Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM101609

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
JUNIOR MINT FED/137H

2. Name of Operator CIVITAS PERMIAN OPERATING LLC

9. API Well No.

3a. Address 555 17TH STREET SUITE 3700, DENVER, CO 8

3b. Phone No. *(include area code)* (303) 293-1000

10. Field and Pool or Exploratory Area
WC-02 H-08 S253534O/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SEC 15/T25S/R35E/NMP

11. Country or Parish, State
LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Civitas Permian Operating, LLC requests the following changes to the previously approved surface hole location (SHL) and drill plan. Change SHL from 297 FNL & 1531 FWL, NENW, Sec. 15, T.25S, R.35E to 326 FNL & 1436 FWL, NENW, Sec. 15, T.25S, R.35E. Changes to the drill plan and other variance requests are detailed in the attached summary and supporting documents. Please see the attached revised C102 plat, directional plan, anticollision report, production casing spec sheets and wellhead diagram for additional information.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
BRIAN WOOD / Ph: (505) 466-8120

Title Permitting Agent

Signature (Electronic Submission)

Date 04/18/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by
CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 05/27/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENW / 297 FNL / 1531 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1368202 / LONG: -103.3589878 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 152 FNL / 2588 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1372172 / LONG: -103.3555745 (TVD: 11895 feet, MD: 12016 feet)

BHL: SESW / 5 FSL / 2588 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086323 / LONG: -103.355873 (TVD: 12214 feet, MD: 22478 feet)

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-54749	98185	WC-025 G-09 S253502B;LWR BONE SPRING

Property Code	Property Name	Well Number
337333	JUNIOR MINT FED	137H

OGRID No.	Operator Name	Ground Level Elevation
332195	CIVITAS PERMIAN OPERATING, LLC	3220'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ 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
C	15	25-S	35-E	-	326' N	1436' W	N 32.1367402	W 103.3592956	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
N	22	25-S	35-E	-	5' S	2589' W	N 32.1086323	W 103.3555873	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
1280.00	Infill	- 30-025-54740	No	N/A

Order Numbers	Well Setbacks are under Common Ownership: ☒ Yes ☐ No
N/A	

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
C	15	25-S	35-E	-	100' N	2589' W	N 32.1373555	W 103.3555709	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
C	15	25-S	35-E	-	100' N	2589' W	N 32.1373555	W 103.3555709	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
N	22	25-S	35-E	-	100' S	2589' W	N 32.1088934	W 103.3555867	LEA

Unitized Area or Area of Uniform Intrest	Spacing Unity Type	Ground Floor Elevation
-	☒ Horizontal ☐ Vertical	-

OPERATOR CERTIFICATION

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.

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.

Cory Walk 4-16-25

Signature Date

Cory Walk

Print Name

cory@permitswest.com

E-mail Address

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.

RAMON DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

2/6/2025 3:32:09 PM

Signature and Seal of Professional Surveyor Date

Certificate Number	Date of Survey
	01/30/2025

M:\SURVEY\CIVITAS_RESOURCES_INC\LEA\JUNIOR_MINT_UNIT\FINAL_PRODUCT\SJUNIOR MINT FED REVISED\LO_JUNIOR_MINT_FED_137H.dwg EHONEBECK 2/6/2025 3:32 PM

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

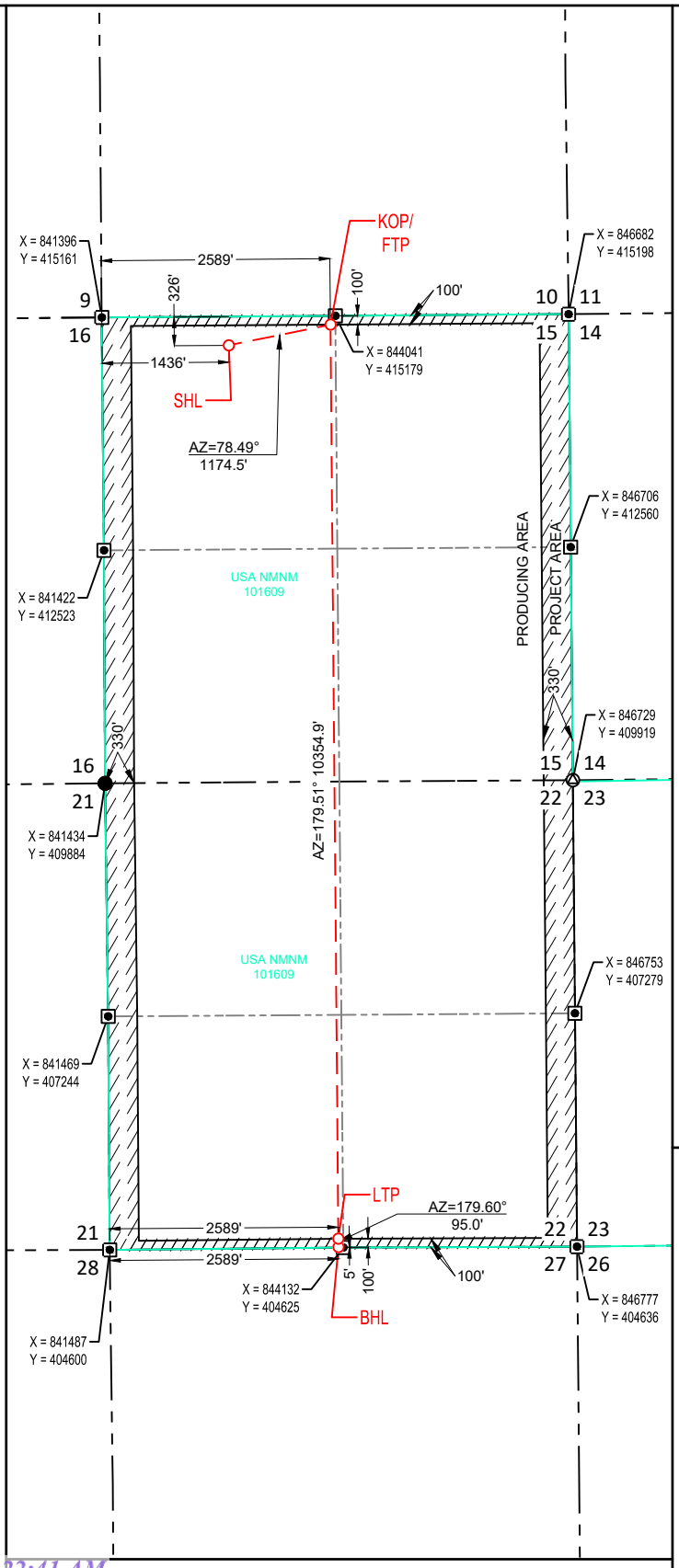
Submittal Type:
- ☐ Initial Submittal
- ☒ Amended Report
- ☐ As Drilled

