,917.21        | 1,013.89               | 959.99                  | 53.90                     | 18.811                 |         |          |  |                |  |                    |  |           |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 #113H - OH - OH

| Survey Program:             |                             | 151-3_MWD+HRGM              |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 10,288.99                   | 10,225.57                   | 10,245.22                   | 10,225.56                   | 18.56               | 35.78            | 86.88                       | -170.96                | 1,915.28        | 1,012.78                     | 958.63                        | 54.15                           | 18.703               |         |
| 10,300.00                   | 10,236.58                   | 10,247.00                   | 10,227.10                   | 18.57               | 35.79            | 86.84                       | -170.09                | 1,915.23        | 1,012.82                     | 958.66                        | 54.16                           | 18.701               |         |
| 10,400.00                   | 10,336.58                   | 10,313.20                   | 10,282.18                   | 18.61               | 35.96            | 84.77                       | -133.49                | 1,913.93        | 1,015.61                     | 961.25                        | 54.36                           | 18.682               |         |
| 10,500.00                   | 10,436.58                   | 10,378.06                   | 10,330.28                   | 18.66               | 36.12            | 82.33                       | -90.04                 | 1,913.01        | 1,023.66                     | 969.16                        | 54.50                           | 18.783               |         |
| 10,600.00                   | 10,536.58                   | 10,449.64                   | 10,378.92                   | 18.71               | 36.30            | 79.40                       | -37.62                 | 1,910.72        | 1,036.26                     | 981.65                        | 54.61                           | 18.977               |         |
| 10,700.00                   | 10,636.58                   | 10,493.97                   | 10,407.24                   | 18.76               | 36.41            | 77.52                       | -3.54                  | 1,909.11        | 1,054.67                     | 1,000.15                      | 54.53                           | 19.343               |         |
| 10,800.00                   | 10,736.14                   | 10,530.00                   | 10,428.69                   | 18.83               | 36.50            | 74.32                       | 25.38                  | 1,908.08        | 1,078.02                     | 1,023.71                      | 54.30                           | 19.852               |         |
| 10,900.00                   | 10,832.81                   | 10,563.34                   | 10,446.77                   | 18.88               | 36.59            | 70.66                       | 53.38                  | 1,907.45        | 1,103.27                     | 1,049.28                      | 53.99                           | 20.436               |         |
| 11,000.00                   | 10,923.66                   | 10,597.56                   | 10,463.23                   | 18.91               | 36.67            | 67.15                       | 83.36                  | 1,907.17        | 1,129.07                     | 1,075.43                      | 53.64                           | 21.047               |         |
| 11,100.00                   | 11,005.93                   | 10,625.00                   | 10,474.93                   | 18.96               | 36.74            | 64.13                       | 108.18                 | 1,907.25        | 1,154.12                     | 1,100.81                      | 53.30                           | 21.652               |         |
| 11,200.00                   | 11,077.11                   | 10,673.00                   | 10,492.25                   | 19.07               | 36.86            | 61.16                       | 152.93                 | 1,907.91        | 1,176.87                     | 1,123.72                      | 53.15                           | 22.143               |         |
| 11,300.00                   | 11,135.05                   | 10,719.00                   | 10,504.11                   | 19.25               | 36.97            | 58.80                       | 197.33                 | 1,908.88        | 1,196.93                     | 1,143.83                      | 53.10                           | 22.540               |         |
| 11,400.00                   | 11,177.98                   | 10,744.97                   | 10,508.44                   | 19.50               | 37.03            | 57.18                       | 222.93                 | 1,909.38        | 1,213.02                     | 1,159.86                      | 53.16                           | 22.817               |         |
| 11,500.00                   | 11,204.59                   | 10,806.29                   | 10,514.15                   | 19.84               | 37.18            | 55.87                       | 283.96                 | 1,910.11        | 1,224.29                     | 1,170.80                      | 53.48                           | 22.892               |         |
| 11,600.00                   | 11,214.09                   | 10,891.91                   | 10,518.81                   | 20.26               | 37.41            | 55.50                       | 369.45                 | 1,910.63        | 1,227.78                     | 1,173.77                      | 54.01                           | 22.734               |         |
| 11,700.00                   | 11,213.30                   | 10,993.66                   | 10,523.05                   | 20.76               | 37.72            | 55.73                       | 471.12                 | 1,910.83        | 1,225.86                     | 1,171.19                      | 54.67                           | 22.424               |         |
| 11,800.00                   | 11,212.44                   | 11,093.57                   | 10,527.11                   | 21.31               | 38.09            | 55.94                       | 570.95                 | 1,910.58        | 1,223.60                     | 1,168.17                      | 55.43                           | 22.074               |         |
| 11,900.00                   | 11,211.57                   | 11,182.49                   | 10,530.10                   | 21.92               | 38.45            | 56.10                       | 659.81                 | 1,910.48        | 1,221.88                     | 1,165.59                      | 56.29                           | 21.708               |         |
| 12,000.00                   | 11,210.70                   | 11,270.52                   | 10,532.35                   | 22.59               | 38.84            | 56.26                       | 747.81                 | 1,911.09        | 1,221.26                     | 1,164.02                      | 57.23                           | 21.338               |         |
| 12,100.00                   | 11,209.84                   | 11,374.77                   | 10,534.37                   | 23.31               | 39.35            | 56.42                       | 852.04                 | 1,912.01        | 1,221.17                     | 1,162.89                      | 58.27                           | 20.956               |         |
| 12,200.00                   | 11,208.97                   | 11,495.41                   | 10,537.48                   | 24.07               | 40.01            | 56.60                       | 972.63                 | 1,911.61        | 1,219.70                     | 1,160.30                      | 59.41                           | 20.531               |         |
| 12,300.00                   | 11,208.10                   | 11,599.81                   | 10,540.51                   | 24.88               | 40.63            | 56.74                       | 1,076.98               | 1,910.13        | 1,217.17                     | 1,156.55                      | 60.62                           | 20.080               |         |
| 12,400.00                   | 11,207.24                   | 11,680.73                   | 10,541.18                   | 25.73               | 41.14            | 56.77                       | 1,157.88               | 1,908.43        | 1,215.23                     | 1,153.36                      | 61.87                           | 19.640               |         |
| 12,500.00                   | 11,206.37                   | 11,771.79                   | 10,539.64                   | 26.63               | 41.74            | 56.71                       | 1,248.90               | 1,906.67        | 1,214.78                     | 1,151.60                      | 63.18                           | 19.227               |         |
| 12,600.00                   | 11,205.50                   | 11,870.57                   | 10,536.91                   | 27.55               | 42.44            | 56.60                       | 1,347.62               | 1,904.29        | 1,214.54                     | 1,150.00                      | 64.54                           | 18.819               |         |
| 12,700.00                   | 11,204.64                   | 11,969.77                   | 10,533.59                   | 28.51               | 43.18            | 56.45                       | 1,446.73               | 1,901.62        | 1,214.39                     | 1,148.44                      | 65.95                           | 18.415               |         |
| 12,800.00                   | 11,203.77                   | 12,068.59                   | 10,529.10                   | 29.51               | 43.95            | 56.25                       | 1,545.39               | 1,898.26        | 1,214.31                     | 1,146.93                      | 67.39                           | 18.020               |         |
| 12,900.00                   | 11,202.90                   | 12,169.05                   | 10,523.35                   | 30.52               | 44.78            | 55.97                       | 1,645.59               | 1,894.09        | 1,214.30                     | 1,145.44                      | 68.86                           | 17.635               |         |
| 13,000.00                   | 11,202.04                   | 12,314.78                   | 10,515.79                   | 31.57               | 46.03            | 55.51                       | 1,790.82               | 1,884.85        | 1,212.12                     | 1,141.79                      | 70.33                           | 17.235               |         |
| 13,100.00                   | 11,201.17                   | 12,418.65                   | 10,513.36                   | 32.64               | 46.96            | 55.28                       | 1,894.41               | 1,877.74        | 1,208.03                     | 1,136.14                      | 71.89                           | 16.804               |         |
| 13,200.00                   | 11,200.30                   | 12,512.71                   | 10,510.09                   | 33.72               | 47.82            | 55.02                       | 1,988.16               | 1,870.76        | 1,204.13                     | 1,130.66                      | 73.47                           | 16.389               |         |
| 13,300.00                   | 11,199.44                   | 12,605.85                   | 10,505.78                   | 34.83               | 48.71            | 54.71                       | 2,080.93               | 1,863.75        | 1,200.85                     | 1,125.79                      | 75.06                           | 15.998               |         |
| 13,400.00                   | 11,198.57                   | 12,705.17                   | 10,501.42                   | 35.95               | 49.67            | 54.41                       | 2,179.92               | 1,856.90        | 1,197.98                     | 1,121.29                      | 76.68                           | 15.622               |         |
| 13,500.00                   | 11,197.70                   | 12,817.85                   | 10,495.98                   | 37.10               | 50.80            | 54.02                       | 2,292.12               | 1,848.09        | 1,194.66                     | 1,116.37                      | 78.29                           | 15.260               |         |
| 13,600.00                   | 11,196.84                   | 12,910.87                   | 10,491.51                   | 38.25               | 51.75            | 53.67                       | 2,384.69               | 1,840.11        | 1,190.76                     | 1,110.83                      | 79.93                           | 14.898               |         |
| 13,700.00                   | 11,195.97                   | 12,998.22                   | 10,486.08                   | 39.42               | 52.66            | 53.30                       | 2,471.57               | 1,832.83        | 1,187.94                     | 1,106.37                      | 81.57                           | 14.563               |         |
| 13,800.00                   | 11,195.10                   | 13,102.97                   | 10,479.29                   | 40.60               | 53.77            | 52.86                       | 2,575.77               | 1,824.62        | 1,185.74                     | 1,102.55                      | 83.19                           | 14.253               |         |
| 13,900.00                   | 11,194.24                   | 13,201.60                   | 10,475.49                   | 41.79               | 54.83            | 52.59                       | 2,674.12               | 1,818.12        | 1,182.99                     | 1,098.09                      | 84.90                           | 13.934               |         |
| 14,000.00                   | 11,193.37                   | 13,280.52                   | 10,472.51                   | 42.99               | 55.68            | 52.39                       | 2,752.86               | 1,813.86        | 1,181.21                     | 1,094.56                      | 86.65                           | 13.632               |         |
| 14,028.51                   | 11,193.12                   | 13,301.82                   | 10,471.57                   | 43.34               | 55.92            | 52.34                       | 2,774.13               | 1,812.98        | 1,181.09                     | 1,093.94                      | 87.15                           | 13.552               |         |
| 14,100.00                   | 11,192.50                   | 13,353.91                   | 10,469.04                   | 44.21               | 56.49            | 52.23                       | 2,826.12               | 1,811.36        | 1,181.57                     | 1,093.17                      | 88.40                           | 13.366               |         |
| 14,200.00                   | 11,191.64                   | 13,432.82                   | 10,464.62                   | 45.43               | 57.36            | 52.08                       | 2,904.90               | 1,810.46        | 1,184.21                     | 1,094.05                      | 90.16                           | 13.134               |         |
| 14,300.00                   | 11,190.77                   | 13,572.19                   | 10,459.94                   | 46.66               | 58.91            | 51.99                       | 3,044.18               | 1,810.73        | 1,186.86                     | 1,094.74                      | 92.12                           | 12.884               |         |
| 14,400.00                   | 11,189.91                   | 13,695.72                   | 10,462.96                   | 47.89               | 60.30            | 52.18                       | 3,167.67               | 1,810.62        | 1,185.35                     | 1,091.14                      | 94.21                           | 12.582               |         |
| 14,500.00                   | 11,189.04                   | 13,789.00                   | 10,465.72                   | 49.14               | 61.36            | 52.34                       | 3,260.90               | 1,810.79        | 1,183.82                     | 1,087.54                      | 96.28                           | 12.296               |         |
| 14,600.00                   | 11,188.17                   | 13,879.90                   | 10,467.94                   | 50.39               | 62.40            | 52.50                       | 3,351.77               | 1,811.33        | 1,182.95                     | 1,084.59                      | 98.36                           | 12.026               |         |
| 14,648.00                   | 11,187.76                   | 13,920.21                   | 10,468.80                   | 50.99               | 62.87            | 52.56                       | 3,392.07               | 1,811.73        | 1,182.79                     | 1,083.43                      | 99.36                           | 11.904               |         |
| 14,700.00                   | 11,187.31                   | 13,963.49                   | 10,469.39                   | 51.64               | 63.37            | 52.63                       | 3,435.34               | 1,812.29        | 1,182.98                     | 1,082.55                      | 100.43                          | 11.779               |         |
| 14,800.00                   | 11,186.44                   | 14,054.49                   | 10,469.72                   | 52.91               | 64.43            | 52.74                       | 3,526.33               | 1,813.71        | 1,184.16                     | 1,081.65                      | 102.50                          | 11.552               |         |
| 14,900.00                   | 11,185.57                   | 14,153.00                   | 10,469.39                   | 54.17               | 65.59            | 52.83                       | 3,624.83               | 1,815.25        | 1,185.77                     | 1,081.17                      | 104.60                          | 11.337               |         |
| 15,000.00                   | 11,184.71                   | 14,262.61                   | 10,469.77                   | 55.44               | 66.88            | 52.96                       | 3,734.42               | 1,817.05        | 1,187.05                     | 1,080.28                      | 106.77                          | 11.118               |         |
| 15,100.00                   | 11,183.84                   | 14,356.00                   | 10,470.42                   | 56.72               | 68.00            | 53.08                       | 3,827.80               | 1,818.43        | 1,188.00                     | 1,079.09                      | 108.91                          | 10.908               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design:** Coonskin Fee Pad - (O) Cosmo K 24S35E3328 #113H - OH - OH

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

| Survey Program: 151-3_MWD+HRGM |                             | Reference                   |                             | Offset              |                  | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft)    | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 15,200.00                      | 11,182.97                   | 14,450.00                   | 10,470.25                   | 58.00               | 69.13            | 53.16               | 3,921.79         | 1,819.74                    | 1,189.40               | 1,078.37        | 111.04                       | 10.712                        |                                 |                      |         |
| 15,300.00                      | 11,182.11                   | 14,545.00                   | 10,469.42                   | 59.29               | 70.28            | 53.23               | 4,016.77         | 1,821.31                    | 1,191.43               | 1,078.26        | 113.17                       | 10.528                        |                                 |                      |         |
| 15,400.00                      | 11,181.24                   | 14,633.36                   | 10,467.91                   | 60.57               | 71.35            | 53.28               | 4,105.10         | 1,823.06                    | 1,194.22               | 1,078.96        | 115.26                       | 10.361                        |                                 |                      |         |
| 15,500.00                      | 11,180.37                   | 14,721.89                   | 10,465.47                   | 61.87               | 72.44            | 53.30               | 4,193.57         | 1,825.19                    | 1,197.98               | 1,080.64        | 117.33                       | 10.210                        |                                 |                      |         |
| 15,600.00                      | 11,179.51                   | 14,808.72                   | 10,461.99                   | 63.16               | 73.51            | 53.28               | 4,280.30         | 1,827.55                    | 1,202.74               | 1,083.37        | 119.37                       | 10.076                        |                                 |                      |         |
| 15,700.00                      | 11,178.64                   | 14,906.49                   | 10,456.91                   | 64.46               | 74.72            | 53.22               | 4,377.89         | 1,830.27                    | 1,208.25               | 1,086.83        | 121.42                       | 9.951                         |                                 |                      |         |
| 15,800.00                      | 11,177.77                   | 15,013.39                   | 10,451.17                   | 65.76               | 76.06            | 53.13               | 4,484.62         | 1,832.73                    | 1,213.49               | 1,089.97        | 123.52                       | 9.824                         |                                 |                      |         |
| 15,900.00                      | 11,176.91                   | 15,124.03                   | 10,445.39                   | 67.06               | 77.45            | 53.02               | 4,595.10         | 1,834.33                    | 1,217.96               | 1,092.34        | 125.62                       | 9.696                         |                                 |                      |         |
| 16,000.00                      | 11,176.04                   | 15,237.35                   | 10,441.26                   | 68.37               | 78.89            | 52.98               | 4,708.32         | 1,836.00                    | 1,221.51               | 1,093.72        | 127.79                       | 9.559                         |                                 |                      |         |
| 16,100.00                      | 11,175.17                   | 15,367.41                   | 10,441.14                   | 69.68               | 80.53            | 53.13               | 4,838.34         | 1,838.68                    | 1,223.44               | 1,093.24        | 130.20                       | 9.397                         |                                 |                      |         |
| 16,200.00                      | 11,174.31                   | 15,469.68                   | 10,445.01                   | 70.99               | 81.83            | 53.41               | 4,940.50         | 1,841.43                    | 1,223.50               | 1,090.84        | 132.67                       | 9.222                         |                                 |                      |         |
| 16,300.00                      | 11,173.44                   | 15,564.32                   | 10,449.55                   | 72.30               | 83.03            | 53.74               | 5,034.95         | 1,845.22                    | 1,224.06               | 1,088.88        | 135.18                       | 9.055                         |                                 |                      |         |
| 16,400.00                      | 11,172.57                   | 15,687.19                   | 10,455.75                   | 73.62               | 84.60            | 54.16               | 5,157.59         | 1,849.53                    | 1,224.16               | 1,086.28        | 137.88                       | 8.878                         |                                 |                      |         |
| 16,500.00                      | 11,171.71                   | 15,803.69                   | 10,461.82                   | 74.93               | 86.11            | 54.49               | 5,273.92         | 1,850.79                    | 1,222.17               | 1,081.70        | 140.47                       | 8.701                         |                                 |                      |         |
| 16,600.00                      | 11,170.84                   | 15,895.25                   | 10,465.24                   | 76.25               | 87.30            | 54.67               | 5,365.41         | 1,850.55                    | 1,220.01               | 1,077.12        | 142.89                       | 8.538                         |                                 |                      |         |
| 16,700.00                      | 11,169.97                   | 15,983.19                   | 10,466.63                   | 77.57               | 88.44            | 54.76               | 5,453.35         | 1,850.19                    | 1,218.95               | 1,073.73        | 145.21                       | 8.394                         |                                 |                      |         |
| 16,800.00                      | 11,169.11                   | 16,090.33                   | 10,468.14                   | 78.90               | 89.84            | 54.86               | 5,560.47         | 1,849.56                    | 1,217.86               | 1,070.28        | 147.58                       | 8.252                         |                                 |                      |         |
| 16,900.00                      | 11,168.24                   | 16,188.90                   | 10,470.17                   | 80.22               | 91.13            | 54.99               | 5,659.01         | 1,849.14                    | 1,216.54               | 1,066.56        | 149.98                       | 8.112                         |                                 |                      |         |
| 17,000.00                      | 11,167.37                   | 16,278.45                   | 10,471.42                   | 81.55               | 92.31            | 55.08               | 5,748.55         | 1,848.81                    | 1,215.67               | 1,063.35        | 152.32                       | 7.981                         |                                 |                      |         |
| 17,022.59                      | 11,167.18                   | 16,297.09                   | 10,471.42                   | 81.85               | 92.56            | 55.09               | 5,767.19         | 1,848.73                    | 1,215.64               | 1,062.80        | 152.83                       | 7.954                         |                                 |                      |         |
| 17,100.00                      | 11,166.51                   | 16,362.64                   | 10,470.59                   | 82.87               | 93.42            | 55.08               | 5,832.74         | 1,848.41                    | 1,216.05               | 1,061.50        | 154.55                       | 7.868                         |                                 |                      |         |
| 17,200.00                      | 11,165.64                   | 16,452.98                   | 10,468.37                   | 84.20               | 94.61            | 55.04               | 5,923.05         | 1,848.15                    | 1,217.44               | 1,060.72        | 156.73                       | 7.768                         |                                 |                      |         |
| 17,300.00                      | 11,164.77                   | 16,545.59                   | 10,465.45                   | 85.53               | 95.84            | 54.98               | 6,015.62         | 1,848.19                    | 1,219.50               | 1,060.61        | 158.89                       | 7.675                         |                                 |                      |         |
| 17,400.00                      | 11,163.91                   | 16,636.59                   | 10,461.53                   | 86.86               | 97.05            | 54.88               | 6,106.53         | 1,848.25                    | 1,222.25               | 1,061.25        | 160.99                       | 7.592                         |                                 |                      |         |
| 17,500.00                      | 11,163.04                   | 16,727.92                   | 10,456.50                   | 88.19               | 98.27            | 54.75               | 6,197.72         | 1,848.35                    | 1,225.72               | 1,062.68        | 163.04                       | 7.518                         |                                 |                      |         |
| 17,600.00                      | 11,162.18                   | 16,802.00                   | 10,452.11                   | 89.53               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,229.87               | 1,064.93        | 164.94                       | 7.456                         | SF                              |                      |         |
| 17,700.00                      | 11,161.31                   | 16,802.00                   | 10,452.11                   | 90.86               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,239.82               | 1,074.00        | 165.81                       | 7.477                         |                                 |                      |         |
| 17,800.00                      | 11,160.44                   | 16,802.00                   | 10,452.11                   | 92.20               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,257.66               | 1,091.89        | 165.77                       | 7.587                         |                                 |                      |         |
| 17,900.00                      | 11,159.58                   | 16,802.00                   | 10,452.11                   | 93.53               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,283.07               | 1,118.19        | 164.88                       | 7.782                         |                                 |                      |         |
| 18,000.00                      | 11,158.71                   | 16,802.00                   | 10,452.11                   | 94.87               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,315.61               | 1,152.33        | 163.28                       | 8.057                         |                                 |                      |         |
| 18,100.00                      | 11,157.84                   | 16,802.00                   | 10,452.11                   | 96.21               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,354.77               | 1,193.68        | 161.09                       | 8.410                         |                                 |                      |         |
| 18,200.00                      | 11,156.98                   | 16,802.00                   | 10,452.11                   | 97.55               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,399.98               | 1,241.53        | 158.45                       | 8.835                         |                                 |                      |         |
| 18,300.00                      | 11,156.11                   | 16,802.00                   | 10,452.11                   | 98.89               | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,450.69               | 1,295.19        | 155.50                       | 9.329                         |                                 |                      |         |
| 18,400.00                      | 11,155.24                   | 16,802.00                   | 10,452.11                   | 100.23              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,506.34               | 1,353.99        | 152.35                       | 9.887                         |                                 |                      |         |
| 18,500.00                      | 11,154.38                   | 16,802.00                   | 10,452.11                   | 101.57              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,566.41               | 1,417.30        | 149.11                       | 10.505                        |                                 |                      |         |
| 18,600.00                      | 11,153.51                   | 16,802.00                   | 10,452.11                   | 102.91              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,630.40               | 1,484.55        | 145.84                       | 11.179                        |                                 |                      |         |
| 18,700.00                      | 11,152.64                   | 16,802.00                   | 10,452.11                   | 104.26              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,697.87               | 1,555.25        | 142.62                       | 11.905                        |                                 |                      |         |
| 18,800.00                      | 11,151.78                   | 16,802.00                   | 10,452.11                   | 105.60              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,768.42               | 1,628.95        | 139.47                       | 12.679                        |                                 |                      |         |
| 18,849.18                      | 11,151.35                   | 16,802.00                   | 10,452.11                   | 106.26              | 99.25            | 54.63               | 6,271.67         | 1,848.59                    | 1,804.14               | 1,666.17        | 137.97                       | 13.077                        |                                 |                      |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 133H - OH - OH

| Survey Program: 34-3_Gyro-NS_OWSG, 11460-3_MWD+HRGM |                       |                       |                       |                  |               |                       | Rule Assigned:         |              |                        |                         | Offset Well Error:        |                   | 0.00 usft |
|-----------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------|
| Reference                                           |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         |                           | Separation Factor | Warning   |
| Measured Depth (usft)                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) |                   |           |
| 0.00                                                | 0.00                  | 0.00                  | 10.50                 | 0.00             | 0.00          | 89.45                 | 19.00                  | 1,968.00     | 1,968.12               |                         |                           |                   |           |
| 100.00                                              | 100.00                | 82.61                 | 93.11                 | 0.84             | 0.18          | 89.45                 | 19.00                  | 1,968.09     | 1,968.20               | 1,967.17                | 1.03                      | 1,914.780         |           |
| 200.00                                              | 200.00                | 171.72                | 182.22                | 1.48             | 0.50          | 89.45                 | 19.01                  | 1,968.66     | 1,968.84               | 1,966.86                | 1.98                      | 996.747           |           |
| 300.00                                              | 300.00                | 268.39                | 278.88                | 1.92             | 0.84          | 89.44                 | 19.24                  | 1,969.71     | 1,969.92               | 1,967.16                | 2.75                      | 715.724           |           |
| 400.00                                              | 400.00                | 374.82                | 385.31                | 2.28             | 1.21          | 89.42                 | 19.86                  | 1,970.69     | 1,970.84               | 1,967.36                | 3.48                      | 565.753           |           |
| 500.00                                              | 500.00                | 474.22                | 484.70                | 2.59             | 1.56          | 89.40                 | 20.54                  | 1,971.36     | 1,971.53               | 1,967.39                | 4.14                      | 475.836           |           |
| 600.00                                              | 600.00                | 577.61                | 588.09                | 2.87             | 1.92          | 89.38                 | 21.34                  | 1,972.14     | 1,972.29               | 1,967.51                | 4.79                      | 412.140           |           |
| 700.00                                              | 700.00                | 679.40                | 689.87                | 3.12             | 2.28          | 89.36                 | 22.14                  | 1,972.67     | 1,972.82               | 1,967.42                | 5.40                      | 365.418           |           |
| 800.00                                              | 800.00                | 760.15                | 770.61                | 3.23             | 2.56          | -14.71                | 23.16                  | 1,973.39     | 1,973.43               | 1,967.64                | 5.79                      | 340.864           |           |
| 900.00                                              | 899.96                | 841.58                | 852.00                | 3.51             | 2.85          | -14.78                | 24.99                  | 1,975.00     | 1,972.90               | 1,966.55                | 6.35                      | 310.748           |           |
| 1,000.00                                            | 999.82                | 929.76                | 940.12                | 3.77             | 3.16          | -14.89                | 27.28                  | 1,977.43     | 1,970.62               | 1,963.70                | 6.92                      | 284.782           |           |
| 1,100.00                                            | 1,099.51              | 1,026.16              | 1,036.43              | 4.03             | 3.50          | -15.04                | 30.06                  | 1,980.45     | 1,966.21               | 1,958.69                | 7.51                      | 261.769           |           |
| 1,200.00                                            | 1,198.96              | 1,134.63              | 1,144.79              | 4.27             | 3.89          | -15.26                | 33.65                  | 1,983.71     | 1,959.18               | 1,951.04                | 8.14                      | 240.700           |           |
| 1,300.00                                            | 1,298.11              | 1,260.62              | 1,270.71              | 4.44             | 4.34          | -15.53                | 37.33                  | 1,986.33     | 1,948.78               | 1,940.03                | 8.75                      | 222.744           |           |
| 1,400.00                                            | 1,397.13              | 1,381.59              | 1,391.64              | 4.63             | 4.76          | -15.74                | 39.98                  | 1,987.05     | 1,935.97               | 1,926.60                | 9.37                      | 206.689           |           |
| 1,500.00                                            | 1,496.16              | 1,472.18              | 1,482.19              | 4.83             | 5.07          | -15.92                | 42.62                  | 1,987.47     | 1,923.11               | 1,913.23                | 9.88                      | 194.662           |           |
| 1,600.00                                            | 1,595.19              | 1,566.98              | 1,576.94              | 5.02             | 5.40          | -16.12                | 45.65                  | 1,988.12     | 1,910.51               | 1,900.10                | 10.41                     | 183.564           |           |
| 1,700.00                                            | 1,694.21              | 1,655.04              | 1,664.95              | 5.21             | 5.71          | -16.31                | 48.51                  | 1,989.14     | 1,898.40               | 1,887.48                | 10.91                     | 173.948           |           |
| 1,800.00                                            | 1,793.24              | 1,747.28              | 1,757.14              | 5.41             | 6.04          | -16.51                | 51.30                  | 1,990.60     | 1,886.73               | 1,875.30                | 11.43                     | 165.013           |           |
| 1,900.00                                            | 1,892.27              | 1,834.86              | 1,844.67              | 5.60             | 6.34          | -16.68                | 53.44                  | 1,992.47     | 1,875.61               | 1,863.67                | 11.94                     | 157.117           |           |
| 2,000.00                                            | 1,991.30              | 1,928.59              | 1,938.34              | 5.80             | 6.67          | -16.85                | 55.50                  | 1,994.89     | 1,864.94               | 1,852.47                | 12.46                     | 149.640           |           |
| 2,100.00                                            | 2,090.32              | 2,017.48              | 2,027.17              | 5.99             | 6.98          | -17.02                | 57.48                  | 1,997.57     | 1,854.72               | 1,841.75                | 12.97                     | 142.983           |           |
| 2,200.00                                            | 2,189.35              | 2,121.16              | 2,130.78              | 6.19             | 7.35          | -17.21                | 59.54                  | 2,000.86     | 1,844.66               | 1,831.13                | 13.53                     | 136.321           |           |
| 2,300.00                                            | 2,288.38              | 2,223.55              | 2,233.11              | 6.38             | 7.70          | -17.39                | 61.06                  | 2,004.06     | 1,834.55               | 1,820.46                | 14.09                     | 130.228           |           |
| 2,400.00                                            | 2,387.40              | 2,343.67              | 2,353.19              | 6.58             | 8.12          | -17.56                | 61.66                  | 2,006.79     | 1,823.51               | 1,808.81                | 14.70                     | 124.031           |           |
| 2,500.00                                            | 2,486.43              | 2,445.73              | 2,455.23              | 6.77             | 8.48          | -17.70                | 61.77                  | 2,008.59     | 1,811.99               | 1,796.74                | 15.26                     | 118.776           |           |
| 2,600.00                                            | 2,585.46              | 2,542.91              | 2,552.40              | 6.97             | 8.82          | -17.82                | 61.68                  | 2,010.29     | 1,800.46               | 1,784.67                | 15.79                     | 114.003           |           |
| 2,700.00                                            | 2,684.48              | 2,650.86              | 2,660.33              | 7.16             | 9.20          | -17.94                | 60.89                  | 2,012.22     | 1,788.94               | 1,772.58                | 16.37                     | 109.309           |           |
| 2,800.00                                            | 2,783.51              | 2,757.80              | 2,767.24              | 7.36             | 9.57          | -18.02                | 58.72                  | 2,013.51     | 1,776.75               | 1,759.82                | 16.93                     | 104.918           |           |
| 2,900.00                                            | 2,882.54              | 2,857.98              | 2,867.39              | 7.56             | 9.92          | -18.08                | 56.32                  | 2,014.55     | 1,764.37               | 1,746.89                | 17.48                     | 100.927           |           |
| 3,000.00                                            | 2,981.57              | 2,954.58              | 2,963.94              | 7.76             | 10.26         | -18.13                | 53.94                  | 2,015.61     | 1,752.05               | 1,734.03                | 18.02                     | 97.242            |           |
| 3,100.00                                            | 3,080.59              | 3,088.44              | 3,097.76              | 7.95             | 10.72         | -18.21                | 50.46                  | 2,016.20     | 1,739.16               | 1,720.50                | 18.67                     | 93.164            |           |
| 3,200.00                                            | 3,179.62              | 3,255.77              | 3,264.89              | 8.15             | 11.31         | -18.25                | 44.00                  | 2,011.43     | 1,722.75               | 1,703.35                | 19.40                     | 88.802            |           |
| 3,300.00                                            | 3,278.65              | 3,377.53              | 3,386.34              | 8.35             | 11.74         | -18.25                | 38.27                  | 2,005.12     | 1,704.12               | 1,684.12                | 20.00                     | 85.218            |           |
| 3,400.00                                            | 3,377.67              | 3,492.72              | 3,501.11              | 8.55             | 12.15         | -18.22                | 31.97                  | 1,997.44     | 1,683.91               | 1,663.34                | 20.58                     | 81.840            |           |
| 3,500.00                                            | 3,476.70              | 3,591.83              | 3,599.83              | 8.75             | 12.51         | -18.21                | 26.76                  | 1,990.46     | 1,663.39               | 1,642.27                | 21.12                     | 78.777            |           |
| 3,600.00                                            | 3,575.73              | 3,678.18              | 3,685.88              | 8.95             | 12.81         | -18.21                | 22.51                  | 1,984.54     | 1,643.08               | 1,621.46                | 21.63                     | 75.980            |           |
| 3,700.00                                            | 3,674.75              | 3,761.94              | 3,769.38              | 9.15             | 13.11         | -18.20                | 18.23                  | 1,979.61     | 1,623.69               | 1,601.56                | 22.13                     | 73.373            |           |
| 3,800.00                                            | 3,773.78              | 3,844.01              | 3,851.24              | 9.36             | 13.40         | -18.19                | 14.18                  | 1,975.43     | 1,605.12               | 1,582.49                | 22.63                     | 70.930            |           |
| 3,900.00                                            | 3,872.81              | 3,924.38              | 3,931.43              | 9.56             | 13.69         | -18.16                | 9.71                   | 1,972.39     | 1,587.76               | 1,564.63                | 23.13                     | 68.658            |           |
| 4,000.00                                            | 3,971.84              | 4,022.90              | 4,029.60              | 9.76             | 14.04         | -18.05                | 2.08                   | 1,969.38     | 1,570.98               | 1,547.31                | 23.67                     | 66.363            |           |
| 4,100.00                                            | 4,070.86              | 4,187.13              | 4,192.88              | 9.96             | 14.63         | -17.73                | -13.82                 | 1,961.87     | 1,552.98               | 1,528.59                | 24.38                     | 63.693            |           |
| 4,200.00                                            | 4,169.89              | 4,305.83              | 4,310.58              | 10.17            | 15.07         | -17.48                | -26.03                 | 1,952.65     | 1,531.47               | 1,506.50                | 24.97                     | 61.323            |           |
| 4,300.00                                            | 4,268.92              | 4,477.59              | 4,480.62              | 10.37            | 15.72         | -17.22                | -40.88                 | 1,933.60     | 1,506.86               | 1,481.22                | 25.63                     | 58.783            |           |
| 4,400.00                                            | 4,367.94              | 4,591.26              | 4,592.86              | 10.57            | 16.15         | -17.16                | -47.79                 | 1,917.07     | 1,478.94               | 1,452.76                | 26.18                     | 56.481            |           |
| 4,500.00                                            | 4,466.97              | 4,676.02              | 4,676.65              | 10.78            | 16.47         | -17.22                | -50.52                 | 1,904.61     | 1,451.07               | 1,424.37                | 26.70                     | 54.343            |           |
| 4,600.00                                            | 4,566.00              | 4,755.50              | 4,755.33              | 10.98            | 16.77         | -17.31                | -52.06                 | 1,893.48     | 1,423.97               | 1,396.75                | 27.21                     | 52.325            |           |
| 4,700.00                                            | 4,665.02              | 4,807.33              | 4,806.78              | 11.18            | 16.96         | -17.37                | -53.05                 | 1,887.33     | 1,399.03               | 1,371.34                | 27.69                     | 50.528            |           |
| 4,800.00                                            | 4,764.05              | 4,862.07              | 4,861.32              | 11.39            | 17.15         | -17.43                | -54.35                 | 1,882.85     | 1,377.41               | 1,349.26                | 28.15                     | 48.930            |           |
| 4,900.00                                            | 4,863.08              | 4,953.03              | 4,952.04              | 11.59            | 17.47         | -17.48                | -57.20                 | 1,876.93     | 1,357.53               | 1,328.85                | 28.68                     | 47.340            |           |
| 5,000.00                                            | 4,962.10              | 5,082.88              | 5,081.33              | 11.80            | 17.94         | -17.46                | -63.71                 | 1,866.77     | 1,336.15               | 1,306.87                | 29.27                     | 45.641            |           |
| 5,100.00                                            | 5,061.13              | 5,182.04              | 5,179.93              | 12.00            | 18.30         | -17.40                | -69.67                 | 1,858.15     | 1,313.98               | 1,284.16                | 29.82                     | 44.064            |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 133H - OH - OH

Survey Program: 34-3\_Gyro-NS\_OWSG, 11460-3\_MWD+HRGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 5,200.00                    | 5,160.16                    | 5,278.34                    | 5,275.59                    | 12.20               | 18.65            | -17.27                      | -77.03                 | 1,849.86        | 1,291.79                     | 1,261.43                      | 30.36                           | 42.545               |         |
| 5,300.00                    | 5,259.19                    | 5,373.96                    | 5,370.45                    | 12.41               | 19.00            | -17.06                      | -85.88                 | 1,841.86        | 1,269.77                     | 1,238.86                      | 30.91                           | 41.081               |         |
| 5,400.00                    | 5,358.21                    | 5,473.22                    | 5,468.91                    | 12.61               | 19.37            | -16.82                      | -95.38                 | 1,833.61        | 1,247.81                     | 1,216.34                      | 31.46                           | 39.661               |         |
| 5,500.00                    | 5,457.24                    | 5,572.53                    | 5,567.40                    | 12.82               | 19.74            | -16.57                      | -104.98                | 1,825.12        | 1,225.63                     | 1,193.61                      | 32.01                           | 38.283               |         |
| 5,600.00                    | 5,556.27                    | 5,670.20                    | 5,664.23                    | 13.02               | 20.10            | -16.30                      | -114.63                | 1,816.73        | 1,203.41                     | 1,170.85                      | 32.57                           | 36.952               |         |
| 5,700.00                    | 5,655.29                    | 5,765.67                    | 5,758.86                    | 13.23               | 20.45            | -16.03                      | -124.27                | 1,808.57        | 1,181.27                     | 1,148.15                      | 33.12                           | 35.670               |         |
| 5,800.00                    | 5,754.32                    | 5,861.05                    | 5,853.40                    | 13.43               | 20.80            | -15.72                      | -134.12                | 1,800.62        | 1,159.35                     | 1,125.68                      | 33.67                           | 34.436               |         |
| 5,900.00                    | 5,853.35                    | 5,958.03                    | 5,949.51                    | 13.64               | 21.16            | -15.40                      | -144.33                | 1,792.65        | 1,137.57                     | 1,103.35                      | 34.22                           | 33.243               |         |
| 6,000.00                    | 5,952.37                    | 6,053.08                    | 6,043.69                    | 13.84               | 21.51            | -15.05                      | -154.48                | 1,784.92        | 1,115.90                     | 1,081.13                      | 34.77                           | 32.092               |         |
| 6,100.00                    | 6,051.40                    | 6,143.94                    | 6,133.78                    | 14.05               | 21.85            | -14.72                      | -164.07                | 1,777.87        | 1,094.66                     | 1,059.34                      | 35.32                           | 30.996               |         |
| 6,200.00                    | 6,150.43                    | 6,239.26                    | 6,228.40                    | 14.25               | 22.20            | -14.41                      | -173.20                | 1,770.97        | 1,073.96                     | 1,038.10                      | 35.87                           | 29.944               |         |
| 6,300.00                    | 6,249.46                    | 6,334.56                    | 6,323.11                    | 14.46               | 22.54            | -14.14                      | -181.28                | 1,764.17        | 1,053.41                     | 1,016.99                      | 36.41                           | 28.930               |         |
| 6,400.00                    | 6,348.48                    | 6,429.87                    | 6,417.85                    | 14.66               | 22.88            | -13.87                      | -189.37                | 1,757.63        | 1,033.15                     | 996.19                        | 36.96                           | 27.955               |         |
| 6,500.00                    | 6,447.51                    | 6,526.70                    | 6,514.11                    | 14.86               | 23.23            | -13.57                      | -197.76                | 1,751.15        | 1,013.08                     | 975.57                        | 37.51                           | 27.010               |         |
| 6,600.00                    | 6,546.54                    | 6,622.36                    | 6,609.19                    | 15.07               | 23.58            | -13.26                      | -206.12                | 1,744.87        | 993.16                       | 955.10                        | 38.05                           | 26.099               |         |
| 6,700.00                    | 6,645.56                    | 6,719.37                    | 6,705.62                    | 15.27               | 23.92            | -12.92                      | -214.73                | 1,738.68        | 973.46                       | 934.85                        | 38.60                           | 25.217               |         |
| 6,800.00                    | 6,744.59                    | 6,812.95                    | 6,798.63                    | 15.48               | 24.26            | -12.56                      | -223.28                | 1,732.90        | 954.00                       | 914.85                        | 39.15                           | 24.369               |         |
| 6,900.00                    | 6,843.62                    | 6,912.25                    | 6,897.35                    | 15.68               | 24.62            | -12.18                      | -232.23                | 1,727.03        | 934.84                       | 895.14                        | 39.70                           | 23.547               |         |
| 7,000.00                    | 6,942.64                    | 7,007.86                    | 6,992.43                    | 15.89               | 24.96            | -11.83                      | -240.42                | 1,721.34        | 915.66                       | 875.41                        | 40.25                           | 22.750               |         |
| 7,100.00                    | 7,041.67                    | 7,103.72                    | 7,087.80                    | 16.09               | 25.30            | -11.46                      | -248.63                | 1,715.92        | 896.80                       | 856.01                        | 40.79                           | 21.984               |         |
| 7,200.00                    | 7,140.70                    | 7,196.50                    | 7,180.11                    | 16.30               | 25.63            | -11.09                      | -256.49                | 1,711.03        | 878.37                       | 837.04                        | 41.33                           | 21.250               |         |
| 7,300.00                    | 7,239.73                    | 7,281.69                    | 7,264.96                    | 16.50               | 25.93            | -10.77                      | -263.25                | 1,707.43        | 860.97                       | 819.12                        | 41.86                           | 20.570               |         |
| 7,400.00                    | 7,338.75                    | 7,380.11                    | 7,363.13                    | 16.71               | 26.27            | -10.52                      | -269.40                | 1,704.42        | 844.64                       | 802.24                        | 42.40                           | 19.921               |         |
| 7,500.00                    | 7,437.83                    | 7,478.00                    | 7,460.87                    | 16.89               | 26.61            | -10.32                      | -274.01                | 1,701.28        | 828.47                       | 785.55                        | 42.92                           | 19.305               |         |
| 7,600.00                    | 7,537.20                    | 7,579.54                    | 7,562.31                    | 17.07               | 26.95            | -10.23                      | -276.71                | 1,698.16        | 814.59                       | 771.13                        | 43.46                           | 18.742               |         |
| 7,700.00                    | 7,636.83                    | 7,676.37                    | 7,659.10                    | 17.24               | 27.29            | -10.23                      | -277.47                | 1,695.23        | 803.19                       | 759.20                        | 43.99                           | 18.257               |         |
| 7,800.00                    | 7,736.65                    | 7,766.21                    | 7,748.91                    | 17.38               | 27.59            | -10.27                      | -277.47                | 1,693.26        | 795.13                       | 750.64                        | 44.49                           | 17.871               |         |
| 7,900.00                    | 7,836.59                    | 7,862.08                    | 7,844.78                    | 17.51               | 27.92            | -10.31                      | -277.19                | 1,692.09        | 790.59                       | 745.60                        | 44.99                           | 17.573               |         |
| 8,000.00                    | 7,936.58                    | 7,955.83                    | 7,938.53                    | 17.56               | 28.24            | 93.72                       | -277.20                | 1,691.47        | 789.13                       | 743.76                        | 45.38                           | 17.391               |         |
| 8,040.13                    | 7,976.71                    | 7,994.01                    | 7,976.71                    | 17.58               | 28.37            | 93.73                       | -277.38                | 1,691.41        | 789.09                       | 743.56                        | 45.52                           | 17.333               |         |
| 8,100.00                    | 8,036.58                    | 8,051.38                    | 8,034.08                    | 17.60               | 28.56            | 93.74                       | -277.54                | 1,691.49        | 789.18                       | 743.44                        | 45.74                           | 17.252               |         |
| 8,200.00                    | 8,136.58                    | 8,147.55                    | 8,130.24                    | 17.64               | 28.89            | 93.74                       | -277.57                | 1,692.03        | 789.75                       | 743.63                        | 46.11                           | 17.126               |         |
| 8,300.00                    | 8,236.58                    | 8,245.64                    | 8,228.33                    | 17.68               | 29.23            | 93.73                       | -277.38                | 1,692.96        | 790.68                       | 744.19                        | 46.49                           | 17.008               |         |
| 8,400.00                    | 8,336.58                    | 8,345.13                    | 8,327.81                    | 17.72               | 29.57            | 93.69                       | -276.99                | 1,694.06        | 791.76                       | 744.89                        | 46.87                           | 16.893               |         |
| 8,500.00                    | 8,436.58                    | 8,444.40                    | 8,427.07                    | 17.77               | 29.90            | 93.64                       | -276.36                | 1,695.26        | 792.91                       | 745.67                        | 47.25                           | 16.782               |         |
| 8,600.00                    | 8,536.58                    | 8,544.36                    | 8,527.02                    | 17.81               | 30.25            | 93.57                       | -275.44                | 1,696.50        | 794.10                       | 746.47                        | 47.63                           | 16.672               |         |
| 8,700.00                    | 8,636.58                    | 8,642.82                    | 8,625.47                    | 17.85               | 30.58            | 93.48                       | -274.25                | 1,697.88        | 795.43                       | 747.42                        | 48.01                           | 16.569               |         |
| 8,800.00                    | 8,736.58                    | 8,743.89                    | 8,726.52                    | 17.89               | 30.93            | 93.38                       | -273.04                | 1,699.30        | 796.76                       | 748.36                        | 48.39                           | 16.464               |         |
| 8,900.00                    | 8,836.58                    | 8,844.17                    | 8,826.79                    | 17.93               | 31.27            | 93.31                       | -272.02                | 1,700.58        | 797.97                       | 749.19                        | 48.78                           | 16.359               |         |
| 9,000.00                    | 8,936.58                    | 8,942.10                    | 8,924.70                    | 17.98               | 31.61            | 93.25                       | -271.34                | 1,701.93        | 799.31                       | 750.15                        | 49.16                           | 16.261               |         |
| 9,100.00                    | 9,036.58                    | 9,041.08                    | 9,023.67                    | 18.02               | 31.95            | 93.20                       | -270.77                | 1,703.58        | 800.93                       | 751.40                        | 49.54                           | 16.169               |         |
| 9,200.00                    | 9,136.58                    | 9,143.85                    | 9,126.43                    | 18.06               | 32.30            | 93.19                       | -270.60                | 1,705.08        | 802.39                       | 752.46                        | 49.93                           | 16.070               |         |
| 9,300.00                    | 9,236.58                    | 9,245.30                    | 9,227.87                    | 18.11               | 32.65            | 93.21                       | -270.93                | 1,706.20        | 803.50                       | 753.18                        | 50.32                           | 15.967               |         |
| 9,400.00                    | 9,336.58                    | 9,350.82                    | 9,333.38                    | 18.15               | 33.01            | 93.26                       | -271.74                | 1,707.10        | 804.40                       | 753.67                        | 50.73                           | 15.857               |         |
| 9,500.00                    | 9,436.58                    | 9,466.74                    | 9,449.28                    | 18.20               | 33.41            | 93.39                       | -273.47                | 1,706.42        | 803.92                       | 752.75                        | 51.17                           | 15.711               |         |
| 9,600.00                    | 9,536.58                    | 9,574.58                    | 9,557.08                    | 18.24               | 33.78            | 93.51                       | -275.02                | 1,704.03        | 801.80                       | 750.21                        | 51.58                           | 15.544               |         |
| 9,700.00                    | 9,636.58                    | 9,679.35                    | 9,661.80                    | 18.29               | 34.14            | 93.64                       | -276.71                | 1,700.93        | 798.94                       | 746.95                        | 51.99                           | 15.368               |         |
| 9,800.00                    | 9,736.58                    | 9,784.59                    | 9,766.94                    | 18.33               | 34.51            | 93.81                       | -278.80                | 1,697.14        | 795.48                       | 743.09                        | 52.39                           | 15.183               |         |
| 9,900.00                    | 9,836.58                    | 9,892.04                    | 9,874.24                    | 18.38               | 34.88            | 94.06                       | -281.91                | 1,692.34        | 791.22                       | 738.41                        | 52.80                           | 14.984               |         |
| 10,000.00                   | 9,936.58                    | 9,997.06                    | 9,979.05                    | 18.43               | 35.25            | 94.34                       | -285.38                | 1,686.62        | 786.02                       | 732.81                        | 53.21                           | 14.772               |         |
| 10,100.00                   | 10,036.58                   | 10,093.22                   | 10,075.03                   | 18.47               | 35.58            | 94.56                       | -287.95                | 1,681.30        | 780.71                       | 727.11                        | 53.60                           | 14.566               |         |
| 10,200.00                   | 10,136.58                   | 10,182.62                   | 10,164.31                   | 18.52               | 35.89            | 94.74                       | -290.05                | 1,677.23        | 776.38                       | 722.41                        | 53.97                           | 14.387               |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 133H - OH - OH**