Property Name and Well Number

JUNIOR MINT FED 137H

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=842835 Y=414845
LAT.: N 32.1367402
LONG.: W 103.3592956
NAD 1927
X=801648 Y=414787
LAT.: N 32.1366138
LONG.: W 103.3588305
326' FNL 1436' FWL

KICK OFF POINT (KOP)
FIRST TAKE POINT (FTP)
NEW MEXICO EAST
NAD 1983
X=843986 Y=415079
LAT.: N 32.1373555
LONG.: W 103.3555709
NAD 1927
X=802799 Y=415021
LAT.: N 32.1372292
LONG.: W 103.3551060
100' FNL 2589' FWL



LAST TAKE POINT (LTP)
NEW MEXICO EAST
NAD 1983
X=844075 Y=404725
LAT.: N 32.1088934
LONG.: W 103.3555867
NAD 1927
X=802888 Y=404667
LAT.: N 32.1087669
LONG.: W 103.3551233
100' FSL 2589' FWL

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=844076 Y=404630
LAT.: N 32.1086323
LONG.: W 103.3555873
NAD 1927
X=802888 Y=404572
LAT.: N 32.1085058
LONG.: W 103.3551240
5' FSL 2589' 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.

01/30/2025
Date of Survey

Signature and Seal of Professional Surveyor:

RAMON DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

2/6/2025 3:32:12 PM

M:\SURVEY\CVITAS_RESOURCES_INC\LEA\JUNIOR_MINT_UNIT\FINAL_PRODUCTS\JUNIOR MINT FED REVISED\LO_JUNIOR_MINT_FED_137H.dwg EHORNBECK 2/6/2025 3:32 PM

CIVITAS

Junior Mint Sundry Summary

4/3/2025

Civitas Resources is requesting sundries/variances for the upcoming Junior Mint drilling campaigns.

1. Cement Volumes and Design: Civitas Resources requests to sundry cement volumes to the following strings with comments noted below:

   - Intermediate Cement: for all Junior Mint wells with deepset 7 5/8" intermediate strings, the following items are updated in the cement table:

     i. Intermediate Lead/Tail Volumes: based of offset TapRock wells drilled in the previous two years, the lead and tail cement volumes are increased to improve assurance of cement to surface.

     ii. Intermediate Yield: The lead cement yield for the 10.5 ppg slurry is updated to reflect recent labs from cement providers.

     iii. Intermediate Contingency for no returns and/or lack of cement to surface: the goal is to ensure quality cement from shoe to surface

        1. No Returns at TD of 9 7/8" Hole: Civitas Resources requests to pump an intentional 2-stage cement job where stage 1 would be pumped to the mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon, thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used

           Stage 1 Cement Details (conventional):
           Single slurry: 15.6 ppg cement, Class H, Yield: 1.18 cuft/sk, 25% xs
           DBE Emulsion Spacer (weighted)

           Stage 2 Cement Details (bradenhead):
           Lead: 14.8 ppg, Class C Thixotropic + LCM, Yield: 1.44 cuft/sk, 100% xs
           DBE Spacer (weighted)

           Tail: 14.8 ppg, Class C Thixotropic, Yield: 1.44 cuft/sk, 100% xs, shoot temp survey to determine TOC

           Top Out (if necessary): 14.8 Class C Neat, Yield: 1.33 cuft/sk; if required, Civitas Resources will request BLM approval to top out after running a temp survey and report back to BLM the amount of volume to flush cement lines to wellhead.

        2. No Cement to Surface 7 5/8" cement Job: Civitas Resources requests to pump an intentional 2-stage cement job where stage 1 would be pumped to the

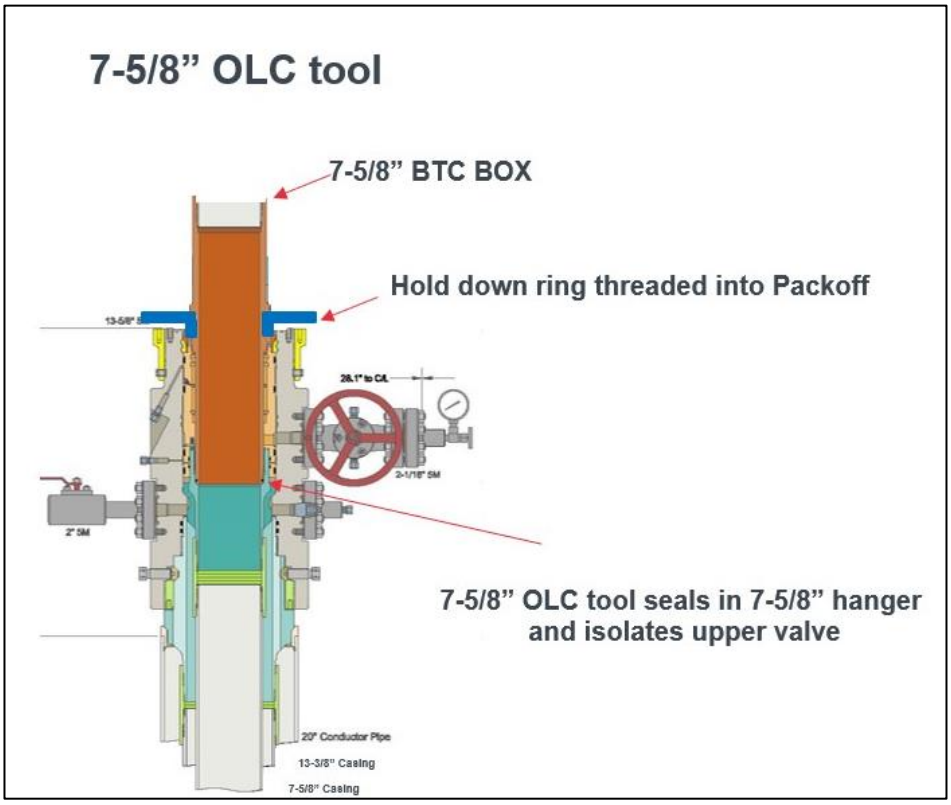
mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon (as described above), thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used and with BLM approval, top out the job as needed.

- Production Cement: the production tail volume has been increased from 200' to 500' to improve the overlap between intermediate and production casing

2. Offline Cementing Intermediate Casing Only: In addition to the batch drilling variance submitted in the original APD, Civitas Resources requests a variance for the option to offline cement intermediate casing strings set higher than the top of the WCA during the Junior Mint drilling campaign. To execute offline cement jobs safely, the following precautions and equipment are detailed below:

   - During the drilling of the 9 7/8" and 10 5/8" hole sections (all TD'd above the WCA top), hole conditions will be monitored and addressed to ensure for a successful casing run. In the event hole conditions change after running casing and/or the well is not in a static state, Civitas Resources can elect to pump the cement job online.