| <b>Survey Program:</b> 34-3_Gyro-NS_OWSG, 11460-3_MWD+HRGM |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | <b>Rule Assigned:</b>         |                                 | <b>Offset Site Error:</b> | 0.00 usft |
|------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|---------------------------|-----------|
| <b>Reference</b>                                           |                             |                             |                             |                                        |                  |                             |                                           |                 |                                          | <b>Offset Well Error:</b>     |                                 | 0.00 usft                 |           |
| Measured<br>Depth<br>(usft)                                | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning   |
| 10,300.00                                                  | 10,236.58                   | 10,271.28                   | 10,252.92                   | 18.57                                  | 36.20            | 94.85                       | -291.37                                   | 1,674.66        | 773.60                                   | 719.28                        | 54.32                           | 14.240                    |           |
| 10,400.00                                                  | 10,336.58                   | 10,364.54                   | 10,346.17                   | 18.61                                  | 36.52            | 94.85                       | -291.23                                   | 1,673.19        | 772.01                                   | 717.32                        | 54.69                           | 14.115                    |           |
| 10,500.00                                                  | 10,436.58                   | 10,462.82                   | 10,444.44                   | 18.66                                  | 36.86            | 94.80                       | -290.46                                   | 1,672.20        | 770.94                                   | 715.86                        | 55.08                           | 13.997                    |           |
| 10,600.00                                                  | 10,536.58                   | 10,563.24                   | 10,544.86                   | 18.71                                  | 37.20            | 94.75                       | -289.81                                   | 1,671.20        | 769.89                                   | 714.42                        | 55.47                           | 13.879                    |           |
| 10,700.00                                                  | 10,636.58                   | 10,664.81                   | 10,646.42                   | 18.76                                  | 37.55            | 94.75                       | -289.62                                   | 1,670.05        | 768.75                                   | 712.88                        | 55.87                           | 13.759                    |           |
| 10,795.04                                                  | 10,731.23                   | 10,761.92                   | 10,743.52                   | 18.83                                  | 37.88            | 95.88                       | -289.53                                   | 1,668.65        | 768.11                                   | 711.89                        | 56.21                           | 13.664                    |           |
| 10,800.00                                                  | 10,736.14                   | 10,766.97                   | 10,748.56                   | 18.83                                  | 37.90            | 95.91                       | -289.52                                   | 1,668.57        | 768.07                                   | 711.84                        | 56.23                           | 13.659                    | CC, ES    |
| 10,900.00                                                  | 10,832.81                   | 10,866.79                   | 10,848.37                   | 18.88                                  | 38.25            | 97.63                       | -289.20                                   | 1,666.79        | 769.28                                   | 712.72                        | 56.56                           | 13.601                    |           |
| 11,000.00                                                  | 10,923.66                   | 10,960.61                   | 10,942.17                   | 18.91                                  | 38.57            | 100.01                      | -288.68                                   | 1,664.77        | 773.90                                   | 717.02                        | 56.88                           | 13.606                    |           |
| 11,100.00                                                  | 11,005.93                   | 11,043.79                   | 11,025.32                   | 18.96                                  | 38.86            | 102.37                      | -287.90                                   | 1,662.84        | 784.35                                   | 727.14                        | 57.21                           | 13.711                    |           |
| 11,200.00                                                  | 11,077.11                   | 11,114.16                   | 11,095.66                   | 19.07                                  | 39.10            | 103.99                      | -287.06                                   | 1,661.30        | 803.29                                   | 745.69                        | 57.60                           | 13.947                    |           |
| 11,300.00                                                  | 11,135.05                   | 11,170.42                   | 11,151.91                   | 19.25                                  | 39.29            | 104.24                      | -286.43                                   | 1,660.24        | 832.78                                   | 774.71                        | 58.07                           | 14.341                    |           |
| 11,400.00                                                  | 11,177.98                   | 11,212.59                   | 11,194.07                   | 19.50                                  | 39.44            | 102.59                      | -285.98                                   | 1,659.56        | 873.64                                   | 815.02                        | 58.62                           | 14.904                    |           |
| 11,500.00                                                  | 11,204.59                   | 11,239.21                   | 11,220.69                   | 19.84                                  | 39.53            | 98.51                       | -285.69                                   | 1,659.18        | 925.30                                   | 866.10                        | 59.20                           | 15.629                    |           |
| 11,600.00                                                  | 11,214.09                   | 11,249.41                   | 11,230.89                   | 20.26                                  | 39.56            | 91.66                       | -285.57                                   | 1,659.04        | 985.99                                   | 926.22                        | 59.77                           | 16.497                    |           |
| 11,700.00                                                  | 11,213.30                   | 11,249.73                   | 11,231.21                   | 20.76                                  | 39.56            | 90.88                       | -285.57                                   | 1,659.04        | 1,053.14                                 | 992.85                        | 60.28                           | 17.469                    |           |
| 11,800.00                                                  | 11,212.44                   | 11,249.97                   | 11,231.44                   | 21.31                                  | 39.57            | 90.89                       | -285.57                                   | 1,659.03        | 1,125.18                                 | 1,064.42                      | 60.76                           | 18.518                    |           |
| 11,900.00                                                  | 11,211.57                   | 11,250.20                   | 11,231.68                   | 21.92                                  | 39.57            | 90.91                       | -285.57                                   | 1,659.03        | 1,201.23                                 | 1,140.05                      | 61.19                           | 19.632                    |           |
| 12,000.00                                                  | 11,210.70                   | 11,249.72                   | 11,231.73                   | 22.59                                  | 43.14            | 144.59                      | 840.42                                    | 1,632.58        | 1,276.02                                 | 1,219.78                      | 56.24                           | 22.690                    |           |
| 12,100.00                                                  | 11,209.84                   | 11,243.27                   | 11,231.48                   | 23.31                                  | 43.54            | 144.56                      | 912.80                                    | 1,630.28        | 1,270.62                                 | 1,213.93                      | 56.68                           | 22.416                    |           |
| 12,200.00                                                  | 11,208.97                   | 11,237.00                   | 11,230.59                   | 24.07                                  | 43.96            | 144.53                      | 986.46                                    | 1,628.64        | 1,267.33                                 | 1,210.14                      | 57.19                           | 22.160                    |           |
| 12,300.00                                                  | 11,208.10                   | 11,371.00                   | 11,237.31                   | 24.88                                  | 44.54            | 144.49                      | 1,080.39                                  | 1,627.24        | 1,264.86                                 | 1,207.01                      | 57.85                           | 21.865                    |           |
| 12,386.58                                                  | 11,207.35                   | 11,434.82                   | 11,235.81                   | 25.62                                  | 44.95            | 144.47                      | 1,144.19                                  | 1,626.50        | 1,263.77                                 | 1,205.39                      | 58.38                           | 21.647                    |           |
| 12,400.00                                                  | 11,207.24                   | 11,443.49                   | 11,235.76                   | 25.73                                  | 45.01            | 144.47                      | 1,152.86                                  | 1,626.40        | 1,263.80                                 | 1,205.34                      | 58.46                           | 21.620                    |           |
| 12,500.00                                                  | 11,206.37                   | 11,523.06                   | 11,236.49                   | 26.63                                  | 45.54            | 144.51                      | 1,232.41                                  | 1,625.68        | 1,265.18                                 | 1,206.05                      | 59.13                           | 21.397                    |           |
| 12,600.00                                                  | 11,205.50                   | 11,599.97                   | 11,237.88                   | 27.55                                  | 46.07            | 144.54                      | 1,309.32                                  | 1,625.69        | 1,267.91                                 | 1,208.08                      | 59.84                           | 21.190                    |           |
| 12,700.00                                                  | 11,204.64                   | 11,670.91                   | 11,239.80                   | 28.51                                  | 46.58            | 144.51                      | 1,380.20                                  | 1,627.65        | 1,272.91                                 | 1,212.34                      | 60.57                           | 21.015                    |           |
| 12,800.00                                                  | 11,203.77                   | 11,748.00                   | 11,242.09                   | 29.51                                  | 47.15            | 144.40                      | 1,457.12                                  | 1,632.17        | 1,279.93                                 | 1,218.52                      | 61.41                           | 20.844                    |           |
| 12,900.00                                                  | 11,202.90                   | 11,803.72                   | 11,244.50                   | 30.52                                  | 47.57            | 144.29                      | 1,512.58                                  | 1,636.84        | 1,289.53                                 | 1,227.36                      | 62.17                           | 20.743                    |           |
| 13,000.00                                                  | 11,202.04                   | 11,890.22                   | 11,250.39                   | 31.57                                  | 48.24            | 144.12                      | 1,598.44                                  | 1,645.53        | 1,302.03                                 | 1,238.87                      | 63.16                           | 20.615                    |           |
| 13,100.00                                                  | 11,201.17                   | 11,900.78                   | 11,256.44                   | 32.64                                  | 49.12            | 143.88                      | 1,708.29                                  | 1,656.51        | 1,313.48                                 | 1,249.10                      | 64.38                           | 20.403                    |           |
| 13,200.00                                                  | 11,200.30                   | 11,993.61                   | 11,260.71                   | 33.72                                  | 49.88            | 143.61                      | 1,800.43                                  | 1,667.01        | 1,325.10                                 | 1,259.55                      | 65.55                           | 20.216                    |           |
| 13,300.00                                                  | 11,199.44                   | 11,219.11                   | 11,265.29                   | 34.83                                  | 50.95            | 143.19                      | 1,924.94                                  | 1,682.01        | 1,336.48                                 | 1,269.43                      | 67.05                           | 19.931                    |           |
| 13,400.00                                                  | 11,198.57                   | 11,354.92                   | 11,267.25                   | 35.95                                  | 52.16            | 142.77                      | 2,060.03                                  | 1,695.72        | 1,344.88                                 | 1,276.17                      | 68.71                           | 19.574                    |           |
| 13,500.00                                                  | 11,197.70                   | 11,451.40                   | 11,268.89                   | 37.10                                  | 53.04            | 142.56                      | 2,156.22                                  | 1,702.94        | 1,352.00                                 | 1,281.96                      | 70.04                           | 19.304                    |           |
| 13,600.00                                                  | 11,196.84                   | 11,618.00                   | 11,271.28                   | 38.25                                  | 54.63            | 142.29                      | 2,322.46                                  | 1,712.28        | 1,358.22                                 | 1,286.30                      | 71.92                           | 18.886                    |           |
| 13,700.00                                                  | 11,195.97                   | 11,712.00                   | 11,268.90                   | 39.42                                  | 55.54            | 142.03                      | 2,416.24                                  | 1,718.17        | 1,361.28                                 | 1,287.92                      | 73.36                           | 18.556                    |           |
| 13,800.00                                                  | 11,195.10                   | 11,757.68                   | 11,269.47                   | 40.60                                  | 56.00            | 141.96                      | 2,461.85                                  | 1,720.49        | 1,366.49                                 | 1,292.11                      | 74.38                           | 18.372                    |           |
| 13,900.00                                                  | 11,194.24                   | 11,807.00                   | 11,272.80                   | 41.79                                  | 56.49            | 141.98                      | 2,511.01                                  | 1,722.47        | 1,375.45                                 | 1,300.10                      | 75.35                           | 18.255                    |           |
| 14,000.00                                                  | 11,193.37                   | 11,868.09                   | 11,279.89                   | 42.99                                  | 57.10            | 142.10                      | 2,571.66                                  | 1,724.28        | 1,387.62                                 | 1,311.29                      | 76.34                           | 18.178                    |           |
| 14,100.00                                                  | 11,192.50                   | 11,916.56                   | 11,301.63                   | 44.21                                  | 58.62            | 142.66                      | 2,718.49                                  | 1,723.70        | 1,400.65                                 | 1,322.87                      | 77.78                           | 18.007                    |           |
| 14,200.00                                                  | 11,191.64                   | 11,962.46                   | 11,330.88                   | 45.43                                  | 63.42            | 145.25                      | 3,157.63                                  | 1,666.13        | 1,402.82                                 | 1,323.21                      | 79.61                           | 17.621                    |           |
| 14,300.00                                                  | 11,190.77                   | 11,512.21                   | 11,327.28                   | 46.66                                  | 63.98            | 145.39                      | 3,206.78                                  | 1,659.32        | 1,390.33                                 | 1,309.64                      | 80.69                           | 17.231                    |           |
| 14,400.00                                                  | 11,189.91                   | 11,561.00                   | 11,324.46                   | 47.89                                  | 64.53            | 145.47                      | 3,255.28                                  | 1,654.89        | 1,381.55                                 | 1,299.78                      | 81.77                           | 16.895                    |           |
| 14,500.00                                                  | 11,189.04                   | 11,655.00                   | 11,317.41                   | 49.14                                  | 65.60            | 145.46                      | 3,348.89                                  | 1,650.30        | 1,373.87                                 | 1,290.68                      | 83.19                           | 16.515                    |           |
| 14,600.00                                                  | 11,188.17                   | 11,722.45                   | 11,311.50                   | 50.39                                  | 66.37            | 145.33                      | 3,416.07                                  | 1,649.80        | 1,367.78                                 | 1,283.23                      | 84.55                           | 16.178                    |           |
| 14,700.00                                                  | 11,187.31                   | 11,791.72                   | 11,306.86                   | 51.64                                  | 67.16            | 145.14                      | 3,485.15                                  | 1,651.87        | 1,365.03                                 | 1,279.06                      | 85.97                           | 15.878                    |           |
| 14,800.00                                                  | 11,186.44                   | 11,866.00                   | 11,301.51                   | 52.91                                  | 68.25            | 144.89                      | 3,579.23                                  | 1,654.92        | 1,363.44                                 | 1,275.80                      | 87.64                           | 15.558                    |           |
| 14,900.00                                                  | 11,185.57                   | 11,901.76                   | 11,297.15                   | 54.17                                  | 69.60            | 144.78                      | 3,694.90                                  | 1,654.89        | 1,361.57                                 | 1,272.20                      | 89.37                           | 15.235                    |           |
| 15,000.00                                                  | 11,184.71                   | 11,911.93                   | 11,294.43                   | 55.44                                  | 70.90            | 144.86                      | 3,804.92                                  | 1,650.35        | 1,358.37                                 | 1,267.47                      | 90.91                           | 14.942                    |           |
| 15,100.00                                                  | 11,183.84                   | 11,925.47                   | 11,286.70                   | 56.72                                  | 72.59            | 144.90                      | 3,944.98                                  | 1,643.36        | 1,351.71                                 | 1,259.04                      | 92.67                           | 14.586                    |           |
| 15,200.00                                                  | 11,182.97                   | 11,935.00                   | 11,284.56                   | 58.00                                  | 73.34            | 144.94                      | 4,007.40                                  | 1,640.63        | 1,347.26                                 | 1,253.30                      | 93.97                           | 14.338                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design:** Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 133H - OH - OH

| Survey Program: 34-3_Gyro-NS_OWSG, 11460-3_MWD+HRGM |                       |                       |                       |                  |               |                       | Rule Assigned:         |              |                        |                         | Offset Well Error:        |                   | 0.00 usft |
|-----------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------|
| Reference                                           |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor | Warning   |
| Measured Depth (usft)                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |           |
| 15,300.00                                           | 11,182.11             | 16,491.06             | 12,272.12             | 59.29            | 75.48         | 144.86                | 4,182.78               | 1,633.66     | 1,340.10               | 1,244.06                | 96.04                     | 13.953            |           |
| 15,400.00                                           | 11,181.24             | 16,537.65             | 12,267.67             | 60.57            | 76.04         | 144.78                | 4,229.14               | 1,632.63     | 1,332.53               | 1,235.09                | 97.43                     | 13.676            |           |
| 15,500.00                                           | 11,180.37             | 16,597.00             | 12,265.72             | 61.87            | 76.77         | 144.74                | 4,288.44               | 1,632.28     | 1,329.90               | 1,231.10                | 98.81                     | 13.460            |           |
| 15,530.28                                           | 11,180.11             | 16,597.00             | 12,265.72             | 62.26            | 76.77         | 144.74                | 4,288.44               | 1,632.28     | 1,329.56               | 1,230.50                | 99.06                     | 13.422            |           |
| 15,600.00                                           | 11,179.51             | 16,597.00             | 12,265.72             | 63.16            | 76.77         | 144.74                | 4,288.44               | 1,632.28     | 1,331.38               | 1,231.86                | 99.52                     | 13.378            |           |
| 15,700.00                                           | 11,178.64             | 16,663.67             | 12,267.69             | 64.46            | 77.58         | 144.74                | 4,355.06               | 1,633.54     | 1,336.68               | 1,235.91                | 100.76                    | 13.265            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 15,800.00                                           | 11,177.77             | 16,722.62             | 12,272.13             | 65.76            | 78.30         | 144.76                | 4,413.79               | 1,635.98     | 1,346.22               | 1,244.37                | 101.85                    | 13.217            |           |
| 15,900.00                                           | 11,176.91             | 17,139.33             | 12,268.74             | 67.06            | 83.51         | 145.66                | 4,827.24               | 1,607.11     | 1,334.96               | 1,230.00                | 104.96                    | 12.719            |           |
| 16,000.00                                           | 11,176.04             | 17,201.72             | 12,262.27             | 68.37            | 84.30         | 145.63                | 4,889.16               | 1,603.13     | 1,323.87               | 1,217.37                | 106.49                    | 12.431            |           |
| 16,100.00                                           | 11,175.17             | 17,265.00             | 12,256.39             | 69.68            | 85.11         | 145.59                | 4,952.10               | 1,600.12     | 1,314.93               | 1,206.92                | 108.02                    | 12.173            |           |
| 16,200.00                                           | 11,174.31             | 17,325.95             | 12,252.14             | 70.99            | 85.88         | 145.55                | 5,012.87               | 1,598.23     | 1,308.87               | 1,199.38                | 109.49                    | 11.954            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 16,300.00                                           | 11,173.44             | 17,395.48             | 12,249.77             | 72.30            | 86.77         | 145.52                | 5,082.34               | 1,597.18     | 1,306.23               | 1,195.27                | 110.96                    | 11.772            |           |
| 16,400.00                                           | 11,172.57             | 17,480.50             | 12,247.80             | 73.62            | 87.86         | 145.52                | 5,167.32               | 1,595.75     | 1,304.63               | 1,192.12                | 112.51                    | 11.596            |           |
| 16,428.52                                           | 11,172.33             | 17,499.45             | 12,247.71             | 73.99            | 88.10         | 145.53                | 5,186.27               | 1,595.36     | 1,304.52               | 1,191.63                | 112.89                    | 11.556            |           |
| 16,500.00                                           | 11,171.71             | 17,548.00             | 12,248.35             | 74.93            | 88.72         | 145.58                | 5,234.80               | 1,594.19     | 1,305.18               | 1,191.39                | 113.79                    | 11.470            |           |
| 16,600.00                                           | 11,170.84             | 17,655.88             | 12,249.60             | 76.25            | 90.11         | 145.66                | 5,342.66               | 1,592.45     | 1,306.42               | 1,190.98                | 115.43                    | 11.317            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 16,700.00                                           | 11,169.97             | 17,736.00             | 12,250.57             | 77.57            | 91.14         | 145.67                | 5,422.77               | 1,592.79     | 1,308.75               | 1,191.85                | 116.91                    | 11.195            |           |
| 16,800.00                                           | 11,169.11             | 17,811.61             | 12,253.20             | 78.90            | 92.12         | 145.72                | 5,498.32               | 1,592.84     | 1,312.75               | 1,194.51                | 118.24                    | 11.103            |           |
| 16,900.00                                           | 11,168.24             | 17,957.40             | 12,254.50             | 80.22            | 94.00         | 145.71                | 5,644.02               | 1,593.64     | 1,314.76               | 1,194.31                | 120.45                    | 10.916            |           |
| 17,000.00                                           | 11,167.37             | 18,019.00             | 12,253.72             | 81.55            | 94.80         | 145.61                | 5,705.58               | 1,595.72     | 1,316.99               | 1,195.12                | 121.88                    | 10.806            |           |
| 17,100.00                                           | 11,166.51             | 18,114.00             | 12,254.97             | 82.87            | 96.02         | 145.51                | 5,800.51               | 1,599.03     | 1,321.25               | 1,197.57                | 123.67                    | 10.683            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 17,200.00                                           | 11,165.64             | 18,221.30             | 12,257.30             | 84.20            | 97.42         | 145.45                | 5,907.74               | 1,602.16     | 1,325.94               | 1,200.37                | 125.57                    | 10.559            |           |
| 17,300.00                                           | 11,164.77             | 18,332.03             | 12,258.72             | 85.53            | 98.86         | 145.44                | 6,018.45               | 1,603.16     | 1,328.65               | 1,201.21                | 127.44                    | 10.426            |           |
| 17,400.00                                           | 11,163.91             | 18,398.00             | 12,262.49             | 86.86            | 99.73         | 145.60                | 6,084.26               | 1,601.07     | 1,332.81               | 1,204.32                | 128.49                    | 10.373            |           |
| 17,500.00                                           | 11,163.04             | 18,492.49             | 12,271.13             | 88.19            | 100.98        | 145.98                | 6,178.20               | 1,595.73     | 1,338.44               | 1,208.94                | 129.50                    | 10.335            |           |
| 17,600.00                                           | 11,162.18             | 18,582.00             | 12,280.03             | 89.53            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,344.48               | 1,214.08                | 130.40                    | 10.311            | SF        |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 17,700.00                                           | 11,161.31             | 18,582.00             | 12,280.03             | 90.86            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,354.92               | 1,224.50                | 130.43                    | 10.388            |           |
| 17,800.00                                           | 11,160.44             | 18,582.00             | 12,280.03             | 92.20            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,372.59               | 1,242.64                | 129.95                    | 10.562            |           |
| 17,900.00                                           | 11,159.58             | 18,582.00             | 12,280.03             | 93.53            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,397.21               | 1,268.19                | 129.02                    | 10.829            |           |
| 18,000.00                                           | 11,158.71             | 18,582.00             | 12,280.03             | 94.87            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,428.43               | 1,300.72                | 127.71                    | 11.185            |           |
| 18,100.00                                           | 11,157.84             | 18,582.00             | 12,280.03             | 96.21            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,465.81               | 1,339.72                | 126.08                    | 11.626            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 18,200.00                                           | 11,156.98             | 18,582.00             | 12,280.03             | 97.55            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,508.90               | 1,384.68                | 124.23                    | 12.146            |           |
| 18,300.00                                           | 11,156.11             | 18,582.00             | 12,280.03             | 98.89            | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,557.24               | 1,435.03                | 122.21                    | 12.743            |           |
| 18,400.00                                           | 11,155.24             | 18,582.00             | 12,280.03             | 100.23           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,610.33               | 1,490.24                | 120.09                    | 13.409            |           |
| 18,500.00                                           | 11,154.38             | 18,582.00             | 12,280.03             | 101.57           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,667.74               | 1,549.80                | 117.94                    | 14.141            |           |
| 18,600.00                                           | 11,153.51             | 18,582.00             | 12,280.03             | 102.91           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,729.04               | 1,613.24                | 115.79                    | 14.932            |           |
|                                                     |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   |           |
| 18,700.00                                           | 11,152.64             | 18,582.00             | 12,280.03             | 104.26           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,793.81               | 1,680.13                | 113.68                    | 15.779            |           |
| 18,800.00                                           | 11,151.78             | 18,582.00             | 12,280.03             | 105.60           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,861.71               | 1,750.07                | 111.63                    | 16.677            |           |
| 18,849.18                                           | 11,151.35             | 18,582.00             | 12,280.03             | 106.26           | 102.16        | 146.39                | 6,267.09               | 1,590.13     | 1,896.14               | 1,785.48                | 110.66                    | 17.135            |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 213H - OH - OH

| Survey Program: 102-3_Gyro-NS_OWSG, 11744-3_MWD+HRGM |                             |                             |                             |                     |                  |                             | Rule Assigned:         |          |                              |                               | Offset Well Error:              |                      | 0.00 usft |
|------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|----------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                                            |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |          | Distance                     |                               |                                 | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft)                          | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             |                        |          | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) |                      |           |
| 0.00                                                 | 0.00                        | 0.00                        | 11.50                       | 0.00                | 0.00             | 89.46                       | 18.00                  | 1,918.00 | 1,918.12                     |                               |                                 |                      |           |
| 100.00                                               | 100.00                      | 98.46                       | 109.95                      | 0.84                | 0.14             | 89.44                       | 18.91                  | 1,917.74 | 1,917.85                     | 1,916.87                      | 0.98                            | 1,954.012            |           |
| 200.00                                               | 200.00                      | 203.41                      | 214.88                      | 1.48                | 0.50             | 89.38                       | 20.65                  | 1,917.04 | 1,917.21                     | 1,915.23                      | 1.98                            | 967.500              |           |
| 300.00                                               | 300.00                      | 311.93                      | 323.39                      | 1.92                | 0.89             | 89.33                       | 22.43                  | 1,915.90 | 1,916.17                     | 1,913.37                      | 2.80                            | 684.358              |           |
| 400.00                                               | 400.00                      | 408.85                      | 420.29                      | 2.28                | 1.23             | 89.28                       | 24.21                  | 1,914.70 | 1,914.96                     | 1,911.46                      | 3.50                            | 547.393              |           |
| 500.00                                               | 500.00                      | 498.06                      | 509.48                      | 2.59                | 1.54             | 89.23                       | 25.88                  | 1,914.04 | 1,914.24                     | 1,910.12                      | 4.12                            | 464.337              |           |
| 600.00                                               | 600.00                      | 597.43                      | 608.82                      | 2.87                | 1.89             | 89.16                       | 27.95                  | 1,913.49 | 1,913.72                     | 1,908.96                      | 4.75                            | 402.778              |           |
| 700.00                                               | 700.00                      | 690.56                      | 701.92                      | 3.12                | 2.21             | 89.09                       | 30.38                  | 1,913.20 | 1,913.45                     | 1,908.11                      | 5.34                            | 358.543              |           |
| 800.00                                               | 800.00                      | 784.68                      | 795.99                      | 3.23                | 2.55             | -15.04                      | 33.34                  | 1,913.19 | 1,913.17                     | 1,907.39                      | 5.78                            | 331.170              |           |
| 900.00                                               | 899.96                      | 875.01                      | 886.27                      | 3.51                | 2.86             | -15.15                      | 36.22                  | 1,913.53 | 1,911.08                     | 1,904.71                      | 6.37                            | 300.077              |           |
| 1,000.00                                             | 999.82                      | 963.05                      | 974.26                      | 3.77                | 3.18             | -15.30                      | 39.33                  | 1,914.41 | 1,907.09                     | 1,900.15                      | 6.94                            | 274.846              |           |
| 1,100.00                                             | 1,099.51                    | 1,067.49                    | 1,078.61                    | 4.03                | 3.54             | -15.50                      | 43.24                  | 1,915.72 | 1,900.87                     | 1,893.32                      | 7.56                            | 251.525              |           |
| 1,200.00                                             | 1,198.96                    | 1,211.08                    | 1,222.18                    | 4.27                | 4.04             | -15.73                      | 45.28                  | 1,915.69 | 1,890.85                     | 1,882.55                      | 8.30                            | 227.826              |           |
| 1,300.00                                             | 1,298.11                    | 1,335.32                    | 1,346.38                    | 4.44                | 4.48             | -15.85                      | 43.29                  | 1,913.27 | 1,876.32                     | 1,867.43                      | 8.90                            | 210.917              |           |
| 1,400.00                                             | 1,397.13                    | 1,446.13                    | 1,457.09                    | 4.63                | 4.87             | -15.89                      | 39.98                  | 1,910.05 | 1,859.96                     | 1,850.48                      | 9.48                            | 196.270              |           |
| 1,500.00                                             | 1,496.16                    | 1,541.38                    | 1,552.23                    | 4.83                | 5.21             | -15.89                      | 36.50                  | 1,907.08 | 1,843.38                     | 1,833.37                      | 10.01                           | 184.236              |           |
| 1,600.00                                             | 1,595.19                    | 1,633.07                    | 1,643.83                    | 5.02                | 5.53             | -15.90                      | 33.21                  | 1,904.58 | 1,827.18                     | 1,816.66                      | 10.52                           | 173.636              |           |
| 1,700.00                                             | 1,694.21                    | 1,727.49                    | 1,738.17                    | 5.21                | 5.87             | -15.92                      | 30.04                  | 1,902.29 | 1,811.29                     | 1,800.24                      | 11.05                           | 163.926              |           |
| 1,800.00                                             | 1,793.24                    | 1,821.49                    | 1,832.11                    | 5.41                | 6.20             | -15.95                      | 27.28                  | 1,900.19 | 1,795.60                     | 1,784.03                      | 11.57                           | 155.142              |           |
| 1,900.00                                             | 1,892.27                    | 1,919.97                    | 1,930.53                    | 5.60                | 6.54             | -15.98                      | 24.58                  | 1,898.22 | 1,780.15                     | 1,768.04                      | 12.11                           | 146.958              |           |
| 2,000.00                                             | 1,991.30                    | 2,049.26                    | 2,059.68                    | 5.80                | 6.99             | -16.00                      | 19.88                  | 1,894.75 | 1,764.05                     | 1,751.30                      | 12.75                           | 138.309              |           |
| 2,100.00                                             | 2,090.32                    | 2,176.76                    | 2,186.80                    | 5.99                | 7.46             | -15.90                      | 12.11                  | 1,888.86 | 1,745.89                     | 1,732.49                      | 13.39                           | 130.345              |           |
| 2,200.00                                             | 2,189.35                    | 2,279.54                    | 2,289.14                    | 6.19                | 7.84             | -15.79                      | 4.51                   | 1,883.14 | 1,726.78                     | 1,712.82                      | 13.96                           | 123.713              |           |
| 2,300.00                                             | 2,288.38                    | 2,371.99                    | 2,381.25                    | 6.38                | 8.17             | -15.70                      | -1.66                  | 1,878.13 | 1,707.85                     | 1,693.36                      | 14.49                           | 117.885              |           |
| 2,400.00                                             | 2,387.40                    | 2,462.99                    | 2,471.95                    | 6.58                | 8.50             | -15.63                      | -7.28                  | 1,873.47 | 1,689.23                     | 1,674.21                      | 15.01                           | 112.536              |           |
| 2,500.00                                             | 2,486.43                    | 2,551.96                    | 2,560.68                    | 6.77                | 8.82             | -15.57                      | -12.41                 | 1,869.44 | 1,671.20                     | 1,655.67                      | 15.53                           | 107.637              |           |
| 2,600.00                                             | 2,585.46                    | 2,646.17                    | 2,654.68                    | 6.97                | 9.15             | -15.53                      | -17.19                 | 1,865.46 | 1,653.48                     | 1,637.43                      | 16.06                           | 102.980              |           |
| 2,700.00                                             | 2,684.48                    | 2,744.28                    | 2,752.63                    | 7.16                | 9.50             | -15.51                      | -21.53                 | 1,861.62 | 1,636.10                     | 1,619.50                      | 16.60                           | 98.575               |           |
| 2,800.00                                             | 2,783.51                    | 2,863.14                    | 2,871.14                    | 7.36                | 9.92             | -15.42                      | -28.54                 | 1,856.07 | 1,617.93                     | 1,600.73                      | 17.20                           | 94.049               |           |
| 2,900.00                                             | 2,882.54                    | 2,964.91                    | 2,972.55                    | 7.56                | 10.29            | -15.32                      | -35.11                 | 1,850.42 | 1,598.89                     | 1,581.13                      | 17.76                           | 90.035               |           |
| 3,000.00                                             | 2,981.57                    | 3,059.41                    | 3,066.76                    | 7.76                | 10.63            | -15.25                      | -40.44                 | 1,845.32 | 1,580.02                     | 1,561.72                      | 18.29                           | 86.379               |           |
| 3,100.00                                             | 3,080.59                    | 3,169.13                    | 3,176.15                    | 7.95                | 11.02            | -15.19                      | -46.29                 | 1,839.26 | 1,561.05                     | 1,542.18                      | 18.87                           | 82.740               |           |
| 3,200.00                                             | 3,179.62                    | 3,288.67                    | 3,295.22                    | 8.15                | 11.45            | -15.10                      | -53.23                 | 1,831.24 | 1,540.90                     | 1,521.43                      | 19.47                           | 79.150               |           |
| 3,300.00                                             | 3,278.65                    | 3,378.37                    | 3,384.55                    | 8.35                | 11.77            | -15.03                      | -58.39                 | 1,824.90 | 1,520.38                     | 1,500.39                      | 19.99                           | 76.058               |           |
| 3,400.00                                             | 3,377.67                    | 3,470.93                    | 3,476.76                    | 8.55                | 12.10            | -14.96                      | -63.41                 | 1,818.69 | 1,500.23                     | 1,479.71                      | 20.52                           | 73.117               |           |
| 3,500.00                                             | 3,476.70                    | 3,563.80                    | 3,569.31                    | 8.75                | 12.43            | -14.91                      | -68.17                 | 1,812.63 | 1,480.29                     | 1,459.24                      | 21.05                           | 70.332               |           |
| 3,600.00                                             | 3,575.73                    | 3,649.86                    | 3,655.10                    | 8.95                | 12.74            | -14.85                      | -72.73                 | 1,807.52 | 1,460.92                     | 1,439.37                      | 21.56                           | 67.766               |           |
| 3,700.00                                             | 3,674.75                    | 3,731.57                    | 3,736.57                    | 9.15                | 13.03            | -14.78                      | -77.55                 | 1,803.60 | 1,442.66                     | 1,420.60                      | 22.06                           | 65.405               |           |
| 3,800.00                                             | 3,773.78                    | 3,818.27                    | 3,823.02                    | 9.36                | 13.34            | -14.67                      | -83.39                 | 1,800.34 | 1,425.40                     | 1,402.83                      | 22.57                           | 63.154               |           |
| 3,900.00                                             | 3,872.81                    | 3,913.40                    | 3,917.82                    | 9.56                | 13.67            | -14.51                      | -90.66                 | 1,797.31 | 1,408.71                     | 1,385.61                      | 23.11                           | 60.961               |           |
| 4,000.00                                             | 3,971.84                    | 3,998.88                    | 4,003.03                    | 9.76                | 13.97            | -14.37                      | -97.03                 | 1,794.89 | 1,392.41                     | 1,368.79                      | 23.62                           | 58.959               |           |
| 4,100.00                                             | 4,070.86                    | 4,101.68                    | 4,105.59                    | 9.96                | 14.33            | -14.24                      | -103.53                | 1,792.82 | 1,376.93                     | 1,352.75                      | 24.17                           | 56.960               |           |
| 4,200.00                                             | 4,169.89                    | 4,223.29                    | 4,227.01                    | 10.17               | 14.76            | -14.18                      | -109.14                | 1,788.74 | 1,360.11                     | 1,335.33                      | 24.78                           | 54.889               |           |
| 4,300.00                                             | 4,268.92                    | 4,357.55                    | 4,360.95                    | 10.37               | 15.23            | -14.16                      | -114.21                | 1,781.17 | 1,341.01                     | 1,315.60                      | 25.41                           | 52.780               |           |
| 4,400.00                                             | 4,367.94                    | 4,478.67                    | 4,481.65                    | 10.57               | 15.66            | -14.19                      | -117.68                | 1,771.79 | 1,319.87                     | 1,293.88                      | 25.99                           | 50.774               |           |
| 4,500.00                                             | 4,466.97                    | 4,578.01                    | 4,580.60                    | 10.78               | 16.01            | -14.31                      | -118.44                | 1,762.97 | 1,297.62                     | 1,271.09                      | 26.54                           | 48.902               |           |
| 4,600.00                                             | 4,566.00                    | 4,665.02                    | 4,667.30                    | 10.98               | 16.31            | -14.43                      | -118.62                | 1,755.65 | 1,275.85                     | 1,248.80                      | 27.05                           | 47.161               |           |
| 4,700.00                                             | 4,665.02                    | 4,744.38                    | 4,746.43                    | 11.18               | 16.59            | -14.49                      | -120.13                | 1,749.85 | 1,255.16                     | 1,227.61                      | 27.55                           | 45.552               |           |
| 4,800.00                                             | 4,764.05                    | 4,821.59                    | 4,823.46                    | 11.39               | 16.86            | -14.49                      | -123.01                | 1,745.52 | 1,236.13                     | 1,208.08                      | 28.05                           | 44.071               |           |
| 4,900.00                                             | 4,863.08                    | 4,907.31                    | 4,909.01                    | 11.59               | 17.16            | -14.43                      | -127.27                | 1,742.08 | 1,218.62                     | 1,190.06                      | 28.56                           | 42.668               |           |
| 5,000.00                                             | 4,962.10                    | 5,014.28                    | 5,015.77                    | 11.80               | 17.54            | -14.38                      | -132.01                | 1,737.52 | 1,200.88                     | 1,171.76                      | 29.12                           | 41.233               |           |
| 5,100.00                                             | 5,061.13                    | 5,109.70                    | 5,111.03                    | 12.00               | 17.87            | -14.36                      | -135.66                | 1,733.39 | 1,183.11                     | 1,153.45                      | 29.66                           | 39.890               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 213H - OH - OH**