   - Equipment for the offline cement job will include a tested/charted 5M working pressure dual manifold cement head system will be used with a standard offline cement tool that is packed off and tested through a port between the upper valve and packoff assembly (diagram below). Returns from the manifold will be taken to an auxiliary mud-gas separator during cement job. The operational scope is described in the following steps: the casing will be landed on the mandrel, pull tested, packoff installed and tested to 80% of collapse of casing on the top and bottom seals, nipple down BOP and install offline cement tool/manifold. The offline cement tool screws into the top of the packoff assembly. During the cement job, all returns will be taken through the A-Section valve (flanged).



3. BOPE Testing Procedure for Batch Drilling: Civitas Resources requests a variance to adjust the BOPE testing procedure to accommodate batch drilling. Details of the request are below:
    - In lieu of a full BOP test during batch intermediate drilling operations, Civitas Resources requests to "Break-Test" or only test BOP connection breaks that are separated during skids between intermediate casing strings set above 5M BOPE thresholds/Wolfcamp A top. Industry standards are adhered to in terms of timing of breaks as noted in API Standard 53 which will include test charts during each skid for the following: Top Pipe Rams or VBRs, HCR, Downstream Kill Line, QDC Adapter – wellhead quick connect, and the body/shell of the BOP stack to 5M for 10 minutes.
    - Depending on the length and position of the next batch drilled intermediate hole section, the flex hose that connects to the choke manifold might have to be broken out, at which point the break will also be tested. This is not expected with Civitas Resources' rig fleet but could occur.
    - All "Break Test" BOPE operations will follow a 14-day limit, such that, Civitas Resources can have a 7-day buffer to execute a full test as per Onshore Order 43 CFR 3172 (21-day limit).
    - After completion of batch drilling operations for all intermediate hole sections above the WCA, the BOP tests will follow Onshore Order 43 CFR 3172
    - In the event any part of the BOPE equipment is changed or fails a test, a full test BOPE test will be performed. If the "Break Test" is not performed during the proper timing interval, a full BOPE test will take place.
    - The BLM will be contacted in the event a well control event is encountered.
    - During all "Break Test" or full BOPE tests, the BLM will be notified 4 hours before the test.
    - Before drilling out intermediate shoes and commencing production hole drilling, a full BOP test will be performed for all targets requiring a 10M BOPE pressure test; this test will override a previous 14 day "Break Test" interval.

4. Centralizer Variance: Due to the design of the intermediate casing strings on the Third Bone Spring Sand, WCA, and WCB intervals on the Junior Mint development (11 3/4" x 7 5/8" x 5 ½" casing design), a variance to waive the centralizers is requested due to the tight clearance between 6 ¾" hole and 5 ½" casing and the risk of not getting casing to bottom.

- Junior Mint Fed 137, 3BSS Target

Estimated Tops:

Formation	TVD	MD	Lithologies	Bearing
Quarternary Deposits	0	0	Surface	None
Rustler	660	660	Salt	Salt
Top Salt	1,100	1,106	Salt	Salt
Base Salt	4,920	5,041	**Salt**	Salt
DMG	5,160	5,281	Sandstone	None
Lamar	5,165	5,286	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,306	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,326	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,282	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,752	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	9,062	Carbonate	Hydrocarbons
Upper Avalon	8,955	9,087	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,317	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,297	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,462	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,847	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,397	Carbonate	Hydrocarbons
3rd BS Sand	11,895	12,027	Sandstone	Hydrocarbons
KOP	11554	11686	Carbonate	Hydrocarbons
TD	12213	22513	Carbonate	Hydrocarbons

Casing Design:

Section	Drilled Interval			Casing Size	Standard	Tapered	Casing Set Depths				Casing Details					
	Hole Size	Top	Btm				Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	14 3/4	0	1,081	11 3/4	API	No	0	1,081	0	1,081	J-55	47	BTC	1.13	1.15	1.6
1st Intermediate	9 7/8	1,081	11,486	7 5/8	API	No	0	11,486	0	11,354	P-110	29.7	BTC	1.13	1.15	1.6
Production	6 3/4	11,486	11,586	5 1/2	NON API	No	0	11,586	0	11,554	P110RYS	23	Talon	1.13	1.15	1.6
	6 3/4	11,586	22,513	5 1/2	NON API	No	11,586	22,513	11,554	12,213	P110RY	23	Talon	1.13	1.15	1.6

Cement Volumes:

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	394	1.72	678	13.5	100%	C	Additives + LCM
	Tail	781	196	1.33	260	14.8	100%	C	Additives + LCM
Intermediate	Lead	0	1028	4.29	4411	10.5	200%	C	Contingency Bradenhead Squeeze, LCM Lead
	Tail	10486	129	1.67	215	13.2	100%	C	Additives + LCM
Production	Tail	10986	932	1.24	1155	13.2	20%	H	Fluid Loss + Dispersant + Retarder + LCM

Mud Program:

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1,081	FW Spud Mud	8.40	28	NC
1st Intermediate	1,081	11,486	DBE	9.20	27-30	NC
Production	11,486	22,513	OBM	12.50	55-65	<16

U. S. Steel Tubular Products

2/25/2025 2:43:45 PM

5.500" 23.00lb/ft (0.415" Wall) P110 RY USS-TALON HTQ™ RD

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	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™ RD**		**--**
Critical Area	6.630	6.425	sq. in.	--
Joint Efficiency	--	96.9	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	14,540	14,540	psi	--
Minimum Internal Yield Pressure	14,520	14,520	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	707,000	lb	--
Compression Rating	--	707,000	lb	--
Reference Length	--	20,490	ft	[5]
Maximum Uniaxial Bend Rating	--	88.9	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	20,800	ft-lb	[4]
Maximum Make-Up Torque	--	23,800	ft-lb	[4]
Maximum Operating Torque	--	39,800	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.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

U. S. Steel Tubular Products

2/25/2025 2:25:12 PM

5.500" 23.00lb/ft (0.415" Wall) USS RYS110 USS-TALON HTQ™ RD

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	120,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	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™ RD**		**--**
Critical Area	6.630	6.425	sq. in.	--
Joint Efficiency	--	96.9	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	14,540	14,540	psi	--
Minimum Internal Yield Pressure	14,520	14,520	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	707,000	lb	--
Compression Rating	--	707,000	lb	--
Reference Length	--	20,490	ft	[5]
Maximum Uniaxial Bend Rating	--	88.9	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	20,800	ft-lb	[4]
Maximum Make-Up Torque	--	23,800	ft-lb	[4]
Maximum Operating Torque	--	39,800	ft-lb	[4]