| Survey Program: 102-3_Gyro-NS_OWSG, 11744-3_MWD+HRGM |                       |                       |                       |                  |               |                       | Rule Assigned:         |              |                        |                         | Offset Well Error:        |                   | 0.00 usft |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------|
| Reference                                            |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor | Warning   |
| Measured Depth (usft)                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |           |
| 5,200.00                                             | 5,160.16              | 5,210.16              | 5,211.33              | 12.20            | 18.22         | -14.34                | -139.48                | 1,729.19     | 1,165.48               | 1,135.27                | 30.21                     | 38.584            |           |
| 5,300.00                                             | 5,259.19              | 5,311.39              | 5,312.34              | 12.41            | 18.58         | -14.28                | -144.28                | 1,724.51     | 1,147.40               | 1,116.65                | 30.76                     | 37.306            |           |
| 5,400.00                                             | 5,358.21              | 5,412.29              | 5,412.99              | 12.61            | 18.93         | -14.17                | -149.76                | 1,719.84     | 1,129.33               | 1,098.03                | 31.31                     | 36.074            |           |
| 5,500.00                                             | 5,457.24              | 5,514.15              | 5,514.56              | 12.82            | 19.29         | -14.06                | -155.28                | 1,714.67     | 1,110.82               | 1,078.96                | 31.86                     | 34.868            |           |
| 5,600.00                                             | 5,556.27              | 5,614.72              | 5,614.82              | 13.02            | 19.65         | -13.93                | -161.08                | 1,709.38     | 1,092.13               | 1,059.72                | 32.41                     | 33.700            |           |
| 5,700.00                                             | 5,655.29              | 5,707.27              | 5,707.08              | 13.23            | 19.97         | -13.80                | -166.65                | 1,704.53     | 1,073.48               | 1,040.54                | 32.94                     | 32.588            |           |
| 5,800.00                                             | 5,754.32              | 5,801.35              | 5,800.85              | 13.43            | 20.31         | -13.63                | -172.84                | 1,700.21     | 1,055.45               | 1,021.98                | 33.48                     | 31.528            |           |
| 5,900.00                                             | 5,853.35              | 5,907.20              | 5,906.36              | 13.64            | 20.68         | -13.43                | -179.76                | 1,695.23     | 1,037.35               | 1,003.31                | 34.04                     | 30.476            |           |
| 6,000.00                                             | 5,952.37              | 6,014.49              | 6,013.26              | 13.84            | 21.06         | -13.24                | -186.57                | 1,689.16     | 1,018.31               | 983.71                  | 34.60                     | 29.430            |           |
| 6,100.00                                             | 6,051.40              | 6,111.67              | 6,110.09              | 14.05            | 21.41         | -13.07                | -192.33                | 1,683.28     | 998.88                 | 963.74                  | 35.14                     | 28.423            |           |
| 6,200.00                                             | 6,150.43              | 6,214.01              | 6,212.08              | 14.25            | 21.77         | -12.92                | -198.00                | 1,676.92     | 979.30                 | 943.60                  | 35.70                     | 27.435            |           |
| 6,300.00                                             | 6,249.46              | 6,311.46              | 6,309.19              | 14.46            | 22.12         | -12.77                | -203.29                | 1,670.71     | 959.55                 | 923.31                  | 36.24                     | 26.479            |           |
| 6,400.00                                             | 6,348.48              | 6,411.49              | 6,408.89              | 14.66            | 22.47         | -12.64                | -208.28                | 1,664.28     | 939.76                 | 902.97                  | 36.79                     | 25.547            |           |
| 6,500.00                                             | 6,447.51              | 6,514.61              | 6,511.68              | 14.86            | 22.83         | -12.57                | -212.39                | 1,657.23     | 919.54                 | 882.20                  | 37.34                     | 24.629            |           |
| 6,600.00                                             | 6,546.54              | 6,615.18              | 6,611.92              | 15.07            | 23.19         | -12.53                | -215.89                | 1,649.93     | 898.89                 | 861.01                  | 37.88                     | 23.729            |           |
| 6,700.00                                             | 6,645.56              | 6,713.04              | 6,709.45              | 15.27            | 23.54         | -12.48                | -219.30                | 1,642.68     | 878.09                 | 839.67                  | 38.42                     | 22.852            |           |
| 6,800.00                                             | 6,744.59              | 6,809.55              | 6,805.63              | 15.48            | 23.88         | -12.41                | -222.99                | 1,635.62     | 857.41                 | 818.44                  | 38.97                     | 22.004            |           |
| 6,900.00                                             | 6,843.62              | 6,906.24              | 6,902.01              | 15.68            | 24.22         | -12.35                | -226.55                | 1,628.68     | 836.84                 | 797.34                  | 39.51                     | 21.181            |           |
| 7,000.00                                             | 6,942.64              | 7,001.44              | 6,996.91              | 15.89            | 24.56         | -12.28                | -230.24                | 1,622.03     | 816.48                 | 776.43                  | 40.05                     | 20.387            |           |
| 7,100.00                                             | 7,041.67              | 7,094.48              | 7,089.68              | 16.09            | 24.88         | -12.20                | -233.79                | 1,615.99     | 796.60                 | 756.01                  | 40.59                     | 19.627            |           |
| 7,200.00                                             | 7,140.70              | 7,187.03              | 7,182.01              | 16.30            | 25.21         | -12.12                | -237.47                | 1,610.62     | 777.40                 | 736.28                  | 41.12                     | 18.904            |           |
| 7,300.00                                             | 7,239.73              | 7,280.70              | 7,275.47              | 16.50            | 25.54         | -12.03                | -241.22                | 1,605.80     | 758.85                 | 717.19                  | 41.66                     | 18.215            |           |
| 7,400.00                                             | 7,338.75              | 7,375.92              | 7,370.53              | 16.71            | 25.87         | -11.95                | -244.72                | 1,601.41     | 740.82                 | 698.63                  | 42.20                     | 17.555            |           |
| 7,500.00                                             | 7,437.83              | 7,473.32              | 7,467.77              | 16.89            | 26.21         | -11.86                | -248.11                | 1,597.19     | 723.43                 | 680.72                  | 42.72                     | 16.936            |           |
| 7,600.00                                             | 7,537.20              | 7,569.75              | 7,564.05              | 17.07            | 26.55         | -11.69                | -251.67                | 1,593.14     | 708.46                 | 665.21                  | 43.26                     | 16.378            |           |
| 7,700.00                                             | 7,636.83              | 7,664.97              | 7,659.14              | 17.24            | 26.88         | -11.49                | -255.21                | 1,589.69     | 696.61                 | 652.82                  | 43.79                     | 15.909            |           |
| 7,800.00                                             | 7,736.65              | 7,759.49              | 7,753.55              | 17.38            | 27.21         | -11.23                | -258.94                | 1,586.75     | 687.84                 | 643.53                  | 44.30                     | 15.526            |           |
| 7,900.00                                             | 7,836.59              | 7,853.18              | 7,847.14              | 17.51            | 27.53         | -10.94                | -262.71                | 1,584.75     | 682.61                 | 637.81                  | 44.80                     | 15.238            |           |
| 8,000.00                                             | 7,936.58              | 7,948.76              | 7,942.63              | 17.56            | 27.86         | 93.43                 | -266.69                | 1,583.34     | 680.58                 | 635.39                  | 45.19                     | 15.060            |           |
| 8,100.00                                             | 8,036.58              | 8,043.29              | 8,037.08              | 17.60            | 28.19         | 93.74                 | -270.32                | 1,582.63     | 680.08                 | 634.52                  | 45.56                     | 14.928            |           |
| 8,108.20                                             | 8,044.78              | 8,050.99              | 8,044.78              | 17.60            | 28.21         | 93.76                 | -270.60                | 1,582.61     | 680.08                 | 634.49                  | 45.59                     | 14.918            | CC        |
| 8,200.00                                             | 8,136.58              | 8,139.32              | 8,133.06              | 17.64            | 28.52         | 94.00                 | -273.44                | 1,582.72     | 680.39                 | 634.46                  | 45.93                     | 14.815            | ES        |
| 8,300.00                                             | 8,236.58              | 8,238.31              | 8,232.02              | 17.68            | 28.86         | 94.19                 | -275.80                | 1,583.15     | 680.99                 | 634.69                  | 46.31                     | 14.707            |           |
| 8,400.00                                             | 8,336.58              | 8,338.00              | 8,331.70              | 17.72            | 29.20         | 94.33                 | -277.44                | 1,583.74     | 681.70                 | 635.01                  | 46.69                     | 14.602            |           |
| 8,500.00                                             | 8,436.58              | 8,437.23              | 8,430.92              | 17.77            | 29.54         | 94.39                 | -278.18                | 1,584.43     | 682.45                 | 635.38                  | 47.07                     | 14.500            |           |
| 8,600.00                                             | 8,536.58              | 8,537.28              | 8,530.97              | 17.81            | 29.89         | 94.39                 | -278.29                | 1,585.28     | 683.31                 | 635.86                  | 47.45                     | 14.401            |           |
| 8,700.00                                             | 8,636.58              | 8,637.35              | 8,631.03              | 17.85            | 30.23         | 94.36                 | -278.04                | 1,586.10     | 684.11                 | 636.28                  | 47.83                     | 14.302            |           |
| 8,800.00                                             | 8,736.58              | 8,736.20              | 8,729.88              | 17.89            | 30.57         | 94.34                 | -277.87                | 1,586.99     | 684.99                 | 636.78                  | 48.21                     | 14.208            |           |
| 8,900.00                                             | 8,836.58              | 8,836.06              | 8,829.73              | 17.93            | 30.92         | 94.33                 | -277.85                | 1,588.00     | 686.00                 | 637.40                  | 48.59                     | 14.117            |           |
| 9,000.00                                             | 8,936.58              | 8,936.44              | 8,930.11              | 17.98            | 31.26         | 94.34                 | -277.94                | 1,588.97     | 686.97                 | 637.99                  | 48.98                     | 14.026            |           |
| 9,100.00                                             | 9,036.58              | 9,035.39              | 9,029.06              | 18.02            | 31.60         | 94.36                 | -278.28                | 1,589.95     | 687.98                 | 638.62                  | 49.36                     | 13.938            |           |
| 9,200.00                                             | 9,136.58              | 9,134.60              | 9,128.26              | 18.06            | 31.95         | 94.39                 | -278.79                | 1,591.09     | 689.16                 | 639.42                  | 49.74                     | 13.855            |           |
| 9,300.00                                             | 9,236.58              | 9,232.53              | 9,226.17              | 18.11            | 32.29         | 94.43                 | -279.32                | 1,592.43     | 690.57                 | 640.45                  | 50.12                     | 13.779            |           |
| 9,400.00                                             | 9,336.58              | 9,335.24              | 9,328.88              | 18.15            | 32.64         | 94.47                 | -279.92                | 1,593.69     | 691.84                 | 641.33                  | 50.51                     | 13.696            |           |
| 9,500.00                                             | 9,436.58              | 9,433.67              | 9,427.30              | 18.20            | 32.98         | 94.52                 | -280.58                | 1,594.86     | 693.07                 | 642.18                  | 50.89                     | 13.618            |           |
| 9,600.00                                             | 9,536.58              | 9,532.62              | 9,526.23              | 18.24            | 33.32         | 94.60                 | -281.71                | 1,596.17     | 694.49                 | 643.21                  | 51.28                     | 13.544            |           |
| 9,700.00                                             | 9,636.58              | 9,632.36              | 9,625.94              | 18.29            | 33.67         | 94.74                 | -283.47                | 1,597.59     | 696.04                 | 644.38                  | 51.66                     | 13.473            |           |
| 9,800.00                                             | 9,736.58              | 9,735.55              | 9,729.10              | 18.33            | 34.02         | 94.94                 | -286.05                | 1,598.75     | 697.38                 | 645.32                  | 52.06                     | 13.395            |           |
| 9,900.00                                             | 9,836.58              | 9,842.51              | 9,836.00              | 18.38            | 34.40         | 95.22                 | -289.50                | 1,599.16     | 698.05                 | 645.57                  | 52.48                     | 13.302            |           |
| 10,000.00                                            | 9,936.58              | 9,943.79              | 9,937.20              | 18.43            | 34.75         | 95.54                 | -293.41                | 1,598.51     | 697.78                 | 644.90                  | 52.87                     | 13.197            |           |
| 10,011.48                                            | 9,948.07              | 9,954.66              | 9,948.07              | 18.43            | 34.78         | 95.58                 | -293.84                | 1,598.47     | 697.77                 | 644.86                  | 52.92                     | 13.186            |           |
| 10,100.00                                            | 10,036.58             | 10,036.74             | 10,030.07             | 18.47            | 35.07         | 95.85                 | -297.19                | 1,598.48     | 698.15                 | 644.91                  | 53.23                     | 13.115            |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design: Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 213H - OH - OH**

| Survey Program: 102-3_Gyro-NS_OWSG, 11744-3_MWD+HRGM |                             |                             |                             |                     |                  |                             | Rule Assigned:         |                 |                              |                               |                                 | Offset Well Error:   |         | 0.00 usft |
|------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|-----------|
| Reference                                            |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |           |
| Measured<br>Depth<br>(usft)                          | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |           |
| 10,200.00                                            | 10,136.58                   | 10,131.24                   | 10,124.48                   | 18.52               | 35.40            | 96.17                       | -301.21                | 1,599.41        | 699.57                       | 645.97                        | 53.60                           | 13.052               | SF      |           |
| 10,300.00                                            | 10,236.58                   | 10,239.89                   | 10,233.04                   | 18.57               | 35.77            | 96.50                       | -305.39                | 1,600.53        | 701.05                       | 647.03                        | 54.03                           | 12.976               |         |           |
| 10,400.00                                            | 10,336.58                   | 10,351.00                   | 10,344.14                   | 18.61               | 36.16            | 96.66                       | -307.27                | 1,599.89        | 700.66                       | 646.20                        | 54.46                           | 12.865               |         |           |
| 10,500.00                                            | 10,436.58                   | 10,459.86                   | 10,452.97                   | 18.66               | 36.53            | 96.58                       | -306.13                | 1,598.14        | 698.94                       | 644.06                        | 54.89                           | 12.734               |         |           |
| 10,600.00                                            | 10,536.58                   | 10,559.75                   | 10,552.81                   | 18.71               | 36.88            | 96.40                       | -303.68                | 1,596.06        | 696.59                       | 641.31                        | 55.28                           | 12.601               |         |           |
| 10,700.00                                            | 10,636.58                   | 10,655.82                   | 10,648.85                   | 18.76               | 37.21            | 96.30                       | -302.27                | 1,594.30        | 694.60                       | 638.94                        | 55.66                           | 12.478               |         |           |
| 10,800.00                                            | 10,736.14                   | 10,758.30                   | 10,751.29                   | 18.83               | 37.56            | 97.43                       | -300.46                | 1,592.37        | 693.52                       | 637.50                        | 56.02                           | 12.379               |         |           |
| 10,801.35                                            | 10,737.47                   | 10,759.58                   | 10,752.58                   | 18.83               | 37.57            | 97.44                       | -300.43                | 1,592.35        | 693.52                       | 637.49                        | 56.03                           | 12.378               |         |           |
| 10,900.00                                            | 10,832.81                   | 10,854.54                   | 10,847.49                   | 18.88               | 37.90            | 99.09                       | -298.31                | 1,590.74        | 695.21                       | 638.87                        | 56.33                           | 12.341               |         |           |
| 11,000.00                                            | 10,923.66                   | 10,955.16                   | 10,948.06                   | 18.91               | 38.24            | 101.82                      | -296.21                | 1,588.19        | 700.38                       | 643.72                        | 56.66                           | 12.360               |         |           |
| 11,100.00                                            | 11,005.93                   | 11,041.97                   | 11,034.80                   | 18.96               | 38.55            | 104.61                      | -295.12                | 1,585.04        | 711.55                       | 654.55                        | 57.00                           | 12.484               |         |           |
| 11,200.00                                            | 11,077.11                   | 11,115.99                   | 11,108.77                   | 19.07               | 38.80            | 106.64                      | -293.94                | 1,582.18        | 731.93                       | 674.55                        | 57.39                           | 12.754               |         |           |
| 11,300.00                                            | 11,135.05                   | 11,167.14                   | 11,159.88                   | 19.25               | 38.98            | 106.61                      | -293.12                | 1,580.40        | 764.01                       | 706.17                        | 57.84                           | 13.209               |         |           |
| 11,400.00                                            | 11,177.98                   | 11,204.11                   | 11,196.83                   | 19.50               | 39.11            | 104.41                      | -292.84                | 1,579.36        | 808.74                       | 750.37                        | 58.37                           | 13.855               |         |           |
| 11,500.00                                            | 11,204.59                   | 11,228.01                   | 11,220.72                   | 19.84               | 39.19            | 99.61                       | -292.80                | 1,578.79        | 864.95                       | 806.03                        | 58.93                           | 14.678               |         |           |
| 11,600.00                                            | 11,214.09                   | 11,236.60                   | 11,229.31                   | 20.26               | 39.22            | 91.73                       | -292.80                | 1,578.58        | 930.29                       | 870.83                        | 59.45                           | 15.648               |         |           |
| 11,700.00                                            | 11,213.30                   | 11,235.81                   | 11,228.52                   | 20.76               | 39.22            | 90.75                       | -292.80                | 1,578.60        | 1,001.83                     | 941.91                        | 59.92                           | 16.719               |         |           |
| 11,800.00                                            | 11,212.44                   | 11,234.97                   | 11,227.68                   | 21.31               | 39.21            | 90.68                       | -292.80                | 1,578.62        | 1,077.91                     | 1,017.57                      | 60.34                           | 17.863               |         |           |
| 11,900.00                                            | 11,211.57                   | 11,234.14                   | 11,226.85                   | 21.92               | 39.21            | 90.61                       | -292.80                | 1,578.64        | 1,157.64                     | 1,096.92                      | 60.72                           | 19.066               |         |           |
| 12,000.00                                            | 11,210.70                   | 11,233.34                   | 11,226.05                   | 22.59               | 39.21            | 90.54                       | -292.80                | 1,578.66        | 1,240.30                     | 1,179.26                      | 61.05                           | 20.318               |         |           |
| 12,100.00                                            | 11,209.84                   | 11,232.56                   | 11,225.27                   | 23.31               | 39.21            | 90.47                       | -292.80                | 1,578.68        | 1,325.36                     | 1,264.03                      | 61.33                           | 21.609               |         |           |
| 12,200.00                                            | 11,208.97                   | 11,231.80                   | 11,224.51                   | 24.07               | 39.20            | 90.41                       | -292.80                | 1,578.70        | 1,412.37                     | 1,350.79                      | 61.59                           | 22.934               |         |           |
| 12,300.00                                            | 11,208.10                   | 13,585.00                   | 12,527.67                   | 24.88               | 45.25            | 152.69                      | 1,053.83               | 1,574.27        | 1,485.12                     | 1,428.34                      | 56.78                           | 26.158               |         |           |
| 12,400.00                                            | 11,207.24                   | 13,691.85                   | 12,526.07                   | 25.73               | 45.92            | 152.57                      | 1,160.63               | 1,576.63        | 1,486.02                     | 1,428.60                      | 57.42                           | 25.880               |         |           |
| 12,401.23                                            | 11,207.23                   | 13,693.50                   | 12,526.05                   | 25.74               | 45.93            | 152.56                      | 1,162.29               | 1,576.63        | 1,486.02                     | 1,428.59                      | 57.43                           | 25.876               |         |           |
| 12,500.00                                            | 11,206.37                   | 13,773.00                   | 12,526.46                   | 26.63               | 46.46            | 152.59                      | 1,241.77               | 1,575.71        | 1,486.99                     | 1,429.05                      | 57.94                           | 25.663               |         |           |
| 12,600.00                                            | 11,205.50                   | 13,925.39                   | 12,525.51                   | 27.55               | 47.54            | 152.77                      | 1,394.00               | 1,569.48        | 1,485.36                     | 1,426.50                      | 58.86                           | 25.236               |         |           |
| 12,700.00                                            | 11,204.64                   | 14,156.34                   | 12,515.99                   | 28.51               | 49.33            | 153.23                      | 1,623.76               | 1,550.19        | 1,479.56                     | 1,419.31                      | 60.25                           | 24.557               |         |           |
| 12,800.00                                            | 11,203.77                   | 14,236.08                   | 12,507.39                   | 29.51               | 49.98            | 153.18                      | 1,702.97               | 1,546.93        | 1,469.23                     | 1,408.34                      | 60.89                           | 24.130               |         |           |
| 12,900.00                                            | 11,202.90                   | 14,292.20                   | 12,501.12                   | 30.52               | 50.44            | 153.05                      | 1,758.72               | 1,547.37        | 1,460.83                     | 1,399.40                      | 61.44                           | 23.778               |         |           |
| 13,000.00                                            | 11,202.04                   | 14,339.00                   | 12,496.06                   | 31.57               | 50.83            | 152.84                      | 1,805.13               | 1,550.60        | 1,455.67                     | 1,393.69                      | 61.98                           | 23.486               |         |           |
| 13,082.61                                            | 11,201.32                   | 14,370.20                   | 12,493.24                   | 32.45               | 51.09            | 152.66                      | 1,836.00               | 1,554.11        | 1,454.42                     | 1,392.00                      | 62.41                           | 23.303               |         |           |
| 13,100.00                                            | 11,201.17                   | 14,375.98                   | 12,492.83                   | 32.64               | 51.14            | 152.62                      | 1,841.72               | 1,554.86        | 1,454.56                     | 1,392.06                      | 62.50                           | 23.273               |         |           |
| 13,200.00                                            | 11,200.30                   | 14,433.00                   | 12,490.57                   | 33.72               | 51.61            | 152.25                      | 1,897.93               | 1,564.06        | 1,458.66                     | 1,395.41                      | 63.24                           | 23.064               |         |           |
| 13,300.00                                            | 11,199.44                   | 14,453.56                   | 12,490.39                   | 34.83               | 51.78            | 152.11                      | 1,918.12               | 1,567.96        | 1,466.09                     | 1,402.40                      | 63.68                           | 23.022               |         |           |
| 13,400.00                                            | 11,198.57                   | 14,528.00                   | 12,490.48                   | 35.95               | 52.41            | 151.61                      | 1,991.17               | 1,582.26        | 1,476.57                     | 1,411.89                      | 64.68                           | 22.828               |         |           |
| 13,500.00                                            | 11,197.70                   | 14,574.71                   | 12,491.98                   | 37.10               | 52.81            | 151.33                      | 2,037.01               | 1,591.07        | 1,489.73                     | 1,424.31                      | 65.42                           | 22.772               |         |           |
| 13,600.00                                            | 11,196.84                   | 14,622.00                   | 12,495.73                   | 38.25               | 53.22            | 151.11                      | 2,083.40               | 1,599.44        | 1,506.42                     | 1,440.28                      | 66.15                           | 22.773               |         |           |
| 13,700.00                                            | 11,195.97                   | 15,058.54                   | 12,535.62                   | 39.42               | 57.38            | 152.21                      | 2,515.58               | 1,586.42        | 1,515.90                     | 1,446.73                      | 69.17                           | 21.916               |         |           |
| 13,800.00                                            | 11,195.10                   | 15,196.63                   | 12,531.03                   | 40.60               | 58.80            | 152.54                      | 2,652.92               | 1,573.57        | 1,509.34                     | 1,438.99                      | 70.35                           | 21.455               |         |           |
| 13,900.00                                            | 11,194.24                   | 15,298.79                   | 12,524.74                   | 41.79               | 59.87            | 152.60                      | 2,754.75               | 1,568.24        | 1,502.63                     | 1,431.19                      | 71.44                           | 21.033               |         |           |
| 14,000.00                                            | 11,193.37                   | 15,377.00                   | 12,521.08                   | 42.99               | 60.70            | 152.64                      | 2,832.79               | 1,564.73        | 1,497.46                     | 1,425.07                      | 72.38                           | 20.688               |         |           |
| 14,100.00                                            | 11,192.50                   | 15,463.74                   | 12,518.21                   | 44.21               | 61.63            | 152.72                      | 2,919.39               | 1,560.73        | 1,493.49                     | 1,420.10                      | 73.39                           | 20.350               |         |           |
| 14,200.00                                            | 11,191.64                   | 15,544.31                   | 12,515.44                   | 45.43               | 62.50            | 152.75                      | 2,999.86               | 1,558.04        | 1,490.08                     | 1,415.69                      | 74.39                           | 20.031               |         |           |
| 14,300.00                                            | 11,190.77                   | 15,617.12                   | 12,512.88                   | 46.66               | 63.30            | 152.69                      | 3,072.63               | 1,558.19        | 1,488.24                     | 1,412.84                      | 75.40                           | 19.739               |         |           |
| 14,338.33                                            | 11,190.44                   | 15,644.19                   | 12,512.02                   | 47.13               | 63.59            | 152.64                      | 3,099.67               | 1,558.87        | 1,488.05                     | 1,412.25                      | 75.79                           | 19.633               |         |           |
| 14,400.00                                            | 11,189.91                   | 15,686.12                   | 12,510.90                   | 47.89               | 64.05            | 152.57                      | 3,141.56               | 1,560.43        | 1,488.37                     | 1,411.95                      | 76.43                           | 19.474               |         |           |
| 14,500.00                                            | 11,189.04                   | 15,754.00                   | 12,510.41                   | 49.14               | 64.80            | 152.46                      | 3,209.38               | 1,563.11        | 1,490.70                     | 1,413.25                      | 77.45                           | 19.248               |         |           |
| 14,600.00                                            | 11,188.17                   | 15,839.19                   | 12,511.06                   | 50.39               | 65.74            | 152.32                      | 3,294.49               | 1,566.93        | 1,494.62                     | 1,415.96                      | 78.66                           | 19.001               |         |           |
| 14,700.00                                            | 11,187.31                   | 15,940.43                   | 12,511.36                   | 51.64               | 66.87            | 152.10                      | 3,395.51               | 1,573.29        | 1,498.99                     | 1,418.88                      | 80.11                           | 18.711               |         |           |
| 14,800.00                                            | 11,186.44                   | 16,050.38                   | 12,510.43                   | 52.91               | 68.10            | 151.79                      | 3,505.16               | 1,581.48        | 1,502.93                     | 1,421.19                      | 81.74                           | 18.386               |         |           |
| 14,900.00                                            | 11,185.57                   | 16,148.07                   | 12,509.35                   | 54.17               | 69.21            | 151.53                      | 3,602.60               | 1,588.27        | 1,506.44                     | 1,423.19                      | 83.26                           | 18.094               |         |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design:** Coonskin Fee Pad - (O) Cosmo K 24S35E3328 Fee 213H - OH - OH

| Survey Program: 102-3_Gyro-NS_OWSG, 11744-3_MWD+HRGM |                       |                       |                       |                  |               |                       | Rule Assigned:         |          |                        |                         |                           | Offset Well Error: 0.00 usft |         |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|----------|------------------------|-------------------------|---------------------------|------------------------------|---------|
| Reference                                            |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |          | Distance               |                         |                           | Separation Factor            | Warning |
| Measured Depth (usft)                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       |                        |          | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) |                              |         |
| 15,000.00                                            | 11,184.71             | 16,229.18             | 12,509.50             | 55.44            | 70.14         | 151.34                | 3,683.52               | 1,593.77 | 1,510.99               | 1,426.42                | 84.58                     | 17.865                       |         |
| 15,100.00                                            | 11,183.84             | 16,364.50             | 12,510.61             | 56.72            | 71.72         | 151.15                | 3,818.71               | 1,599.63 | 1,515.01               | 1,428.56                | 86.44                     | 17.526                       |         |
| 15,200.00                                            | 11,182.97             | 16,485.79             | 12,511.14             | 58.00            | 73.15         | 151.12                | 3,939.99               | 1,600.28 | 1,516.78               | 1,428.75                | 88.04                     | 17.229                       |         |
| 15,300.00                                            | 11,182.11             | 16,648.00             | 12,506.10             | 59.29            | 75.09         | 150.99                | 4,102.08               | 1,600.94 | 1,515.06               | 1,424.98                | 90.08                     | 16.819                       |         |
| 15,400.00                                            | 11,181.24             | 16,745.83             | 12,501.15             | 60.57            | 76.27         | 150.85                | 4,199.78               | 1,601.84 | 1,512.26               | 1,420.66                | 91.60                     | 16.509                       |         |
| 15,500.00                                            | 11,180.37             | 16,835.61             | 12,497.53             | 61.87            | 77.36         | 150.77                | 4,289.48               | 1,601.81 | 1,509.92               | 1,416.90                | 93.02                     | 16.232                       |         |
| 15,600.00                                            | 11,179.51             | 16,924.19             | 12,495.80             | 63.16            | 78.45         | 150.79                | 4,378.03               | 1,599.94 | 1,508.36               | 1,414.02                | 94.34                     | 15.988                       |         |
| 15,700.00                                            | 11,178.64             | 17,015.76             | 12,494.82             | 64.46            | 79.57         | 150.83                | 4,469.57               | 1,597.80 | 1,507.46               | 1,411.79                | 95.67                     | 15.757                       |         |
| 15,800.00                                            | 11,177.77             | 17,126.77             | 12,493.79             | 65.76            | 80.95         | 150.88                | 4,580.54               | 1,595.32 | 1,506.78               | 1,409.61                | 97.17                     | 15.507                       |         |
| 15,900.00                                            | 11,176.91             | 17,215.88             | 12,491.59             | 67.06            | 82.06         | 150.86                | 4,669.61               | 1,594.44 | 1,505.37               | 1,406.80                | 98.56                     | 15.273                       |         |
| 16,000.00                                            | 11,176.04             | 17,367.87             | 12,487.04             | 68.37            | 83.95         | 150.79                | 4,821.47               | 1,593.35 | 1,503.90               | 1,403.36                | 100.54                    | 14.959                       |         |
| 16,100.00                                            | 11,175.17             | 17,445.00             | 12,482.88             | 69.68            | 84.92         | 150.69                | 4,898.49               | 1,593.82 | 1,500.63               | 1,398.67                | 101.96                    | 14.717                       |         |
| 16,200.00                                            | 11,174.31             | 17,514.22             | 12,480.81             | 70.99            | 85.79         | 150.64                | 4,967.68               | 1,593.76 | 1,499.14               | 1,395.89                | 103.25                    | 14.519                       |         |
| 16,233.72                                            | 11,174.01             | 17,540.00             | 12,480.47             | 71.43            | 86.12         | 150.64                | 4,993.45               | 1,593.64 | 1,499.07               | 1,395.38                | 103.70                    | 14.457                       |         |
| 16,300.00                                            | 11,173.44             | 17,589.86             | 12,480.08             | 72.30            | 86.75         | 150.62                | 5,043.31               | 1,593.77 | 1,499.47               | 1,394.91                | 104.56                    | 14.340                       |         |
| 16,400.00                                            | 11,172.57             | 17,715.70             | 12,478.47             | 73.62            | 88.34         | 150.50                | 5,169.12               | 1,596.04 | 1,500.61               | 1,394.14                | 106.47                    | 14.094                       |         |
| 16,500.00                                            | 11,171.71             | 17,851.63             | 12,474.60             | 74.93            | 90.08         | 150.47                | 5,304.97               | 1,594.33 | 1,498.66               | 1,390.33                | 108.34                    | 13.833                       |         |
| 16,600.00                                            | 11,170.84             | 17,984.99             | 12,470.60             | 76.25            | 91.80         | 150.62                | 5,438.05               | 1,587.08 | 1,494.56               | 1,384.64                | 109.92                    | 13.597                       |         |
| 16,700.00                                            | 11,169.97             | 18,077.94             | 12,468.02             | 77.57            | 93.01         | 150.81                | 5,530.65               | 1,579.35 | 1,489.27               | 1,378.13                | 111.14                    | 13.400                       |         |
| 16,800.00                                            | 11,169.11             | 18,203.34             | 12,466.42             | 78.90            | 94.64         | 151.23                | 5,655.29               | 1,565.73 | 1,484.14               | 1,371.86                | 112.28                    | 13.218                       |         |
| 16,900.00                                            | 11,168.24             | 18,271.29             | 12,466.45             | 80.22            | 95.53         | 151.53                | 5,722.61               | 1,556.54 | 1,478.81               | 1,365.64                | 113.17                    | 13.067                       |         |
| 17,000.00                                            | 11,167.37             | 18,400.42             | 12,468.75             | 81.55            | 97.23         | 152.27                | 5,850.04               | 1,535.83 | 1,474.03               | 1,360.16                | 113.87                    | 12.945                       |         |
| 17,100.00                                            | 11,166.51             | 18,484.00             | 12,470.34             | 82.87            | 98.33         | 152.79                | 5,932.32               | 1,521.25 | 1,468.70               | 1,354.17                | 114.53                    | 12.824                       |         |
| 17,200.00                                            | 11,165.64             | 18,571.47             | 12,473.37             | 84.20            | 99.49         | 153.39                | 6,018.22               | 1,505.05 | 1,464.45               | 1,349.39                | 115.06                    | 12.727                       |         |
| 17,300.00                                            | 11,164.77             | 18,713.80             | 12,475.44             | 85.53            | 101.38        | 154.30                | 6,158.23               | 1,479.61 | 1,458.92               | 1,343.36                | 115.56                    | 12.625                       |         |
| 17,400.00                                            | 11,163.91             | 18,813.03             | 12,474.64             | 86.86            | 102.71        | 154.88                | 6,255.99               | 1,462.63 | 1,451.91               | 1,335.72                | 116.19                    | 12.496                       |         |
| 17,500.00                                            | 11,163.04             | 18,823.00             | 12,474.61             | 88.19            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,448.00               | 1,331.24                | 116.76                    | 12.401                       |         |
| 17,507.18                                            | 11,162.98             | 18,823.00             | 12,474.61             | 88.29            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,447.99               | 1,331.19                | 116.79                    | 12.398                       |         |
| 17,600.00                                            | 11,162.18             | 18,823.00             | 12,474.61             | 89.53            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,450.96               | 1,333.97                | 116.99                    | 12.403                       |         |
| 17,700.00                                            | 11,161.31             | 18,823.00             | 12,474.61             | 90.86            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,460.77               | 1,343.93                | 116.84                    | 12.502                       |         |
| 17,800.00                                            | 11,160.44             | 18,823.00             | 12,474.61             | 92.20            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,477.30               | 1,360.95                | 116.35                    | 12.697                       |         |
| 17,900.00                                            | 11,159.58             | 18,823.00             | 12,474.61             | 93.53            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,500.32               | 1,384.78                | 115.54                    | 12.985                       |         |
| 18,000.00                                            | 11,158.71             | 18,823.00             | 12,474.61             | 94.87            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,529.55               | 1,415.08                | 114.47                    | 13.362                       |         |
| 18,100.00                                            | 11,157.84             | 18,823.00             | 12,474.61             | 96.21            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,564.64               | 1,451.46                | 113.18                    | 13.824                       |         |
| 18,200.00                                            | 11,156.98             | 18,823.00             | 12,474.61             | 97.55            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,605.20               | 1,493.47                | 111.73                    | 14.367                       |         |
| 18,300.00                                            | 11,156.11             | 18,823.00             | 12,474.61             | 98.89            | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,650.83               | 1,540.67                | 110.16                    | 14.986                       |         |
| 18,400.00                                            | 11,155.24             | 18,823.00             | 12,474.61             | 100.23           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,701.11               | 1,592.60                | 108.51                    | 15.676                       |         |
| 18,500.00                                            | 11,154.38             | 18,823.00             | 12,474.61             | 101.57           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,755.66               | 1,648.82                | 106.84                    | 16.432                       |         |
| 18,600.00                                            | 11,153.51             | 18,823.00             | 12,474.61             | 102.91           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,814.09               | 1,708.91                | 105.18                    | 17.248                       |         |
| 18,700.00                                            | 11,152.64             | 18,823.00             | 12,474.61             | 104.26           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,876.03               | 1,772.49                | 103.53                    | 18.120                       |         |
| 18,800.00                                            | 11,151.78             | 18,823.00             | 12,474.61             | 105.60           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,941.15               | 1,839.21                | 101.94                    | 19.042                       |         |
| 18,849.18                                            | 11,151.35             | 18,823.00             | 12,474.61             | 106.26           | 102.84        | 154.94                | 6,265.81               | 1,460.88 | 1,974.24               | 1,873.06                | 101.18                    | 19.513                       |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K Fee #223H - OH - OH

| Survey Program: 146-3_MWD   |                             |                             |                             |                     |                  | Rule Assigned:              |                        |                 |                              |                               | Offset Well Error:              |                      | 0.00 usft |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |           |
| 0.00                        | 0.00                        | 0.00                        | 12.00                       | 0.00                | 0.00             | 91.91                       | -60.00                 | 1,799.00        | 1,800.04                     |                               |                                 |                      |           |
| 100.00                      | 100.00                      | 91.60                       | 103.60                      | 0.84                | 0.14             | 91.91                       | -60.06                 | 1,798.91        | 1,799.91                     | 1,798.93                      | 0.98                            | 1,836.196            |           |
| 200.00                      | 200.00                      | 192.28                      | 204.28                      | 1.48                | 0.38             | 91.92                       | -60.38                 | 1,798.63        | 1,799.64                     | 1,797.78                      | 1.86                            | 967.104              |           |
| 300.00                      | 300.00                      | 293.07                      | 305.06                      | 1.92                | 0.74             | 91.96                       | -61.69                 | 1,798.37        | 1,799.43                     | 1,796.77                      | 2.66                            | 676.705              |           |
| 400.00                      | 400.00                      | 415.70                      | 427.67                      | 2.28                | 1.18             | 92.03                       | -63.62                 | 1,797.37        | 1,798.71                     | 1,795.25                      | 3.46                            | 520.320              |           |
| 500.00                      | 500.00                      | 513.68                      | 525.62                      | 2.59                | 1.53             | 92.08                       | -65.28                 | 1,795.82        | 1,797.19                     | 1,793.07                      | 4.12                            | 436.154              |           |
| 600.00                      | 600.00                      | 617.85                      | 629.77                      | 2.87                | 1.91             | 92.13                       | -66.69                 | 1,794.13        | 1,795.62                     | 1,790.84                      | 4.77                            | 376.111              |           |
| 700.00                      | 700.00                      | 714.01                      | 725.91                      | 3.12                | 2.25             | 92.17                       | -67.82                 | 1,792.58        | 1,794.05                     | 1,788.68                      | 5.38                            | 333.711              |           |
| 800.00                      | 800.00                      | 810.18                      | 822.07                      | 3.23                | 2.60             | -11.85                      | -68.67                 | 1,791.31        | 1,792.44                     | 1,786.61                      | 5.83                            | 307.517              |           |
| 900.00                      | 899.96                      | 910.43                      | 922.30                      | 3.51                | 2.96             | -11.83                      | -69.94                 | 1,789.96        | 1,788.58                     | 1,782.12                      | 6.46                            | 276.731              |           |
| 1,000.00                    | 999.82                      | 996.26                      | 1,008.12                    | 3.77                | 3.27             | -11.84                      | -71.06                 | 1,789.11        | 1,782.53                     | 1,775.50                      | 7.03                            | 253.503              |           |
| 1,100.00                    | 1,099.51                    | 1,084.60                    | 1,096.45                    | 4.03                | 3.58             | -11.87                      | -72.37                 | 1,789.04        | 1,774.82                     | 1,767.22                      | 7.60                            | 233.616              |           |
| 1,200.00                    | 1,198.96                    | 1,181.32                    | 1,193.16                    | 4.27                | 3.92             | -11.92                      | -73.85                 | 1,789.19        | 1,764.80                     | 1,756.62                      | 8.18                            | 215.635              |           |
| 1,300.00                    | 1,298.11                    | 1,276.35                    | 1,288.17                    | 4.44                | 4.26             | -11.99                      | -75.31                 | 1,789.58        | 1,752.53                     | 1,743.84                      | 8.69                            | 201.786              |           |
| 1,400.00                    | 1,397.13                    | 1,374.73                    | 1,386.54                    | 4.63                | 4.61             | -12.04                      | -76.79                 | 1,790.13        | 1,739.52                     | 1,730.30                      | 9.23                            | 188.514              |           |
| 1,500.00                    | 1,496.16                    | 1,475.78                    | 1,487.58                    | 4.83                | 4.96             | -12.09                      | -78.25                 | 1,790.64        | 1,726.46                     | 1,716.68                      | 9.78                            | 176.525              |           |
| 1,600.00                    | 1,595.19                    | 1,570.63                    | 1,582.42                    | 5.02                | 5.30             | -12.13                      | -79.67                 | 1,791.11        | 1,713.39                     | 1,703.08                      | 10.31                           | 166.144              |           |
| 1,700.00                    | 1,694.21                    | 1,662.89                    | 1,674.61                    | 5.21                | 5.63             | -12.11                      | -83.04                 | 1,791.89        | 1,700.74                     | 1,689.90                      | 10.84                           | 156.907              |           |
| 1,800.00                    | 1,793.24                    | 1,757.37                    | 1,768.98                    | 5.41                | 5.97             | -12.06                      | -87.39                 | 1,792.96        | 1,688.42                     | 1,677.05                      | 11.38                           | 148.424              |           |
| 1,900.00                    | 1,892.27                    | 1,853.00                    | 1,864.50                    | 5.60                | 6.32             | -12.00                      | -91.88                 | 1,794.28        | 1,676.35                     | 1,664.43                      | 11.92                           | 140.667              |           |
| 2,000.00                    | 1,991.30                    | 1,971.90                    | 1,983.25                    | 5.80                | 6.75             | -11.92                      | -97.76                 | 1,795.61        | 1,664.06                     | 1,651.52                      | 12.54                           | 132.670              |           |
| 2,100.00                    | 2,090.32                    | 2,088.01                    | 2,099.13                    | 5.99                | 7.17             | -11.78                      | -104.93                | 1,795.20        | 1,650.32                     | 1,637.16                      | 13.16                           | 125.388              |           |
| 2,200.00                    | 2,189.35                    | 2,184.01                    | 2,194.92                    | 6.19                | 7.53             | -11.65                      | -111.35                | 1,794.50        | 1,636.25                     | 1,622.54                      | 13.71                           | 119.330              |           |
| 2,300.00                    | 2,288.38                    | 2,278.73                    | 2,289.43                    | 6.38                | 7.88             | -11.52                      | -117.56                | 1,794.03        | 1,622.41                     | 1,608.15                      | 14.26                           | 113.788              |           |
| 2,400.00                    | 2,387.40                    | 2,372.32                    | 2,382.84                    | 6.58                | 8.22             | -11.41                      | -123.31                | 1,793.83        | 1,608.85                     | 1,594.05                      | 14.80                           | 108.703              |           |
| 2,500.00                    | 2,486.43                    | 2,457.00                    | 2,467.35                    | 6.77                | 8.54             | -11.30                      | -128.71                | 1,794.19        | 1,595.92                     | 1,580.61                      | 15.31                           | 104.229              |           |
| 2,600.00                    | 2,585.46                    | 2,542.46                    | 2,552.57                    | 6.97                | 8.85             | -11.16                      | -134.94                | 1,795.25        | 1,583.87                     | 1,568.05                      | 15.83                           | 100.075              |           |
| 2,700.00                    | 2,684.48                    | 2,632.19                    | 2,642.02                    | 7.16                | 9.19             | -11.00                      | -141.92                | 1,797.04        | 1,572.60                     | 1,556.24                      | 16.36                           | 96.138               |           |
| 2,800.00                    | 2,783.51                    | 2,720.78                    | 2,730.32                    | 7.36                | 9.51             | -10.84                      | -148.56                | 1,799.37        | 1,561.95                     | 1,545.07                      | 16.88                           | 92.514               |           |
| 2,900.00                    | 2,882.54                    | 2,863.33                    | 2,872.41                    | 7.56                | 10.05            | -10.58                      | -159.63                | 1,801.67        | 1,550.36                     | 1,532.76                      | 17.60                           | 88.064               |           |
| 3,000.00                    | 2,981.57                    | 2,967.44                    | 2,976.17                    | 7.76                | 10.44            | -10.35                      | -168.23                | 1,801.51        | 1,537.03                     | 1,518.84                      | 18.19                           | 84.493               |           |
| 3,100.00                    | 3,080.59                    | 3,063.14                    | 3,071.56                    | 7.95                | 10.80            | -10.15                      | -175.97                | 1,801.47        | 1,523.84                     | 1,505.09                      | 18.75                           | 81.276               |           |
| 3,200.00                    | 3,179.62                    | 3,164.84                    | 3,172.94                    | 8.15                | 11.18            | -9.94                       | -184.02                | 1,801.48        | 1,510.70                     | 1,491.38                      | 19.33                           | 78.167               |           |
| 3,300.00                    | 3,278.65                    | 3,280.57                    | 3,288.34                    | 8.35                | 11.62            | -9.71                       | -192.73                | 1,800.85        | 1,497.03                     | 1,477.08                      | 19.95                           | 75.038               |           |
| 3,400.00                    | 3,377.67                    | 3,384.95                    | 3,392.39                    | 8.55                | 12.01            | -9.48                       | -200.81                | 1,799.23        | 1,482.37                     | 1,461.83                      | 20.54                           | 72.183               |           |
| 3,500.00                    | 3,476.70                    | 3,490.48                    | 3,497.57                    | 8.75                | 12.41            | -9.25                       | -209.09                | 1,797.29        | 1,467.47                     | 1,446.34                      | 21.13                           | 69.463               |           |
| 3,600.00                    | 3,575.73                    | 3,580.12                    | 3,586.95                    | 8.95                | 12.75            | -9.05                       | -215.86                | 1,795.70        | 1,452.63                     | 1,430.96                      | 21.66                           | 67.051               |           |
| 3,700.00                    | 3,674.75                    | 3,667.23                    | 3,673.83                    | 9.15                | 13.07            | -8.87                       | -222.12                | 1,794.82        | 1,438.52                     | 1,416.33                      | 22.19                           | 64.815               |           |
| 3,800.00                    | 3,773.78                    | 3,740.79                    | 3,747.20                    | 9.36                | 13.35            | -8.73                       | -227.32                | 1,794.97        | 1,425.65                     | 1,402.97                      | 22.68                           | 62.870               |           |
| 3,900.00                    | 3,872.81                    | 3,816.89                    | 3,823.06                    | 9.56                | 13.63            | -8.57                       | -233.10                | 1,796.56        | 1,414.64                     | 1,391.47                      | 23.16                           | 61.074               |           |
| 4,000.00                    | 3,971.84                    | 3,895.31                    | 3,901.16                    | 9.76                | 13.93            | -8.37                       | -239.76                | 1,799.20        | 1,405.06                     | 1,381.40                      | 23.65                           | 59.402               |           |
| 4,100.00                    | 4,070.86                    | 3,965.00                    | 3,970.50                    | 9.96                | 14.19            | -8.20                       | -245.73                | 1,802.72        | 1,397.22                     | 1,373.11                      | 24.10                           | 57.965               |           |
| 4,200.00                    | 4,169.89                    | 4,041.83                    | 4,046.88                    | 10.17               | 14.48            | -8.03                       | -252.03                | 1,808.09        | 1,391.27                     | 1,366.69                      | 24.57                           | 56.615               |           |
| 4,300.00                    | 4,268.92                    | 4,135.11                    | 4,139.55                    | 10.37               | 14.82            | -7.84                       | -259.14                | 1,816.01        | 1,386.71                     | 1,361.60                      | 25.11                           | 55.230               |           |
| 4,400.00                    | 4,367.94                    | 4,326.90                    | 4,330.62                    | 10.57               | 15.53            | -7.54                       | -271.22                | 1,826.67        | 1,379.31                     | 1,353.29                      | 26.02                           | 53.006               |           |
| 4,500.00                    | 4,466.97                    | 4,551.14                    | 4,554.53                    | 10.78               | 16.31            | -7.48                       | -276.13                | 1,820.01        | 1,361.77                     | 1,334.90                      | 26.87                           | 50.673               |           |
| 4,600.00                    | 4,566.00                    | 4,625.00                    | 4,628.24                    | 10.98               | 16.54            | -7.64                       | -273.26                | 1,816.06        | 1,342.35                     | 1,315.01                      | 27.34                           | 49.095               |           |
| 4,700.00                    | 4,665.02                    | 4,691.71                    | 4,694.85                    | 11.18               | 16.74            | -7.81                       | -270.30                | 1,813.94        | 1,325.01                     | 1,297.22                      | 27.79                           | 47.684               |           |
| 4,800.00                    | 4,764.05                    | 4,752.98                    | 4,756.07                    | 11.39               | 16.94            | -7.95                       | -268.21                | 1,813.63        | 1,310.37                     | 1,282.16                      | 28.21                           | 46.448               |           |
| 4,900.00                    | 4,863.08                    | 4,815.00                    | 4,818.07                    | 11.59               | 17.14            | -8.05                       | -267.26                | 1,815.08        | 1,298.69                     | 1,270.07                      | 28.62                           | 45.371               |           |
| 5,000.00                    | 4,962.10                    | 4,906.46                    | 4,909.46                    | 11.80               | 17.45            | -8.11                       | -268.04                | 1,818.60        | 1,288.78                     | 1,259.65                      | 29.13                           | 44.237               |           |
| 5,100.00                    | 5,061.13                    | 5,018.81                    | 5,021.71                    | 12.00               | 17.84            | -8.13                       | -270.26                | 1,822.59        | 1,278.74                     | 1,249.02                      | 29.72                           | 43.026               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K Fee #223H - OH - OH