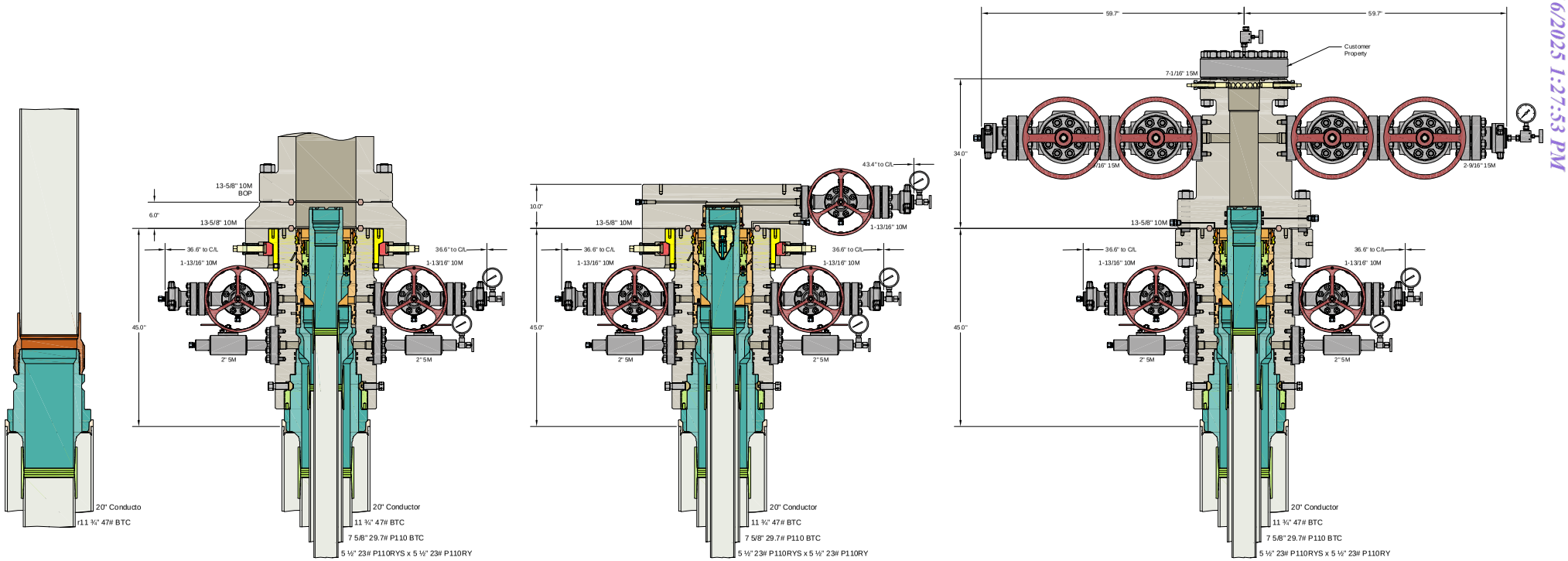
UNCONTROLLED

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.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIVITAS RESOURCES
DELAWARE BASIN

20" x 11-3/4" x 7-5/8" x 5-1/2" MBU-3T-SF Wellhead System
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And Quick Connect Drill Adapter & Quick Connect TA Cap

DRAWN	VJK	13FEB25
APPRV		
DRAWING NO.	REF: HBE0001444	

Do Not Cross SL

Project: Lea County, NM (NAD 83)
Site: Junior Mint Fed Pad
Well: Junior Mint Fed 137H
Wellbore: OH
Design: Plan 1
Rig: 26' KB

CIVITAS

Azimuths to Grid North
True North: -0.52°
Magnetic North: 5.55°

Magnetic Field
Strength: 47069.4nT
Dip Angle: 59.57°
Date: 7/15/2025
Model: HDGM2025

Total Magnetic Correction: 5.55°

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 3220 + 26 @ 3246.00usft (26' KB)

SHL

RKB Elevation: GE 3220 + 26 @ 3246.00usft (26' KB)

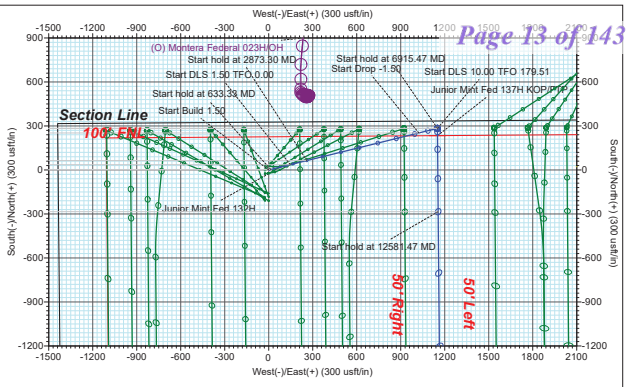
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	414845.00	842835.00	32.1367399	-103.3592955	

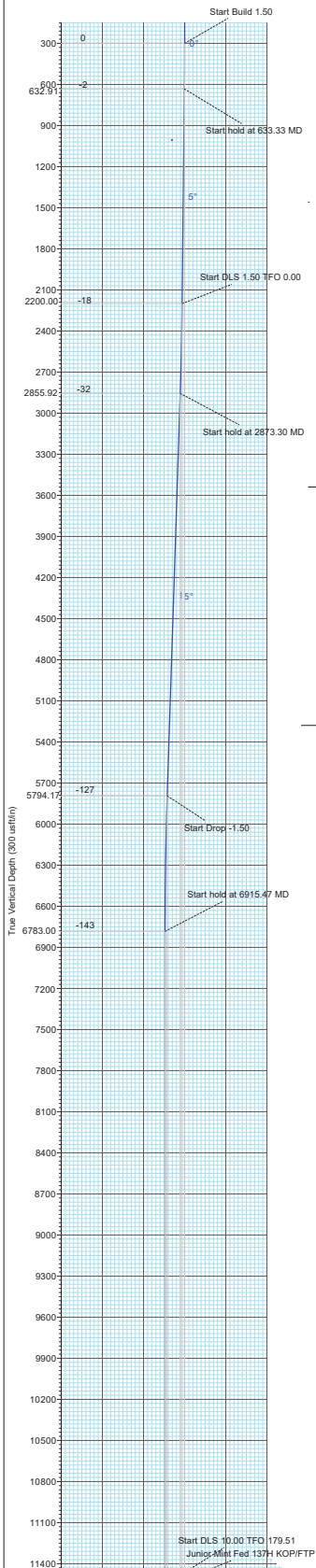
SECTION DETAILS

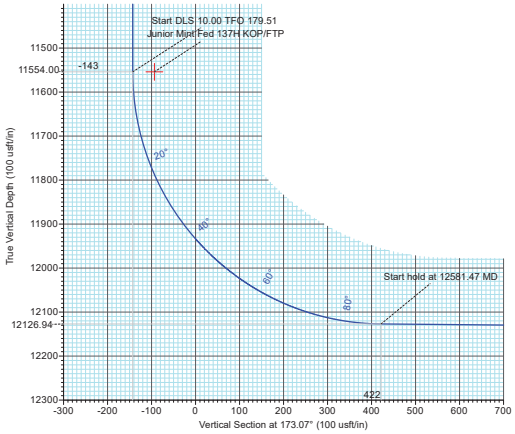
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	76.15	632.91	3.48	14.11	1.50	76.15	-1.75	
2206.41	5.00	76.15	2200.00	36.30	147.23	0.00	0.00	-18.27	
2873.30	15.00	76.15	2855.92	63.99	259.54	1.50	0.00	-32.20	
5915.24	15.00	76.15	5794.17	252.46	1024.14	0.00	0.00	-127.04	
6915.47	0.00	0.00	6783.00	283.62	1150.57	1.50	180.00	-142.72	
11686.47	0.00	0.00	11554.00	283.62	1150.57	0.00	0.00	-142.72	
12581.47	89.50	179.51	12126.94	-284.32	1155.46	10.00	179.51	421.66	
22512.90	89.50	179.51	12213.50	-10215.00	1241.00	0.00	0.00	10290.11	

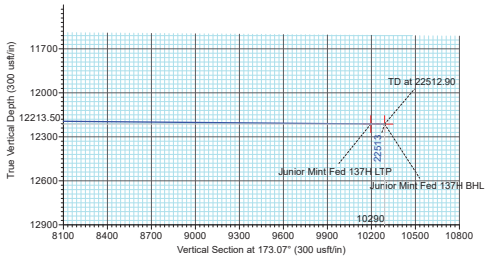
WELLBORE TARGET DETAILS

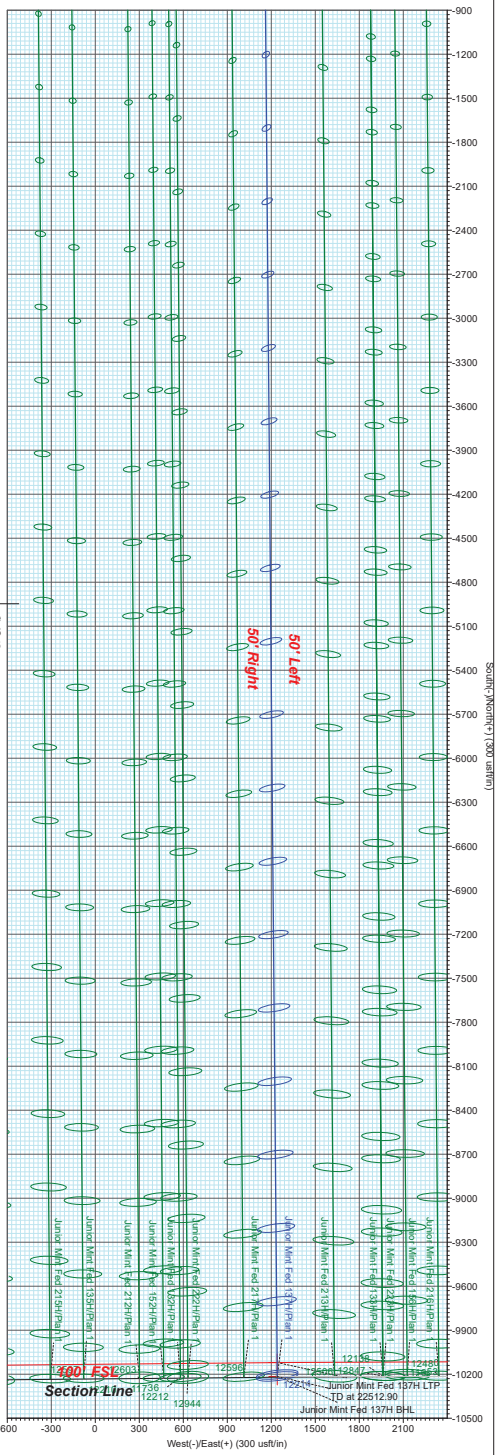
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 137H KOP/FTP	11554.00	234.00	1151.00	415079.00	843986.00	32.1373544	-103.3555706
Junior Mint Fed 137H LTP	12213.00	-10120.00	1240.00	404725.00	844075.00	32.1088937	-103.3555866
Junior Mint Fed 137H BHL	12213.50	-10215.00	1241.00	404630.00	844076.00	32.1086326	-103.3555862











Do Not Cross SL

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 137H

OH

Plan: Plan 1

Total Directional
"Driven by TOTAL performance"
total

Standard Plan Report

25 March, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Project Lea County, NM (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Junior Mint Fed Pad

Site Position:		**Northing:**	414,635.00 usft	**Latitude:**	32.1361627
From:	Map	**Easting:**	842,835.00 usft	**Longitude:**	-103.3593016
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Junior Mint Fed 137H

Well Position	**+N/-S**	0.00 usft	**Northing:**	414,845.00 usft	**Latitude:**	32.1367399
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3592955
Position Uncertainty		0.50 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,220.00 usft
Grid Convergence:		0.52 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	7/15/2025	6.07	59.57	47,069.40000000

Design Plan 1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	173.07

Survey Tool Program **Date** 3/25/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,512.90	Plan 1 (OH)	MWD+HRGM+SAG+FDIF	OWSG MWD + HRGM + SAG + FDIR Correction

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

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	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	76.15	632.91	3.48	14.11	1.50	1.50	0.00	76.15	
2,206.41	5.00	76.15	2,200.00	36.30	147.23	0.00	0.00	0.00	0.00	
2,873.30	15.00	76.15	2,855.92	63.99	259.54	1.50	1.50	0.00	0.00	
5,915.24	15.00	76.15	5,794.17	252.46	1,024.14	0.00	0.00	0.00	0.00	
6,915.47	0.00	0.00	6,783.00	283.62	1,150.57	1.50	-1.50	0.00	180.00	
11,686.47	0.00	0.00	11,554.00	283.62	1,150.57	0.00	0.00	0.00	0.00	
12,581.47	89.50	179.51	12,126.94	-284.32	1,155.46	10.00	10.00	20.06	179.51	
22,512.90	89.50	179.51	12,213.50	-10,215.00	1,241.00	0.00	0.00	0.00	0.00	