| Survey Program: 146-3_MWD   |                             | Reference                   |                             | Offset              |                  | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning | Offset Site Error: |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|--------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         | Offset Well Error: |
| 5,200.00                    | 5,160.16                    | 5,192.91                    | 5,195.75                    | 12.20               | 18.46            | 12.20               | 18.46            | -8.12                       | -273.95                | 1,822.80        | 1,265.45                     | 1,234.98                      | 30.47                           | 41.529               |         | 0.00 usft          |
| 5,300.00                    | 5,259.19                    | 5,296.31                    | 5,299.08                    | 12.41               | 18.82            | 12.41               | 18.82            | -8.13                       | -275.59                | 1,819.47        | 1,248.66                     | 1,217.64                      | 31.02                           | 40.252               |         |                    |
| 5,400.00                    | 5,358.21                    | 5,391.26                    | 5,393.97                    | 12.61               | 19.15            | 12.61               | 19.15            | -8.14                       | -276.89                | 1,816.45        | 1,231.90                     | 1,200.35                      | 31.55                           | 39.042               |         |                    |
| 5,500.00                    | 5,457.24                    | 5,492.42                    | 5,495.07                    | 12.82               | 19.50            | 12.82               | 19.50            | -8.15                       | -278.32                | 1,813.24        | 1,215.15                     | 1,183.05                      | 32.10                           | 37.858               |         |                    |
| 5,600.00                    | 5,556.27                    | 5,591.58                    | 5,594.16                    | 13.02               | 19.84            | 13.02               | 19.84            | -8.17                       | -279.57                | 1,809.92        | 1,198.21                     | 1,165.57                      | 32.64                           | 36.713               |         |                    |
| 5,700.00                    | 5,655.29                    | 5,684.97                    | 5,687.51                    | 13.23               | 20.16            | 13.23               | 20.16            | -8.23                       | -279.80                | 1,807.13        | 1,181.52                     | 1,148.35                      | 33.16                           | 35.630               |         |                    |
| 5,800.00                    | 5,754.32                    | 5,780.05                    | 5,782.56                    | 13.43               | 20.48            | 13.43               | 20.48            | -8.32                       | -279.64                | 1,804.74        | 1,165.25                     | 1,131.57                      | 33.69                           | 34.592               |         |                    |
| 5,900.00                    | 5,853.35                    | 5,883.00                    | 5,885.48                    | 13.64               | 20.82            | 13.64               | 20.82            | -8.44                       | -279.17                | 1,802.14        | 1,148.96                     | 1,114.73                      | 34.22                           | 33.572               |         |                    |
| 6,000.00                    | 5,952.37                    | 5,983.02                    | 5,985.45                    | 13.84               | 21.16            | 13.84               | 21.16            | -8.54                       | -278.88                | 1,799.12        | 1,132.19                     | 1,097.43                      | 34.76                           | 32.574               |         |                    |
| 6,100.00                    | 6,051.40                    | 6,070.36                    | 6,072.76                    | 14.05               | 21.45            | 14.05               | 21.45            | -8.66                       | -278.23                | 1,796.98        | 1,115.95                     | 1,080.68                      | 35.27                           | 31.645               |         |                    |
| 6,200.00                    | 6,150.43                    | 6,157.01                    | 6,159.40                    | 14.25               | 21.74            | 14.25               | 21.74            | -8.81                       | -277.13                | 1,796.04        | 1,100.99                     | 1,065.22                      | 35.76                           | 30.785               |         |                    |
| 6,300.00                    | 6,249.46                    | 6,259.31                    | 6,261.68                    | 14.46               | 22.07            | 14.46               | 22.07            | -9.01                       | -275.44                | 1,795.22        | 1,086.30                     | 1,050.00                      | 36.29                           | 29.931               |         |                    |
| 6,400.00                    | 6,348.48                    | 6,360.04                    | 6,362.40                    | 14.66               | 22.41            | 14.66               | 22.41            | -9.18                       | -274.33                | 1,794.00        | 1,071.26                     | 1,034.43                      | 36.82                           | 29.091               |         |                    |
| 6,500.00                    | 6,447.51                    | 6,460.17                    | 6,462.51                    | 14.86               | 22.74            | 14.86               | 22.74            | -9.35                       | -273.27                | 1,792.87        | 1,056.32                     | 1,018.96                      | 37.36                           | 28.278               |         |                    |
| 6,600.00                    | 6,546.54                    | 6,561.25                    | 6,563.58                    | 15.07               | 23.08            | 15.07               | 23.08            | -9.51                       | -272.56                | 1,791.21        | 1,040.90                     | 1,003.01                      | 37.89                           | 27.471               |         |                    |
| 6,700.00                    | 6,645.56                    | 6,656.96                    | 6,659.28                    | 15.27               | 23.40            | 15.27               | 23.40            | -9.67                       | -271.83                | 1,789.88        | 1,025.75                     | 987.33                        | 38.42                           | 26.700               |         |                    |
| 6,800.00                    | 6,744.59                    | 6,755.93                    | 6,758.23                    | 15.48               | 23.74            | 15.48               | 23.74            | -9.86                       | -270.78                | 1,788.66        | 1,010.74                     | 971.79                        | 38.95                           | 25.951               |         |                    |
| 6,900.00                    | 6,843.62                    | 6,858.61                    | 6,860.89                    | 15.68               | 24.08            | 15.68               | 24.08            | -10.06                      | -269.61                | 1,787.21        | 995.55                       | 956.06                        | 39.49                           | 25.212               |         |                    |
| 7,000.00                    | 6,942.64                    | 6,958.94                    | 6,961.21                    | 15.89               | 24.42            | 15.89               | 24.42            | -10.24                      | -268.97                | 1,785.36        | 979.98                       | 939.96                        | 40.03                           | 24.484               |         |                    |
| 7,100.00                    | 7,041.67                    | 7,052.72                    | 7,054.97                    | 16.09               | 24.75            | 16.09               | 24.75            | -10.39                      | -268.59                | 1,783.78        | 964.60                       | 924.04                        | 40.56                           | 23.785               |         |                    |
| 7,200.00                    | 7,140.70                    | 7,147.62                    | 7,149.87                    | 16.30               | 25.07            | 16.30               | 25.07            | -10.55                      | -268.37                | 1,782.72        | 949.80                       | 908.71                        | 41.09                           | 23.118               |         |                    |
| 7,300.00                    | 7,239.73                    | 7,245.64                    | 7,247.88                    | 16.50               | 25.41            | 16.50               | 25.41            | -10.73                      | -267.82                | 1,781.88        | 935.23                       | 893.61                        | 41.62                           | 22.469               |         |                    |
| 7,400.00                    | 7,338.75                    | 7,338.69                    | 7,340.93                    | 16.71               | 25.73            | 16.71               | 25.73            | -10.87                      | -268.02                | 1,781.28        | 920.93                       | 878.78                        | 42.15                           | 21.847               |         |                    |
| 7,500.00                    | 7,437.83                    | 7,438.48                    | 7,440.72                    | 16.89               | 26.09            | 16.89               | 26.09            | -10.99                      | -268.32                | 1,781.13        | 907.51                       | 864.84                        | 42.68                           | 21.264               |         |                    |
| 7,600.00                    | 7,537.20                    | 7,535.51                    | 7,537.75                    | 17.07               | 26.42            | 17.07               | 26.42            | -11.07                      | -268.66                | 1,780.84        | 896.25                       | 853.03                        | 43.22                           | 20.737               |         |                    |
| 7,700.00                    | 7,636.83                    | 7,631.66                    | 7,633.90                    | 17.24               | 26.75            | 17.24               | 26.75            | -11.13                      | -268.89                | 1,780.97        | 887.97                       | 844.23                        | 43.74                           | 20.299               |         |                    |
| 7,800.00                    | 7,736.65                    | 7,730.97                    | 7,733.21                    | 17.38               | 27.10            | 17.38               | 27.10            | -11.15                      | -269.60                | 1,781.32        | 882.49                       | 838.22                        | 44.27                           | 19.935               |         |                    |
| 7,900.00                    | 7,836.59                    | 7,829.73                    | 7,831.96                    | 17.51               | 27.45            | 17.51               | 27.45            | -11.13                      | -270.36                | 1,781.72        | 879.64                       | 834.86                        | 44.78                           | 19.644               |         |                    |
| 7,955.76                    | 7,892.34                    | 7,882.28                    | 7,884.50                    | 17.54               | 27.63            | 17.54               | 27.63            | -11.11                      | -270.93                | 1,782.05        | 879.22                       | 834.22                        | 45.00                           | 19.538               | CC, ES  |                    |
| 8,000.00                    | 7,936.58                    | 7,923.58                    | 7,925.80                    | 17.56               | 27.77            | 17.56               | 27.77            | 92.95                       | -271.23                | 1,782.47        | 879.70                       | 834.53                        | 45.17                           | 19.474               |         |                    |
| 8,100.00                    | 8,036.58                    | 8,026.35                    | 8,028.56                    | 17.60               | 28.13            | 17.60               | 28.13            | 92.99                       | -271.97                | 1,783.59        | 880.83                       | 835.27                        | 45.57                           | 19.331               |         |                    |
| 8,200.00                    | 8,136.58                    | 8,122.00                    | 8,124.21                    | 17.64               | 28.46            | 17.64               | 28.46            | 93.01                       | -272.32                | 1,784.68        | 881.99                       | 836.05                        | 45.94                           | 19.200               |         |                    |
| 8,300.00                    | 8,236.58                    | 8,222.74                    | 8,224.94                    | 17.68               | 28.80            | 17.68               | 28.80            | 93.01                       | -272.33                | 1,786.04        | 883.34                       | 837.02                        | 46.32                           | 19.071               |         |                    |
| 8,400.00                    | 8,336.58                    | 8,318.96                    | 8,321.15                    | 17.72               | 29.13            | 17.72               | 29.13            | 93.01                       | -272.49                | 1,787.51        | 884.86                       | 838.18                        | 46.69                           | 18.953               |         |                    |
| 8,500.00                    | 8,436.58                    | 8,414.65                    | 8,416.82                    | 17.77               | 29.46            | 17.77               | 29.46            | 92.97                       | -271.99                | 1,789.46        | 886.88                       | 839.82                        | 47.05                           | 18.849               |         |                    |
| 8,600.00                    | 8,536.58                    | 8,515.36                    | 8,517.50                    | 17.81               | 29.79            | 17.81               | 29.79            | 92.89                       | -270.84                | 1,791.75        | 889.09                       | 841.66                        | 47.43                           | 18.745               |         |                    |
| 8,700.00                    | 8,636.58                    | 8,617.33                    | 8,619.43                    | 17.85               | 30.13            | 17.85               | 30.13            | 92.77                       | -269.05                | 1,793.87        | 891.07                       | 843.26                        | 47.81                           | 18.637               |         |                    |
| 8,800.00                    | 8,736.58                    | 8,715.72                    | 8,717.78                    | 17.89               | 30.47            | 17.89               | 30.47            | 92.69                       | -267.98                | 1,795.90        | 893.09                       | 844.90                        | 48.18                           | 18.535               |         |                    |
| 8,900.00                    | 8,836.58                    | 8,815.07                    | 8,817.11                    | 17.93               | 30.80            | 17.93               | 30.80            | 92.64                       | -267.25                | 1,798.11        | 895.27                       | 846.71                        | 48.56                           | 18.436               |         |                    |
| 9,000.00                    | 8,936.58                    | 8,914.97                    | 8,916.98                    | 17.98               | 31.14            | 17.98               | 31.14            | 92.57                       | -266.19                | 1,800.28        | 897.39                       | 848.45                        | 48.94                           | 18.337               |         |                    |
| 9,100.00                    | 9,036.58                    | 9,014.33                    | 9,016.31                    | 18.02               | 31.48            | 18.02               | 31.48            | 92.53                       | -265.75                | 1,802.55        | 899.66                       | 850.34                        | 49.32                           | 18.241               |         |                    |
| 9,200.00                    | 9,136.58                    | 9,111.77                    | 9,113.73                    | 18.06               | 31.82            | 18.06               | 31.82            | 92.53                       | -265.88                | 1,804.81        | 901.98                       | 852.28                        | 49.70                           | 18.150               |         |                    |
| 9,300.00                    | 9,236.58                    | 9,207.65                    | 9,209.56                    | 18.11               | 32.15            | 18.11               | 32.15            | 92.57                       | -266.50                | 1,807.44        | 904.75                       | 854.68                        | 50.07                           | 18.070               |         |                    |
| 9,400.00                    | 9,336.58                    | 9,303.21                    | 9,305.08                    | 18.15               | 32.48            | 18.15               | 32.48            | 92.63                       | -267.61                | 1,810.47        | 907.97                       | 857.52                        | 50.44                           | 18.000               |         |                    |
| 9,500.00                    | 9,436.58                    | 9,419.83                    | 9,421.63                    | 18.20               | 32.89            | 18.20               | 32.89            | 92.70                       | -268.97                | 1,813.80        | 910.94                       | 860.05                        | 50.89                           | 17.899               |         |                    |
| 9,600.00                    | 9,536.58                    | 9,528.49                    | 9,530.28                    | 18.24               | 33.27            | 18.24               | 33.27            | 92.73                       | -269.38                | 1,814.93        | 911.98                       | 860.68                        | 51.31                           | 17.774               |         |                    |
| 9,700.00                    | 9,636.58                    | 9,624.61                    | 9,626.40                    | 18.29               | 33.60            | 18.29               | 33.60            | 92.72                       | -269.34                | 1,815.80        | 912.88                       | 861.20                        | 51.68                           | 17.663               |         |                    |
| 9,800.00                    | 9,736.58                    | 9,718.57                    | 9,720.35                    | 18.33               | 33.92            | 18.33               | 33.92            | 92.72                       | -269.39                | 1,817.16        | 914.34                       | 862.28                        | 52.05                           | 17.565               |         |                    |
| 9,900.00                    | 9,836.58                    | 9,816.33                    | 9,818.10                    | 18.38               | 34.26            | 18.38               | 34.26            | 92.74                       | -269.73                | 1,819.01        | 916.24                       | 863.81                        | 52.44                           | 17.473               |         |                    |
| 10,000.00                   | 9,936.58                    | 9,916.74                    | 9,918.48                    | 18.43               | 34.62            | 18.43               | 34.62            | 92.82                       | -271.20                | 1,820.93        | 918.22                       | 865.39                        | 52.83                           | 17.380               |         |                    |
| 10,100.00                   | 10,036.58                   | 10,017.29                   | 10,018.97                   | 18.47               | 34.98            | 18.47               | 34.98            | 92.97                       | -273.64                | 1,822.87        | 920.27                       | 867.04                        | 53.23                           | 17.288               |         |                    |
| 10,200.00                   | 10,136.58                   | 10,129.68                   | 10,131.32                   | 18.52               | 35.38            | 18.52               | 35.38            | 93.16                       | -276.84                | 1,824.12        | 921.54                       | 867.87                        | 53.68                           | 17.169               |         |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - (O) Cosmo K Fee #223H - OH - OH

| Survey Program: 146-3_MWD |                       |                       |                       |                  |               |                       | Rule Assigned:         |              |                        |                         |                           | Offset Well Error: |         | 0.00 usft |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|---------|-----------|
| Reference                 |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor  | Warning |           |
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                    |         |           |
| 10,300.00                 | 10,236.58             | 10,255.18             | 10,256.72             | 18.57            | 35.83         | 93.44                 | -281.23                | 1,823.16     | 921.04                 | 866.89                  | 54.15                     | 17.009             |         |           |
| 10,400.00                 | 10,336.58             | 10,368.63             | 10,370.06             | 18.61            | 36.23         | 93.66                 | -284.56                | 1,819.41     | 917.89                 | 863.31                  | 54.58                     | 16.817             |         |           |
| 10,500.00                 | 10,436.58             | 10,468.29             | 10,469.62             | 18.66            | 36.58         | 93.85                 | -287.31                | 1,815.57     | 914.23                 | 859.25                  | 54.98                     | 16.628             |         |           |
| 10,600.00                 | 10,536.58             | 10,557.18             | 10,558.41             | 18.71            | 36.90         | 94.04                 | -290.23                | 1,812.68     | 911.21                 | 855.86                  | 55.35                     | 16.462             |         |           |
| 10,700.00                 | 10,636.58             | 10,649.40             | 10,650.56             | 18.76            | 37.23         | 94.24                 | -293.23                | 1,810.67     | 909.26                 | 853.52                  | 55.74                     | 16.313             |         |           |
| 10,764.21                 | 10,700.67             | 10,708.16             | 10,709.29             | 18.80            | 37.44         | 95.09                 | -294.90                | 1,809.80     | 908.76                 | 852.80                  | 55.95                     | 16.242             |         |           |
| 10,800.00                 | 10,736.14             | 10,740.57             | 10,741.68             | 18.83            | 37.56         | 95.39                 | -295.82                | 1,809.47     | 908.89                 | 852.82                  | 56.07                     | 16.210             |         |           |
| 10,900.00                 | 10,832.81             | 10,836.37             | 10,837.44             | 18.88            | 37.90         | 96.82                 | -298.28                | 1,808.74     | 911.15                 | 854.77                  | 56.38                     | 16.161             |         |           |
| 11,000.00                 | 10,923.66             | 10,926.16             | 10,927.23             | 18.91            | 38.22         | 98.66                 | -299.72                | 1,808.14     | 916.85                 | 860.19                  | 56.67                     | 16.180             |         |           |
| 11,100.00                 | 11,005.93             | 11,008.33             | 11,009.39             | 18.96            | 38.51         | 100.46                | -300.37                | 1,807.70     | 927.88                 | 870.92                  | 56.96                     | 16.289             |         |           |
| 11,200.00                 | 11,077.11             | 11,078.36             | 11,079.41             | 19.07            | 38.76         | 101.66                | -301.22                | 1,807.23     | 946.25                 | 888.95                  | 57.31                     | 16.513             |         |           |
| 11,300.00                 | 11,135.05             | 11,130.00             | 11,131.05             | 19.25            | 38.94         | 101.42                | -301.97                | 1,806.89     | 973.75                 | 916.03                  | 57.71                     | 16.872             |         |           |
| 11,400.00                 | 11,177.98             | 11,168.02             | 11,169.07             | 19.50            | 39.07         | 99.53                 | -302.54                | 1,806.81     | 1,011.35               | 953.14                  | 58.21                     | 17.375             |         |           |
| 11,500.00                 | 11,204.59             | 11,188.93             | 11,189.97             | 19.84            | 39.15         | 95.45                 | -302.83                | 1,806.93     | 1,058.65               | 999.90                  | 58.75                     | 18.019             |         |           |
| 11,600.00                 | 11,214.09             | 11,195.69             | 11,196.73             | 20.26            | 39.17         | 89.23                 | -302.92                | 1,806.99     | 1,114.02               | 1,054.71                | 59.31                     | 18.783             |         |           |
| 11,700.00                 | 11,213.30             | 11,193.92             | 11,194.96             | 20.76            | 39.17         | 88.42                 | -302.90                | 1,806.97     | 1,175.43               | 1,115.57                | 59.86                     | 19.638             |         |           |
| 11,800.00                 | 11,212.44             | 11,192.08             | 11,193.12             | 21.31            | 39.16         | 88.30                 | -302.87                | 1,806.95     | 1,241.86               | 1,181.48                | 60.38                     | 20.567             |         |           |
| 11,900.00                 | 11,211.57             | 11,190.22             | 11,191.26             | 21.92            | 39.15         | 88.19                 | -302.85                | 1,806.94     | 1,312.55               | 1,251.68                | 60.87                     | 21.563             |         |           |
| 12,000.00                 | 11,210.70             | 11,188.35             | 11,189.39             | 22.59            | 39.15         | 88.07                 | -302.82                | 1,806.92     | 1,386.85               | 1,325.53                | 61.32                     | 22.617             |         |           |
| 12,100.00                 | 11,209.84             | 11,186.48             | 11,187.52             | 23.31            | 39.14         | 87.95                 | -302.79                | 1,806.91     | 1,464.21               | 1,402.49                | 61.73                     | 23.721             |         |           |
| 12,200.00                 | 11,208.97             | 11,184.59             | 11,185.63             | 24.07            | 39.13         | 87.83                 | -302.77                | 1,806.89     | 1,544.17               | 1,482.08                | 62.09                     | 24.869             |         |           |
| 12,300.00                 | 11,208.10             | 11,182.69             | 11,183.73             | 24.88            | 39.13         | 87.71                 | -302.74                | 1,806.88     | 1,626.35               | 1,563.93                | 62.42                     | 26.053             |         |           |
| 12,400.00                 | 11,207.24             | 11,180.79             | 11,181.83             | 25.73            | 39.12         | 87.59                 | -302.72                | 1,806.87     | 1,710.42               | 1,647.70                | 62.72                     | 27.269             |         |           |
| 12,500.00                 | 11,206.37             | 11,178.87             | 11,179.91             | 26.63            | 39.11         | 87.47                 | -302.69                | 1,806.86     | 1,796.13               | 1,733.14                | 62.99                     | 28.513             |         |           |
| 12,600.00                 | 11,205.50             | 11,176.94             | 11,177.98             | 27.55            | 39.11         | 87.34                 | -302.66                | 1,806.85     | 1,883.24               | 1,820.00                | 63.24                     | 29.780             |         |           |
| 12,700.00                 | 11,204.64             | 11,175.00             | 11,176.04             | 28.51            | 39.10         | 87.22                 | -302.64                | 1,806.84     | 1,971.57               | 1,908.11                | 63.46                     | 31.068             |         |           |
| 12,800.00                 | 11,203.77             | 14,385.36             | 12,931.92             | 29.51            | 52.38         | 150.09                | 1,445.20               | 1,883.08     | 1,996.21               | 1,933.89                | 62.32                     | 32.031             |         |           |
| 12,900.00                 | 11,202.90             | 14,478.43             | 12,933.57             | 30.52            | 53.16         | 149.95                | 1,538.04               | 1,889.32     | 2,002.30               | 1,939.11                | 63.19                     | 31.686             |         |           |
| 13,000.00                 | 11,202.04             | 14,637.78             | 12,936.57             | 31.57            | 54.58         | 149.79                | 1,697.17               | 1,896.90     | 2,007.68               | 1,943.20                | 64.47                     | 31.139             |         |           |
| 13,100.00                 | 11,201.17             | 14,747.25             | 12,937.08             | 32.64            | 55.60         | 149.73                | 1,806.61               | 1,899.40     | 2,010.38               | 1,944.87                | 65.51                     | 30.690             |         |           |
| 13,200.00                 | 11,200.30             | 14,827.69             | 12,938.81             | 33.72            | 56.38         | 149.73                | 1,887.03               | 1,899.98     | 2,013.79               | 1,947.41                | 66.38                     | 30.336             |         |           |
| 13,300.00                 | 11,199.44             | 14,943.91             | 12,942.63             | 34.83            | 57.54         | 149.78                | 2,003.19               | 1,899.78     | 2,017.79               | 1,950.31                | 67.49                     | 29.900             |         |           |
| 13,400.00                 | 11,198.57             | 15,057.00             | 12,944.27             | 35.95            | 58.71         | 149.82                | 2,116.26               | 1,898.56     | 2,019.57               | 1,950.97                | 68.61                     | 29.437             |         |           |
| 13,500.00                 | 11,197.70             | 15,113.91             | 12,945.78             | 37.10            | 59.32         | 149.86                | 2,173.14               | 1,897.54     | 2,022.57               | 1,953.17                | 69.40                     | 29.143             |         |           |
| 13,600.00                 | 11,196.84             | 15,315.37             | 12,952.06             | 38.25            | 61.52         | 150.07                | 2,374.34               | 1,892.05     | 2,025.52               | 1,954.42                | 71.09                     | 28.491             |         |           |
| 13,700.00                 | 11,195.97             | 15,423.13             | 12,952.36             | 39.42            | 62.73         | 150.17                | 2,482.01               | 1,887.86     | 2,025.01               | 1,952.77                | 72.25                     | 28.029             |         |           |
| 13,766.54                 | 11,195.39             | 15,473.89             | 12,952.63             | 40.20            | 63.31         | 150.22                | 2,532.72               | 1,885.66     | 2,024.69               | 1,951.80                | 72.89                     | 27.777             |         |           |
| 13,800.00                 | 11,195.10             | 15,497.13             | 12,952.93             | 40.60            | 63.58         | 150.25                | 2,555.94               | 1,884.69     | 2,024.77               | 1,951.57                | 73.20                     | 27.661             |         |           |
| 13,900.00                 | 11,194.24             | 15,600.36             | 12,954.81             | 41.79            | 64.79         | 150.36                | 2,659.07               | 1,880.60     | 2,025.59               | 1,951.23                | 74.35                     | 27.242             |         |           |
| 14,000.00                 | 11,193.37             | 15,688.85             | 12,956.05             | 42.99            | 65.84         | 150.46                | 2,747.48               | 1,877.04     | 2,026.03               | 1,950.59                | 75.43                     | 26.858             |         |           |
| 14,100.00                 | 11,192.50             | 15,791.61             | 12,958.46             | 44.21            | 67.08         | 150.59                | 2,850.11               | 1,872.55     | 2,027.11               | 1,950.50                | 76.61                     | 26.459             |         |           |
| 14,200.00                 | 11,191.64             | 15,912.88             | 12,960.28             | 45.43            | 68.57         | 150.74                | 2,971.25               | 1,867.09     | 2,027.40               | 1,949.46                | 77.94                     | 26.013             |         |           |
| 14,300.00                 | 11,190.77             | 16,034.32             | 12,960.58             | 46.66            | 70.09         | 150.87                | 3,092.56               | 1,861.80     | 2,026.67               | 1,947.37                | 79.30                     | 25.556             |         |           |
| 14,400.00                 | 11,189.91             | 16,150.40             | 12,959.26             | 47.89            | 71.56         | 150.96                | 3,208.54               | 1,856.96     | 2,024.81               | 1,944.14                | 80.67                     | 25.100             |         |           |
| 14,500.00                 | 11,189.04             | 16,222.22             | 12,957.91             | 49.14            | 72.49         | 150.98                | 3,280.31               | 1,854.94     | 2,023.10               | 1,941.34                | 81.75                     | 24.746             |         |           |
| 14,600.00                 | 11,188.17             | 16,433.86             | 12,950.60             | 50.39            | 75.26         | 150.96                | 3,491.56               | 1,850.89     | 2,021.10               | 1,937.11                | 83.99                     | 24.064             |         |           |
| 14,700.00                 | 11,187.31             | 16,514.55             | 12,945.03             | 51.64            | 76.34         | 150.90                | 3,572.06               | 1,850.04     | 2,015.66               | 1,930.38                | 85.27                     | 23.638             |         |           |
| 14,800.00                 | 11,186.44             | 16,600.47             | 12,939.33             | 52.91            | 77.49         | 150.84                | 3,657.78               | 1,848.73     | 2,010.36               | 1,923.75                | 86.60                     | 23.214             |         |           |
| 14,900.00                 | 11,185.57             | 16,665.00             | 12,936.54             | 54.17            | 78.36         | 150.82                | 3,722.24               | 1,847.73     | 2,006.88               | 1,919.14                | 87.74                     | 22.872             |         |           |
| 15,000.00                 | 11,184.71             | 16,752.31             | 12,933.91             | 55.44            | 79.54         | 150.81                | 3,809.50               | 1,846.48     | 2,004.69               | 1,915.61                | 89.08                     | 22.506             |         |           |
| 15,100.00                 | 11,183.84             | 16,816.89             | 12,932.28             | 56.72            | 80.42         | 150.79                | 3,874.05               | 1,845.94     | 2,003.31               | 1,913.09                | 90.23                     | 22.203             |         |           |
| 15,121.34                 | 11,183.65             | 16,829.93             | 12,932.08             | 56.99            | 80.60         | 150.79                | 3,887.10               | 1,845.94     | 2,003.27               | 1,912.80                | 90.46                     | 22.144             |         |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

**Offset Design:** Coonskin Fee Pad - (O) Cosmo K Fee #223H - OH - OH

| Survey Program: 146-3_MWD |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |           |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|-----------|
| Reference                 |                       |                       |                       | Offset           |               | Semi Major Axis       |              |              |                        | Rule Assigned:          |                           |                   | Offset Well Error: |           | 0.00 usft |
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |           |
| 15,200.00                 | 11,182.97             | 16,882.86             | 12,931.66             | 58.00            | 81.32         | 150.77                | 3,940.02     | 1,846.21     | 2,003.82               | 1,912.43                | 91.39                     | 21.926            |                    |           |           |
| 15,300.00                 | 11,182.11             | 16,967.14             | 12,932.12             | 59.29            | 82.48         | 150.76                | 4,024.30     | 1,846.71     | 2,005.73               | 1,913.01                | 92.72                     | 21.632            |                    |           |           |
| 15,400.00                 | 11,181.24             | 17,135.61             | 12,927.67             | 60.57            | 84.80         | 150.56                | 4,192.62     | 1,851.46     | 2,005.91               | 1,910.88                | 95.04                     | 21.107            |                    |           |           |
| 15,500.00                 | 11,180.37             | 17,236.02             | 12,923.00             | 61.87            | 86.21         | 150.41                | 4,292.88     | 1,854.50     | 2,004.54               | 1,907.83                | 96.71                     | 20.728            |                    |           |           |
| 15,600.00                 | 11,179.51             | 17,345.94             | 12,918.00             | 63.16            | 87.75         | 150.26                | 4,402.64     | 1,857.12     | 2,002.94               | 1,904.46                | 98.48                     | 20.339            |                    |           |           |
| 15,700.00                 | 11,178.64             | 17,459.76             | 12,913.69             | 64.46            | 89.37         | 150.19                | 4,516.39     | 1,857.10     | 2,000.85               | 1,900.63                | 100.21                    | 19.966            |                    |           |           |
| 15,800.00                 | 11,177.77             | 17,559.02             | 12,909.44             | 65.76            | 90.79         | 150.14                | 4,615.55     | 1,856.54     | 1,998.03               | 1,896.21                | 101.82                    | 19.623            |                    |           |           |
| 15,900.00                 | 11,176.91             | 17,636.03             | 12,907.09             | 67.06            | 91.89         | 150.11                | 4,692.52     | 1,855.81     | 1,996.10               | 1,892.90                | 103.20                    | 19.342            |                    |           |           |
| 16,000.00                 | 11,176.04             | 17,718.86             | 12,906.08             | 68.37            | 93.08         | 150.13                | 4,775.33     | 1,854.42     | 1,995.35               | 1,890.76                | 104.59                    | 19.077            |                    |           |           |
| 16,100.00                 | 11,175.17             | 17,855.56             | 12,903.55             | 69.68            | 95.06         | 150.16                | 4,911.97     | 1,851.16     | 1,993.67               | 1,887.22                | 106.45                    | 18.729            |                    |           |           |
| 16,200.00                 | 11,174.31             | 17,944.04             | 12,901.51             | 70.99            | 96.35         | 150.19                | 5,000.38     | 1,848.55     | 1,991.42               | 1,883.53                | 107.89                    | 18.458            |                    |           |           |
| 16,300.00                 | 11,173.44             | 18,016.24             | 12,900.58             | 72.30            | 97.40         | 150.21                | 5,072.55     | 1,846.83     | 1,990.32               | 1,881.13                | 109.19                    | 18.228            |                    |           |           |
| 16,321.46                 | 11,173.25             | 18,030.73             | 12,900.59             | 72.58            | 97.62         | 150.22                | 5,087.04     | 1,846.42     | 1,990.29               | 1,880.83                | 109.45                    | 18.184            |                    |           |           |
| 16,400.00                 | 11,172.57             | 18,085.13             | 12,901.38             | 73.62            | 98.41         | 150.27                | 5,141.40     | 1,844.46     | 1,990.79               | 1,880.40                | 110.39                    | 18.034            |                    |           |           |
| 16,500.00                 | 11,171.71             | 18,271.00             | 12,901.36             | 74.93            | 101.15        | 150.41                | 5,327.13     | 1,838.29     | 1,990.73               | 1,878.13                | 112.59                    | 17.681            |                    |           |           |
| 16,600.00                 | 11,170.84             | 18,327.46             | 12,900.15             | 76.25            | 101.99        | 150.43                | 5,383.54     | 1,836.38     | 1,988.52               | 1,874.76                | 113.77                    | 17.479            |                    |           |           |
| 16,623.94                 | 11,170.63             | 18,339.30             | 12,900.17             | 76.57            | 102.16        | 150.45                | 5,395.37     | 1,835.90     | 1,988.38               | 1,874.36                | 114.02                    | 17.439            |                    |           |           |
| 16,700.00                 | 11,169.97             | 18,425.25             | 12,901.17             | 77.57            | 103.44        | 150.54                | 5,481.24     | 1,832.42     | 1,988.60               | 1,873.40                | 115.20                    | 17.263            |                    |           |           |
| 16,800.00                 | 11,169.11             | 18,525.10             | 12,899.67             | 78.90            | 104.92        | 150.57                | 5,581.05     | 1,830.01     | 1,987.28               | 1,870.52                | 116.76                    | 17.020            |                    |           |           |
| 16,861.38                 | 11,168.58             | 18,570.90             | 12,899.21             | 79.71            | 105.60        | 150.57                | 5,626.84     | 1,829.34     | 1,987.04               | 1,869.44                | 117.60                    | 16.897            |                    |           |           |
| 16,900.00                 | 11,168.24             | 18,599.10             | 12,899.11             | 80.22            | 106.02        | 150.58                | 5,655.04     | 1,828.99     | 1,987.14               | 1,869.03                | 118.11                    | 16.825            |                    |           |           |
| 17,000.00                 | 11,167.37             | 18,718.22             | 12,899.47             | 81.55            | 107.80        | 150.65                | 5,774.09     | 1,825.86     | 1,987.32               | 1,867.51                | 119.81                    | 16.588            |                    |           |           |
| 17,100.00                 | 11,166.51             | 18,839.00             | 12,900.27             | 82.87            | 109.62        | 150.85                | 5,894.58     | 1,817.77     | 1,985.68               | 1,864.38                | 121.30                    | 16.370            |                    |           |           |
| 17,129.20                 | 11,166.26             | 18,839.00             | 12,900.27             | 83.26            | 109.62        | 150.85                | 5,894.58     | 1,817.77     | 1,985.47               | 1,863.98                | 121.49                    | 16.343            |                    |           |           |
| 17,200.00                 | 11,165.64             | 18,878.76             | 12,901.79             | 84.20            | 110.22        | 150.96                | 5,934.15     | 1,814.18     | 1,985.77               | 1,863.63                | 122.14                    | 16.258            |                    |           |           |
| 17,300.00                 | 11,164.77             | 18,933.00             | 12,906.28             | 85.53            | 111.04        | 151.16                | 5,987.92     | 1,808.69     | 1,988.93               | 1,866.02                | 122.91                    | 16.182            |                    |           |           |
| 17,400.00                 | 11,163.91             | 19,037.41             | 12,916.81             | 86.86            | 112.63        | 151.59                | 6,091.11     | 1,796.83     | 1,993.58               | 1,869.76                | 123.83                    | 16.100            |                    |           |           |
| 17,500.00                 | 11,163.04             | 19,102.74             | 12,923.82             | 88.19            | 113.62        | 151.89                | 6,155.56     | 1,788.74     | 1,998.32               | 1,873.83                | 124.50                    | 16.051            |                    |           |           |
| 17,600.00                 | 11,162.18             | 19,191.00             | 12,934.55             | 89.53            | 114.97        | 152.31                | 6,242.41     | 1,777.27     | 2,004.21               | 1,879.02                | 125.19                    | 16.010            | SF                 |           |           |
| 17,700.00                 | 11,161.31             | 19,191.00             | 12,934.55             | 90.86            | 114.97        | 152.31                | 6,242.41     | 1,777.27     | 2,012.82               | 1,887.43                | 125.39                    | 16.052            |                    |           |           |
| 17,800.00                 | 11,160.44             | 19,191.00             | 12,934.55             | 92.20            | 114.97        | 152.31                | 6,242.41     | 1,777.27     | 2,026.33               | 1,900.94                | 125.39                    | 16.160            |                    |           |           |
| 17,900.00                 | 11,159.58             | 19,191.00             | 12,934.55             | 93.53            | 114.97        | 152.31                | 6,242.41     | 1,777.27     | 2,044.66               | 1,919.46                | 125.20                    | 16.332            |                    |           |           |
| 18,000.00                 | 11,158.71             | 19,191.00             | 12,934.55             | 94.87            | 114.97        | 152.31                | 6,242.41     | 1,777.27     | 2,067.66               | 1,942.84                | 124.82                    | 16.565            |                    |           |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - Coonskin Fee 152H - OH - Plan #1