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)
0.00	0.00	0.00	0.00	0.00	0.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.00	0.00	0.00
400.00	1.50	76.15	399.99	0.31	1.27	414,845.31	842,836.27	32.1367408	-103.3592913	-0.16	1.50	1.50	0.00
500.00	3.00	76.15	499.91	1.25	5.08	414,846.25	842,840.08	32.1367433	-103.3592790	-0.63	1.50	1.50	0.00
600.00	4.50	76.15	599.69	2.82	11.43	414,847.82	842,846.43	32.1367474	-103.3592584	-1.42	1.50	1.50	0.00
633.33	5.00	76.15	632.91	3.48	14.11	414,848.48	842,849.11	32.1367492	-103.3592498	-1.75	1.50	1.50	0.00
700.00	5.00	76.15	699.32	4.87	19.75	414,849.87	842,854.75	32.1367528	-103.3592315	-2.45	0.00	0.00	0.00
800.00	5.00	76.15	798.94	6.96	28.22	414,851.96	842,863.22	32.1367584	-103.3592041	-3.50	0.00	0.00	0.00
900.00	5.00	76.15	898.56	9.04	36.68	414,854.04	842,871.68	32.1367639	-103.3591767	-4.55	0.00	0.00	0.00
1,000.00	5.00	76.15	998.18	11.13	45.14	414,856.13	842,880.14	32.1367694	-103.3591493	-5.60	0.00	0.00	0.00
1,100.00	5.00	76.15	1,097.80	13.22	53.60	414,858.22	842,888.60	32.1367749	-103.3591219	-6.65	0.00	0.00	0.00
1,200.00	5.00	76.15	1,197.42	15.30	62.06	414,860.30	842,897.06	32.1367805	-103.3590945	-7.70	0.00	0.00	0.00
1,300.00	5.00	76.15	1,297.04	17.39	70.53	414,862.39	842,905.53	32.1367860	-103.3590671	-8.75	0.00	0.00	0.00
1,400.00	5.00	76.15	1,396.66	19.47	78.99	414,864.47	842,913.99	32.1367915	-103.3590397	-9.80	0.00	0.00	0.00
1,500.00	5.00	76.15	1,496.28	21.56	87.45	414,866.56	842,922.45	32.1367970	-103.3590123	-10.85	0.00	0.00	0.00
1,600.00	5.00	76.15	1,595.90	23.65	95.91	414,868.65	842,930.91	32.1368026	-103.3589849	-11.90	0.00	0.00	0.00
1,700.00	5.00	76.15	1,695.52	25.73	104.38	414,870.73	842,939.38	32.1368081	-103.3589575	-12.95	0.00	0.00	0.00
1,800.00	5.00	76.15	1,795.14	27.82	112.84	414,872.82	842,947.84	32.1368136	-103.3589301	-14.00	0.00	0.00	0.00
1,900.00	5.00	76.15	1,894.76	29.91	121.30	414,874.91	842,956.30	32.1368191	-103.3589028	-15.05	0.00	0.00	0.00
2,000.00	5.00	76.15	1,994.38	31.99	129.76	414,876.99	842,964.76	32.1368246	-103.3588754	-16.10	0.00	0.00	0.00
2,100.00	5.00	76.15	2,094.00	34.08	138.22	414,879.08	842,973.22	32.1368302	-103.3588480	-17.15	0.00	0.00	0.00
2,206.41	5.00	76.15	2,200.00	36.30	147.23	414,881.30	842,982.23	32.1368360	-103.3588188	-18.27	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
2,300.00	6.40	76.15	2,293.13	38.52	156.26	414,883.52	842,991.26	32.1368419	-103.3587896	-19.39	1.50	1.50	0.00
2,400.00	7.90	76.15	2,392.34	41.51	168.35	414,886.51	843,003.35	32.1368498	-103.3587504	-20.89	1.50	1.50	0.00
2,500.00	9.40	76.15	2,491.20	45.11	182.96	414,890.11	843,017.96	32.1368594	-103.3587031	-22.70	1.50	1.50	0.00
2,600.00	10.90	76.15	2,589.63	49.33	200.07	414,894.33	843,035.07	32.1368705	-103.3586477	-24.83	1.50	1.50	0.00
2,700.00	12.40	76.15	2,687.57	54.16	219.69	414,899.16	843,054.69	32.1368833	-103.3585842	-27.26	1.50	1.50	0.00
2,800.00	13.90	76.15	2,784.94	59.61	241.78	414,904.61	843,076.78	32.1368978	-103.3585127	-30.00	1.50	1.50	0.00
2,873.30	15.00	76.15	2,855.92	63.99	259.54	414,908.99	843,094.54	32.1369094	-103.3584552	-32.20	1.50	1.50	0.00
2,900.00	15.00	76.15	2,881.71	65.64	266.25	414,910.64	843,101.25	32.1369137	-103.3584335	-33.04	0.00	0.00	0.00
3,000.00	15.00	76.15	2,978.30	71.84	291.39	414,916.84	843,126.39	32.1369301	-103.3583521	-36.15	0.00	0.00	0.00
3,100.00	15.00	76.15	3,074.89	78.03	316.53	414,923.03	843,151.53	32.1369465	-103.3582707	-39.27	0.00	0.00	0.00
3,200.00	15.00	76.15	3,171.49	84.23	341.66	414,929.23	843,176.66	32.1369629	-103.3581893	-42.39	0.00	0.00	0.00
3,300.00	15.00	76.15	3,268.08	90.42	366.80	414,935.42	843,201.80	32.1369793	-103.3581080	-45.51	0.00	0.00	0.00
3,400.00	15.00	76.15	3,364.67	96.62	391.93	414,941.62	843,226.93	32.1369958	-103.3580266	-48.62	0.00	0.00	0.00
3,500.00	15.00	76.15	3,461.26	102.81	417.07	414,947.81	843,252.07	32.1370122	-103.3579452	-51.74	0.00	0.00	0.00
3,600.00	15.00	76.15	3,557.85	109.01	442.20	414,954.01	843,277.20	32.1370286	-103.3578638	-54.86	0.00	0.00	0.00
3,700.00	15.00	76.15	3,654.44	115.21	467.34	414,960.21	843,302.34	32.1370450	-103.3577825	-57.98	0.00	0.00	0.00
3,800.00	15.00	76.15	3,751.03	121.40	492.47	414,966.40	843,327.47	32.1370614	-103.3577011	-61.09	0.00	0.00	0.00
3,900.00	15.00	76.15	3,847.62	127.60	517.61	414,972.60	843,352.61	32.1370778	-103.3576197	-64.21	0.00	0.00	0.00
4,000.00	15.00	76.15	3,944.21	133.79	542.74	414,978.79	843,377.74	32.1370942	-103.3575383	-67.33	0.00	0.00	0.00
4,100.00	15.00	76.15	4,040.80	139.99	567.88	414,984.99	843,402.88	32.1371106	-103.3574570	-70.45	0.00	0.00	0.00
4,200.00	15.00	76.15	4,137.40	146.18	593.01	414,991.18	843,428.01	32.1371270	-103.3573756	-73.57	0.00	0.00	0.00
4,300.00	15.00	76.15	4,233.99	152.38	618.15	414,997.38	843,453.15	32.1371434	-103.3572942	-76.68	0.00	0.00	0.00
4,400.00	15.00	76.15	4,330.58	158.58	643.28	415,003.58	843,478.28	32.1371598	-103.3572128	-79.80	0.00	0.00	0.00
4,500.00	15.00	76.15	4,427.17	164.77	668.42	415,009.77	843,503.42	32.1371762	-103.3571315	-82.92	0.00	0.00	0.00
4,600.00	15.00	76.15	4,523.76	170.97	693.55	415,015.97	843,528.55	32.1371926	-103.3570501	-86.04	0.00	0.00	0.00
4,700.00	15.00	76.15	4,620.35	177.16	718.69	415,022.16	843,553.69	32.1372090	-103.3569687	-89.15	0.00	0.00	0.00
4,800.00	15.00	76.15	4,716.94	183.36	743.82	415,028.36	843,578.82	32.1372254	-103.3568873	-92.27	0.00	0.00	0.00
4,900.00	15.00	76.15	4,813.53	189.55	768.96	415,034.55	843,603.96	32.1372418	-103.3568060	-95.39	0.00	0.00	0.00
5,000.00	15.00	76.15	4,910.12	195.75	794.09	415,040.75	843,629.09	32.1372582	-103.3567246	-98.51	0.00	0.00	0.00