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

| Reference                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |
| 0.00                        | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | 180.00                      | -25.00                 | 0.00            | 25.00                        |                               |                                 |                      |         |
| 100.00                      | 100.00                      | 100.00                      | 100.00                      | 0.84                | 0.84             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 23.31                         | 1.69                            | 14.808               |         |
| 200.00                      | 200.00                      | 200.00                      | 200.00                      | 1.48                | 1.48             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 22.04                         | 2.96                            | 8.452                |         |
| 300.00                      | 300.00                      | 300.00                      | 300.00                      | 1.92                | 1.92             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 21.17                         | 3.83                            | 6.521                |         |
| 400.00                      | 400.00                      | 400.00                      | 400.00                      | 2.28                | 2.28             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 20.45                         | 4.55                            | 5.494                |         |
| 500.00                      | 500.00                      | 500.00                      | 500.00                      | 2.59                | 2.59             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 19.83                         | 5.17                            | 4.833                |         |
| 600.00                      | 600.00                      | 600.00                      | 600.00                      | 2.87                | 2.87             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 19.27                         | 5.73                            | 4.360                |         |
| 700.00                      | 700.00                      | 700.00                      | 700.00                      | 3.12                | 3.12             | 180.00                      | -25.00                 | 0.00            | 25.00                        | 18.75                         | 6.25                            | 4.001                |         |
| 778.29                      | 778.29                      | 778.23                      | 778.23                      | 3.21                | 3.21             | 76.63                       | -25.03                 | 0.10            | 24.94                        | 18.53                         | 6.41                            | 3.890                | CC      |
| 800.00                      | 800.00                      | 799.89                      | 799.89                      | 3.23                | 3.23             | 75.99                       | -25.11                 | 0.31            | 25.03                        | 18.57                         | 6.46                            | 3.877                |         |
| 900.00                      | 899.96                      | 899.67                      | 899.63                      | 3.51                | 3.51             | 76.16                       | -25.98                 | 2.76            | 25.27                        | 18.37                         | 6.90                            | 3.663                | ES      |
| 1,000.00                    | 999.82                      | 999.45                      | 999.27                      | 3.77                | 3.77             | 76.50                       | -27.73                 | 7.67            | 25.75                        | 18.43                         | 7.32                            | 3.518                |         |
| 1,100.00                    | 1,099.51                    | 1,099.23                    | 1,098.74                    | 4.03                | 4.02             | 76.98                       | -30.34                 | 15.03           | 26.47                        | 18.75                         | 7.73                            | 3.426                |         |
| 1,200.00                    | 1,198.96                    | 1,199.00                    | 1,197.97                    | 4.27                | 4.26             | 77.58                       | -33.83                 | 24.84           | 27.44                        | 19.31                         | 8.13                            | 3.376                |         |
| 1,300.00                    | 1,298.11                    | 1,298.81                    | 1,296.93                    | 4.44                | 4.43             | 78.27                       | -38.17                 | 37.06           | 28.64                        | 20.23                         | 8.41                            | 3.407                |         |
| 1,400.00                    | 1,397.13                    | 1,398.80                    | 1,395.95                    | 4.63                | 4.62             | 78.92                       | -42.83                 | 50.16           | 29.94                        | 21.13                         | 8.81                            | 3.399                |         |
| 1,500.00                    | 1,496.16                    | 1,498.79                    | 1,494.97                    | 4.83                | 4.82             | 79.51                       | -47.49                 | 63.27           | 31.25                        | 22.04                         | 9.21                            | 3.392                |         |
| 1,600.00                    | 1,595.19                    | 1,598.78                    | 1,593.98                    | 5.02                | 5.01             | 80.06                       | -52.15                 | 76.38           | 32.56                        | 22.94                         | 9.62                            | 3.386                |         |
| 1,700.00                    | 1,694.21                    | 1,698.77                    | 1,693.00                    | 5.21                | 5.20             | 80.56                       | -56.80                 | 89.49           | 33.87                        | 23.85                         | 10.02                           | 3.380                |         |
| 1,800.00                    | 1,793.24                    | 1,798.76                    | 1,792.02                    | 5.41                | 5.40             | 81.03                       | -61.46                 | 102.60          | 35.18                        | 24.76                         | 10.42                           | 3.375                |         |
| 1,900.00                    | 1,892.27                    | 1,898.76                    | 1,891.04                    | 5.60                | 5.59             | 81.46                       | -66.12                 | 115.70          | 36.49                        | 25.67                         | 10.83                           | 3.371                |         |
| 2,000.00                    | 1,991.30                    | 1,998.75                    | 1,990.06                    | 5.80                | 5.78             | 81.87                       | -70.78                 | 128.81          | 37.81                        | 26.58                         | 11.23                           | 3.367                |         |
| 2,100.00                    | 2,090.32                    | 2,098.74                    | 2,089.08                    | 5.99                | 5.98             | 82.24                       | -75.44                 | 141.92          | 39.13                        | 27.49                         | 11.63                           | 3.363                |         |
| 2,200.00                    | 2,189.35                    | 2,198.73                    | 2,188.09                    | 6.19                | 6.17             | 82.59                       | -80.10                 | 155.03          | 40.45                        | 28.41                         | 12.04                           | 3.360                |         |
| 2,300.00                    | 2,288.38                    | 2,298.72                    | 2,287.11                    | 6.38                | 6.37             | 82.92                       | -84.76                 | 168.14          | 41.77                        | 29.32                         | 12.44                           | 3.357                |         |
| 2,400.00                    | 2,387.40                    | 2,398.71                    | 2,386.13                    | 6.58                | 6.56             | 83.23                       | -89.41                 | 181.25          | 43.09                        | 30.24                         | 12.85                           | 3.354                |         |
| 2,500.00                    | 2,486.43                    | 2,498.70                    | 2,485.15                    | 6.77                | 6.76             | 83.52                       | -94.07                 | 194.35          | 44.41                        | 31.16                         | 13.25                           | 3.351                |         |
| 2,600.00                    | 2,585.46                    | 2,598.69                    | 2,584.17                    | 6.97                | 6.95             | 83.79                       | -98.73                 | 207.46          | 45.74                        | 32.08                         | 13.66                           | 3.349                |         |
| 2,700.00                    | 2,684.48                    | 2,698.68                    | 2,683.19                    | 7.16                | 7.15             | 84.05                       | -103.39                | 220.57          | 47.07                        | 33.00                         | 14.06                           | 3.347                |         |
| 2,800.00                    | 2,783.51                    | 2,798.67                    | 2,782.21                    | 7.36                | 7.34             | 84.30                       | -108.05                | 233.68          | 48.39                        | 33.92                         | 14.47                           | 3.345                |         |
| 2,900.00                    | 2,882.54                    | 2,898.67                    | 2,881.22                    | 7.56                | 7.54             | 84.53                       | -112.71                | 246.79          | 49.72                        | 34.85                         | 14.87                           | 3.343                |         |
| 3,000.00                    | 2,981.57                    | 2,998.66                    | 2,980.24                    | 7.76                | 7.74             | 84.75                       | -117.37                | 259.89          | 51.05                        | 35.77                         | 15.28                           | 3.341                |         |
| 3,100.00                    | 3,080.59                    | 3,098.65                    | 3,079.26                    | 7.95                | 7.94             | 84.95                       | -122.03                | 273.00          | 52.38                        | 36.69                         | 15.69                           | 3.339                |         |
| 3,200.00                    | 3,179.62                    | 3,198.64                    | 3,178.28                    | 8.15                | 8.13             | 85.15                       | -126.68                | 286.11          | 53.71                        | 37.62                         | 16.09                           | 3.338                |         |
| 3,300.00                    | 3,278.65                    | 3,298.63                    | 3,277.30                    | 8.35                | 8.33             | 85.34                       | -131.34                | 299.22          | 55.04                        | 38.54                         | 16.50                           | 3.336                |         |
| 3,400.00                    | 3,377.67                    | 3,398.62                    | 3,376.32                    | 8.55                | 8.53             | 85.52                       | -136.00                | 312.33          | 56.37                        | 39.46                         | 16.90                           | 3.335                |         |
| 3,500.00                    | 3,476.70                    | 3,498.61                    | 3,475.34                    | 8.75                | 8.73             | 85.69                       | -140.66                | 325.43          | 57.70                        | 40.39                         | 17.31                           | 3.334                |         |
| 3,600.00                    | 3,575.73                    | 3,598.60                    | 3,574.35                    | 8.95                | 8.94             | 85.85                       | -145.32                | 338.54          | 59.03                        | 41.32                         | 17.71                           | 3.332                |         |
| 3,700.00                    | 3,674.75                    | 3,698.59                    | 3,673.37                    | 9.15                | 9.14             | 86.01                       | -149.98                | 351.65          | 60.36                        | 42.24                         | 18.12                           | 3.331                |         |
| 3,800.00                    | 3,773.78                    | 3,798.58                    | 3,772.39                    | 9.36                | 9.34             | 86.16                       | -154.64                | 364.76          | 61.70                        | 43.17                         | 18.53                           | 3.330                |         |
| 3,900.00                    | 3,872.81                    | 3,898.58                    | 3,871.41                    | 9.56                | 9.54             | 86.30                       | -159.29                | 377.87          | 63.03                        | 44.10                         | 18.93                           | 3.329                |         |
| 4,000.00                    | 3,971.84                    | 3,998.57                    | 3,970.43                    | 9.76                | 9.74             | 86.44                       | -163.95                | 390.98          | 64.36                        | 45.02                         | 19.34                           | 3.328                |         |
| 4,100.00                    | 4,070.86                    | 4,098.56                    | 4,069.45                    | 9.96                | 9.95             | 86.57                       | -168.61                | 404.08          | 65.70                        | 45.95                         | 19.75                           | 3.327                |         |
| 4,200.00                    | 4,169.89                    | 4,198.55                    | 4,168.47                    | 10.17               | 10.15            | 86.70                       | -173.27                | 417.19          | 67.03                        | 46.88                         | 20.15                           | 3.326                |         |
| 4,300.00                    | 4,268.92                    | 4,298.54                    | 4,267.48                    | 10.37               | 10.35            | 86.82                       | -177.93                | 430.30          | 68.36                        | 47.81                         | 20.56                           | 3.325                |         |
| 4,400.00                    | 4,367.94                    | 4,398.53                    | 4,366.50                    | 10.57               | 10.56            | 86.93                       | -182.59                | 443.41          | 69.70                        | 48.74                         | 20.96                           | 3.325                |         |
| 4,500.00                    | 4,466.97                    | 4,498.52                    | 4,465.52                    | 10.78               | 10.76            | 87.05                       | -187.25                | 456.52          | 71.03                        | 49.66                         | 21.37                           | 3.324                |         |
| 4,600.00                    | 4,566.00                    | 4,598.51                    | 4,564.54                    | 10.98               | 10.97            | 87.15                       | -191.90                | 469.62          | 72.37                        | 50.59                         | 21.78                           | 3.323                |         |
| 4,700.00                    | 4,665.02                    | 4,698.50                    | 4,663.56                    | 11.18               | 11.17            | 87.26                       | -196.56                | 482.73          | 73.71                        | 51.52                         | 22.18                           | 3.322                |         |
| 4,800.00                    | 4,764.05                    | 4,798.49                    | 4,762.58                    | 11.39               | 11.38            | 87.36                       | -201.22                | 495.84          | 75.04                        | 52.45                         | 22.59                           | 3.322                |         |
| 4,900.00                    | 4,863.08                    | 4,898.49                    | 4,861.60                    | 11.59               | 11.58            | 87.46                       | -205.88                | 508.95          | 76.38                        | 53.38                         | 23.00                           | 3.321                |         |
| 5,000.00                    | 4,962.10                    | 4,998.48                    | 4,960.61                    | 11.80               | 11.78            | 87.55                       | -210.54                | 522.06          | 77.71                        | 54.31                         | 23.40                           | 3.321                |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - Coonskin Fee 152H - OH - Plan #1

| Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) |                             |                             |                             |                     |                  | Rule Assigned:              |                        |                 |                              |                               |                                 | Offset Well Error:   |         | 0.00 usft |
|---------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|---------|-----------|
| Reference                                   |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |           |
| Measured<br>Depth<br>(usft)                 | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |         |           |
| 5,100.00                                    | 5,061.13                    | 5,098.47                    | 5,059.63                    | 12.00               | 11.99            | 87.64                       | -215.20                | 535.17          | 79.05                        | 55.24                         | 23.81                           | 3.320                | SF      |           |
| 5,200.00                                    | 5,160.16                    | 5,198.65                    | 5,158.93                    | 12.20               | 12.16            | 88.19                       | -219.65                | 547.68          | 80.30                        | 56.11                         | 24.19                           | 3.320                |         |           |
| 5,300.00                                    | 5,259.19                    | 5,298.82                    | 5,258.52                    | 12.41               | 12.35            | 90.49                       | -223.26                | 557.85          | 81.30                        | 56.72                         | 24.59                           | 3.307                |         |           |
| 5,400.00                                    | 5,358.21                    | 5,398.76                    | 5,358.12                    | 12.61               | 12.52            | 94.54                       | -225.99                | 565.53          | 82.35                        | 57.37                         | 24.98                           | 3.297                |         |           |
| 5,500.00                                    | 5,457.24                    | 5,498.34                    | 5,457.54                    | 12.82               | 12.68            | 100.23                      | -227.84                | 570.74          | 83.97                        | 58.61                         | 25.36                           | 3.311                |         |           |
| 5,600.00                                    | 5,556.27                    | 5,597.41                    | 5,556.56                    | 13.02               | 12.82            | 107.28                      | -228.82                | 573.50          | 86.88                        | 61.16                         | 25.72                           | 3.378                |         |           |
| 5,700.00                                    | 5,655.29                    | 5,696.14                    | 5,655.29                    | 13.23               | 12.87            | 115.19                      | -229.00                | 574.00          | 91.83                        | 65.81                         | 26.01                           | 3.530                |         |           |
| 5,800.00                                    | 5,754.32                    | 5,795.17                    | 5,754.32                    | 13.43               | 12.92            | 122.48                      | -229.00                | 574.00          | 98.60                        | 72.30                         | 26.30                           | 3.749                |         |           |
| 5,900.00                                    | 5,853.35                    | 5,894.20                    | 5,853.35                    | 13.64               | 12.97            | 128.75                      | -229.00                | 574.00          | 106.77                       | 80.20                         | 26.58                           | 4.018                |         |           |
| 6,000.00                                    | 5,952.37                    | 5,993.22                    | 5,952.37                    | 13.84               | 13.03            | 134.09                      | -229.00                | 574.00          | 116.04                       | 89.20                         | 26.83                           | 4.324                |         |           |
| 6,100.00                                    | 6,051.40                    | 6,092.25                    | 6,051.40                    | 14.05               | 13.08            | 138.62                      | -229.00                | 574.00          | 126.16                       | 99.08                         | 27.08                           | 4.658                |         |           |
| 6,200.00                                    | 6,150.43                    | 6,191.28                    | 6,150.43                    | 14.25               | 13.13            | 142.45                      | -229.00                | 574.00          | 136.95                       | 109.63                        | 27.33                           | 5.011                |         |           |
| 6,300.00                                    | 6,249.46                    | 6,290.30                    | 6,249.46                    | 14.46               | 13.19            | 145.72                      | -229.00                | 574.00          | 148.27                       | 120.70                        | 27.57                           | 5.378                |         |           |
| 6,400.00                                    | 6,348.48                    | 6,389.33                    | 6,348.48                    | 14.66               | 13.24            | 148.52                      | -229.00                | 574.00          | 159.99                       | 132.18                        | 27.81                           | 5.752                |         |           |
| 6,500.00                                    | 6,447.51                    | 6,488.36                    | 6,447.51                    | 14.86               | 13.30            | 150.94                      | -229.00                | 574.00          | 172.04                       | 143.99                        | 28.05                           | 6.133                |         |           |
| 6,600.00                                    | 6,546.54                    | 6,587.39                    | 6,546.54                    | 15.07               | 13.35            | 153.04                      | -229.00                | 574.00          | 184.36                       | 156.06                        | 28.29                           | 6.516                |         |           |
| 6,700.00                                    | 6,645.56                    | 6,686.41                    | 6,645.56                    | 15.27               | 13.40            | 154.87                      | -229.00                | 574.00          | 196.89                       | 168.35                        | 28.54                           | 6.900                |         |           |
| 6,800.00                                    | 6,744.59                    | 6,785.44                    | 6,744.59                    | 15.48               | 13.46            | 156.48                      | -229.00                | 574.00          | 209.59                       | 180.81                        | 28.78                           | 7.283                |         |           |
| 6,900.00                                    | 6,843.62                    | 6,884.47                    | 6,843.62                    | 15.68               | 13.52            | 157.91                      | -229.00                | 574.00          | 222.44                       | 193.42                        | 29.02                           | 7.665                |         |           |
| 7,000.00                                    | 6,942.64                    | 6,983.49                    | 6,942.64                    | 15.89               | 13.57            | 159.18                      | -229.00                | 574.00          | 235.41                       | 206.14                        | 29.26                           | 8.044                |         |           |
| 7,100.00                                    | 7,041.67                    | 7,082.52                    | 7,041.67                    | 16.09               | 13.63            | 160.32                      | -229.00                | 574.00          | 248.48                       | 218.97                        | 29.51                           | 8.421                |         |           |
| 7,200.00                                    | 7,140.70                    | 7,181.55                    | 7,140.70                    | 16.30               | 13.68            | 161.35                      | -229.00                | 574.00          | 261.64                       | 231.88                        | 29.75                           | 8.793                |         |           |
| 7,300.00                                    | 7,239.73                    | 7,280.57                    | 7,239.73                    | 16.50               | 13.74            | 162.27                      | -229.00                | 574.00          | 274.87                       | 244.87                        | 30.00                           | 9.162                |         |           |
| 7,400.00                                    | 7,338.75                    | 7,379.60                    | 7,338.75                    | 16.71               | 13.80            | 163.12                      | -229.00                | 574.00          | 288.17                       | 257.92                        | 30.25                           | 9.527                |         |           |
| 7,500.00                                    | 7,437.83                    | 7,478.68                    | 7,437.83                    | 16.89               | 13.85            | 163.89                      | -229.00                | 574.00          | 301.15                       | 270.68                        | 30.47                           | 9.884                |         |           |
| 7,600.00                                    | 7,537.20                    | 7,578.05                    | 7,537.20                    | 17.07               | 13.91            | 164.51                      | -229.00                | 574.00          | 311.92                       | 281.20                        | 30.72                           | 10.154               |         |           |
| 7,700.00                                    | 7,636.83                    | 7,677.68                    | 7,636.83                    | 17.24               | 13.97            | 164.95                      | -229.00                | 574.00          | 320.21                       | 289.25                        | 30.96                           | 10.342               |         |           |
| 7,800.00                                    | 7,736.65                    | 7,777.50                    | 7,736.65                    | 17.38               | 14.03            | 165.24                      | -229.00                | 574.00          | 325.98                       | 294.79                        | 31.19                           | 10.450               |         |           |
| 7,900.00                                    | 7,836.59                    | 7,877.44                    | 7,836.59                    | 17.51               | 14.09            | 165.40                      | -229.00                | 574.00          | 329.23                       | 297.82                        | 31.41                           | 10.481               |         |           |
| 8,000.00                                    | 7,936.58                    | 7,977.43                    | 7,936.58                    | 17.56               | 14.15            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.48                        | 31.53                           | 10.467               |         |           |
| 8,100.00                                    | 8,036.58                    | 8,077.43                    | 8,036.58                    | 17.60               | 14.21            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.39                        | 31.63                           | 10.435               |         |           |
| 8,200.00                                    | 8,136.58                    | 8,177.43                    | 8,136.58                    | 17.64               | 14.27            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.29                        | 31.72                           | 10.403               |         |           |
| 8,300.00                                    | 8,236.58                    | 8,277.43                    | 8,236.58                    | 17.68               | 14.33            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.19                        | 31.82                           | 10.371               |         |           |
| 8,400.00                                    | 8,336.58                    | 8,377.43                    | 8,336.58                    | 17.72               | 14.39            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.09                        | 31.92                           | 10.339               |         |           |
| 8,500.00                                    | 8,436.58                    | 8,477.43                    | 8,436.58                    | 17.77               | 14.45            | -90.52                      | -229.00                | 574.00          | 330.01                       | 298.00                        | 32.02                           | 10.307               |         |           |
| 8,600.00                                    | 8,536.58                    | 8,577.43                    | 8,536.58                    | 17.81               | 14.51            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.90                        | 32.12                           | 10.275               |         |           |
| 8,700.00                                    | 8,636.58                    | 8,677.43                    | 8,636.58                    | 17.85               | 14.57            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.80                        | 32.22                           | 10.243               |         |           |
| 8,800.00                                    | 8,736.58                    | 8,777.43                    | 8,736.58                    | 17.89               | 14.63            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.70                        | 32.32                           | 10.212               |         |           |
| 8,900.00                                    | 8,836.58                    | 8,877.43                    | 8,836.58                    | 17.93               | 14.69            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.60                        | 32.42                           | 10.180               |         |           |
| 9,000.00                                    | 8,936.58                    | 8,977.43                    | 8,936.58                    | 17.98               | 14.76            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.49                        | 32.52                           | 10.148               |         |           |
| 9,100.00                                    | 9,036.58                    | 9,077.43                    | 9,036.58                    | 18.02               | 14.82            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.39                        | 32.62                           | 10.116               |         |           |
| 9,200.00                                    | 9,136.58                    | 9,177.43                    | 9,136.58                    | 18.06               | 14.88            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.29                        | 32.72                           | 10.085               |         |           |
| 9,300.00                                    | 9,236.58                    | 9,277.43                    | 9,236.58                    | 18.11               | 14.94            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.19                        | 32.83                           | 10.053               |         |           |
| 9,400.00                                    | 9,336.58                    | 9,377.43                    | 9,336.58                    | 18.15               | 15.01            | -90.52                      | -229.00                | 574.00          | 330.01                       | 297.08                        | 32.93                           | 10.022               |         |           |
| 9,500.00                                    | 9,436.58                    | 9,477.43                    | 9,436.58                    | 18.20               | 15.07            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.98                        | 33.03                           | 9.990                |         |           |
| 9,600.00                                    | 9,536.58                    | 9,577.43                    | 9,536.58                    | 18.24               | 15.13            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.88                        | 33.14                           | 9.959                |         |           |
| 9,700.00                                    | 9,636.58                    | 9,677.43                    | 9,636.58                    | 18.29               | 15.20            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.77                        | 33.24                           | 9.928                |         |           |
| 9,800.00                                    | 9,736.58                    | 9,777.43                    | 9,736.58                    | 18.33               | 15.26            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.67                        | 33.35                           | 9.896                |         |           |
| 9,900.00                                    | 9,836.58                    | 9,877.43                    | 9,836.58                    | 18.38               | 15.33            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.56                        | 33.45                           | 9.865                |         |           |
| 10,000.00                                   | 9,936.58                    | 9,977.43                    | 9,936.58                    | 18.43               | 15.39            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.46                        | 33.56                           | 9.834                |         |           |
| 10,100.00                                   | 10,036.58                   | 10,077.43                   | 10,036.58                   | 18.47               | 15.45            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.35                        | 33.66                           | 9.803                |         |           |
| 10,200.00                                   | 10,136.58                   | 10,177.43                   | 10,136.58                   | 18.52               | 15.52            | -90.52                      | -229.00                | 574.00          | 330.01                       | 296.24                        | 33.77                           | 9.772                |         |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - Coonskin Fee 152H - OH - Plan #1

| Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          | Rule Assigned:                |                                 |                      | Offset Site Error: |
|---------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|-------------------------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|
|                                             |                             |                             |                             |                     |                                     |                             |                                           |                 |                                          |                               |                                 |                      | Offset Well Error: |
| Measured<br>Depth<br>(usft)                 | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Semi Major Axis<br>Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |
| 10,300.00                                   | 10,236.58                   | 10,277.43                   | 10,236.58                   | 18.57               | 15.59                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 296.14                        | 33.88                           | 9.741                |                    |
| 10,400.00                                   | 10,336.58                   | 10,377.43                   | 10,336.58                   | 18.61               | 15.65                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 296.03                        | 33.99                           | 9.710                |                    |
| 10,500.00                                   | 10,436.58                   | 10,477.43                   | 10,436.58                   | 18.66               | 15.72                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 295.92                        | 34.09                           | 9.680                |                    |
| 10,600.00                                   | 10,536.58                   | 10,577.43                   | 10,536.58                   | 18.71               | 15.78                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 295.81                        | 34.20                           | 9.649                |                    |
| 10,700.00                                   | 10,636.58                   | 10,677.43                   | 10,636.58                   | 18.76               | 15.85                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 295.70                        | 34.31                           | 9.618                |                    |
| 10,700.01                                   | 10,636.59                   | 10,677.44                   | 10,636.59                   | 18.76               | 15.85                               | -90.52                      | -229.00                                   | 574.00          | 330.01                                   | 295.70                        | 34.31                           | 9.617                |                    |
| 10,800.00                                   | 10,736.14                   | 10,776.99                   | 10,736.14                   | 18.83               | 15.91                               | -91.38                      | -229.00                                   | 574.00          | 330.11                                   | 295.72                        | 34.40                           | 9.597                |                    |
| 10,900.00                                   | 10,832.81                   | 10,873.66                   | 10,832.81                   | 18.88               | 15.98                               | -95.41                      | -229.00                                   | 574.00          | 331.67                                   | 297.20                        | 34.47                           | 9.622                |                    |
| 11,000.00                                   | 10,923.66                   | 10,964.51                   | 10,923.66                   | 18.91               | 16.04                               | -101.13                     | -229.00                                   | 574.00          | 338.35                                   | 303.81                        | 34.53                           | 9.798                |                    |
| 11,100.00                                   | 11,005.93                   | 11,046.78                   | 11,005.93                   | 18.96               | 16.09                               | -107.05                     | -229.00                                   | 574.00          | 355.16                                   | 320.59                        | 34.56                           | 10.275               |                    |
| 11,200.00                                   | 11,077.11                   | 11,117.96                   | 11,077.11                   | 19.07               | 16.14                               | -111.59                     | -229.00                                   | 574.00          | 386.57                                   | 352.01                        | 34.56                           | 11.186               |                    |
| 11,300.00                                   | 11,135.05                   | 11,175.90                   | 11,135.05                   | 19.25               | 16.18                               | -113.47                     | -229.00                                   | 574.00          | 434.52                                   | 400.00                        | 34.52                           | 12.587               |                    |
| 11,400.00                                   | 11,177.98                   | 11,218.82                   | 11,177.98                   | 19.50               | 16.20                               | -111.55                     | -229.00                                   | 574.00          | 497.91                                   | 463.46                        | 34.45                           | 14.452               |                    |
| 11,500.00                                   | 11,204.59                   | 11,303.49                   | 11,262.46                   | 19.84               | 16.29                               | -113.17                     | -224.61                                   | 573.96          | 572.90                                   | 538.30                        | 34.59                           | 16.561               |                    |
| 11,600.00                                   | 11,214.09                   | 12,020.58                   | 11,753.72                   | 20.26               | 17.36                               | -148.59                     | 232.72                                    | 569.98          | 641.49                                   | 595.94                        | 45.55                           | 14.083               |                    |
| 11,700.00                                   | 11,213.30                   | 12,232.87                   | 11,763.76                   | 20.76               | 18.20                               | -149.06                     | 444.29                                    | 568.14          | 641.83                                   | 594.76                        | 47.06                           | 13.638               |                    |
| 11,800.00                                   | 11,212.44                   | 12,332.87                   | 11,762.89                   | 21.31               | 18.73                               | -149.06                     | 544.29                                    | 567.27          | 641.82                                   | 594.28                        | 47.54                           | 13.501               |                    |
| 11,900.00                                   | 11,211.57                   | 12,432.87                   | 11,762.02                   | 21.92               | 19.34                               | -149.06                     | 644.28                                    | 566.40          | 641.82                                   | 593.75                        | 48.07                           | 13.353               |                    |
| 12,000.00                                   | 11,210.70                   | 12,532.87                   | 11,761.15                   | 22.59               | 20.03                               | -149.06                     | 744.27                                    | 565.53          | 641.81                                   | 593.17                        | 48.64                           | 13.195               |                    |
| 12,100.00                                   | 11,209.84                   | 12,632.87                   | 11,760.27                   | 23.31               | 20.78                               | -149.06                     | 844.26                                    | 564.66          | 641.80                                   | 592.54                        | 49.26                           | 13.029               |                    |
| 12,200.00                                   | 11,208.97                   | 12,732.87                   | 11,759.40                   | 24.07               | 21.59                               | -149.06                     | 944.26                                    | 563.79          | 641.80                                   | 591.88                        | 49.92                           | 12.856               |                    |
| 12,300.00                                   | 11,208.10                   | 12,832.87                   | 11,758.53                   | 24.88               | 22.46                               | -149.06                     | 1,044.25                                  | 562.92          | 641.79                                   | 591.16                        | 50.63                           | 12.676               |                    |
| 12,400.00                                   | 11,207.24                   | 12,932.87                   | 11,757.66                   | 25.73               | 23.37                               | -149.06                     | 1,144.24                                  | 562.05          | 641.79                                   | 590.41                        | 51.38                           | 12.491               |                    |
| 12,500.00                                   | 11,206.37                   | 13,032.87                   | 11,756.78                   | 26.63               | 24.33                               | -149.06                     | 1,244.23                                  | 561.18          | 641.78                                   | 589.62                        | 52.16                           | 12.303               |                    |
| 12,600.00                                   | 11,205.50                   | 13,132.87                   | 11,755.91                   | 27.55               | 25.33                               | -149.05                     | 1,344.23                                  | 560.31          | 641.78                                   | 588.79                        | 52.99                           | 12.112               |                    |
| 12,700.00                                   | 11,204.64                   | 13,232.87                   | 11,755.04                   | 28.51               | 26.36                               | -149.05                     | 1,444.22                                  | 559.44          | 641.77                                   | 587.92                        | 53.85                           | 11.918               |                    |
| 12,800.00                                   | 11,203.77                   | 13,332.87                   | 11,754.16                   | 29.51               | 27.41                               | -149.05                     | 1,544.21                                  | 558.57          | 641.77                                   | 587.03                        | 54.74                           | 11.723               |                    |
| 12,900.00                                   | 11,202.90                   | 13,432.87                   | 11,753.29                   | 30.52               | 28.50                               | -149.05                     | 1,644.20                                  | 557.71          | 641.76                                   | 586.09                        | 55.67                           | 11.528               |                    |
| 13,000.00                                   | 11,202.04                   | 13,532.87                   | 11,752.42                   | 31.57               | 29.61                               | -149.05                     | 1,744.20                                  | 556.84          | 641.76                                   | 585.13                        | 56.62                           | 11.334               |                    |
| 13,100.00                                   | 11,201.17                   | 13,632.87                   | 11,751.55                   | 32.64               | 30.74                               | -149.05                     | 1,844.19                                  | 555.97          | 641.75                                   | 584.14                        | 57.61                           | 11.140               |                    |
| 13,200.00                                   | 11,200.30                   | 13,732.87                   | 11,750.67                   | 33.72               | 31.89                               | -149.05                     | 1,944.18                                  | 555.10          | 641.75                                   | 583.12                        | 58.62                           | 10.947               |                    |
| 13,300.00                                   | 11,199.44                   | 13,832.87                   | 11,749.80                   | 34.83               | 33.06                               | -149.05                     | 2,044.17                                  | 554.23          | 641.74                                   | 582.08                        | 59.66                           | 10.756               |                    |
| 13,400.00                                   | 11,198.57                   | 13,932.87                   | 11,748.93                   | 35.95               | 34.24                               | -149.05                     | 2,144.17                                  | 553.36          | 641.74                                   | 581.01                        | 60.73                           | 10.567               |                    |
| 13,500.00                                   | 11,197.70                   | 14,032.87                   | 11,748.06                   | 37.10               | 35.43                               | -149.05                     | 2,244.16                                  | 552.49          | 641.73                                   | 579.91                        | 61.82                           | 10.381               |                    |
| 13,600.00                                   | 11,196.84                   | 14,132.87                   | 11,747.18                   | 38.25               | 36.64                               | -149.05                     | 2,344.15                                  | 551.62          | 641.73                                   | 578.80                        | 62.93                           | 10.198               |                    |
| 13,700.00                                   | 11,195.97                   | 14,232.87                   | 11,746.31                   | 39.42               | 37.86                               | -149.05                     | 2,444.14                                  | 550.75          | 641.72                                   | 577.66                        | 64.06                           | 10.017               |                    |
| 13,800.00                                   | 11,195.10                   | 14,332.87                   | 11,745.44                   | 40.60               | 39.09                               | -149.05                     | 2,544.13                                  | 549.88          | 641.72                                   | 576.50                        | 65.21                           | 9.840                |                    |
| 13,900.00                                   | 11,194.24                   | 14,432.87                   | 11,744.57                   | 41.79               | 40.32                               | -149.05                     | 2,644.13                                  | 549.01          | 641.71                                   | 575.33                        | 66.38                           | 9.667                |                    |
| 14,000.00                                   | 11,193.37                   | 14,532.87                   | 11,743.69                   | 42.99               | 41.57                               | -149.05                     | 2,744.12                                  | 548.14          | 641.71                                   | 574.13                        | 67.57                           | 9.496                |                    |
| 14,100.00                                   | 11,192.50                   | 14,632.87                   | 11,742.82                   | 44.21               | 42.82                               | -149.05                     | 2,844.11                                  | 547.27          | 641.70                                   | 572.92                        | 68.78                           | 9.330                |                    |
| 14,200.00                                   | 11,191.64                   | 14,732.87                   | 11,741.95                   | 45.43               | 44.09                               | -149.05                     | 2,944.10                                  | 546.40          | 641.70                                   | 571.69                        | 70.00                           | 9.166                |                    |
| 14,300.00                                   | 11,190.77                   | 14,832.87                   | 11,741.08                   | 46.66               | 45.35                               | -149.05                     | 3,044.10                                  | 545.53          | 641.69                                   | 570.45                        | 71.24                           | 9.007                |                    |
| 14,400.00                                   | 11,189.91                   | 14,932.87                   | 11,740.20                   | 47.89               | 46.63                               | -149.05                     | 3,144.09                                  | 544.66          | 641.68                                   | 569.19                        | 72.50                           | 8.851                |                    |
| 14,500.00                                   | 11,189.04                   | 15,032.87                   | 11,739.33                   | 49.14               | 47.90                               | -149.05                     | 3,244.08                                  | 543.79          | 641.68                                   | 567.92                        | 73.76                           | 8.699                |                    |
| 14,600.00                                   | 11,188.17                   | 15,132.87                   | 11,738.46                   | 50.39               | 49.19                               | -149.05                     | 3,344.07                                  | 542.92          | 641.67                                   | 566.63                        | 75.04                           | 8.551                |                    |
| 14,700.00                                   | 11,187.31                   | 15,232.87                   | 11,737.58                   | 51.64               | 50.47                               | -149.05                     | 3,444.07                                  | 542.05          | 641.67                                   | 565.33                        | 76.34                           | 8.406                |                    |
| 14,800.00                                   | 11,186.44                   | 15,332.87                   | 11,736.71                   | 52.91               | 51.77                               | -149.05                     | 3,544.06                                  | 541.18          | 641.66                                   | 564.02                        | 77.64                           | 8.264                |                    |
| 14,900.00                                   | 11,185.57                   | 15,432.87                   | 11,735.84                   | 54.17               | 53.06                               | -149.05                     | 3,644.05                                  | 540.31          | 641.66                                   | 562.70                        | 78.96                           | 8.126                |                    |
| 15,000.00                                   | 11,184.71                   | 15,532.87                   | 11,734.97                   | 55.44               | 54.36                               | -149.05                     | 3,744.04                                  | 539.44          | 641.65                                   | 561.37                        | 80.29                           | 7.992                |                    |
| 15,100.00                                   | 11,183.84                   | 15,632.87                   | 11,734.09                   | 56.72               | 55.66                               | -149.05                     | 3,844.04                                  | 538.57          | 641.65                                   | 560.02                        | 81.62                           | 7.861                |                    |
| 15,200.00                                   | 11,182.97                   | 15,732.87                   | 11,733.22                   | 58.00               | 56.97                               | -149.05                     | 3,944.03                                  | 537.70          | 641.64                                   | 558.67                        | 82.97                           | 7.733                |                    |
| 15,300.00                                   | 11,182.11                   | 15,832.87                   | 11,732.35                   | 59.29               | 58.28                               | -149.05                     | 4,044.02                                  | 536.83          | 641.64                                   | 557.31                        | 84.33                           | 7.609                |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: Coonskin Fee Pad - Coonskin Fee 152H - OH - Plan #1

| Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) |                             |                             |                             |                                        |                  |                             |                        |                 |                                          | Rule Assigned:     |                                 | Offset Site Error:   | 0.00 usft |
|---------------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------------------|--------------------|---------------------------------|----------------------|-----------|
| Reference                                   |                             |                             |                             |                                        |                  |                             |                        |                 |                                          | Offset Well Error: |                                 | 0.00 usft            |           |
| Measured<br>Depth<br>(usft)                 | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance<br>Between<br>Centres<br>(usft) |                    | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
|                                             |                             |                             |                             |                                        |                  |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) |                                          | Ellipses<br>(usft) |                                 |                      |           |
| 15,400.00                                   | 11,181.24                   | 15,932.87                   | 11,731.48                   | 60.57                                  | 59.59            | -149.05                     | 4,144.01               | 535.96          | 641.63                                   | 555.94             | 85.69                           | 7.487                |           |
| 15,500.00                                   | 11,180.37                   | 16,032.87                   | 11,730.60                   | 61.87                                  | 60.91            | -149.05                     | 4,244.01               | 535.09          | 641.63                                   | 554.56             | 87.07                           | 7.369                |           |
| 15,600.00                                   | 11,179.51                   | 16,132.87                   | 11,729.73                   | 63.16                                  | 62.22            | -149.05                     | 4,344.00               | 534.22          | 641.62                                   | 553.17             | 88.45                           | 7.254                |           |
| 15,700.00                                   | 11,178.64                   | 16,232.87                   | 11,728.86                   | 64.46                                  | 63.54            | -149.05                     | 4,443.99               | 533.35          | 641.62                                   | 551.78             | 89.84                           | 7.142                |           |
| 15,800.00                                   | 11,177.77                   | 16,332.87                   | 11,727.99                   | 65.76                                  | 64.86            | -149.05                     | 4,543.98               | 532.48          | 641.61                                   | 550.38             | 91.24                           | 7.032                |           |
| 15,900.00                                   | 11,176.91                   | 16,432.87                   | 11,727.11                   | 67.06                                  | 66.19            | -149.05                     | 4,643.98               | 531.61          | 641.61                                   | 548.97             | 92.64                           | 6.926                |           |
| 16,000.00                                   | 11,176.04                   | 16,532.87                   | 11,726.24                   | 68.37                                  | 67.51            | -149.05                     | 4,743.97               | 530.74          | 641.60                                   | 547.55             | 94.05                           | 6.822                |           |
| 16,100.00                                   | 11,175.17                   | 16,632.87                   | 11,725.37                   | 69.68                                  | 68.84            | -149.05                     | 4,843.96               | 529.87          | 641.60                                   | 546.13             | 95.47                           | 6.720                |           |
| 16,200.00                                   | 11,174.31                   | 16,732.87                   | 11,724.50                   | 70.99                                  | 70.17            | -149.04                     | 4,943.95               | 529.00          | 641.59                                   | 544.70             | 96.89                           | 6.622                |           |
| 16,300.00                                   | 11,173.44                   | 16,832.87                   | 11,723.62                   | 72.30                                  | 71.50            | -149.04                     | 5,043.95               | 528.13          | 641.59                                   | 543.26             | 98.32                           | 6.525                |           |
| 16,400.00                                   | 11,172.57                   | 16,932.87                   | 11,722.75                   | 73.62                                  | 72.83            | -149.04                     | 5,143.94               | 527.26          | 641.58                                   | 541.82             | 99.76                           | 6.432                |           |
| 16,500.00                                   | 11,171.71                   | 17,032.87                   | 11,721.88                   | 74.93                                  | 74.16            | -149.04                     | 5,243.93               | 526.39          | 641.58                                   | 540.38             | 101.20                          | 6.340                |           |
| 16,600.00                                   | 11,170.84                   | 17,132.87                   | 11,721.00                   | 76.25                                  | 75.50            | -149.04                     | 5,343.92               | 525.52          | 641.57                                   | 538.93             | 102.64                          | 6.251                |           |
| 16,700.00                                   | 11,169.97                   | 17,232.87                   | 11,720.13                   | 77.57                                  | 76.83            | -149.04                     | 5,443.91               | 524.65          | 641.56                                   | 537.47             | 104.09                          | 6.164                |           |
| 16,800.00                                   | 11,169.11                   | 17,332.87                   | 11,719.26                   | 78.90                                  | 78.17            | -149.04                     | 5,543.91               | 523.78          | 641.56                                   | 536.01             | 105.55                          | 6.078                |           |
| 16,900.00                                   | 11,168.24                   | 17,432.87                   | 11,718.39                   | 80.22                                  | 79.51            | -149.04                     | 5,643.90               | 522.91          | 641.55                                   | 534.55             | 107.01                          | 5.996                |           |
| 17,000.00                                   | 11,167.37                   | 17,532.87                   | 11,717.51                   | 81.55                                  | 80.84            | -149.04                     | 5,743.89               | 522.04          | 641.55                                   | 533.08             | 108.47                          | 5.915                |           |
| 17,100.00                                   | 11,166.51                   | 17,632.87                   | 11,716.64                   | 82.87                                  | 82.18            | -149.04                     | 5,843.88               | 521.17          | 641.54                                   | 531.61             | 109.94                          | 5.836                |           |
| 17,200.00                                   | 11,165.64                   | 17,732.87                   | 11,715.77                   | 84.20                                  | 83.53            | -149.04                     | 5,943.88               | 520.30          | 641.54                                   | 530.13             | 111.41                          | 5.758                |           |
| 17,300.00                                   | 11,164.77                   | 17,832.87                   | 11,714.90                   | 85.53                                  | 84.87            | -149.04                     | 6,043.87               | 519.43          | 641.53                                   | 528.65             | 112.88                          | 5.683                |           |
| 17,400.00                                   | 11,163.91                   | 17,932.87                   | 11,714.02                   | 86.86                                  | 86.21            | -149.04                     | 6,143.86               | 518.56          | 641.53                                   | 527.16             | 114.36                          | 5.610                |           |
| 17,500.00                                   | 11,163.04                   | 18,032.87                   | 11,713.15                   | 88.19                                  | 87.55            | -149.04                     | 6,243.85               | 517.69          | 641.52                                   | 525.68             | 115.85                          | 5.538                |           |
| 17,600.00                                   | 11,162.18                   | 18,132.87                   | 11,712.28                   | 89.53                                  | 88.90            | -149.04                     | 6,343.85               | 516.82          | 641.52                                   | 524.18             | 117.33                          | 5.467                |           |
| 17,700.00                                   | 11,161.31                   | 18,232.87                   | 11,711.41                   | 90.86                                  | 90.24            | -149.04                     | 6,443.84               | 515.95          | 641.51                                   | 522.69             | 118.82                          | 5.399                |           |
| 17,800.00                                   | 11,160.44                   | 18,332.87                   | 11,710.53                   | 92.20                                  | 91.59            | -149.04                     | 6,543.83               | 515.08          | 641.51                                   | 521.19             | 120.32                          | 5.332                |           |
| 17,900.00                                   | 11,159.58                   | 18,432.87                   | 11,709.66                   | 93.53                                  | 92.94            | -149.04                     | 6,643.82               | 514.21          | 641.50                                   | 519.69             | 121.81                          | 5.266                |           |
| 18,000.00                                   | 11,158.71                   | 18,532.87                   | 11,708.79                   | 94.87                                  | 94.28            | -149.04                     | 6,743.82               | 513.34          | 641.50                                   | 518.19             | 123.31                          | 5.202                |           |
| 18,100.00                                   | 11,157.84                   | 18,632.87                   | 11,707.91                   | 96.21                                  | 95.63            | -149.04                     | 6,843.81               | 512.47          | 641.49                                   | 516.68             | 124.81                          | 5.140                |           |
| 18,200.00                                   | 11,156.98                   | 18,732.87                   | 11,707.04                   | 97.55                                  | 96.98            | -149.04                     | 6,943.80               | 511.60          | 641.49                                   | 515.17             | 126.32                          | 5.078                |           |
| 18,300.00                                   | 11,156.11                   | 18,832.87                   | 11,706.17                   | 98.89                                  | 98.33            | -149.04                     | 7,043.79               | 510.73          | 641.48                                   | 513.66             | 127.83                          | 5.018                |           |
| 18,400.00                                   | 11,155.24                   | 18,932.87                   | 11,705.30                   | 100.23                                 | 99.68            | -149.04                     | 7,143.79               | 509.86          | 641.48                                   | 512.14             | 129.33                          | 4.960                |           |
| 18,500.00                                   | 11,154.38                   | 19,032.87                   | 11,704.42                   | 101.57                                 | 101.03           | -149.04                     | 7,243.78               | 508.99          | 641.47                                   | 510.62             | 130.85                          | 4.902                |           |
| 18,600.00                                   | 11,153.51                   | 19,132.87                   | 11,703.55                   | 102.91                                 | 102.38           | -149.04                     | 7,343.77               | 508.12          | 641.47                                   | 509.10             | 132.36                          | 4.846                |           |
| 18,700.00                                   | 11,152.64                   | 19,232.87                   | 11,702.68                   | 104.26                                 | 103.73           | -149.04                     | 7,443.76               | 507.25          | 641.46                                   | 507.58             | 133.88                          | 4.791                |           |
| 18,800.00                                   | 11,151.78                   | 19,332.87                   | 11,701.81                   | 105.60                                 | 105.08           | -149.04                     | 7,543.76               | 506.38          | 641.46                                   | 506.06             | 135.40                          | 4.738                |           |
| 18,843.45                                   | 11,151.40                   | 19,376.32                   | 11,701.43                   | 106.18                                 | 105.67           | -149.04                     | 7,587.20               | 506.01          | 641.45                                   | 505.40             | 136.06                          | 4.715                |           |
| 18,849.18                                   | 11,151.35                   | 19,377.12                   | 11,701.42                   | 106.26                                 | 105.68           | -149.04                     | 7,588.00               | 506.00          | 641.47                                   | 505.53             | 135.94                          | 4.719                |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 112H - OH - Design #1

| Survey Program: 0-          |                             |                             |                             |                                        |                  |                             |                                           |                 |                              | Rule Assigned:                |                                 | Offset Site Error:   | 0.00 usft  |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|------------|
| Reference                   |                             |                             |                             |                                        |                  |                             |                                           |                 |                              | Distance                      |                                 | Offset Well Error:   | 0.00 usft  |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning    |
| 17,300.00                   | 11,164.77                   | 10,077.12                   | 10,010.91                   | 85.53                                  | 35.54            | -12.58                      | 7,740.20                                  | 580.51          | 2,070.71                     | 2,012.89                      | 57.82                           | 35.812               |            |
| 17,400.00                   | 11,163.91                   | 10,100.00                   | 10,029.64                   | 86.86                                  | 35.59            | -12.86                      | 7,753.23                                  | 578.86          | 1,988.87                     | 1,930.56                      | 58.30                           | 34.112               |            |
| 17,500.00                   | 11,163.04                   | 10,100.00                   | 10,029.64                   | 88.19                                  | 35.59            | -12.86                      | 7,753.23                                  | 578.86          | 1,908.12                     | 1,849.45                      | 58.67                           | 32.525               |            |
| 17,600.00                   | 11,162.18                   | 10,100.00                   | 10,029.64                   | 89.53                                  | 35.59            | -12.86                      | 7,753.23                                  | 578.86          | 1,829.28                     | 1,770.22                      | 59.06                           | 30.974               |            |
| 17,700.00                   | 11,161.31                   | 10,131.14                   | 10,054.27                   | 90.86                                  | 35.65            | -13.25                      | 7,772.12                                  | 576.46          | 1,751.47                     | 1,691.77                      | 59.70                           | 29.337               |            |
| 17,800.00                   | 11,160.44                   | 10,150.00                   | 10,068.67                   | 92.20                                  | 35.69            | -13.49                      | 7,784.21                                  | 574.93          | 1,675.80                     | 1,615.49                      | 60.30                           | 27.789               |            |
| 17,900.00                   | 11,159.58                   | 10,150.00                   | 10,068.67                   | 93.53                                  | 35.69            | -13.49                      | 7,784.21                                  | 574.93          | 1,602.34                     | 1,541.53                      | 60.81                           | 26.350               |            |
| 18,000.00                   | 11,158.71                   | 10,200.00                   | 10,104.83                   | 94.87                                  | 35.79            | -14.16                      | 7,818.44                                  | 570.59          | 1,531.03                     | 1,469.30                      | 61.73                           | 24.803               |            |
| 18,100.00                   | 11,157.84                   | 10,200.00                   | 10,104.83                   | 96.21                                  | 35.79            | -14.16                      | 7,818.44                                  | 570.59          | 1,461.66                     | 1,399.34                      | 62.32                           | 23.454               |            |
| 18,200.00                   | 11,156.98                   | 10,222.47                   | 10,120.07                   | 97.55                                  | 35.83            | -14.46                      | 7,834.82                                  | 568.51          | 1,395.40                     | 1,332.27                      | 63.13                           | 22.104               |            |
| 18,300.00                   | 11,156.11                   | 10,250.00                   | 10,137.84                   | 98.89                                  | 35.88            | -14.84                      | 7,855.68                                  | 565.86          | 1,332.19                     | 1,268.16                      | 64.03                           | 20.806               |            |
| 18,400.00                   | 11,155.24                   | 10,268.62                   | 10,149.28                   | 100.23                                 | 35.92            | -15.09                      | 7,870.25                                  | 564.02          | 1,272.26                     | 1,207.35                      | 64.90                           | 19.603               |            |
| 18,500.00                   | 11,154.38                   | 10,300.00                   | 10,167.46                   | 101.57                                 | 35.97            | -15.52                      | 7,895.62                                  | 560.80          | 1,216.08                     | 1,150.14                      | 65.94                           | 18.443               |            |
| 18,600.00                   | 11,153.51                   | 10,321.24                   | 10,178.96                   | 102.91                                 | 36.01            | -15.82                      | 7,913.34                                  | 558.55          | 1,163.85                     | 1,096.94                      | 66.92                           | 17.393               |            |
| 18,700.00                   | 11,152.64                   | 10,350.00                   | 10,193.45                   | 104.26                                 | 36.06            | -16.21                      | 7,937.98                                  | 555.42          | 1,116.09                     | 1,048.08                      | 68.01                           | 16.411               |            |
| 18,800.00                   | 11,151.78                   | 10,380.74                   | 10,207.55                   | 105.60                                 | 36.11            | -16.62                      | 7,965.07                                  | 551.99          | 1,073.13                     | 1,003.97                      | 69.16                           | 15.517               |            |
| 18,849.18                   | 11,151.35                   | 10,400.00                   | 10,215.63                   | 106.26                                 | 36.15            | -16.87                      | 7,982.42                                  | 549.79          | 1,053.90                     | 984.12                        | 69.78                           | 15.104               | CC, ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 132H - OH - Design #1

|                             |                             |                             |                             |                     |                  |                             |                        |                 |                              |                               |                                 |                      |            |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|------------|
| Survey Program: 0-          |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning    |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |            |
| 16,900.00                   | 11,168.24                   | 11,218.45                   | 11,168.24                   | 80.22               | 39.61            | -92.84                      | 7,642.52               | 485.97          | 2,033.93                     | 1,964.39                      | 69.54                           | 29.247               |            |
| 17,000.00                   | 11,167.37                   | 11,217.58                   | 11,167.37                   | 81.55               | 39.61            | -92.70                      | 7,642.52               | 485.97          | 1,935.50                     | 1,865.22                      | 70.28                           | 27.539               |            |
| 17,100.00                   | 11,166.51                   | 11,216.72                   | 11,166.51                   | 82.87               | 39.60            | -92.56                      | 7,642.52               | 485.97          | 1,837.24                     | 1,766.14                      | 71.10                           | 25.841               |            |
| 17,200.00                   | 11,165.64                   | 11,215.85                   | 11,165.64                   | 84.20               | 39.60            | -92.42                      | 7,642.52               | 485.97          | 1,739.17                     | 1,667.16                      | 72.01                           | 24.152               |            |
| 17,300.00                   | 11,164.77                   | 11,214.98                   | 11,164.77                   | 85.53               | 39.60            | -92.28                      | 7,642.52               | 485.97          | 1,641.34                     | 1,568.31                      | 73.03                           | 22.473               |            |
| 17,400.00                   | 11,163.91                   | 11,214.12                   | 11,163.91                   | 86.86               | 39.59            | -92.13                      | 7,642.52               | 485.97          | 1,543.79                     | 1,469.59                      | 74.19                           | 20.808               |            |
| 17,500.00                   | 11,163.04                   | 11,213.25                   | 11,163.04                   | 88.19               | 39.59            | -91.99                      | 7,642.52               | 485.97          | 1,446.56                     | 1,371.05                      | 75.51                           | 19.157               |            |
| 17,600.00                   | 11,162.18                   | 11,212.38                   | 11,162.18                   | 89.53               | 39.59            | -91.85                      | 7,642.52               | 485.97          | 1,349.75                     | 1,272.72                      | 77.03                           | 17.523               |            |
| 17,700.00                   | 11,161.31                   | 11,211.52                   | 11,161.31                   | 90.86               | 39.58            | -91.71                      | 7,642.52               | 485.97          | 1,253.43                     | 1,174.64                      | 78.79                           | 15.909               |            |
| 17,800.00                   | 11,160.44                   | 11,210.65                   | 11,160.44                   | 92.20               | 39.58            | -91.57                      | 7,642.52               | 485.97          | 1,157.74                     | 1,076.89                      | 80.84                           | 14.321               |            |
| 17,900.00                   | 11,159.58                   | 11,209.78                   | 11,159.58                   | 93.53               | 39.58            | -91.43                      | 7,642.52               | 485.97          | 1,062.84                     | 979.56                        | 83.28                           | 12.763               |            |
| 18,000.00                   | 11,158.71                   | 11,208.92                   | 11,158.71                   | 94.87               | 39.58            | -91.28                      | 7,642.52               | 485.97          | 968.96                       | 882.78                        | 86.19                           | 11.243               |            |
| 18,100.00                   | 11,157.84                   | 11,208.05                   | 11,157.84                   | 96.21               | 39.57            | -91.14                      | 7,642.52               | 485.97          | 876.44                       | 786.74                        | 89.70                           | 9.771                |            |
| 18,200.00                   | 11,156.98                   | 11,207.18                   | 11,156.98                   | 97.55               | 39.57            | -91.00                      | 7,642.52               | 485.97          | 785.76                       | 691.76                        | 94.00                           | 8.359                |            |
| 18,300.00                   | 11,156.11                   | 11,206.32                   | 11,156.11                   | 98.89               | 39.57            | -90.86                      | 7,642.52               | 485.97          | 697.62                       | 598.32                        | 99.30                           | 7.025                |            |
| 18,400.00                   | 11,155.24                   | 11,205.45                   | 11,155.24                   | 100.23              | 39.56            | -90.72                      | 7,642.52               | 485.97          | 613.14                       | 507.26                        | 105.87                          | 5.791                |            |
| 18,500.00                   | 11,154.38                   | 11,204.58                   | 11,154.38                   | 101.57              | 39.56            | -90.57                      | 7,642.52               | 485.97          | 534.04                       | 420.07                        | 113.96                          | 4.686                |            |
| 18,600.00                   | 11,153.51                   | 11,203.72                   | 11,153.51                   | 102.91              | 39.56            | -90.43                      | 7,642.52               | 485.97          | 463.09                       | 339.50                        | 123.59                          | 3.747                |            |
| 18,700.00                   | 11,152.64                   | 11,202.85                   | 11,152.64                   | 104.26              | 39.55            | -90.29                      | 7,642.52               | 485.97          | 404.61                       | 270.60                        | 134.00                          | 3.019                |            |
| 18,800.00                   | 11,151.78                   | 11,201.99                   | 11,151.78                   | 105.60              | 39.55            | -90.15                      | 7,642.52               | 485.97          | 364.64                       | 221.85                        | 142.78                          | 2.554                |            |
| 18,849.18                   | 11,151.35                   | 11,201.56                   | 11,151.35                   | 106.26              | 39.55            | -90.08                      | 7,642.52               | 485.97          | 353.80                       | 208.51                        | 145.29                          | 2.435                | CC, ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 202H - OH - Design #1

| <b>Survey Program:</b> 0-   |                             | <b>Rule Assigned:</b>       |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Site Error:</b> | 0.00 usft  |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|---------------------------|------------|
| <b>Reference</b>            |                             | <b>Offset Well Error:</b>   |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Well Error:</b> | 0.00 usft  |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning    |
| 17,000.00                   | 11,167.37                   | 11,213.19                   | 11,167.37                   | 81.55                                  | 39.42            | -91.43                      | 7,640.44                                  | 175.72          | 2,015.36                                 | 1,936.22                      | 79.14                           | 25.465                    |            |
| 17,100.00                   | 11,166.51                   | 11,212.33                   | 11,166.51                   | 82.87                                  | 39.41            | -91.36                      | 7,640.44                                  | 175.72          | 1,921.16                                 | 1,840.52                      | 80.64                           | 23.825                    |            |
| 17,200.00                   | 11,165.64                   | 11,211.46                   | 11,165.64                   | 84.20                                  | 39.41            | -91.28                      | 7,640.44                                  | 175.72          | 1,827.56                                 | 1,745.28                      | 82.28                           | 22.210                    |            |
| 17,300.00                   | 11,164.77                   | 11,210.60                   | 11,164.77                   | 85.53                                  | 39.41            | -91.21                      | 7,640.44                                  | 175.72          | 1,734.69                                 | 1,650.58                      | 84.11                           | 20.624                    |            |
| 17,400.00                   | 11,163.91                   | 11,209.73                   | 11,163.91                   | 86.86                                  | 39.40            | -91.13                      | 7,640.44                                  | 175.72          | 1,642.65                                 | 1,556.52                      | 86.13                           | 19.071                    |            |
| 17,500.00                   | 11,163.04                   | 11,208.86                   | 11,163.04                   | 88.19                                  | 39.40            | -91.06                      | 7,640.44                                  | 175.72          | 1,551.59                                 | 1,463.21                      | 88.39                           | 17.555                    |            |
| 17,600.00                   | 11,162.18                   | 11,208.00                   | 11,162.18                   | 89.53                                  | 39.40            | -90.98                      | 7,640.44                                  | 175.72          | 1,461.71                                 | 1,370.81                      | 90.90                           | 16.080                    |            |
| 17,700.00                   | 11,161.31                   | 11,207.13                   | 11,161.31                   | 90.86                                  | 39.40            | -90.91                      | 7,640.44                                  | 175.72          | 1,373.22                                 | 1,279.50                      | 93.72                           | 14.652                    |            |
| 17,800.00                   | 11,160.44                   | 11,206.26                   | 11,160.44                   | 92.20                                  | 39.39            | -90.83                      | 7,640.44                                  | 175.72          | 1,286.42                                 | 1,189.54                      | 96.89                           | 13.277                    |            |
| 17,900.00                   | 11,159.58                   | 11,205.40                   | 11,159.58                   | 93.53                                  | 39.39            | -90.76                      | 7,640.44                                  | 175.72          | 1,201.68                                 | 1,101.24                      | 100.44                          | 11.964                    |            |
| 18,000.00                   | 11,158.71                   | 11,204.53                   | 11,158.71                   | 94.87                                  | 39.39            | -90.68                      | 7,640.44                                  | 175.72          | 1,119.45                                 | 1,015.02                      | 104.43                          | 10.720                    |            |
| 18,100.00                   | 11,157.84                   | 11,203.66                   | 11,157.84                   | 96.21                                  | 39.38            | -90.61                      | 7,640.44                                  | 175.72          | 1,040.34                                 | 931.46                        | 108.89                          | 9.554                     |            |
| 18,200.00                   | 11,156.98                   | 11,202.80                   | 11,156.98                   | 97.55                                  | 39.38            | -90.53                      | 7,640.44                                  | 175.72          | 965.12                                   | 851.29                        | 113.83                          | 8.478                     |            |
| 18,300.00                   | 11,156.11                   | 11,201.93                   | 11,156.11                   | 98.89                                  | 39.38            | -90.45                      | 7,640.44                                  | 175.72          | 894.76                                   | 775.52                        | 119.24                          | 7.504                     |            |
| 18,400.00                   | 11,155.24                   | 11,201.06                   | 11,155.24                   | 100.23                                 | 39.37            | -90.38                      | 7,640.44                                  | 175.72          | 830.50                                   | 705.49                        | 125.01                          | 6.644                     |            |
| 18,500.00                   | 11,154.38                   | 11,200.20                   | 11,154.38                   | 101.57                                 | 39.37            | -90.30                      | 7,640.44                                  | 175.72          | 773.86                                   | 642.95                        | 130.91                          | 5.911                     |            |
| 18,600.00                   | 11,153.51                   | 11,199.33                   | 11,153.51                   | 102.91                                 | 39.37            | -90.23                      | 7,640.44                                  | 175.72          | 726.63                                   | 590.08                        | 136.56                          | 5.321                     |            |
| 18,700.00                   | 11,152.64                   | 11,198.46                   | 11,152.64                   | 104.26                                 | 39.37            | -90.15                      | 7,640.44                                  | 175.72          | 690.75                                   | 549.37                        | 141.38                          | 4.886                     |            |
| 18,800.00                   | 11,151.78                   | 11,197.60                   | 11,151.78                   | 105.60                                 | 39.36            | -90.08                      | 7,640.44                                  | 175.72          | 668.03                                   | 523.32                        | 144.71                          | 4.616                     |            |
| 18,849.18                   | 11,151.35                   | 11,197.17                   | 11,151.35                   | 106.26                                 | 39.36            | -90.04                      | 7,640.44                                  | 175.72          | 662.13                                   | 516.51                        | 145.62                          | 4.547                     | CC, ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 209H - OH - OH

| Survey Program: 29-<br>Reference |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning    |
|----------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|------------|
| Measured<br>Depth<br>(usft)      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |            |
| 16,100.00                        | 11,175.17                   | 24,328.00                   | 12,313.56                   | 69.68               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 2,063.33                     | 1,976.35                      | 86.98                           | 23.723               |            |
| 16,200.00                        | 11,174.31                   | 24,328.00                   | 12,313.56                   | 70.99               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,990.10                     | 1,901.12                      | 88.98                           | 22.366               |            |
| 16,300.00                        | 11,173.44                   | 24,328.00                   | 12,313.56                   | 72.30               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,919.28                     | 1,828.15                      | 91.13                           | 21.060               |            |
| 16,400.00                        | 11,172.57                   | 24,328.00                   | 12,313.56                   | 73.62               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,851.16                     | 1,757.73                      | 93.43                           | 19.813               |            |
| 16,500.00                        | 11,171.71                   | 24,328.00                   | 12,313.56                   | 74.93               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,786.04                     | 1,690.17                      | 95.88                           | 18.629               |            |
| 16,600.00                        | 11,170.84                   | 24,328.00                   | 12,313.56                   | 76.25               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,724.27                     | 1,625.82                      | 98.45                           | 17.514               |            |
| 16,700.00                        | 11,169.97                   | 24,328.00                   | 12,313.56                   | 77.57               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,666.21                     | 1,565.07                      | 101.14                          | 16.474               |            |
| 16,800.00                        | 11,169.11                   | 24,328.00                   | 12,313.56                   | 78.90               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,612.27                     | 1,508.35                      | 103.92                          | 15.514               |            |
| 16,900.00                        | 11,168.24                   | 24,328.00                   | 12,313.56                   | 80.22               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,562.87                     | 1,456.12                      | 106.75                          | 14.640               |            |
| 17,000.00                        | 11,167.37                   | 24,328.00                   | 12,313.56                   | 81.55               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,518.46                     | 1,408.88                      | 109.58                          | 13.857               |            |
| 17,100.00                        | 11,166.51                   | 24,328.00                   | 12,313.56                   | 82.87               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,479.49                     | 1,367.13                      | 112.36                          | 13.167               |            |
| 17,200.00                        | 11,165.64                   | 24,328.00                   | 12,313.56                   | 84.20               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,446.39                     | 1,331.37                      | 115.02                          | 12.575               |            |
| 17,300.00                        | 11,164.77                   | 24,328.00                   | 12,313.56                   | 85.53               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,419.57                     | 1,302.10                      | 117.48                          | 12.084               |            |
| 17,400.00                        | 11,163.91                   | 24,328.00                   | 12,313.56                   | 86.86               | 77.31            | 146.59                      | 6,392.73               | 1,606.07        | 1,399.41                     | 1,279.73                      | 119.67                          | 11.693               |            |
| 17,500.00                        | 11,163.04                   | 24,324.55                   | 12,313.25                   | 88.19               | 77.30            | 146.59                      | 6,396.15               | 1,605.84        | 1,386.18                     | 1,264.69                      | 121.49                          | 11.410               |            |
| 17,600.00                        | 11,162.18                   | 24,238.68                   | 12,305.79                   | 89.53               | 76.82            | 146.62                      | 6,481.50               | 1,599.95        | 1,376.40                     | 1,254.43                      | 121.96                          | 11.285               |            |
| 17,700.00                        | 11,161.31                   | 24,165.82                   | 12,300.93                   | 90.86               | 76.42            | 146.66                      | 6,554.05               | 1,595.37        | 1,368.53                     | 1,245.95                      | 122.58                          | 11.164               |            |
| 17,800.00                        | 11,160.44                   | 24,083.13                   | 12,296.46                   | 92.20               | 75.98            | 146.70                      | 6,636.50               | 1,590.95        | 1,362.25                     | 1,239.19                      | 123.06                          | 11.070               |            |
| 17,900.00                        | 11,159.58                   | 23,996.08                   | 12,292.86                   | 93.53               | 75.52            | 146.78                      | 6,723.35               | 1,586.16        | 1,356.98                     | 1,233.53                      | 123.45                          | 10.992               |            |
| 18,000.00                        | 11,158.71                   | 23,909.24                   | 12,290.24                   | 94.87               | 75.07            | 146.88                      | 6,810.01               | 1,581.40        | 1,352.65                     | 1,228.85                      | 123.80                          | 10.926               |            |
| 18,100.00                        | 11,157.84                   | 23,802.03                   | 12,287.21                   | 96.21               | 74.52            | 146.97                      | 6,917.07               | 1,576.62        | 1,349.09                     | 1,225.12                      | 123.97                          | 10.883               |            |
| 18,200.00                        | 11,156.98                   | 23,692.58                   | 12,281.44                   | 97.55               | 73.96            | 146.96                      | 7,026.29               | 1,572.63        | 1,343.83                     | 1,219.62                      | 124.21                          | 10.819               |            |
| 18,300.00                        | 11,156.11                   | 23,564.00                   | 12,274.06                   | 98.89               | 73.31            | 146.96                      | 7,154.56               | 1,567.64        | 1,338.23                     | 1,213.98                      | 124.25                          | 10.771               |            |
| 18,400.00                        | 11,155.24                   | 23,489.65                   | 12,269.33                   | 100.23              | 72.94            | 146.94                      | 7,228.70               | 1,564.72        | 1,331.95                     | 1,207.05                      | 124.90                          | 10.664               |            |
| 18,500.00                        | 11,154.38                   | 23,403.37                   | 12,264.72                   | 101.57              | 72.52            | 146.90                      | 7,314.83               | 1,562.54        | 1,327.27                     | 1,201.82                      | 125.45                          | 10.580               |            |
| 18,600.00                        | 11,153.51                   | 23,308.28                   | 12,259.66                   | 102.91              | 72.06            | 146.82                      | 7,409.77               | 1,561.13        | 1,323.20                     | 1,197.25                      | 125.95                          | 10.505               |            |
| 18,700.00                        | 11,152.64                   | 23,223.59                   | 12,255.43                   | 104.26              | 71.65            | 146.74                      | 7,494.36               | 1,560.28        | 1,319.69                     | 1,193.13                      | 126.56                          | 10.427               |            |
| 18,800.00                        | 11,151.78                   | 23,129.71                   | 12,251.53                   | 105.60              | 71.21            | 146.64                      | 7,588.15               | 1,560.34        | 1,317.44                     | 1,190.31                      | 127.13                          | 10.363               |            |
| 18,849.18                        | 11,151.35                   | 23,078.53                   | 12,249.05                   | 106.26              | 70.98            | 146.56                      | 7,639.27               | 1,560.69        | 1,316.22                     | 1,188.83                      | 127.39                          | 10.332               | CC, ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 212H - OH - Design #1

| <b>Survey Program:</b> 0-   |                             | <b>Rule Assigned:</b>       |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Site Error:</b> | 0.00 usft                             |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|---------------------------|---------------------------------------|
| <b>Reference</b>            |                             | <b>Offset Well Error:</b>   |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Well Error:</b> | 0.00 usft                             |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning                               |
| 16,900.00                   | 11,168.24                   | 11,230.65                   | 11,168.24                   | 80.22                                  | 40.17            | -98.20                      | 7,644.78                                  | 714.99          | 2,007.56                                 | 1,942.96                      | 64.59                           | 31.079                    |                                       |
| 17,000.00                   | 11,167.37                   | 11,229.79                   | 11,167.37                   | 81.55                                  | 40.17            | -97.79                      | 7,644.78                                  | 714.99          | 1,907.75                                 | 1,842.89                      | 64.87                           | 29.410                    |                                       |
| 17,100.00                   | 11,166.51                   | 11,228.92                   | 11,166.51                   | 82.87                                  | 40.17            | -97.39                      | 7,644.78                                  | 714.99          | 1,807.97                                 | 1,742.81                      | 65.16                           | 27.746                    |                                       |
| 17,200.00                   | 11,165.64                   | 11,228.06                   | 11,165.64                   | 84.20                                  | 40.16            | -96.98                      | 7,644.78                                  | 714.99          | 1,708.21                                 | 1,642.72                      | 65.48                           | 26.086                    |                                       |
| 17,300.00                   | 11,164.77                   | 11,227.19                   | 11,164.77                   | 85.53                                  | 40.16            | -96.58                      | 7,644.78                                  | 714.99          | 1,608.48                                 | 1,542.64                      | 65.84                           | 24.432                    |                                       |
| 17,400.00                   | 11,163.91                   | 11,226.32                   | 11,163.91                   | 86.86                                  | 40.16            | -96.17                      | 7,644.78                                  | 714.99          | 1,508.78                                 | 1,442.55                      | 66.23                           | 22.781                    |                                       |
| 17,500.00                   | 11,163.04                   | 11,225.46                   | 11,163.04                   | 88.19                                  | 40.15            | -95.76                      | 7,644.78                                  | 714.99          | 1,409.13                                 | 1,342.46                      | 66.67                           | 21.136                    |                                       |
| 17,600.00                   | 11,162.18                   | 11,224.59                   | 11,162.18                   | 89.53                                  | 40.15            | -95.36                      | 7,644.78                                  | 714.99          | 1,309.52                                 | 1,242.35                      | 67.17                           | 19.496                    |                                       |
| 17,700.00                   | 11,161.31                   | 11,223.72                   | 11,161.31                   | 90.86                                  | 40.15            | -94.95                      | 7,644.78                                  | 714.99          | 1,209.99                                 | 1,142.24                      | 67.75                           | 17.860                    |                                       |
| 17,800.00                   | 11,160.44                   | 11,222.86                   | 11,160.44                   | 92.20                                  | 40.15            | -94.54                      | 7,644.78                                  | 714.99          | 1,110.53                                 | 1,042.11                      | 68.43                           | 16.230                    |                                       |
| 17,900.00                   | 11,159.58                   | 11,221.99                   | 11,159.58                   | 93.53                                  | 40.14            | -94.13                      | 7,644.78                                  | 714.99          | 1,011.19                                 | 941.95                        | 69.24                           | 14.605                    |                                       |
| 18,000.00                   | 11,158.71                   | 11,221.12                   | 11,158.71                   | 94.87                                  | 40.14            | -93.72                      | 7,644.78                                  | 714.99          | 911.98                                   | 841.75                        | 70.23                           | 12.986                    |                                       |
| 18,100.00                   | 11,157.84                   | 11,220.26                   | 11,157.84                   | 96.21                                  | 40.14            | -93.31                      | 7,644.78                                  | 714.99          | 812.97                                   | 741.50                        | 71.47                           | 11.375                    |                                       |
| 18,200.00                   | 11,156.98                   | 11,219.39                   | 11,156.98                   | 97.55                                  | 40.13            | -92.90                      | 7,644.78                                  | 714.99          | 714.23                                   | 641.15                        | 73.08                           | 9.774                     |                                       |
| 18,300.00                   | 11,156.11                   | 11,218.52                   | 11,156.11                   | 98.89                                  | 40.13            | -92.49                      | 7,644.78                                  | 714.99          | 615.90                                   | 540.66                        | 75.24                           | 8.186                     |                                       |
| 18,400.00                   | 11,155.24                   | 11,217.66                   | 11,155.24                   | 100.23                                 | 40.13            | -92.08                      | 7,644.78                                  | 714.99          | 518.21                                   | 439.92                        | 78.29                           | 6.619                     |                                       |
| 18,500.00                   | 11,154.38                   | 11,216.79                   | 11,154.38                   | 101.57                                 | 40.12            | -91.66                      | 7,644.78                                  | 714.99          | 421.60                                   | 338.75                        | 82.85                           | 5.089                     |                                       |
| 18,600.00                   | 11,153.51                   | 11,215.92                   | 11,153.51                   | 102.91                                 | 40.12            | -91.25                      | 7,644.78                                  | 714.99          | 327.03                                   | 236.85                        | 90.17                           | 3.627                     |                                       |
| 18,700.00                   | 11,152.64                   | 11,215.06                   | 11,152.64                   | 104.26                                 | 40.12            | -90.84                      | 7,644.78                                  | 714.99          | 236.95                                   | 133.97                        | 102.99                          | 2.301                     |                                       |
| 18,800.00                   | 11,151.78                   | 11,214.19                   | 11,151.78                   | 105.60                                 | 40.12            | -90.43                      | 7,644.78                                  | 714.99          | 159.21                                   | 33.21                         | 126.00                          | 1.264                     | Collision Avoidance Req.              |
| 18,849.18                   | 11,151.35                   | 11,213.76                   | 11,151.35                   | 106.26                                 | 40.11            | -90.23                      | 7,644.78                                  | 714.99          | 132.42                                   | -7.34                         | 139.76                          | 0.948                     | No-Go Zone - Stop Drilling, CC, ES, S |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Offsets Pad 2 - John Callahan Fed Com 222H - OH - Design #1

| <b>Survey Program:</b> 0-   |                             | <b>Rule Assigned:</b>       |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Site Error:</b> | 0.00 usft  |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|---------------------------|------------|
| <b>Reference</b>            |                             | <b>Offset Well Error:</b>   |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | <b>Offset Well Error:</b> | 0.00 usft  |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning    |
| 16,900.00                   | 11,168.24                   | 11,218.19                   | 11,168.24                   | 80.22                                  | 39.53            | -92.09                      | 7,641.87                                  | 359.68          | 2,059.83                                 | 1,987.03                      | 72.80                           | 28.293                    |            |
| 17,000.00                   | 11,167.37                   | 11,217.32                   | 11,167.37                   | 81.55                                  | 39.53            | -91.99                      | 7,641.87                                  | 359.68          | 1,962.68                                 | 1,888.87                      | 73.81                           | 26.591                    |            |
| 17,100.00                   | 11,166.51                   | 11,216.45                   | 11,166.51                   | 82.87                                  | 39.52            | -91.88                      | 7,641.87                                  | 359.68          | 1,865.82                                 | 1,790.90                      | 74.92                           | 24.903                    |            |
| 17,200.00                   | 11,165.64                   | 11,215.59                   | 11,165.64                   | 84.20                                  | 39.52            | -91.78                      | 7,641.87                                  | 359.68          | 1,769.32                                 | 1,693.15                      | 76.16                           | 23.230                    |            |
| 17,300.00                   | 11,164.77                   | 11,214.72                   | 11,164.77                   | 85.53                                  | 39.52            | -91.67                      | 7,641.87                                  | 359.68          | 1,673.22                                 | 1,595.67                      | 77.55                           | 21.576                    |            |
| 17,400.00                   | 11,163.91                   | 11,213.85                   | 11,163.91                   | 86.86                                  | 39.52            | -91.57                      | 7,641.87                                  | 359.68          | 1,577.61                                 | 1,498.50                      | 79.11                           | 19.942                    |            |
| 17,500.00                   | 11,163.04                   | 11,212.99                   | 11,163.04                   | 88.19                                  | 39.51            | -91.46                      | 7,641.87                                  | 359.68          | 1,482.58                                 | 1,401.71                      | 80.87                           | 18.333                    |            |
| 17,600.00                   | 11,162.18                   | 11,212.12                   | 11,162.18                   | 89.53                                  | 39.51            | -91.36                      | 7,641.87                                  | 359.68          | 1,388.25                                 | 1,305.37                      | 82.88                           | 16.751                    |            |
| 17,700.00                   | 11,161.31                   | 11,211.25                   | 11,161.31                   | 90.86                                  | 39.51            | -91.26                      | 7,641.87                                  | 359.68          | 1,294.76                                 | 1,209.59                      | 85.17                           | 15.202                    |            |
| 17,800.00                   | 11,160.44                   | 11,210.39                   | 11,160.44                   | 92.20                                  | 39.50            | -91.15                      | 7,641.87                                  | 359.68          | 1,202.33                                 | 1,114.51                      | 87.81                           | 13.692                    |            |
| 17,900.00                   | 11,159.58                   | 11,209.52                   | 11,159.58                   | 93.53                                  | 39.50            | -91.05                      | 7,641.87                                  | 359.68          | 1,111.20                                 | 1,020.33                      | 90.87                           | 12.228                    |            |
| 18,000.00                   | 11,158.71                   | 11,208.65                   | 11,158.71                   | 94.87                                  | 39.50            | -90.94                      | 7,641.87                                  | 359.68          | 1,021.73                                 | 927.30                        | 94.44                           | 10.819                    |            |
| 18,100.00                   | 11,157.84                   | 11,207.79                   | 11,157.84                   | 96.21                                  | 39.49            | -90.84                      | 7,641.87                                  | 359.68          | 934.41                                   | 835.79                        | 98.61                           | 9.476                     |            |
| 18,200.00                   | 11,156.98                   | 11,206.92                   | 11,156.98                   | 97.55                                  | 39.49            | -90.73                      | 7,641.87                                  | 359.68          | 849.88                                   | 746.37                        | 103.51                          | 8.211                     |            |
| 18,300.00                   | 11,156.11                   | 11,206.05                   | 11,156.11                   | 98.89                                  | 39.49            | -90.63                      | 7,641.87                                  | 359.68          | 769.07                                   | 659.84                        | 109.23                          | 7.041                     |            |
| 18,400.00                   | 11,155.24                   | 11,205.19                   | 11,155.24                   | 100.23                                 | 39.49            | -90.53                      | 7,641.87                                  | 359.68          | 693.28                                   | 577.43                        | 115.85                          | 5.984                     |            |
| 18,500.00                   | 11,154.38                   | 11,204.32                   | 11,154.38                   | 101.57                                 | 39.48            | -90.42                      | 7,641.87                                  | 359.68          | 624.34                                   | 501.06                        | 123.28                          | 5.064                     |            |
| 18,600.00                   | 11,153.51                   | 11,203.46                   | 11,153.51                   | 102.91                                 | 39.48            | -90.32                      | 7,641.87                                  | 359.68          | 564.77                                   | 433.61                        | 131.17                          | 4.306                     |            |
| 18,700.00                   | 11,152.64                   | 11,202.59                   | 11,152.64                   | 104.26                                 | 39.48            | -90.21                      | 7,641.87                                  | 359.68          | 517.82                                   | 379.20                        | 138.62                          | 3.736                     |            |
| 18,800.00                   | 11,151.78                   | 11,201.72                   | 11,151.78                   | 105.60                                 | 39.47            | -90.11                      | 7,641.87                                  | 359.68          | 487.14                                   | 343.00                        | 144.13                          | 3.380                     |            |
| 18,849.18                   | 11,151.35                   | 11,201.30                   | 11,151.35                   | 106.26                                 | 39.47            | -90.06                      | 7,641.87                                  | 359.68          | 479.03                                   | 333.42                        | 145.61                          | 3.290                     | CC, ES, SF |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Pad - John Callahan Fed Com 113H - OH - OH

| Survey Program: 29-, 946-   |                             | Rule Assigned:              |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | Offset Site Error:   | 0.00 usft |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Reference                   |                             | Offset Well Error:          |                             |                                        |                  |                             |                                           |                 |                                          |                               |                                 | 0.00 usft            |           |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 16,400.00                   | 11,172.57                   | 10,085.00                   | 9,988.54                    | 73.62                                  | 32.37            | 39.52                       | 6,514.33                                  | 1,812.36        | 2,048.75                                 | 1,984.15                      | 64.60                           | 31.715               |           |
| 16,500.00                   | 11,171.71                   | 10,085.00                   | 9,988.54                    | 74.93                                  | 32.37            | 39.52                       | 6,514.33                                  | 1,812.36        | 1,983.06                                 | 1,916.68                      | 66.38                           | 29.875               |           |
| 16,600.00                   | 11,170.84                   | 10,137.88                   | 10,026.90                   | 76.25                                  | 32.49            | 40.43                       | 6,550.69                                  | 1,810.63        | 1,918.78                                 | 1,850.57                      | 68.21                           | 28.132               |           |
| 16,700.00                   | 11,169.97                   | 10,180.00                   | 10,056.36                   | 77.57                                  | 32.60            | 41.14                       | 6,580.74                                  | 1,808.95        | 1,856.74                                 | 1,786.60                      | 70.14                           | 26.472               |           |
| 16,800.00                   | 11,169.11                   | 10,206.52                   | 10,074.38                   | 78.90                                  | 32.66            | 41.58                       | 6,600.15                                  | 1,807.72        | 1,796.68                                 | 1,724.47                      | 72.21                           | 24.881               |           |
| 16,900.00                   | 11,168.24                   | 10,243.84                   | 10,099.00                   | 80.22                                  | 32.74            | 42.18                       | 6,628.12                                  | 1,805.69        | 1,738.81                                 | 1,664.46                      | 74.35                           | 23.386               |           |
| 17,000.00                   | 11,167.37                   | 10,275.00                   | 10,118.88                   | 81.55                                  | 32.82            | 42.68                       | 6,652.04                                  | 1,803.74        | 1,683.22                                 | 1,606.60                      | 76.62                           | 21.969               |           |
| 17,100.00                   | 11,166.51                   | 10,275.00                   | 10,118.88                   | 82.87                                  | 32.82            | 42.68                       | 6,652.04                                  | 1,803.74        | 1,631.28                                 | 1,552.17                      | 79.11                           | 20.620               |           |
| 17,200.00                   | 11,165.64                   | 10,329.02                   | 10,151.20                   | 84.20                                  | 32.94            | 43.51                       | 6,695.20                                  | 1,800.73        | 1,581.05                                 | 1,499.58                      | 81.47                           | 19.406               |           |
| 17,300.00                   | 11,164.77                   | 10,371.00                   | 10,174.02                   | 85.53                                  | 33.03            | 44.14                       | 6,730.40                                  | 1,799.19        | 1,535.42                                 | 1,451.46                      | 83.96                           | 18.288               |           |
| 17,400.00                   | 11,163.91                   | 10,371.00                   | 10,174.02                   | 86.86                                  | 33.03            | 44.14                       | 6,730.40                                  | 1,799.19        | 1,493.24                                 | 1,406.53                      | 86.71                           | 17.221               |           |
| 17,500.00                   | 11,163.04                   | 10,371.00                   | 10,174.02                   | 88.19                                  | 33.03            | 44.14                       | 6,730.40                                  | 1,799.19        | 1,456.72                                 | 1,367.26                      | 89.46                           | 16.283               |           |
| 17,600.00                   | 11,162.18                   | 10,430.04                   | 10,201.80                   | 89.53                                  | 33.14            | 44.97                       | 6,782.45                                  | 1,798.50        | 1,421.97                                 | 1,329.95                      | 92.02                           | 15.453               |           |
| 17,700.00                   | 11,161.31                   | 10,466.00                   | 10,215.81                   | 90.86                                  | 33.21            | 45.42                       | 6,815.55                                  | 1,799.03        | 1,393.50                                 | 1,298.87                      | 94.64                           | 14.725               |           |
| 17,800.00                   | 11,160.44                   | 10,466.00                   | 10,215.81                   | 92.20                                  | 33.21            | 45.42                       | 6,815.55                                  | 1,799.03        | 1,370.09                                 | 1,272.78                      | 97.31                           | 14.079               |           |
| 17,900.00                   | 11,159.58                   | 10,512.91                   | 10,230.30                   | 93.53                                  | 33.29            | 45.93                       | 6,860.13                                  | 1,800.35        | 1,351.03                                 | 1,251.32                      | 99.72                           | 13.548               |           |
| 18,000.00                   | 11,158.71                   | 10,561.00                   | 10,240.22                   | 94.87                                  | 33.36            | 46.31                       | 6,907.13                                  | 1,801.98        | 1,337.85                                 | 1,235.91                      | 101.94                          | 13.124               |           |
| 18,100.00                   | 11,157.84                   | 10,583.82                   | 10,243.56                   | 96.21                                  | 33.40            | 46.45                       | 6,929.69                                  | 1,802.88        | 1,328.88                                 | 1,224.76                      | 104.12                          | 12.763               |           |
| 18,200.00                   | 11,156.98                   | 10,656.00                   | 10,251.95                   | 97.55                                  | 33.49            | 46.86                       | 7,001.28                                  | 1,806.50        | 1,324.22                                 | 1,218.25                      | 105.97                          | 12.496               |           |
| 18,300.00                   | 11,156.11                   | 10,708.18                   | 10,255.72                   | 98.89                                  | 33.57            | 47.08                       | 7,053.26                                  | 1,808.97        | 1,322.20                                 | 1,214.43                      | 107.77                          | 12.269               |           |
| 18,338.75                   | 11,155.77                   | 10,737.74                   | 10,256.91                   | 99.41                                  | 33.61            | 47.16                       | 7,082.78                                  | 1,809.86        | 1,322.02                                 | 1,213.65                      | 108.37                          | 12.199               | CC        |
| 18,400.00                   | 11,155.24                   | 10,779.47                   | 10,257.39                   | 100.23                                 | 33.67            | 47.22                       | 7,124.50                                  | 1,810.58        | 1,322.37                                 | 1,213.09                      | 109.28                          | 12.101               | ES        |
| 18,500.00                   | 11,154.38                   | 10,847.00                   | 10,255.20                   | 101.57                                 | 33.77            | 47.20                       | 7,191.99                                  | 1,811.05        | 1,325.07                                 | 1,214.46                      | 110.61                          | 11.980               |           |
| 18,600.00                   | 11,153.51                   | 10,925.80                   | 10,249.76                   | 102.91                                 | 33.92            | 47.07                       | 7,270.59                                  | 1,811.09        | 1,329.82                                 | 1,218.08                      | 111.74                          | 11.901               |           |
| 18,700.00                   | 11,152.64                   | 11,051.59                   | 10,241.31                   | 104.26                                 | 34.18            | 46.86                       | 7,396.09                                  | 1,810.85        | 1,334.32                                 | 1,221.77                      | 112.56                          | 11.855               |           |
| 18,800.00                   | 11,151.78                   | 11,138.29                   | 10,236.15                   | 105.60                                 | 34.37            | 46.74                       | 7,482.64                                  | 1,810.71        | 1,338.32                                 | 1,224.64                      | 113.68                          | 11.773               |           |
| 18,849.18                   | 11,151.35                   | 11,186.31                   | 10,232.98                   | 106.26                                 | 34.49            | 46.67                       | 7,530.56                                  | 1,810.66        | 1,340.53                                 | 1,226.34                      | 114.19                          | 11.739               | SF        |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Pad - John Callahan Fed Com 137H - OH - OH

| Survey Program: 29-, 945- |                       | Rule Assigned:        |                       |                  |               |                       |                        |              |                        |                         |                           | Offset Well Error: |         | 0.00 usft |  |
|---------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|---------|-----------|--|
| Reference                 |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor  | Warning |           |  |
| Measured Depth (usft)     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                    |         |           |  |
| 15,900.00                 | 11,176.91             | 11,254.40             | 11,203.94             | 67.06            | 36.56         | 92.12                 | 6,333.90               | 1,970.67     | 2,023.12               | 1,952.55                | 70.57                     | 28.668             |         |           |  |
| 16,000.00                 | 11,176.04             | 11,252.66             | 11,202.19             | 68.37            | 36.55         | 92.03                 | 6,333.91               | 1,970.69     | 1,940.78               | 1,868.15                | 72.63                     | 26.721             |         |           |  |
| 16,100.00                 | 11,175.17             | 11,250.89             | 11,200.43             | 69.68            | 36.54         | 91.94                 | 6,333.93               | 1,970.71     | 1,860.18               | 1,785.29                | 74.89                     | 24.839             |         |           |  |
| 16,200.00                 | 11,174.31             | 11,249.09             | 11,198.63             | 70.99            | 36.54         | 91.85                 | 6,333.94               | 1,970.72     | 1,781.54               | 1,704.17                | 77.36                     | 23.028             |         |           |  |
| 16,300.00                 | 11,173.44             | 11,247.28             | 11,196.82             | 72.30            | 36.53         | 91.76                 | 6,333.96               | 1,970.74     | 1,705.13               | 1,625.07                | 80.06                     | 21.297             |         |           |  |
| 16,400.00                 | 11,172.57             | 11,245.44             | 11,194.98             | 73.62            | 36.52         | 91.66                 | 6,333.98               | 1,970.76     | 1,631.28               | 1,548.29                | 83.00                     | 19.655             |         |           |  |
| 16,500.00                 | 11,171.71             | 11,243.57             | 11,193.11             | 74.93            | 36.52         | 91.57                 | 6,334.00               | 1,970.78     | 1,560.35               | 1,474.18                | 86.17                     | 18.108             |         |           |  |
| 16,600.00                 | 11,170.84             | 11,241.68             | 11,191.22             | 76.25            | 36.51         | 91.47                 | 6,334.01               | 1,970.80     | 1,492.74               | 1,403.16                | 89.58                     | 16.664             |         |           |  |
| 16,700.00                 | 11,169.97             | 11,239.77             | 11,189.31             | 77.57            | 36.51         | 91.38                 | 6,334.03               | 1,970.82     | 1,428.93               | 1,335.72                | 93.21                     | 15.330             |         |           |  |
| 16,800.00                 | 11,169.11             | 11,237.83             | 11,187.36             | 78.90            | 36.50         | 91.28                 | 6,334.05               | 1,970.83     | 1,369.46               | 1,272.42                | 97.04                     | 14.112             |         |           |  |
| 16,900.00                 | 11,168.24             | 11,235.86             | 11,185.40             | 80.22            | 36.49         | 91.18                 | 6,334.07               | 1,970.85     | 1,314.91               | 1,213.88                | 101.03                    | 13.015             |         |           |  |
| 17,000.00                 | 11,167.37             | 11,233.86             | 11,183.40             | 81.55            | 36.49         | 91.07                 | 6,334.09               | 1,970.87     | 1,265.92               | 1,160.81                | 105.11                    | 12.044             |         |           |  |
| 17,100.00                 | 11,166.51             | 11,231.84             | 11,181.38             | 82.87            | 36.48         | 90.97                 | 6,334.11               | 1,970.89     | 1,223.16               | 1,113.96                | 109.20                    | 11.201             |         |           |  |
| 17,200.00                 | 11,165.64             | 11,229.79             | 11,179.33             | 84.20            | 36.47         | 90.87                 | 6,334.14               | 1,970.91     | 1,187.29               | 1,074.11                | 113.18                    | 10.490             |         |           |  |
| 17,300.00                 | 11,164.77             | 11,227.71             | 11,177.25             | 85.53            | 36.46         | 90.76                 | 6,334.16               | 1,970.92     | 1,158.96               | 1,042.03                | 116.93                    | 9.911              |         |           |  |
| 17,400.00                 | 11,163.91             | 11,225.60             | 11,175.14             | 86.86            | 36.46         | 90.65                 | 6,334.18               | 1,970.94     | 1,138.74               | 1,018.42                | 120.31                    | 9.465              |         |           |  |
| 17,500.00                 | 11,163.04             | 11,223.46             | 11,173.00             | 88.19            | 36.45         | 90.54                 | 6,334.20               | 1,970.96     | 1,127.05               | 1,003.85                | 123.20                    | 9.148              |         |           |  |
| 17,582.45                 | 11,162.33             | 11,221.67             | 11,171.22             | 89.29            | 36.44         | 90.45                 | 6,334.22               | 1,970.97     | 1,124.03               | 998.90                  | 125.13                    | 8.983              | CC      |           |  |
| 17,600.00                 | 11,162.18             | 11,221.29             | 11,170.83             | 89.53            | 36.44         | 90.43                 | 6,334.23               | 1,970.98     | 1,124.17               | 998.68                  | 125.49                    | 8.958              | ES      |           |  |
| 17,700.00                 | 11,161.31             | 11,219.09             | 11,168.63             | 90.86            | 36.43         | 90.32                 | 6,334.25               | 1,970.99     | 1,130.16               | 1,003.05                | 127.11                    | 8.891              | SF      |           |  |
| 17,800.00                 | 11,160.44             | 11,216.86             | 11,166.40             | 92.20            | 36.43         | 90.21                 | 6,334.28               | 1,971.01     | 1,144.88               | 1,016.83                | 128.05                    | 8.941              |         |           |  |
| 17,900.00                 | 11,159.58             | 11,214.59             | 11,164.13             | 93.53            | 36.42         | 90.09                 | 6,334.30               | 1,971.03     | 1,168.01               | 1,039.67                | 128.34                    | 9.101              |         |           |  |
| 18,000.00                 | 11,158.71             | 11,212.29             | 11,161.83             | 94.87            | 36.41         | 89.97                 | 6,334.33               | 1,971.04     | 1,199.05               | 1,071.00                | 128.04                    | 9.364              |         |           |  |
| 18,100.00                 | 11,157.84             | 11,209.96             | 11,159.50             | 96.21            | 36.40         | 89.86                 | 6,334.36               | 1,971.06     | 1,237.41               | 1,110.15                | 127.26                    | 9.724              |         |           |  |
| 18,200.00                 | 11,156.98             | 11,207.59             | 11,157.13             | 97.55            | 36.39         | 89.74                 | 6,334.38               | 1,971.07     | 1,282.44               | 1,156.35                | 126.08                    | 10.171             |         |           |  |
| 18,300.00                 | 11,156.11             | 11,205.19             | 11,154.73             | 98.89            | 36.39         | 89.61                 | 6,334.41               | 1,971.09     | 1,333.45               | 1,208.83                | 124.62                    | 10.700             |         |           |  |
| 18,400.00                 | 11,155.24             | 11,202.74             | 11,152.29             | 100.23           | 36.38         | 89.49                 | 6,334.44               | 1,971.10     | 1,389.80               | 1,266.83                | 122.96                    | 11.302             |         |           |  |
| 18,500.00                 | 11,154.38             | 13,002.52             | 12,186.29             | 101.57           | 40.45         | 135.53                | 7,327.28               | 1,852.03     | 1,448.55               | 1,340.48                | 108.08                    | 13.403             |         |           |  |
| 18,600.00                 | 11,153.51             | 13,065.83             | 12,186.76             | 102.91           | 40.55         | 135.66                | 7,390.43               | 1,847.68     | 1,445.37               | 1,336.30                | 109.07                    | 13.252             |         |           |  |
| 18,700.00                 | 11,152.64             | 13,169.20             | 12,188.50             | 104.26           | 40.74         | 135.91                | 7,493.56               | 1,840.80     | 1,443.16               | 1,333.30                | 109.86                    | 13.136             |         |           |  |
| 18,800.00                 | 11,151.78             | 13,270.11             | 12,190.55             | 105.60           | 40.93         | 136.18                | 7,594.17               | 1,833.23     | 1,440.63               | 1,330.00                | 110.63                    | 13.022             |         |           |  |
| 18,849.18                 | 11,151.35             | 13,313.80             | 12,191.08             | 106.26           | 41.02         | 136.27                | 7,637.76               | 1,830.51     | 1,439.54               | 1,328.48                | 111.06                    | 12.962             |         |           |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