5,100.00	15.00	76.15	5,006.72	201.95	819.23	415,046.95	843,654.23	32.1372746	-103.3566432	-101.63	0.00	0.00	0.00
5,200.00	15.00	76.15	5,103.31	208.14	844.36	415,053.14	843,679.36	32.1372910	-103.3565618	-104.74	0.00	0.00	0.00
5,300.00	15.00	76.15	5,199.90	214.34	869.50	415,059.34	843,704.50	32.1373074	-103.3564805	-107.86	0.00	0.00	0.00
5,400.00	15.00	76.15	5,296.49	220.53	894.64	415,065.53	843,729.63	32.1373238	-103.3563991	-110.98	0.00	0.00	0.00
5,500.00	15.00	76.15	5,393.08	226.73	919.77	415,071.73	843,754.77	32.1373402	-103.3563177	-114.10	0.00	0.00	0.00
5,600.00	15.00	76.15	5,489.67	232.92	944.91	415,077.92	843,779.91	32.1373566	-103.3562363	-117.21	0.00	0.00	0.00
5,700.00	15.00	76.15	5,586.26	239.12	970.04	415,084.12	843,805.04	32.1373730	-103.3561550	-120.33	0.00	0.00	0.00
5,800.00	15.00	76.15	5,682.85	245.32	995.18	415,090.32	843,830.18	32.1373894	-103.3560736	-123.45	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
5,900.00	15.00	76.15	5,779.44	251.51	1,020.31	415,096.51	843,855.31	32.1374058	-103.3559922	-126.57	0.00	0.00	0.00
5,915.24	15.00	76.15	5,794.17	252.46	1,024.14	415,097.46	843,859.14	32.1374083	-103.3559798	-127.04	0.00	0.00	0.00
6,000.00	13.73	76.15	5,876.27	257.49	1,044.56	415,102.49	843,879.56	32.1374217	-103.3559137	-129.58	1.50	-1.50	0.00
6,100.00	12.23	76.15	5,973.71	262.87	1,066.37	415,107.87	843,901.37	32.1374359	-103.3558431	-132.28	1.50	-1.50	0.00
6,200.00	10.73	76.15	6,071.71	267.63	1,085.70	415,112.63	843,920.70	32.1374485	-103.3557805	-134.68	1.50	-1.50	0.00
6,300.00	9.23	76.15	6,170.19	271.78	1,102.53	415,116.78	843,937.53	32.1374595	-103.3557260	-136.77	1.50	-1.50	0.00
6,400.00	7.73	76.15	6,269.10	275.31	1,116.85	415,120.31	843,951.85	32.1374688	-103.3556797	-138.54	1.50	-1.50	0.00
6,500.00	6.23	76.15	6,368.35	278.22	1,128.65	415,123.22	843,963.65	32.1374765	-103.3556415	-140.01	1.50	-1.50	0.00
6,600.00	4.73	76.15	6,467.89	280.50	1,137.93	415,125.50	843,972.93	32.1374826	-103.3556114	-141.16	1.50	-1.50	0.00
6,700.00	3.23	76.15	6,567.65	282.17	1,144.67	415,127.17	843,979.67	32.1374870	-103.3555896	-141.99	1.50	-1.50	0.00
6,800.00	1.73	76.15	6,667.55	283.20	1,148.88	415,128.20	843,983.88	32.1374897	-103.3555760	-142.51	1.50	-1.50	0.00
6,900.00	0.23	76.15	6,767.53	283.61	1,150.54	415,128.61	843,985.54	32.1374908	-103.3555706	-142.72	1.50	-1.50	0.00
6,915.47	0.00	0.00	6,783.00	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	1.50	-1.50	0.00
7,000.00	0.00	0.00	6,867.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,100.00	0.00	0.00	6,967.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,200.00	0.00	0.00	7,067.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,300.00	0.00	0.00	7,167.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,400.00	0.00	0.00	7,267.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,500.00	0.00	0.00	7,367.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,600.00	0.00	0.00	7,467.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,700.00	0.00	0.00	7,567.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,800.00	0.00	0.00	7,667.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
7,900.00	0.00	0.00	7,767.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,000.00	0.00	0.00	7,867.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,100.00	0.00	0.00	7,967.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,200.00	0.00	0.00	8,067.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,300.00	0.00	0.00	8,167.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,400.00	0.00	0.00	8,267.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,500.00	0.00	0.00	8,367.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,600.00	0.00	0.00	8,467.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,700.00	0.00	0.00	8,567.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,800.00	0.00	0.00	8,667.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
8,900.00	0.00	0.00	8,767.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,000.00	0.00	0.00	8,867.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,100.00	0.00	0.00	8,967.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,200.00	0.00	0.00	9,067.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,300.00	0.00	0.00	9,167.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,400.00	0.00	0.00	9,267.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
9,500.00	0.00	0.00	9,367.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,600.00	0.00	0.00	9,467.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,700.00	0.00	0.00	9,567.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,800.00	0.00	0.00	9,667.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
9,900.00	0.00	0.00	9,767.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,000.00	0.00	0.00	9,867.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,100.00	0.00	0.00	9,967.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,200.00	0.00	0.00	10,067.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,300.00	0.00	0.00	10,167.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,400.00	0.00	0.00	10,267.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,500.00	0.00	0.00	10,367.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,600.00	0.00	0.00	10,467.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,700.00	0.00	0.00	10,567.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,800.00	0.00	0.00	10,667.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