## Offset Design: John Callahan Pad - John Callahan Fed Com 223H - OH - OH

| <b>Survey Program:</b> 29-, 876- |                             | <b>Rule Assigned:</b>         |                             |                                        |                  |                             |                 |                 |                                          |                               |                                 | <b>Offset Site Error:</b> | 0.00 usft |
|----------------------------------|-----------------------------|-------------------------------|-----------------------------|----------------------------------------|------------------|-----------------------------|-----------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|---------------------------|-----------|
| <b>Reference</b>                 |                             | <b>Offset Wellbore Centre</b> |                             |                                        |                  |                             |                 |                 |                                          |                               |                                 | <b>Offset Well Error:</b> | 0.00 usft |
| Measured<br>Depth<br>(usft)      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft)   | Vertical<br>Depth<br>(usft) | Semi Major Axis<br>Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | +N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor      | Warning   |
| 15,700.00                        | 11,178.64                   | 11,253.36                     | 11,207.48                   | 64.46                                  | 36.66            | 93.03                       | 6,315.93        | 1,697.79        | 2,051.45                                 | 1,989.12                      | 62.33                           | 32.913                    |           |
| 15,800.00                        | 11,177.77                   | 11,249.69                     | 11,203.81                   | 65.76                                  | 36.65            | 92.78                       | 6,316.02        | 1,697.70        | 1,960.91                                 | 1,897.29                      | 63.62                           | 30.820                    |           |
| 15,900.00                        | 11,176.91                   | 11,246.02                     | 11,200.14                   | 67.06                                  | 36.63            | 92.54                       | 6,316.12        | 1,697.62        | 1,871.33                                 | 1,806.24                      | 65.10                           | 28.746                    |           |
| 16,000.00                        | 11,176.04                   | 11,242.34                     | 11,196.46                   | 68.37                                  | 36.62            | 92.29                       | 6,316.21        | 1,697.53        | 1,782.86                                 | 1,716.08                      | 66.77                           | 26.700                    |           |
| 16,100.00                        | 11,175.17                   | 11,238.65                     | 11,192.78                   | 69.68                                  | 36.61            | 92.04                       | 6,316.31        | 1,697.44        | 1,695.66                                 | 1,626.98                      | 68.67                           | 24.691                    |           |
| 16,200.00                        | 11,174.31                   | 11,234.95                     | 11,189.08                   | 70.99                                  | 36.59            | 91.79                       | 6,316.40        | 1,697.35        | 1,609.94                                 | 1,539.11                      | 70.83                           | 22.730                    |           |
| 16,300.00                        | 11,173.44                   | 11,231.25                     | 11,185.38                   | 72.30                                  | 36.58            | 91.54                       | 6,316.50        | 1,697.26        | 1,525.94                                 | 1,452.69                      | 73.26                           | 20.829                    |           |
| 16,400.00                        | 11,172.57                   | 11,227.54                     | 11,181.68                   | 73.62                                  | 36.57            | 91.30                       | 6,316.59        | 1,697.16        | 1,443.99                                 | 1,367.99                      | 76.00                           | 19.000                    |           |
| 16,500.00                        | 11,171.71                   | 11,223.83                     | 11,177.96                   | 74.93                                  | 36.55            | 91.05                       | 6,316.69        | 1,697.07        | 1,364.43                                 | 1,285.35                      | 79.08                           | 17.254                    |           |
| 16,600.00                        | 11,170.84                   | 11,220.10                     | 11,174.24                   | 76.25                                  | 36.54            | 90.79                       | 6,316.78        | 1,696.97        | 1,287.71                                 | 1,205.19                      | 82.52                           | 15.604                    |           |
| 16,700.00                        | 11,169.97                   | 11,216.38                     | 11,170.52                   | 77.57                                  | 36.53            | 90.54                       | 6,316.88        | 1,696.88        | 1,214.38                                 | 1,128.03                      | 86.35                           | 14.063                    |           |
| 16,800.00                        | 11,169.11                   | 11,212.64                     | 11,166.79                   | 78.90                                  | 36.51            | 90.29                       | 6,316.98        | 1,696.78        | 1,145.08                                 | 1,054.51                      | 90.57                           | 12.643                    |           |
| 16,900.00                        | 11,168.24                   | 11,208.90                     | 11,163.05                   | 80.22                                  | 36.50            | 90.04                       | 6,317.07        | 1,696.68        | 1,080.58                                 | 985.43                        | 95.15                           | 11.356                    |           |
| 17,000.00                        | 11,167.37                   | 11,205.15                     | 11,159.30                   | 81.55                                  | 36.49            | 89.79                       | 6,317.17        | 1,696.58        | 1,021.81                                 | 921.76                        | 100.05                          | 10.213                    |           |
| 17,100.00                        | 11,166.51                   | 11,201.39                     | 11,155.55                   | 82.87                                  | 36.47            | 89.53                       | 6,317.27        | 1,696.47        | 969.80                                   | 864.64                        | 105.16                          | 9.222                     |           |
| 17,200.00                        | 11,165.64                   | 11,197.63                     | 11,151.79                   | 84.20                                  | 36.46            | 89.28                       | 6,317.37        | 1,696.37        | 925.68                                   | 815.39                        | 110.29                          | 8.393                     |           |
| 17,300.00                        | 11,164.77                   | 11,193.86                     | 11,148.02                   | 85.53                                  | 36.45            | 89.03                       | 6,317.47        | 1,696.26        | 890.64                                   | 775.43                        | 115.21                          | 7.730                     |           |
| 17,400.00                        | 11,163.91                   | 11,190.08                     | 11,144.25                   | 86.86                                  | 36.43            | 88.77                       | 6,317.56        | 1,696.16        | 865.78                                   | 746.15                        | 119.63                          | 7.237                     |           |
| 17,500.00                        | 11,163.04                   | 11,186.30                     | 11,140.47                   | 88.19                                  | 36.42            | 88.52                       | 6,317.66        | 1,696.05        | 851.98                                   | 728.74                        | 123.24                          | 6.913                     |           |
| 17,568.64                        | 11,162.45                   | 11,183.70                     | 11,137.87                   | 89.11                                  | 36.41            | 88.34                       | 6,317.73        | 1,695.97        | 849.22                                   | 724.09                        | 125.13                          | 6.787                     | CC        |
| 17,600.00                        | 11,162.18                   | 11,182.51                     | 11,136.68                   | 89.53                                  | 36.41            | 88.26                       | 6,317.76        | 1,695.94        | 849.80                                   | 723.99                        | 125.81                          | 6.755                     | ES, SF    |
| 17,700.00                        | 11,161.31                   | 11,178.71                     | 11,132.88                   | 90.86                                  | 36.39            | 88.01                       | 6,317.86        | 1,695.82        | 859.30                                   | 732.10                        | 127.21                          | 6.755                     |           |
| 17,800.00                        | 11,160.44                   | 11,175.00                     | 11,129.17                   | 92.20                                  | 36.38            | 87.75                       | 6,317.96        | 1,695.71        | 880.13                                   | 752.68                        | 127.45                          | 6.906                     |           |
| 17,900.00                        | 11,159.58                   | 11,175.00                     | 11,129.17                   | 93.53                                  | 36.38            | 87.75                       | 6,317.96        | 1,695.71        | 911.50                                   | 784.81                        | 126.69                          | 7.195                     |           |
| 18,000.00                        | 11,158.71                   | 11,168.65                     | 11,122.83                   | 94.87                                  | 36.36            | 87.33                       | 6,318.12        | 1,695.53        | 952.37                                   | 827.24                        | 125.13                          | 7.611                     |           |
| 18,100.00                        | 11,157.84                   | 11,165.58                     | 11,119.76                   | 96.21                                  | 36.35            | 87.12                       | 6,318.20        | 1,695.44        | 1,001.58                                 | 878.55                        | 123.03                          | 8.141                     |           |
| 18,200.00                        | 11,156.98                   | 11,162.54                     | 11,116.72                   | 97.55                                  | 36.34            | 86.91                       | 6,318.28        | 1,695.35        | 1,057.97                                 | 937.37                        | 120.59                          | 8.773                     |           |
| 18,300.00                        | 11,156.11                   | 11,159.53                     | 11,113.72                   | 98.89                                  | 36.33            | 86.71                       | 6,318.36        | 1,695.26        | 1,120.45                                 | 1,002.45                      | 118.00                          | 9.495                     |           |
| 18,400.00                        | 11,155.24                   | 11,156.57                     | 11,110.75                   | 100.23                                 | 36.32            | 86.51                       | 6,318.43        | 1,695.18        | 1,188.07                                 | 1,072.69                      | 115.38                          | 10.297                    |           |
| 18,500.00                        | 11,154.38                   | 11,153.64                     | 11,107.83                   | 101.57                                 | 36.31            | 86.32                       | 6,318.50        | 1,695.10        | 1,259.99                                 | 1,147.18                      | 112.81                          | 11.169                    |           |
| 18,600.00                        | 11,153.51                   | 11,150.74                     | 11,104.93                   | 102.91                                 | 36.30            | 86.12                       | 6,318.57        | 1,695.02        | 1,335.53                                 | 1,225.18                      | 110.35                          | 12.103                    |           |
| 18,700.00                        | 11,152.64                   | 11,147.88                     | 11,102.07                   | 104.26                                 | 36.29            | 85.93                       | 6,318.64        | 1,694.94        | 1,414.09                                 | 1,306.06                      | 108.03                          | 13.090                    |           |
| 18,800.00                        | 11,151.78                   | 11,145.06                     | 11,099.25                   | 105.60                                 | 36.28            | 85.74                       | 6,318.71        | 1,694.87        | 1,495.22                                 | 1,389.36                      | 105.86                          | 14.124                    |           |
| 18,849.18                        | 11,151.35                   | 11,143.68                     | 11,097.87                   | 106.26                                 | 36.27            | 85.64                       | 6,318.75        | 1,694.83        | 1,535.93                                 | 1,431.07                      | 104.85                          | 14.648                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report



|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

Reference Depths are relative to GE 3300' + KB 26' @ 3326.00usft

Offset Depths are relative to Offset Datum

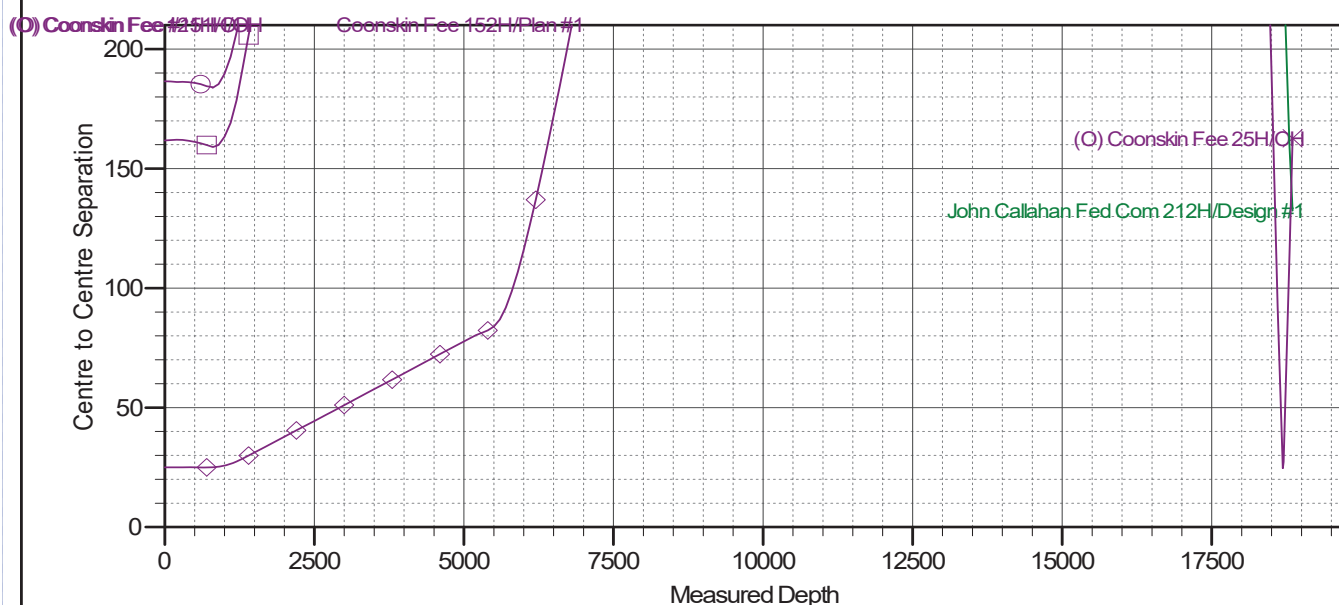
Central Meridian is -104.3333333

Coordinates are relative to: Coonskin Fee 122H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.51°

## Ladder Plot



## LEGEND

|                                              |                                            |                                         |
|----------------------------------------------|--------------------------------------------|-----------------------------------------|
| John Callahan Fed Com 202H, OH, Design #1 V0 | (O) Cosmo K Fee #223H, OH, OH V0           | (O) Coonskin Fee 601H, OH, OH V0        |
| John Callahan Fed Com 209H, OH, OH V0        | (O) Coonskin Fee 603H, OH, OH V0           | (O) Coonskin Fee 28H, OH, OH V0         |
| John Callahan Fed Com 112H, OH, Design #1 V0 | Coonskin Fee 152H, OH, Plan #1 V0          | (O) Cosmo K 24S35E3328 #113H, OH, OH V0 |
| John Callahan Fed Com 212H, OH, Design #1 V0 | (O) Coonskin Fee 121H, OH, OH V0           | (O) Coonskin Fee #151H, OH, OH V0       |
| John Callahan Fed Com 132H, OH, Design #1 V0 | (O) Cosmo K 24S35E3328 Fee 133H, OH, OH V0 | John Callahan Fed Com 113H, OH, OH V0   |
| John Callahan Fed Com 222H, OH, Design #1 V0 | (O) Coonskin Fee 602H, OH, OH V0           | John Callahan Fed Com 223H, OH, OH V0   |
| (O) Coonskin Fee 701H, OH, OH V0             | (O) Coonskin Fee 25H, OH, OH V0            | John Callahan Fed Com 137H, OH, OH V0   |
| (O) Coonskin Fee 702H, OH, OH V0             | (O) Coonskin Fee #112H, OH, OH V0          |                                         |
| (O) Coonskin Fee #111H, OH, OH V0            | (O) Cosmo K 24S35E3328 Fee 213H, OH, OH V0 |                                         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Total Directional Anticollision Report

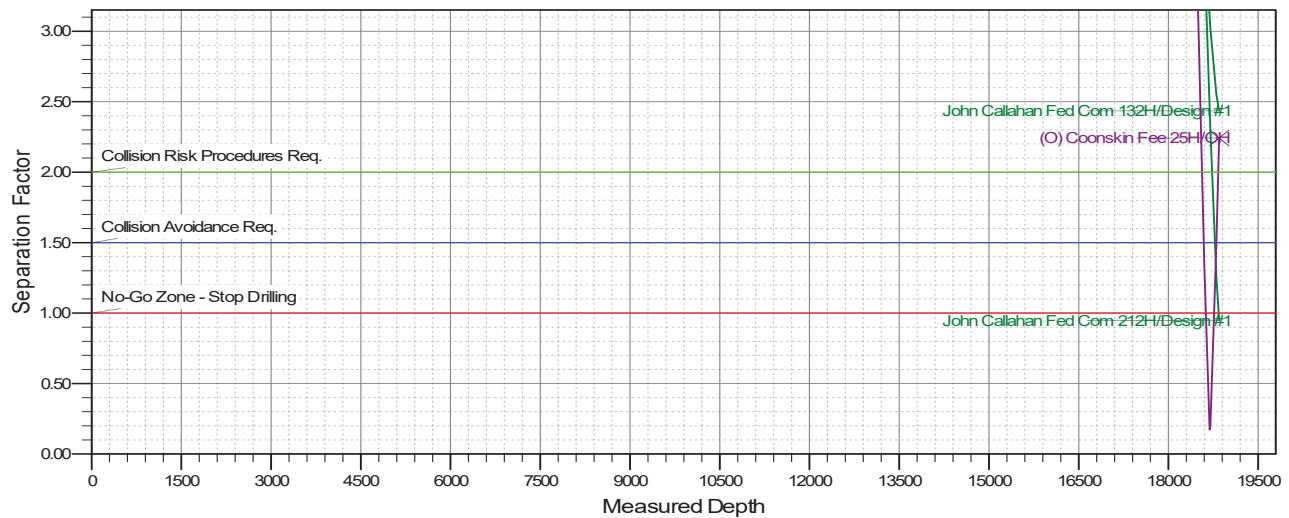


|                           |                         |                                     |                                  |
|---------------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>           | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Reference Site:</b>    | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site Error:</b>        | 0.00 usft               | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Coonskin Fee 122H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft               | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OH                      | <b>Database:</b>                    | .Total Directional Production DB |
| <b>Reference Design:</b>  | Plan #1                 | <b>Offset TVD Reference:</b>        | Reference Datum                  |

Reference Depths are relative to GE 3300' + KB 26' @ 3326.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is -104.3333333

Coordinates are relative to: Coonskin Fee 122H  
Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
Grid Convergence at Surface is: 0.51°

## Separation Factor Plot



### LEGEND

|                                              |                                            |                                         |
|----------------------------------------------|--------------------------------------------|-----------------------------------------|
| John Callahan Fed Com 202H, OH, Design #1 V0 | (O) Cosmo K Fee #223H, OH, OH V0           | (O) Coonskin Fee 601H, OH, OH V0        |
| John Callahan Fed Com 209H, OH, OH V0        | (O) Coonskin Fee 603H, OH, OH V0           | (O) Coonskin Fee 28H, OH, OH V0         |
| John Callahan Fed Com 112H, OH, Design #1 V0 | Coonskin Fee 152H, OH, Plan #1 V0          | (O) Cosmo K 24S35E3328 #113H, OH, OH V0 |
| John Callahan Fed Com 212H, OH, Design #1 V0 | (O) Coonskin Fee 121H, OH, OH V0           | (O) Coonskin Fee #151H, OH, OH V0       |
| John Callahan Fed Com 132H, OH, Design #1 V0 | (O) Cosmo K 24S35E3328 Fee 133H, OH, OH V0 | John Callahan Fed Com 113H, OH, OH V0   |
| John Callahan Fed Com 222H, OH, Design #1 V0 | (O) Coonskin Fee 602H, OH, OH V0           | John Callahan Fed Com 223H, OH, OH V0   |
| (O) Coonskin Fee 701H, OH, OH V0             | (O) Coonskin Fee 25H, OH, OH V0            | John Callahan Fed Com 137H, OH, OH V0   |
| (O) Coonskin Fee 702H, OH, OH V0             | (O) Coonskin Fee #112H, OH, OH V0          |                                         |
| (O) Coonskin Fee #111H, OH, OH V0            | (O) Cosmo K 24S35E3328 Fee 213H, OH, OH V0 |                                         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Project: Lea County, NM (NAD 83)  
Site: Coonskin Fee Pad  
Well: Coonskin Fee 122H  
Wellbore: OH  
Design: Plan #1  
Rig:



Azimuths to Grid North  
True North: 0.51°  
Magnetic North: 5.56°  
Magnetic Field  
Strength: 47109.5nT  
Dip Angle: 59.60°  
Date: 7/31/2025  
Model: HDGM2025

Total Magnetic Correction: 5.56°

PROJECT DETAILS: Lea County, NM (NAD 83)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone

Reference Datum: GE 3300' + KB 26' @ 3326.00usft



#### FORMATION TOP DETAILS

| TVDPath  | MDPath   | Formation                 |
|----------|----------|---------------------------|
| 544.00   | 544.00   | Rustler                   |
| 953.00   | 953.10   | Salado                    |
| 5238.00  | 5278.61  | DMG/Bell Canyon           |
| 6161.00  | 6210.68  | Cherry Canyon             |
| 7677.00  | 7740.26  | Brushy Canyon             |
| 8823.00  | 8886.42  | Brushy Canyon Lwr         |
| 9023.00  | 9086.42  | Avalon Upr                |
| 9291.00  | 9354.42  | Avalon Mid                |
| 9712.00  | 9775.42  | Avalon Lwr                |
| 10190.00 | 10253.42 | 1st Bone Spring Sand      |
| 10365.00 | 10428.42 | 2nd Bone Spring Carbonate |
| 10982.00 | 11069.62 | 2nd Bone Spring Sand      |

#### SHL

RKB Elevation: GE 3300' + KB 26' @ 3326.00usft

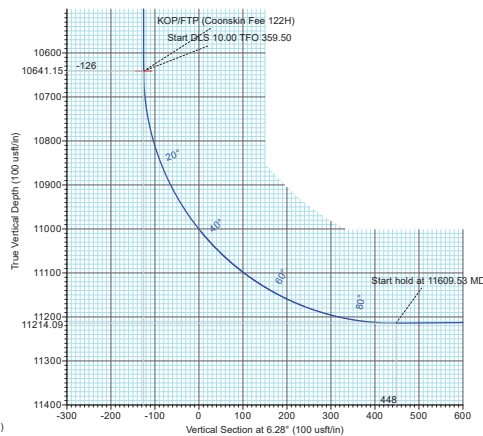
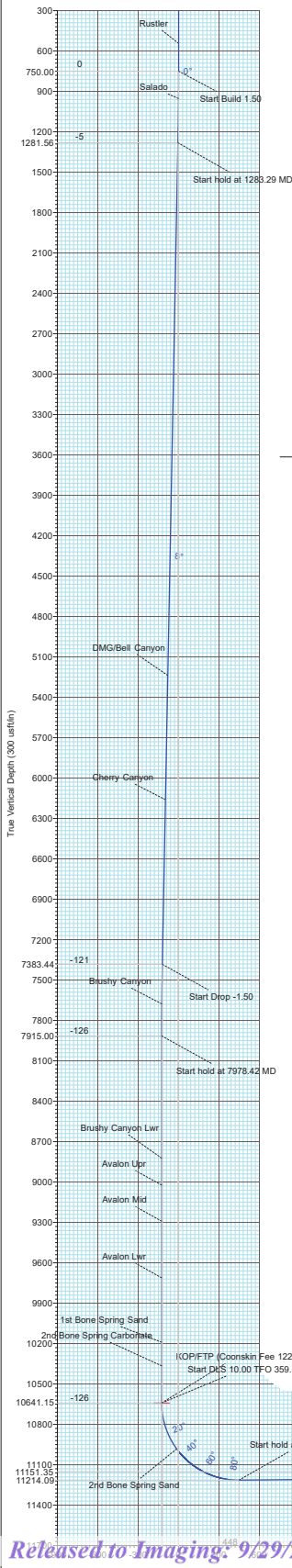
| +N/-S | +E/-W | Northing  | Easting   | Latitude   | Longitude    | Slot |
|-------|-------|-----------|-----------|------------|--------------|------|
| 0.00  | 0.00  | 428680.00 | 837410.00 | 32.1748998 | -103.3764224 |      |

#### SECTION DETAILS

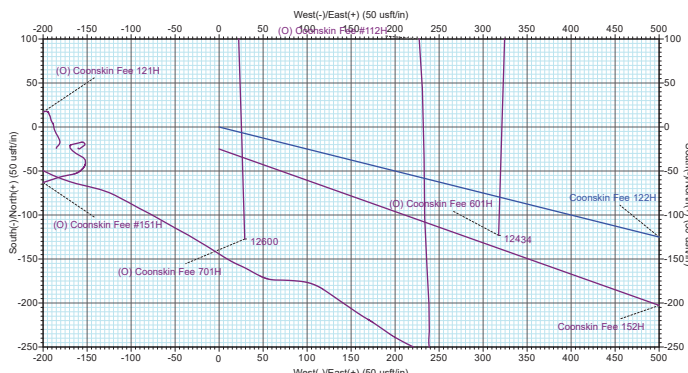
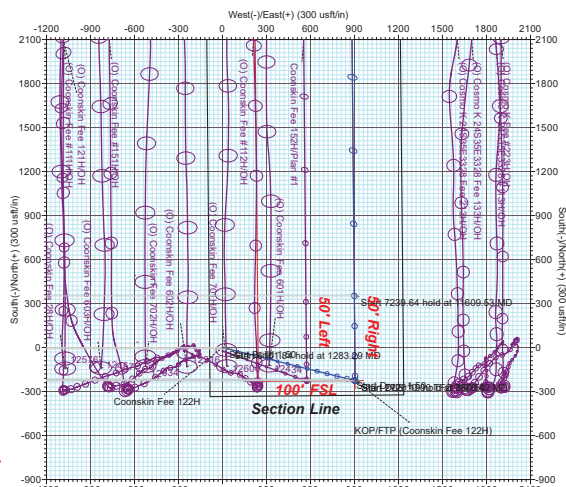
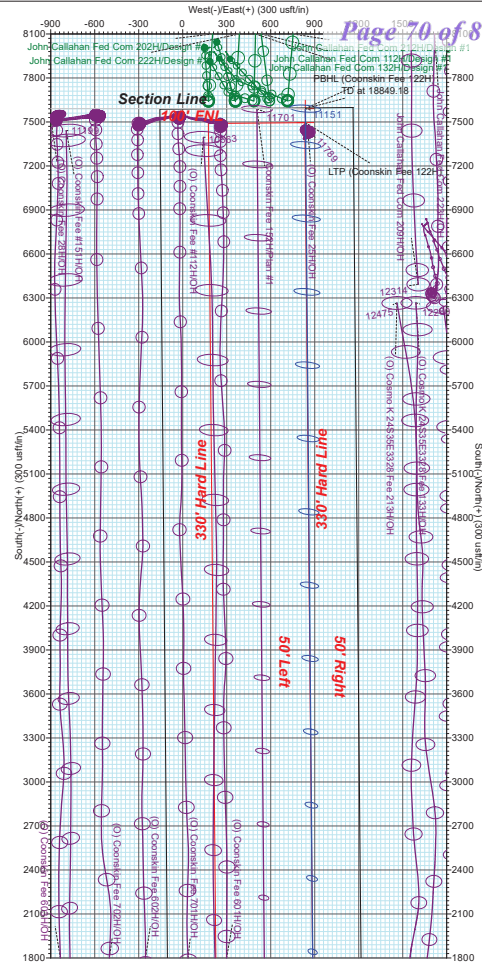
| MD       | Inc   | Azi    | TVD      | +N/-S   | +E/-W  | Dleg  | TFace  | VSec    | Target                   |
|----------|-------|--------|----------|---------|--------|-------|--------|---------|--------------------------|
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00    | 0.00   | 0.00  | 0.00   | 0.00    |                          |
| 750.00   | 0.00  | 0.00   | 750.00   | 0.00    | 0.00   | 0.00  | 0.00   | 0.00    |                          |
| 1283.29  | 8.00  | 104.04 | 1281.56  | -9.01   | 36.06  | 1.50  | 104.04 | -5.01   |                          |
| 7445.13  | 8.00  | 104.04 | 7383.44  | -216.99 | 867.94 | 0.00  | 0.00   | -120.67 |                          |
| 7978.42  | 0.00  | 0.00   | 7915.00  | -226.00 | 904.00 | 1.50  | 180.00 | -125.68 |                          |
| 10704.57 | 0.00  | 0.00   | 10641.15 | -226.00 | 904.00 | 0.00  | 0.00   | -125.68 |                          |
| 11609.53 | 90.50 | 359.50 | 11214.09 | 351.90  | 898.97 | 10.00 | 359.50 | 448.20  |                          |
| 18949.18 | 90.50 | 359.50 | 11151.35 | 7591.00 | 836.00 | 0.00  | 0.00   | 7636.90 | PBHL (Coonskin Fee 122H) |

#### WELLBORE TARGET DETAILS

| Name                        | TVD      | +N/-S   | +E/-W  | Northing  | Easting   | Latitude   | Longitude    |
|-----------------------------|----------|---------|--------|-----------|-----------|------------|--------------|
| KOP/FTP (Coonskin Fee 122H) | 10641.15 | -226.00 | 904.00 | 428454.00 | 838314.00 | 32.1742565 | -103.3735076 |
| PBHL (Coonskin Fee 122H)    | 11151.35 | 7591.00 | 836.00 | 436271.00 | 838246.00 | 32.1957435 | -103.3735019 |
| LTP (Coonskin Fee 122H)     | 11152.17 | 7496.00 | 837.00 | 436176.00 | 838247.00 | 32.1954823 | -103.3735014 |



Do Not Cross SL



# Civitas Resources

Lea County, NM (NAD 83)  
Coonskin Fee Pad  
Coonskin Fee 122H

OH

Plan: Plan #1



## Standard Plan Report

01 August, 2025

Total Report Version 1.80

COMPASS 5000.16 Build 97

### ATTENTION

All annotation callouts related to distances are uncertified and are approximated footages using available software and measurement tools. They should not be mistaken as an official record, which can only be obtained via a certified land surveyor.

# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD 83)   | <b>System Datum:</b> | Mean Sea Level |
| <b>Map System:</b> | US State Plane 1983       |                      |                |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

|                              |                  |                     |                 |                   |              |
|------------------------------|------------------|---------------------|-----------------|-------------------|--------------|
| <b>Site</b>                  | Coonskin Fee Pad |                     |                 |                   |              |
| <b>Site Position:</b>        |                  | <b>Northing:</b>    | 428,680.00 usft | <b>Latitude:</b>  | 32.1748998   |
| <b>From:</b>                 | Map              | <b>Easting:</b>     | 837,410.00 usft | <b>Longitude:</b> | -103.3764224 |
| <b>Position Uncertainty:</b> | 0.00 usft        | <b>Slot Radius:</b> | 13-3/16 "       |                   |              |

|                      |                   |           |                     |                 |               |               |
|----------------------|-------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | Coonskin Fee 122H |           |                     |                 |               |               |
| Well Position        | +N/-S             | 0.00 usft | Northing:           | 428,680.00 usft | Latitude:     | 32.1748998    |
|                      | +E/-W             | 0.00 usft | Easting:            | 837,410.00 usft | Longitude:    | -103.3764224  |
| Position Uncertainty |                   | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,300.00 usft |
| Grid Convergence:    |                   | 0.51 °    |                     |                 |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM2025          | 7/31/2025          | 6.07                   | 59.60                | 47,109.50000000            |

|                          |                                |                     |                      |                      |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| <b>Design</b>            | Plan #1                        |                     |                      |                      |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |  |
|                          | 0.00                           | 0.00                | 0.00                 | 6.28                 |  |

|                            |                  |                          |                   |                                         |  |
|----------------------------|------------------|--------------------------|-------------------|-----------------------------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b>      | 8/1/2025                 |                   |                                         |  |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>  | <b>Description</b>                      |  |
| 0.00                       | 18,849.18        | Plan #1 (OH)             | MWD+HRGM+SAG+FDIF | OWSG MWD + HRGM + SAG + FDIR Correction |  |

## Plan Summary

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target            |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-------------------|
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                   |
| 750.00                | 0.00            | 0.00        | 750.00                | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                   |
| 1,283.29              | 8.00            | 104.04      | 1,281.56              | -9.01        | 36.06        | 1.50                    | 1.50                   | 0.00                  | 104.04  |                   |
| 7,445.13              | 8.00            | 104.04      | 7,383.44              | -216.99      | 867.94       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                   |
| 7,978.42              | 0.00            | 0.00        | 7,915.00              | -226.00      | 904.00       | 1.50                    | -1.50                  | 0.00                  | 180.00  |                   |
| 10,704.57             | 0.00            | 0.00        | 10,641.15             | -226.00      | 904.00       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                   |
| 11,609.53             | 90.50           | 359.50      | 11,214.09             | 351.90       | 898.97       | 10.00                   | 10.00                  | -0.06                 | 359.50  |                   |
| 18,849.18             | 90.50           | 359.50      | 11,151.35             | 7,591.00     | 836.00       | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL (Coonskin Fe |



# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth<br>(usft) | INC<br>(°) | AZI<br>(°) | Vertical Depth<br>(usft) | Local Coordinates<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Map Coordinates<br>Northing<br>(usft) | Easting<br>(usft) | Geo Coordinates<br>Latitude<br>(°) | Longitude<br>(°) | Vertical Section<br>(usft) | Dogleg Rate<br>(°/100usft) | Build Rate<br>(°/100usft) | Turn Rate<br>(°/100usft) |
|--------------------------|------------|------------|--------------------------|--------------------------------------|-----------------|---------------------------------------|-------------------|------------------------------------|------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| 0.00                     | 0.00       | 0.00       | 0.00                     | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 100.00                   | 0.00       | 0.00       | 100.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 200.00                   | 0.00       | 0.00       | 200.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 300.00                   | 0.00       | 0.00       | 300.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 400.00                   | 0.00       | 0.00       | 400.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 500.00                   | 0.00       | 0.00       | 500.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 544.00                   | 0.00       | 0.00       | 544.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| <b>Rustler</b>           |            |            |                          |                                      |                 |                                       |                   |                                    |                  |                            |                            |                           |                          |
| 600.00                   | 0.00       | 0.00       | 600.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 700.00                   | 0.00       | 0.00       | 700.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 750.00                   | 0.00       | 0.00       | 750.00                   | 0.00                                 | 0.00            | 428,680.00                            | 837,410.00        | 32.1748998                         | -103.3764224     | 0.00                       | 0.00                       | 0.00                      | 0.00                     |
| 800.00                   | 0.75       | 104.04     | 800.00                   | -0.08                                | 0.32            | 428,679.92                            | 837,410.32        | 32.1748996                         | -103.3764214     | -0.04                      | 1.50                       | 1.50                      | 0.00                     |
| 900.00                   | 2.25       | 104.04     | 899.96                   | -0.71                                | 2.86            | 428,679.29                            | 837,412.86        | 32.1748978                         | -103.3764132     | -0.40                      | 1.50                       | 1.50                      | 0.00                     |
| 953.10                   | 3.05       | 104.04     | 953.00                   | -1.31                                | 5.24            | 428,678.69                            | 837,415.24        | 32.1748961                         | -103.3764055     | -0.73                      | 1.50                       | 1.50                      | 0.00                     |
| <b>Salado</b>            |            |            |                          |                                      |                 |                                       |                   |                                    |                  |                            |                            |                           |                          |
| 1,000.00                 | 3.75       | 104.04     | 999.82                   | -1.98                                | 7.93            | 428,678.02                            | 837,417.93        | 32.1748942                         | -103.3763968     | -1.10                      | 1.50                       | 1.50                      | 0.00                     |
| 1,100.00                 | 5.25       | 104.04     | 1,099.51                 | -3.89                                | 15.55           | 428,676.11                            | 837,425.55        | 32.1748887                         | -103.3763723     | -2.16                      | 1.50                       | 1.50                      | 0.00                     |
| 1,200.00                 | 6.75       | 104.04     | 1,198.96                 | -6.42                                | 25.69           | 428,673.58                            | 837,435.69        | 32.1748815                         | -103.3763396     | -3.57                      | 1.50                       | 1.50                      | 0.00                     |
| 1,283.29                 | 8.00       | 104.04     | 1,281.56                 | -9.01                                | 36.06           | 428,670.99                            | 837,446.06        | 32.1748741                         | -103.3763062     | -5.01                      | 1.50                       | 1.50                      | 0.00                     |
| 1,300.00                 | 8.00       | 104.04     | 1,298.11                 | -9.58                                | 38.31           | 428,670.42                            | 837,448.31        | 32.1748725                         | -103.3762989     | -5.33                      | 0.00                       | 0.00                      | 0.00                     |
| 1,400.00                 | 8.00       | 104.04     | 1,397.13                 | -12.95                               | 51.81           | 428,667.05                            | 837,461.81        | 32.1748629                         | -103.3762554     | -7.20                      | 0.00                       | 0.00                      | 0.00                     |
| 1,500.00                 | 8.00       | 104.04     | 1,496.16                 | -16.33                               | 65.31           | 428,663.67                            | 837,475.31        | 32.1748533                         | -103.3762118     | -9.08                      | 0.00                       | 0.00                      | 0.00                     |
| 1,600.00                 | 8.00       | 104.04     | 1,595.19                 | -19.70                               | 78.82           | 428,660.30                            | 837,488.82        | 32.1748437                         | -103.3761683     | -10.96                     | 0.00                       | 0.00                      | 0.00                     |
| 1,700.00                 | 8.00       | 104.04     | 1,694.21                 | -23.08                               | 92.32           | 428,656.92                            | 837,502.32        | 32.1748341                         | -103.3761248     | -12.83                     | 0.00                       | 0.00                      | 0.00                     |
| 1,800.00                 | 8.00       | 104.04     | 1,793.24                 | -26.45                               | 105.82          | 428,653.55                            | 837,515.82        | 32.1748245                         | -103.3760812     | -14.71                     | 0.00                       | 0.00                      | 0.00                     |
| 1,900.00                 | 8.00       | 104.04     | 1,892.27                 | -29.83                               | 119.32          | 428,650.17                            | 837,529.32        | 32.1748149                         | -103.3760377     | -16.59                     | 0.00                       | 0.00                      | 0.00                     |
| 2,000.00                 | 8.00       | 104.04     | 1,991.30                 | -33.20                               | 132.82          | 428,646.80                            | 837,542.82        | 32.1748053                         | -103.3759942     | -18.47                     | 0.00                       | 0.00                      | 0.00                     |
| 2,100.00                 | 8.00       | 104.04     | 2,090.32                 | -36.58                               | 146.32          | 428,643.42                            | 837,556.32        | 32.1747957                         | -103.3759506     | -20.34                     | 0.00                       | 0.00                      | 0.00                     |
| 2,200.00                 | 8.00       | 104.04     | 2,189.35                 | -39.95                               | 159.82          | 428,640.05                            | 837,569.82        | 32.1747861                         | -103.3759071     | -22.22                     | 0.00                       | 0.00                      | 0.00                     |
| 2,300.00                 | 8.00       | 104.04     | 2,288.38                 | -43.33                               | 173.32          | 428,636.67                            | 837,583.32        | 32.1747765                         | -103.3758636     | -24.10                     | 0.00                       | 0.00                      | 0.00                     |
| 2,400.00                 | 8.00       | 104.04     | 2,387.40                 | -46.71                               | 186.82          | 428,633.29                            | 837,596.82        | 32.1747669                         | -103.3758200     | -25.97                     | 0.00                       | 0.00                      | 0.00                     |
| 2,500.00                 | 8.00       | 104.04     | 2,486.43                 | -50.08                               | 200.32          | 428,629.92                            | 837,610.32        | 32.1747573                         | -103.3757765     | -27.85                     | 0.00                       | 0.00                      | 0.00                     |
| 2,600.00                 | 8.00       | 104.04     | 2,585.46                 | -53.46                               | 213.82          | 428,626.54                            | 837,623.82        | 32.1747476                         | -103.3757330     | -29.73                     | 0.00                       | 0.00                      | 0.00                     |
| 2,700.00                 | 8.00       | 104.04     | 2,684.48                 | -56.83                               | 227.32          | 428,623.17                            | 837,637.32        | 32.1747380                         | -103.3756894     | -31.60                     | 0.00                       | 0.00                      | 0.00                     |
| 2,800.00                 | 8.00       | 104.04     | 2,783.51                 | -60.21                               | 240.82          | 428,619.79                            | 837,650.82        | 32.1747284                         | -103.3756459     | -33.48                     | 0.00                       | 0.00                      | 0.00                     |
| 2,900.00                 | 8.00       | 104.04     | 2,882.54                 | -63.58                               | 254.32          | 428,616.42                            | 837,664.32        | 32.1747188                         | -103.3756024     | -35.36                     | 0.00                       | 0.00                      | 0.00                     |
| 3,000.00                 | 8.00       | 104.04     | 2,981.57                 | -66.96                               | 267.82          | 428,613.04                            | 837,677.82        | 32.1747092                         | -103.3755588     | -37.24                     | 0.00                       | 0.00                      | 0.00                     |



# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth (usft)  | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Map Coordinates Northing (usft) | Map Coordinates Easting (usft) | Geo Coordinates Latitude (°) | Geo Coordinates Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|------------------------|---------|---------|-----------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| 3,100.00               | 8.00    | 104.04  | 3,080.59              | -70.33                         | 281.32                         | 428,609.67                      | 837,691.32                     | 32.1746996                   | -103.3755153                  | -39.11                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00               | 8.00    | 104.04  | 3,179.62              | -73.71                         | 294.82                         | 428,606.29                      | 837,704.82                     | 32.1746900                   | -103.3754718                  | -40.99                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00               | 8.00    | 104.04  | 3,278.65              | -77.08                         | 308.33                         | 428,602.92                      | 837,718.33                     | 32.1746804                   | -103.3754282                  | -42.87                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00               | 8.00    | 104.04  | 3,377.67              | -80.46                         | 321.83                         | 428,599.54                      | 837,731.83                     | 32.1746708                   | -103.3753847                  | -44.74                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00               | 8.00    | 104.04  | 3,476.70              | -83.83                         | 335.33                         | 428,596.17                      | 837,745.33                     | 32.1746612                   | -103.3753412                  | -46.62                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00               | 8.00    | 104.04  | 3,575.73              | -87.21                         | 348.83                         | 428,592.79                      | 837,758.83                     | 32.1746516                   | -103.3752977                  | -48.50                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00               | 8.00    | 104.04  | 3,674.75              | -90.58                         | 362.33                         | 428,589.42                      | 837,772.33                     | 32.1746420                   | -103.3752541                  | -50.37                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00               | 8.00    | 104.04  | 3,773.78              | -93.96                         | 375.83                         | 428,586.04                      | 837,785.83                     | 32.1746324                   | -103.3752106                  | -52.25                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00               | 8.00    | 104.04  | 3,872.81              | -97.33                         | 389.33                         | 428,582.67                      | 837,799.33                     | 32.1746228                   | -103.3751671                  | -54.13                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00               | 8.00    | 104.04  | 3,971.84              | -100.71                        | 402.83                         | 428,579.29                      | 837,812.83                     | 32.1746131                   | -103.3751235                  | -56.01                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00               | 8.00    | 104.04  | 4,070.86              | -104.08                        | 416.33                         | 428,575.92                      | 837,826.33                     | 32.1746035                   | -103.3750800                  | -57.88                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00               | 8.00    | 104.04  | 4,169.89              | -107.46                        | 429.83                         | 428,572.54                      | 837,839.83                     | 32.1745939                   | -103.3750365                  | -59.76                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00               | 8.00    | 104.04  | 4,268.92              | -110.83                        | 443.33                         | 428,569.17                      | 837,853.33                     | 32.1745843                   | -103.3749929                  | -61.64                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00               | 8.00    | 104.04  | 4,367.94              | -114.21                        | 456.83                         | 428,565.79                      | 837,866.83                     | 32.1745747                   | -103.3749494                  | -63.51                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00               | 8.00    | 104.04  | 4,466.97              | -117.58                        | 470.33                         | 428,562.42                      | 837,880.33                     | 32.1745651                   | -103.3749059                  | -65.39                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00               | 8.00    | 104.04  | 4,566.00              | -120.96                        | 483.83                         | 428,559.04                      | 837,893.83                     | 32.1745555                   | -103.3748623                  | -67.27                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00               | 8.00    | 104.04  | 4,665.02              | -124.33                        | 497.33                         | 428,555.67                      | 837,907.33                     | 32.1745459                   | -103.3748188                  | -69.14                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00               | 8.00    | 104.04  | 4,764.05              | -127.71                        | 510.83                         | 428,552.29                      | 837,920.83                     | 32.1745363                   | -103.3747753                  | -71.02                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00               | 8.00    | 104.04  | 4,863.08              | -131.08                        | 524.34                         | 428,548.92                      | 837,934.34                     | 32.1745267                   | -103.3747317                  | -72.90                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00               | 8.00    | 104.04  | 4,962.10              | -134.46                        | 537.84                         | 428,545.54                      | 837,947.84                     | 32.1745171                   | -103.3746882                  | -74.77                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00               | 8.00    | 104.04  | 5,061.13              | -137.83                        | 551.34                         | 428,542.17                      | 837,961.34                     | 32.1745075                   | -103.3746447                  | -76.65                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00               | 8.00    | 104.04  | 5,160.16              | -141.21                        | 564.84                         | 428,538.79                      | 837,974.84                     | 32.1744979                   | -103.3746011                  | -78.53                  | 0.00                    | 0.00                   | 0.00                  |
| 5,278.61               | 8.00    | 104.04  | 5,238.00              | -143.86                        | 575.45                         | 428,536.14                      | 837,985.45                     | 32.1744903                   | -103.3745669                  | -80.00                  | 0.00                    | 0.00                   | 0.00                  |
| <b>DMG/Bell Canyon</b> |         |         |                       |                                |                                |                                 |                                |                              |                               |                         |                         |                        |                       |
| 5,300.00               | 8.00    | 104.04  | 5,259.19              | -144.58                        | 578.34                         | 428,535.42                      | 837,988.34                     | 32.1744883                   | -103.3745576                  | -80.41                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00               | 8.00    | 104.04  | 5,358.21              | -147.96                        | 591.84                         | 428,532.04                      | 838,001.84                     | 32.1744786                   | -103.3745141                  | -82.28                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00               | 8.00    | 104.04  | 5,457.24              | -151.33                        | 605.34                         | 428,528.67                      | 838,015.34                     | 32.1744690                   | -103.3744706                  | -84.16                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00               | 8.00    | 104.04  | 5,556.27              | -154.71                        | 618.84                         | 428,525.29                      | 838,028.84                     | 32.1744594                   | -103.3744270                  | -86.04                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00               | 8.00    | 104.04  | 5,655.29              | -158.08                        | 632.34                         | 428,521.92                      | 838,042.34                     | 32.1744498                   | -103.3743835                  | -87.91                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00               | 8.00    | 104.04  | 5,754.32              | -161.46                        | 645.84                         | 428,518.54                      | 838,055.84                     | 32.1744402                   | -103.3743400                  | -89.79                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00               | 8.00    | 104.04  | 5,853.35              | -164.84                        | 659.34                         | 428,515.16                      | 838,069.34                     | 32.1744306                   | -103.3742964                  | -91.67                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00               | 8.00    | 104.04  | 5,952.37              | -168.21                        | 672.84                         | 428,511.79                      | 838,082.84                     | 32.1744210                   | -103.3742529                  | -93.54                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00               | 8.00    | 104.04  | 6,051.40              | -171.59                        | 686.34                         | 428,508.41                      | 838,096.34                     | 32.1744114                   | -103.3742094                  | -95.42                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00               | 8.00    | 104.04  | 6,150.43              | -174.96                        | 699.84                         | 428,505.04                      | 838,109.84                     | 32.1744018                   | -103.3741658                  | -97.30                  | 0.00                    | 0.00                   | 0.00                  |
| 6,210.68               | 8.00    | 104.04  | 6,161.00              | -175.32                        | 701.28                         | 428,504.68                      | 838,111.28                     | 32.1744008                   | -103.3741612                  | -97.50                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Cherry Canyon</b>   |         |         |                       |                                |                                |                                 |                                |                              |                               |                         |                         |                        |                       |
| 6,300.00               | 8.00    | 104.04  | 6,249.46              | -178.34                        | 713.34                         | 428,501.66                      | 838,123.34                     | 32.1743922                   | -103.3741223                  | -99.18                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00               | 8.00    | 104.04  | 6,348.48              | -181.71                        | 726.84                         | 428,498.29                      | 838,136.84                     | 32.1743826                   | -103.3740788                  | -101.05                 | 0.00                    | 0.00                   | 0.00                  |

# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth (usft)    | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--------------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 6,500.00                 | 8.00    | 104.04  | 6,447.51              | -185.09                        | 740.34       | 428,494.91                      | 838,150.34     | 32.1743730                   | -103.3740352  | -102.93                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                 | 8.00    | 104.04  | 6,546.54              | -188.46                        | 753.85       | 428,491.54                      | 838,163.85     | 32.1743634                   | -103.3739917  | -104.81                 | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00                 | 8.00    | 104.04  | 6,645.56              | -191.84                        | 767.35       | 428,488.16                      | 838,177.35     | 32.1743537                   | -103.3739482  | -106.68                 | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00                 | 8.00    | 104.04  | 6,744.59              | -195.21                        | 780.85       | 428,484.79                      | 838,190.85     | 32.1743441                   | -103.3739046  | -108.56                 | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00                 | 8.00    | 104.04  | 6,843.62              | -198.59                        | 794.35       | 428,481.41                      | 838,204.35     | 32.1743345                   | -103.3738611  | -110.44                 | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00                 | 8.00    | 104.04  | 6,942.64              | -201.96                        | 807.85       | 428,478.04                      | 838,217.85     | 32.1743249                   | -103.3738176  | -112.31                 | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00                 | 8.00    | 104.04  | 7,041.67              | -205.34                        | 821.35       | 428,474.66                      | 838,231.35     | 32.1743153                   | -103.3737741  | -114.19                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00                 | 8.00    | 104.04  | 7,140.70              | -208.71                        | 834.85       | 428,471.29                      | 838,244.85     | 32.1743057                   | -103.3737305  | -116.07                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                 | 8.00    | 104.04  | 7,239.73              | -212.09                        | 848.35       | 428,467.91                      | 838,258.35     | 32.1742961                   | -103.3736870  | -117.95                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00                 | 8.00    | 104.04  | 7,338.75              | -215.46                        | 861.85       | 428,464.54                      | 838,271.85     | 32.1742865                   | -103.3736435  | -119.82                 | 0.00                    | 0.00                   | 0.00                  |
| 7,445.13                 | 8.00    | 104.04  | 7,383.44              | -216.99                        | 867.94       | 428,463.01                      | 838,277.94     | 32.1742822                   | -103.3736238  | -120.67                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                 | 7.18    | 104.04  | 7,437.83              | -218.74                        | 874.97       | 428,461.26                      | 838,284.97     | 32.1742772                   | -103.3736011  | -121.65                 | 1.50                    | -1.50                  | 0.00                  |
| 7,600.00                 | 5.68    | 104.04  | 7,537.20              | -221.46                        | 885.83       | 428,458.54                      | 838,295.83     | 32.1742694                   | -103.3735661  | -123.16                 | 1.50                    | -1.50                  | 0.00                  |
| 7,700.00                 | 4.18    | 104.04  | 7,636.83              | -223.54                        | 894.16       | 428,456.46                      | 838,304.16     | 32.1742635                   | -103.3735393  | -124.31                 | 1.50                    | -1.50                  | 0.00                  |
| 7,740.26                 | 3.57    | 104.04  | 7,677.00              | -224.20                        | 896.80       | 428,455.80                      | 838,306.80     | 32.1742616                   | -103.3735308  | -124.68                 | 1.50                    | -1.50                  | 0.00                  |
| <b>Brushy Canyon</b>     |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 7,800.00                 | 2.68    | 104.04  | 7,736.65              | -224.99                        | 899.96       | 428,455.01                      | 838,309.96     | 32.1742594                   | -103.3735206  | -125.12                 | 1.50                    | -1.50                  | 0.00                  |
| 7,900.00                 | 1.18    | 104.04  | 7,836.59              | -225.80                        | 903.22       | 428,454.20                      | 838,313.22     | 32.1742571                   | -103.3735101  | -125.57                 | 1.50                    | -1.50                  | 0.00                  |
| 7,978.42                 | 0.00    | 0.00    | 7,915.00              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 1.50                    | -1.50                  | 0.00                  |
| 8,000.00                 | 0.00    | 0.00    | 7,936.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                 | 0.00    | 0.00    | 8,036.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00                 | 0.00    | 0.00    | 8,136.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00                 | 0.00    | 0.00    | 8,236.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00                 | 0.00    | 0.00    | 8,336.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00                 | 0.00    | 0.00    | 8,436.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00                 | 0.00    | 0.00    | 8,536.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00                 | 0.00    | 0.00    | 8,636.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                 | 0.00    | 0.00    | 8,736.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 8,886.42                 | 0.00    | 0.00    | 8,823.00              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon Lwr</b> |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 8,900.00                 | 0.00    | 0.00    | 8,836.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                 | 0.00    | 0.00    | 8,936.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,086.42                 | 0.00    | 0.00    | 9,023.00              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Avalon Upr</b>        |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 9,100.00                 | 0.00    | 0.00    | 9,036.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                 | 0.00    | 0.00    | 9,136.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                 | 0.00    | 0.00    | 9,236.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,354.42                 | 0.00    | 0.00    | 9,291.00              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |

# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth (usft)              | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|------------------------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| <b>Avalon Mid</b>                  |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 9,400.00                           | 0.00    | 0.00    | 9,336.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00                           | 0.00    | 0.00    | 9,436.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                           | 0.00    | 0.00    | 9,536.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                           | 0.00    | 0.00    | 9,636.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,775.42                           | 0.00    | 0.00    | 9,712.00              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Avalon Lwr</b>                  |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 9,800.00                           | 0.00    | 0.00    | 9,736.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 9,900.00                           | 0.00    | 0.00    | 9,836.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,000.00                          | 0.00    | 0.00    | 9,936.58              | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00                          | 0.00    | 0.00    | 10,036.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00                          | 0.00    | 0.00    | 10,136.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,253.42                          | 0.00    | 0.00    | 10,190.00             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>1st Bone Spring Sand</b>        |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 10,300.00                          | 0.00    | 0.00    | 10,236.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00                          | 0.00    | 0.00    | 10,336.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,428.42                          | 0.00    | 0.00    | 10,365.00             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>2nd Bone Spring Carbonate</b>   |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 10,500.00                          | 0.00    | 0.00    | 10,436.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00                          | 0.00    | 0.00    | 10,536.58             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| 10,704.57                          | 0.00    | 0.00    | 10,641.15             | -226.00                        | 904.00       | 428,454.00                      | 838,314.00     | 32.1742565                   | -103.3735075  | -125.68                 | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP/FTP (Coonskin Fee 122H)</b> |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 10,750.00                          | 4.54    | 359.50  | 10,686.53             | -224.20                        | 903.98       | 428,455.80                      | 838,313.98     | 32.1742614                   | -103.3735075  | -123.89                 | 10.00                   | 10.00                  | 0.00                  |
| 10,800.00                          | 9.54    | 359.50  | 10,736.14             | -218.07                        | 903.93       | 428,461.93                      | 838,313.93     | 32.1742783                   | -103.3735075  | -117.81                 | 10.00                   | 10.00                  | 0.00                  |
| 10,850.00                          | 14.54   | 359.50  | 10,785.03             | -207.64                        | 903.84       | 428,472.36                      | 838,313.84     | 32.1743070                   | -103.3735075  | -107.45                 | 10.00                   | 10.00                  | 0.00                  |
| 10,900.00                          | 19.54   | 359.50  | 10,832.81             | -192.99                        | 903.71       | 428,487.01                      | 838,313.71     | 32.1743472                   | -103.3735075  | -92.90                  | 10.00                   | 10.00                  | 0.00                  |
| 10,950.00                          | 24.54   | 359.50  | 10,879.15             | -174.23                        | 903.55       | 428,505.77                      | 838,313.55     | 32.1743988                   | -103.3735075  | -74.28                  | 10.00                   | 10.00                  | 0.00                  |
| 11,000.00                          | 29.54   | 359.50  | 10,923.66             | -151.51                        | 903.35       | 428,528.49                      | 838,313.35     | 32.1744613                   | -103.3735075  | -51.71                  | 10.00                   | 10.00                  | 0.00                  |
| 11,050.00                          | 34.54   | 359.50  | 10,966.03             | -124.99                        | 903.12       | 428,555.01                      | 838,313.12     | 32.1745341                   | -103.3735075  | -25.38                  | 10.00                   | 10.00                  | 0.00                  |
| 11,069.62                          | 36.51   | 359.50  | 10,982.00             | -113.59                        | 903.02       | 428,566.41                      | 838,313.02     | 32.1745655                   | -103.3735075  | -14.06                  | 10.00                   | 10.00                  | 0.00                  |
| <b>2nd Bone Spring Sand</b>        |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 11,100.00                          | 39.54   | 359.50  | 11,005.93             | -94.88                         | 902.86       | 428,585.12                      | 838,312.86     | 32.1746169                   | -103.3735075  | 4.52                    | 10.00                   | 10.00                  | 0.00                  |
| 11,150.00                          | 44.54   | 359.50  | 11,043.05             | -61.41                         | 902.57       | 428,618.59                      | 838,312.57     | 32.1747089                   | -103.3735074  | 37.76                   | 10.00                   | 10.00                  | 0.00                  |
| 11,200.00                          | 49.54   | 359.50  | 11,077.11             | -24.83                         | 902.25       | 428,655.17                      | 838,312.25     | 32.1748095                   | -103.3735074  | 74.09                   | 10.00                   | 10.00                  | 0.00                  |
| 11,250.00                          | 54.54   | 359.50  | 11,107.85             | 14.58                          | 901.91       | 428,694.58                      | 838,311.91     | 32.1749178                   | -103.3735074  | 113.23                  | 10.00                   | 10.00                  | 0.00                  |
| 11,300.00                          | 59.54   | 359.50  | 11,135.05             | 56.52                          | 901.54       | 428,736.52                      | 838,311.54     | 32.1750331                   | -103.3735073  | 154.87                  | 10.00                   | 10.00                  | 0.00                  |
| 11,350.00                          | 64.54   | 359.50  | 11,158.48             | 100.67                         | 901.16       | 428,780.67                      | 838,311.16     | 32.1751544                   | -103.3735073  | 198.71                  | 10.00                   | 10.00                  | 0.00                  |
| 11,400.00                          | 69.54   | 359.50  | 11,177.98             | 146.69                         | 900.76       | 428,826.69                      | 838,310.76     | 32.1752809                   | -103.3735073  | 244.42                  | 10.00                   | 10.00                  | 0.00                  |
| 11,450.00                          | 74.54   | 359.50  | 11,193.39             | 194.24                         | 900.34       | 428,874.24                      | 838,310.34     | 32.1754116                   | -103.3735072  | 291.63                  | 10.00                   | 10.00                  | 0.00                  |

# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured<br>Depth<br>(usft) | INC<br>(°) | AZI<br>(°) | Vertical<br>Depth<br>(usft) | Local Coordinates<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Map Coordinates<br>Northing<br>(usft) | Easting<br>(usft) | Geo Coordinates<br>Latitude<br>(°) | Longitude<br>(°) | Vertical Dogleg<br>Section<br>(usft) | Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|------------|------------|-----------------------------|--------------------------------------|-----------------|---------------------------------------|-------------------|------------------------------------|------------------|--------------------------------------|---------------------|------------------------------|-----------------------------|
| 11,500.00                   | 79.54      | 359.50     | 11,204.59                   | 242.95                               | 899.92          | 428,922.95                            | 838,309.92        | 32.1755455                         | -103.3735072     | 340.00                               | 10.00               | 10.00                        | 0.00                        |
| 11,550.00                   | 84.54      | 359.50     | 11,211.51                   | 292.45                               | 899.49          | 428,972.45                            | 838,309.49        | 32.1756816                         | -103.3735072     | 389.16                               | 10.00               | 10.00                        | 0.00                        |
| 11,600.00                   | 89.54      | 359.50     | 11,214.09                   | 342.37                               | 899.06          | 429,022.37                            | 838,309.06        | 32.1758188                         | -103.3735071     | 438.73                               | 10.00               | 10.00                        | 0.00                        |
| 11,609.53                   | 90.50      | 359.50     | 11,214.09                   | 351.90                               | 898.97          | 429,031.90                            | 838,308.97        | 32.1758450                         | -103.3735071     | 448.20                               | 10.00               | 10.00                        | 0.00                        |
| 11,700.00                   | 90.50      | 359.50     | 11,213.30                   | 442.36                               | 898.19          | 429,122.36                            | 838,308.19        | 32.1760937                         | -103.3735071     | 538.03                               | 0.00                | 0.00                         | 0.00                        |
| 11,800.00                   | 90.50      | 359.50     | 11,212.44                   | 542.35                               | 897.32          | 429,222.35                            | 838,307.32        | 32.1763685                         | -103.3735070     | 637.32                               | 0.00                | 0.00                         | 0.00                        |
| 11,900.00                   | 90.50      | 359.50     | 11,211.57                   | 642.35                               | 896.45          | 429,322.35                            | 838,306.45        | 32.1766434                         | -103.3735069     | 736.62                               | 0.00                | 0.00                         | 0.00                        |
| 12,000.00                   | 90.50      | 359.50     | 11,210.70                   | 742.34                               | 895.58          | 429,422.34                            | 838,305.58        | 32.1769182                         | -103.3735069     | 835.91                               | 0.00                | 0.00                         | 0.00                        |
| 12,100.00                   | 90.50      | 359.50     | 11,209.84                   | 842.33                               | 894.71          | 429,522.33                            | 838,304.71        | 32.1771931                         | -103.3735068     | 935.21                               | 0.00                | 0.00                         | 0.00                        |
| 12,200.00                   | 90.50      | 359.50     | 11,208.97                   | 942.32                               | 893.84          | 429,622.32                            | 838,303.84        | 32.1774679                         | -103.3735067     | 1,034.51                             | 0.00                | 0.00                         | 0.00                        |
| 12,300.00                   | 90.50      | 359.50     | 11,208.10                   | 1,042.32                             | 892.97          | 429,722.32                            | 838,302.97        | 32.1777428                         | -103.3735066     | 1,133.80                             | 0.00                | 0.00                         | 0.00                        |
| 12,400.00                   | 90.50      | 359.50     | 11,207.24                   | 1,142.31                             | 892.10          | 429,822.31                            | 838,302.10        | 32.1780176                         | -103.3735066     | 1,233.10                             | 0.00                | 0.00                         | 0.00                        |
| 12,500.00                   | 90.50      | 359.50     | 11,206.37                   | 1,242.30                             | 891.23          | 429,922.30                            | 838,301.23        | 32.1782925                         | -103.3735065     | 1,332.40                             | 0.00                | 0.00                         | 0.00                        |
| 12,600.00                   | 90.50      | 359.50     | 11,205.50                   | 1,342.29                             | 890.36          | 430,022.29                            | 838,300.36        | 32.1785673                         | -103.3735064     | 1,431.69                             | 0.00                | 0.00                         | 0.00                        |
| 12,700.00                   | 90.50      | 359.50     | 11,204.64                   | 1,442.29                             | 889.49          | 430,122.29                            | 838,299.49        | 32.1788422                         | -103.3735063     | 1,530.99                             | 0.00                | 0.00                         | 0.00                        |
| 12,800.00                   | 90.50      | 359.50     | 11,203.77                   | 1,542.28                             | 888.62          | 430,222.28                            | 838,298.62        | 32.1791171                         | -103.3735063     | 1,630.29                             | 0.00                | 0.00                         | 0.00                        |
| 12,900.00                   | 90.50      | 359.50     | 11,202.90                   | 1,642.27                             | 887.75          | 430,322.27                            | 838,297.75        | 32.1793919                         | -103.3735062     | 1,729.58                             | 0.00                | 0.00                         | 0.00                        |
| 13,000.00                   | 90.50      | 359.50     | 11,202.04                   | 1,742.26                             | 886.88          | 430,422.26                            | 838,296.88        | 32.1796668                         | -103.3735061     | 1,828.88                             | 0.00                | 0.00                         | 0.00                        |
| 13,100.00                   | 90.50      | 359.50     | 11,201.17                   | 1,842.26                             | 886.01          | 430,522.26                            | 838,296.01        | 32.1799416                         | -103.3735061     | 1,928.17                             | 0.00                | 0.00                         | 0.00                        |
| 13,200.00                   | 90.50      | 359.50     | 11,200.30                   | 1,942.25                             | 885.14          | 430,622.25                            | 838,295.14        | 32.1802165                         | -103.3735060     | 2,027.47                             | 0.00                | 0.00                         | 0.00                        |
| 13,300.00                   | 90.50      | 359.50     | 11,199.44                   | 2,042.24                             | 884.27          | 430,722.24                            | 838,294.27        | 32.1804913                         | -103.3735059     | 2,126.77                             | 0.00                | 0.00                         | 0.00                        |
| 13,400.00                   | 90.50      | 359.50     | 11,198.57                   | 2,142.23                             | 883.40          | 430,822.23                            | 838,293.40        | 32.1807662                         | -103.3735058     | 2,226.06                             | 0.00                | 0.00                         | 0.00                        |
| 13,500.00                   | 90.50      | 359.50     | 11,197.70                   | 2,242.23                             | 882.53          | 430,922.23                            | 838,292.53        | 32.1810410                         | -103.3735058     | 2,325.36                             | 0.00                | 0.00                         | 0.00                        |
| 13,600.00                   | 90.50      | 359.50     | 11,196.84                   | 2,342.22                             | 881.66          | 431,022.22                            | 838,291.66        | 32.1813159                         | -103.3735057     | 2,424.66                             | 0.00                | 0.00                         | 0.00                        |
| 13,700.00                   | 90.50      | 359.50     | 11,195.97                   | 2,442.21                             | 880.79          | 431,122.21                            | 838,290.79        | 32.1815907                         | -103.3735056     | 2,523.95                             | 0.00                | 0.00                         | 0.00                        |
| 13,800.00                   | 90.50      | 359.50     | 11,195.10                   | 2,542.20                             | 879.92          | 431,222.20                            | 838,289.92        | 32.1818656                         | -103.3735056     | 2,623.25                             | 0.00                | 0.00                         | 0.00                        |
| 13,900.00                   | 90.50      | 359.50     | 11,194.24                   | 2,642.20                             | 879.05          | 431,322.20                            | 838,289.05        | 32.1821405                         | -103.3735055     | 2,722.54                             | 0.00                | 0.00                         | 0.00                        |
| 14,000.00                   | 90.50      | 359.50     | 11,193.37                   | 2,742.19                             | 878.18          | 431,422.19                            | 838,288.18        | 32.1824153                         | -103.3735054     | 2,821.84                             | 0.00                | 0.00                         | 0.00                        |
| 14,100.00                   | 90.50      | 359.50     | 11,192.50                   | 2,842.18                             | 877.31          | 431,522.18                            | 838,287.31        | 32.1826902                         | -103.3735053     | 2,921.14                             | 0.00                | 0.00                         | 0.00                        |
| 14,200.00                   | 90.50      | 359.50     | 11,191.64                   | 2,942.17                             | 876.44          | 431,622.17                            | 838,286.44        | 32.1829650                         | -103.3735053     | 3,020.43                             | 0.00                | 0.00                         | 0.00                        |
| 14,300.00                   | 90.50      | 359.50     | 11,190.77                   | 3,042.17                             | 875.57          | 431,722.17                            | 838,285.57        | 32.1832399                         | -103.3735052     | 3,119.73                             | 0.00                | 0.00                         | 0.00                        |
| 14,400.00                   | 90.50      | 359.50     | 11,189.91                   | 3,142.16                             | 874.70          | 431,822.16                            | 838,284.70        | 32.1835147                         | -103.3735051     | 3,219.03                             | 0.00                | 0.00                         | 0.00                        |
| 14,500.00                   | 90.50      | 359.50     | 11,189.04                   | 3,242.15                             | 873.83          | 431,922.15                            | 838,283.83        | 32.1837896                         | -103.3735050     | 3,318.32                             | 0.00                | 0.00                         | 0.00                        |
| 14,600.00                   | 90.50      | 359.50     | 11,188.17                   | 3,342.14                             | 872.96          | 432,022.14                            | 838,282.96        | 32.1840644                         | -103.3735050     | 3,417.62                             | 0.00                | 0.00                         | 0.00                        |
| 14,700.00                   | 90.50      | 359.50     | 11,187.31                   | 3,442.14                             | 872.09          | 432,122.14                            | 838,282.09        | 32.1843393                         | -103.3735049     | 3,516.92                             | 0.00                | 0.00                         | 0.00                        |
| 14,800.00                   | 90.50      | 359.50     | 11,186.44                   | 3,542.13                             | 871.22          | 432,222.13                            | 838,281.22        | 32.1846141                         | -103.3735048     | 3,616.21                             | 0.00                | 0.00                         | 0.00                        |
| 14,900.00                   | 90.50      | 359.50     | 11,185.57                   | 3,642.12                             | 870.35          | 432,322.12                            | 838,280.35        | 32.1848890                         | -103.3735048     | 3,715.51                             | 0.00                | 0.00                         | 0.00                        |

# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth (usft) | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 15,000.00             | 90.50   | 359.50  | 11,184.71             | 3,742.11                       | 869.48       | 432,422.11                      | 838,279.48     | 32.1851639                   | -103.3735047  | 3,814.80                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00             | 90.50   | 359.50  | 11,183.84             | 3,842.11                       | 868.61       | 432,522.11                      | 838,278.61     | 32.1854387                   | -103.3735046  | 3,914.10                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00             | 90.50   | 359.50  | 11,182.97             | 3,942.10                       | 867.74       | 432,622.10                      | 838,277.74     | 32.1857136                   | -103.3735045  | 4,013.40                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00             | 90.50   | 359.50  | 11,182.11             | 4,042.09                       | 866.87       | 432,722.09                      | 838,276.87     | 32.1859884                   | -103.3735045  | 4,112.69                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00             | 90.50   | 359.50  | 11,181.24             | 4,142.08                       | 866.00       | 432,822.08                      | 838,276.00     | 32.1862633                   | -103.3735044  | 4,211.99                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00             | 90.50   | 359.50  | 11,180.37             | 4,242.07                       | 865.13       | 432,922.07                      | 838,275.13     | 32.1865381                   | -103.3735043  | 4,311.29                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00             | 90.50   | 359.50  | 11,179.51             | 4,342.07                       | 864.26       | 433,022.07                      | 838,274.26     | 32.1868130                   | -103.3735042  | 4,410.58                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00             | 90.50   | 359.50  | 11,178.64             | 4,442.06                       | 863.39       | 433,122.06                      | 838,273.39     | 32.1870878                   | -103.3735042  | 4,509.88                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00             | 90.50   | 359.50  | 11,177.77             | 4,542.05                       | 862.52       | 433,222.05                      | 838,272.52     | 32.1873627                   | -103.3735041  | 4,609.17                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00             | 90.50   | 359.50  | 11,176.91             | 4,642.04                       | 861.65       | 433,322.04                      | 838,271.65     | 32.1876375                   | -103.3735040  | 4,708.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00             | 90.50   | 359.50  | 11,176.04             | 4,742.04                       | 860.78       | 433,422.04                      | 838,270.78     | 32.1879124                   | -103.3735040  | 4,807.77                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00             | 90.50   | 359.50  | 11,175.17             | 4,842.03                       | 859.91       | 433,522.03                      | 838,269.91     | 32.1881873                   | -103.3735039  | 4,907.06                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00             | 90.50   | 359.50  | 11,174.31             | 4,942.02                       | 859.04       | 433,622.02                      | 838,269.04     | 32.1884621                   | -103.3735038  | 5,006.36                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00             | 90.50   | 359.50  | 11,173.44             | 5,042.01                       | 858.17       | 433,722.01                      | 838,268.17     | 32.1887370                   | -103.3735037  | 5,105.66                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00             | 90.50   | 359.50  | 11,172.57             | 5,142.01                       | 857.30       | 433,822.01                      | 838,267.30     | 32.1890118                   | -103.3735037  | 5,204.95                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00             | 90.50   | 359.50  | 11,171.71             | 5,242.00                       | 856.43       | 433,922.00                      | 838,266.43     | 32.1892867                   | -103.3735036  | 5,304.25                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00             | 90.50   | 359.50  | 11,170.84             | 5,341.99                       | 855.56       | 434,021.99                      | 838,265.56     | 32.1895615                   | -103.3735035  | 5,403.55                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00             | 90.50   | 359.50  | 11,169.97             | 5,441.98                       | 854.69       | 434,121.98                      | 838,264.69     | 32.1898364                   | -103.3735034  | 5,502.84                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00             | 90.50   | 359.50  | 11,169.11             | 5,541.98                       | 853.82       | 434,221.98                      | 838,263.82     | 32.1901112                   | -103.3735034  | 5,602.14                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00             | 90.50   | 359.50  | 11,168.24             | 5,641.97                       | 852.95       | 434,321.97                      | 838,262.95     | 32.1903861                   | -103.3735033  | 5,701.43                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00             | 90.50   | 359.50  | 11,167.37             | 5,741.96                       | 852.08       | 434,421.96                      | 838,262.08     | 32.1906609                   | -103.3735032  | 5,800.73                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00             | 90.50   | 359.50  | 11,166.51             | 5,841.95                       | 851.21       | 434,521.95                      | 838,261.21     | 32.1909358                   | -103.3735031  | 5,900.03                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00             | 90.50   | 359.50  | 11,165.64             | 5,941.95                       | 850.35       | 434,621.95                      | 838,260.35     | 32.1912106                   | -103.3735031  | 5,999.32                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00             | 90.50   | 359.50  | 11,164.77             | 6,041.94                       | 849.48       | 434,721.94                      | 838,259.48     | 32.1914855                   | -103.3735030  | 6,098.62                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00             | 90.50   | 359.50  | 11,163.91             | 6,141.93                       | 848.61       | 434,821.93                      | 838,258.61     | 32.1917604                   | -103.3735029  | 6,197.92                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00             | 90.50   | 359.50  | 11,163.04             | 6,241.92                       | 847.74       | 434,921.92                      | 838,257.74     | 32.1920352                   | -103.3735029  | 6,297.21                | 0.00                    | 0.00                   | 0.00                  |
| 17,600.00             | 90.50   | 359.50  | 11,162.18             | 6,341.92                       | 846.87       | 435,021.92                      | 838,256.87     | 32.1923101                   | -103.3735028  | 6,396.51                | 0.00                    | 0.00                   | 0.00                  |
| 17,700.00             | 90.50   | 359.50  | 11,161.31             | 6,441.91                       | 846.00       | 435,121.91                      | 838,256.00     | 32.1925849                   | -103.3735027  | 6,495.80                | 0.00                    | 0.00                   | 0.00                  |
| 17,800.00             | 90.50   | 359.50  | 11,160.44             | 6,541.90                       | 845.13       | 435,221.90                      | 838,255.13     | 32.1928598                   | -103.3735026  | 6,595.10                | 0.00                    | 0.00                   | 0.00                  |
| 17,900.00             | 90.50   | 359.50  | 11,159.58             | 6,641.89                       | 844.26       | 435,321.89                      | 838,254.26     | 32.1931346                   | -103.3735026  | 6,694.40                | 0.00                    | 0.00                   | 0.00                  |
| 18,000.00             | 90.50   | 359.50  | 11,158.71             | 6,741.89                       | 843.39       | 435,421.89                      | 838,253.39     | 32.1934095                   | -103.3735025  | 6,793.69                | 0.00                    | 0.00                   | 0.00                  |
| 18,100.00             | 90.50   | 359.50  | 11,157.84             | 6,841.88                       | 842.52       | 435,521.88                      | 838,252.52     | 32.1936843                   | -103.3735024  | 6,892.99                | 0.00                    | 0.00                   | 0.00                  |
| 18,200.00             | 90.50   | 359.50  | 11,156.98             | 6,941.87                       | 841.65       | 435,621.87                      | 838,251.65     | 32.1939592                   | -103.3735023  | 6,992.29                | 0.00                    | 0.00                   | 0.00                  |
| 18,300.00             | 90.50   | 359.50  | 11,156.11             | 7,041.86                       | 840.78       | 435,721.86                      | 838,250.78     | 32.1942340                   | -103.3735023  | 7,091.58                | 0.00                    | 0.00                   | 0.00                  |
| 18,400.00             | 90.50   | 359.50  | 11,155.24             | 7,141.86                       | 839.91       | 435,821.86                      | 838,249.91     | 32.1945089                   | -103.3735022  | 7,190.88                | 0.00                    | 0.00                   | 0.00                  |
| 18,500.00             | 90.50   | 359.50  | 11,154.38             | 7,241.85                       | 839.04       | 435,921.85                      | 838,249.04     | 32.1947837                   | -103.3735021  | 7,290.18                | 0.00                    | 0.00                   | 0.00                  |
| 18,600.00             | 90.50   | 359.50  | 11,153.51             | 7,341.84                       | 838.17       | 436,021.84                      | 838,248.17     | 32.1950586                   | -103.3735020  | 7,389.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,700.00             | 90.50   | 359.50  | 11,152.64             | 7,441.83                       | 837.30       | 436,121.83                      | 838,247.30     | 32.1953335                   | -103.3735020  | 7,488.77                | 0.00                    | 0.00                   | 0.00                  |



# Total Directional Planned Survey Report



|                  |                         |                                     |                                  |
|------------------|-------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | Civitas Resources       | <b>Local Co-ordinate Reference:</b> | Well Coonskin Fee 122H           |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Site:</b>     | Coonskin Fee Pad        | <b>MD Reference:</b>                | GE 3300' + KB 26' @ 3326.00usft  |
| <b>Well:</b>     | Coonskin Fee 122H       | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | Plan #1                 | <b>Database:</b>                    | .Total Directional Production DB |

## Planned Survey

| Measured Depth (usft)           | INC (°) | AZI (°) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | +E/-W (usft) | Map Coordinates Northing (usft) | Easting (usft) | Geo Coordinates Latitude (°) | Longitude (°) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------------------|---------|---------|-----------------------|--------------------------------|--------------|---------------------------------|----------------|------------------------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 18,754.17                       | 90.50   | 359.50  | 11,152.17             | 7,496.00                       | 836.83       | 436,176.00                      | 838,246.83     | 32.1954823                   | -103.3735019  | 7,542.56                | 0.00                    | 0.00                   | 0.00                  |
| <b>LTP (Coonskin Fee 122H)</b>  |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |
| 18,800.00                       | 90.50   | 359.50  | 11,151.78             | 7,541.83                       | 836.43       | 436,221.83                      | 838,246.43     | 32.1956083                   | -103.3735019  | 7,588.06                | 0.00                    | 0.00                   | 0.00                  |
| 18,849.18                       | 90.50   | 359.50  | 11,151.35             | 7,591.00                       | 836.00       | 436,271.00                      | 838,246.00     | 32.1957435                   | -103.3735019  | 7,636.90                | 0.00                    | 0.00                   | 0.00                  |
| <b>PBHL (Coonskin Fee 122H)</b> |         |         |                       |                                |              |                                 |                |                              |               |                         |                         |                        |                       |

## Design Targets

### Target Name

| - hit/miss target<br>- Shape                                                                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude   | Longitude    |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|
| KOP/FTP (Coonskin F<br>- plan hits target center<br>- Point                                                                       | 0.00          | 0.00         | 10,641.15  | -226.00      | 904.00       | 428,454.00      | 838,314.00     | 32.1742565 | -103.3735075 |
| PBHL (Coonskin Fee<br>- plan hits target center<br>- Point                                                                        | 0.00          | 0.00         | 11,151.35  | 7,591.00     | 836.00       | 436,271.00      | 838,246.00     | 32.1957435 | -103.3735019 |
| LTP (Coonskin Fee 12<br>- plan misses target center by 0.17usft at 18754.17usft MD (11152.17 TVD, 7496.00 N, 836.83 E)<br>- Point | 0.00          | 0.00         | 11,152.17  | 7,496.00     | 837.00       | 436,176.00      | 838,247.00     | 32.1954823 | -103.3735014 |

## Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name                      | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|---------------------------|-----------|---------|-------------------|
| 544.00                | 544.00                | Rustler                   |           |         |                   |
| 953.10                | 953.00                | Salado                    |           |         |                   |
| 5,278.61              | 5,238.00              | DMG/Bell Canyon           |           |         |                   |
| 6,210.68              | 6,161.00              | Cherry Canyon             |           |         |                   |
| 7,740.26              | 7,677.00              | Brushy Canyon             |           |         |                   |
| 8,886.42              | 8,823.00              | Brushy Canyon Lwr         |           |         |                   |
| 9,086.42              | 9,023.00              | Avalon Up                 |           |         |                   |
| 9,354.42              | 9,291.00              | Avalon Mid                |           |         |                   |
| 9,775.42              | 9,712.00              | Avalon Lwr                |           |         |                   |
| 10,253.42             | 10,190.00             | 1st Bone Spring Sand      |           |         |                   |
| 10,428.42             | 10,365.00             | 2nd Bone Spring Carbonate |           |         |                   |
| 11,069.62             | 10,982.00             | 2nd Bone Spring Sand      |           |         |                   |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit Electronically  
Via E-permitting

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** Civitas Permian Operating, LLC **OGRID:** 332195 **Date:** 08 / 26 / 2025

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name         | API | ULSTR        | Footages             | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|-------------------|-----|--------------|----------------------|-----------------------|-----------------------|----------------------------------|
| COONSKIN FEE 152H | TBD | F-33-24S-35E | 2330 FNL<br>1408 FWL | 675                   | 1600                  | 2200                             |
| COONSKIN FEE 122H | TBD | F-33-24S-35E | 2305 FNL<br>1408 FWL | 675                   | 1600                  | 2200                             |

**IV. Central Delivery Point Name:** COONSKIN CTB [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name         | API | Spud Date  | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|-------------------|-----|------------|-----------------|------------------------------|------------------------|-----------------------|
| COONSKIN FEE 152H | TBD | 01/01/2026 | 01/17/2026      | 02/15/2026                   | 02/21/2026             | 03/15/2026            |
| COONSKIN FEE 122H | TBD | 01/02/2026 | 01/26/2026      | 02/15/2026                   | 02/21/2026             | 03/15/2026            |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.



## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

#### **X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

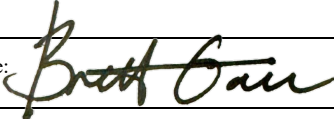
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Signature:      |
| Printed Name:<br>BRETT GARZA                                                                     |
| Title:<br>REGULATORY ADVISOR                                                                     |
| E-mail Address:<br>BGARZA@CIVIRESOURCES.COM                                                      |
| Date:<br>08/26/2025                                                                              |
| Phone:<br>512.915.5421                                                                           |
| <b>OIL CONSERVATION DIVISION</b><br><b>(Only applicable when submitted as a standalone form)</b> |
| Approved By:                                                                                     |
| Title:                                                                                           |
| Approval Date:                                                                                   |
| Conditions of Approval:                                                                          |



### **Civitas Permian Operating Natural Gas Management Plan**

#### **VI. Separation Equipment:**

Each surface facility design includes the following process equipment: Multiphase test measurement per upstream pad, 3-phase separators, a sales gas scrubber, heater treaters, a VRU compressor, multiple water and oil tanks, as well as flare knockouts (HP & LP), and flares (HP & LP - combined). All process vessels will be sized to separate oil, water, gas based upon typical/historical & predicted well performance. Each process vessel will be fitted with an appropriately sized PSV as per ASME code requirements to mitigate vessel rupture and loss of containment. Additionally, the process vessels will be fitted with pressure transmitters tied to the facility control system which will allow operations to monitor pressures and when necessary, shut in the facility to avoid vessel over-pressure and the potential vent of natural gas. Natural gas will preferentially be sold to pipeline, and only during upset/emergency conditions will gas be directed to the flare system. Aboveground steel oil tanks & water tanks will be fitted with 32 oz thief hatches as well as PRVs to protect the tanks from rupture/collapse. Additionally, the tank vapor outlets will preferentially be directed to the VRU and the sales gas pipeline. Only during process upsets/emergency conditions will tank vapors be directed to the LP flare system.

#### **VII. Operational Practices:**

- During drilling operations, gas meters will be installed at the shakers and Volume Totalizers will be installed on the pits. In the event that elevated gas levels, or a pit gain are observed, returns will be diverted to a gas buster. Gas coming off the gas buster will be combusted at the flare stack. A 10' or taller flare will be located at least 100' from the SHL.
- During completions operations, including stimulation and frac plug drill out operations, hydrocarbon production to surface is minimized. When gas production does occur, gas will be combusted at a flare stack. A 10' or taller flare will be located at least 100' from the SHL.
- During production operations, all process vessels (separators, heater treaters, tanks) will recompress (where necessary) and route gas outlets into the natural gas gathering pipeline. Gas will preferentially be routed to natural gas gathering pipeline and the flare system will be used only during emergencies, malfunction, or if the gas does not meet pipeline specifications. In the event of flaring off-specification gas, operations will pull gas samples twice a week and will also route gas back to pipeline as soon as the gas meets specification. Exceptions to this will include only those qualified emergencies as mentioned in the BLM Waste Prevention Rule.



- To comply with state performance standards, separation and storage equipment will be designed to handle the maximum anticipated throughput and pressure to minimize waste and reduce the likelihood of venting gas to atmosphere. Additionally, each storage tank (Oil & Water) will be fitted with a level transmitter to facilitate gauging of the tank without opening of the thief hatch. Any gas collected through the tank vent system is expected to be recompressed and routed to sales. However, in the event of an emergency, the tank vapor system will be designed to combust the gas using a flare stack fitted with a continuous or automatic ignitor. The flare stack will be properly anchored and will be located a minimum of 100 feet from the well and storage tanks. Operators will conduct weekly AVO inspections. These AVO inspection records will be stored for the required 5-year period and will be made available upon Division request.

#### **VIII. Best Management Practices:**

When performing routine or preventive maintenance on a vessel or tank, initially all inlet valves are closed, and the vessel or tank is allowed to depressurize through the normal outlet connections to gas sales and/or liquid tanks. Once the vessel or tank is depressurized to lowest acceptable sales outlet pressure, usually around 20 psig, a temporary low-pressure flowline is connected from the vessel or tank to the Vapor Recovery Unit (VRU) for further pressure reduction. Once depressurized to less than 1-2 psig, the remaining natural gas in the vessel or tank is vented to atmosphere through a controlled pressure relief valve. Once the vessel or tank is depressurized to atmospheric pressure, the vessel or tank can be safely opened, and maintenance performed.



U. S. Steel Tubular Products

5.500" 23.00lb/ft (0.415" Wall) USS C95 USS-TALON HTQ™

8/4/2025 9:46:32 AM



| MECHANICAL PROPERTIES            | Pipe    | USS-TALON HTQ™ |            | [6] |
|----------------------------------|---------|----------------|------------|-----|
| Minimum Yield Strength           | 95,000  | --             | psi        | --  |
| Maximum Yield Strength           | 110,000 | --             | psi        | --  |
| Minimum Tensile Strength         | 105,000 | --             | psi        | --  |
| DIMENSIONS                       | Pipe    | USS-TALON HTQ™ |            | --  |
| Outside Diameter                 | 5.500   | 6.300          | in.        | --  |
| Wall Thickness                   | 0.415   | --             | in.        | --  |
| Inside Diameter                  | 4.670   | 4.670          | in.        | --  |
| Standard Drift                   | 4.545   | 4.545          | in.        | --  |
| Alternate Drift                  | --      | --             | in.        | --  |
| Nominal Linear Weight, T&C       | 23.00   | --             | lb/ft      | --  |
| Plain End Weight                 | 22.56   | --             | lb/ft      | --  |
| SECTION AREA                     | Pipe    | USS-TALON HTQ™ |            | --  |
| Critical Area                    | 6.630   | 6.630          | sq. in.    | --  |
| Joint Efficiency                 | --      | 100.0          | %          | [2] |
| PERFORMANCE                      | Pipe    | USS-TALON HTQ™ |            | --  |
| Minimum Collapse Pressure        | 12,940  | 12,940         | psi        | --  |
| Minimum Internal Yield Pressure  | 12,540  | 12,540         | psi        | --  |
| Minimum Pipe Body Yield Strength | 630,000 | --             | lb         | --  |
| Joint Strength                   | --      | 630,000        | lb         | --  |
| Compression Rating               | --      | 630,000        | lb         | --  |
| Reference Length                 | --      | 18,260         | ft         | [5] |
| Maximum Uniaxial Bend Rating     | --      | 79.2           | deg/100 ft | [3] |
| MAKE-UP DATA                     | Pipe    | USS-TALON HTQ™ |            | --  |
| Make-Up Loss                     | --      | 5.58           | in.        | --  |
| Minimum Make-Up Torque           | --      | 18,100         | ft-lb      | [4] |
| Maximum Make-Up Torque           | --      | 21,100         | ft-lb      | [4] |
| Maximum Operating Torque         | --      | 35,800         | ft-lb      | [4] |

UNCONTROLLED

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

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