10,900.00	0.00	0.00	10,767.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,000.00	0.00	0.00	10,867.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,100.00	0.00	0.00	10,967.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,200.00	0.00	0.00	11,067.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,300.00	0.00	0.00	11,167.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,400.00	0.00	0.00	11,267.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,500.00	0.00	0.00	11,367.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,600.00	0.00	0.00	11,467.53	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,686.47	0.00	0.00	11,554.00	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	0.00	0.00	0.00
11,687.05	0.06	179.51	11,554.59	283.62	1,150.57	415,128.62	843,985.57	32.1374908	-103.3555705	-142.72	10.00	10.00	0.00
Junior Mint Fed 137H KOP/FTP													
11,700.00	1.35	179.51	11,567.53	283.46	1,150.57	415,128.46	843,985.57	32.1374904	-103.3555705	-142.57	10.00	10.00	0.00
11,750.00	6.35	179.51	11,617.40	280.10	1,150.60	415,125.10	843,985.60	32.1374812	-103.3555705	-139.23	10.00	10.00	0.00
11,800.00	11.35	179.51	11,666.79	272.41	1,150.67	415,117.41	843,985.67	32.1374600	-103.3555705	-131.58	10.00	10.00	0.00
11,850.00	16.35	179.51	11,715.32	260.44	1,150.77	415,105.44	843,985.77	32.1374271	-103.3555705	-119.69	10.00	10.00	0.00
11,900.00	21.35	179.51	11,762.62	244.29	1,150.91	415,089.29	843,985.91	32.1373827	-103.3555706	-103.64	10.00	10.00	0.00
11,950.00	26.35	179.51	11,808.34	224.08	1,151.08	415,069.08	843,986.08	32.1373272	-103.3555706	-83.55	10.00	10.00	0.00
12,000.00	31.35	179.51	11,852.12	199.96	1,151.29	415,044.96	843,986.29	32.1372609	-103.3555706	-59.59	10.00	10.00	0.00
12,050.00	36.35	179.51	11,893.63	172.11	1,151.53	415,017.11	843,986.53	32.1371843	-103.3555707	-31.92	10.00	10.00	0.00
12,100.00	41.35	179.51	11,932.55	140.76	1,151.80	414,985.76	843,986.80	32.1370981	-103.3555707	-0.76	10.00	10.00	0.00
12,150.00	46.35	179.51	11,968.60	106.13	1,152.10	414,951.13	843,987.10	32.1370029	-103.3555708	33.65	10.00	10.00	0.00
12,200.00	51.35	179.51	12,001.49	68.49	1,152.42	414,913.49	843,987.42	32.1368995	-103.3555708	71.06	10.00	10.00	0.00
12,250.00	56.35	179.51	12,030.97	28.13	1,152.77	414,873.13	843,987.77	32.1367885	-103.3555709	111.16	10.00	10.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
12,300.00	61.35	179.51	12,056.82	-14.65	1,153.14	414,830.35	843,988.14	32.1366710	-103.3555709	153.67	10.00	10.00	0.00
12,350.00	66.35	179.51	12,078.85	-59.51	1,153.53	414,785.49	843,988.53	32.1365476	-103.3555710	198.26	10.00	10.00	0.00
12,400.00	71.35	179.51	12,096.88	-106.13	1,153.93	414,738.87	843,988.93	32.1364195	-103.3555711	244.58	10.00	10.00	0.00
12,450.00	76.35	179.51	12,110.78	-154.14	1,154.34	414,690.86	843,989.34	32.1362875	-103.3555712	292.29	10.00	10.00	0.00
12,500.00	81.35	179.51	12,120.45	-203.18	1,154.76	414,641.82	843,989.76	32.1361527	-103.3555712	341.03	10.00	10.00	0.00
12,550.00	86.35	179.51	12,125.80	-252.88	1,155.19	414,592.12	843,990.19	32.1360161	-103.3555713	390.41	10.00	10.00	0.00
12,581.47	89.50	179.51	12,126.94	-284.32	1,155.46	414,560.68	843,990.46	32.1359297	-103.3555714	421.66	10.00	10.00	0.00
12,600.00	89.50	179.51	12,127.10	-302.85	1,155.62	414,542.15	843,990.62	32.1358788	-103.3555714	440.07	0.00	0.00	0.00
12,700.00	89.50	179.51	12,127.97	-402.84	1,156.48	414,442.16	843,991.48	32.1356039	-103.3555715	539.43	0.00	0.00	0.00
12,800.00	89.50	179.51	12,128.84	-502.83	1,157.34	414,342.17	843,992.34	32.1353291	-103.3555717	638.80	0.00	0.00	0.00
12,900.00	89.50	179.51	12,129.71	-602.83	1,158.21	414,242.17	843,993.21	32.1350542	-103.3555718	738.17	0.00	0.00	0.00
13,000.00	89.50	179.51	12,130.58	-702.82	1,159.07	414,142.18	843,994.07	32.1347793	-103.3555720	837.53	0.00	0.00	0.00
13,100.00	89.50	179.51	12,131.46	-802.81	1,159.93	414,042.19	843,994.93	32.1345045	-103.3555721	936.90	0.00	0.00	0.00
13,200.00	89.50	179.51	12,132.33	-902.80	1,160.79	413,942.20	843,995.79	32.1342296	-103.3555723	1,036.26	0.00	0.00	0.00
13,300.00	89.50	179.51	12,133.20	-1,002.80	1,161.65	413,842.20	843,996.65	32.1339548	-103.3555724	1,135.63	0.00	0.00	0.00
13,400.00	89.50	179.51	12,134.07	-1,102.79	1,162.51	413,742.21	843,997.51	32.1336799	-103.3555726	1,235.00	0.00	0.00	0.00
13,500.00	89.50	179.51	12,134.94	-1,202.78	1,163.37	413,642.22	843,998.37	32.1334051	-103.3555727	1,334.36	0.00	0.00	0.00
13,600.00	89.50	179.51	12,135.81	-1,302.77	1,164.23	413,542.23	843,999.23	32.1331302	-103.3555729	1,433.73	0.00	0.00	0.00
13,700.00	89.50	179.51	12,136.69	-1,402.77	1,165.10	413,442.23	844,000.10	32.1328554	-103.3555730	1,533.09	0.00	0.00	0.00
13,800.00	89.50	179.51	12,137.56	-1,502.76	1,165.96	413,342.24	844,000.96	32.1325805	-103.3555732	1,632.46	0.00	0.00	0.00
13,900.00	89.50	179.51	12,138.43	-1,602.75	1,166.82	413,242.25	844,001.82	32.1323056	-103.3555733	1,731.83	0.00	0.00	0.00
14,000.00	89.50	179.51	12,139.30	-1,702.74	1,167.68	413,142.26	844,002.68	32.1320308	-103.3555735	1,831.19	0.00	0.00	0.00
14,100.00	89.50	179.51	12,140.17	-1,802.74	1,168.54	413,042.26	844,003.54	32.1317559	-103.3555736	1,930.56	0.00	0.00	0.00
14,200.00	89.50	179.51	12,141.04	-1,902.73	1,169.40	412,942.27	844,004.40	32.1314811	-103.3555738	2,029.92	0.00	0.00	0.00
14,300.00	89.50	179.51	12,141.92	-2,002.72	1,170.26	412,842.28	844,005.26	32.1312062	-103.3555739	2,129.29	0.00	0.00	0.00
14,400.00	89.50	179.51	12,142.79	-2,102.71	1,171.12	412,742.29	844,006.12	32.1309314	-103.3555741	2,228.66	0.00	0.00	0.00
14,500.00	89.50	179.51	12,143.66	-2,202.71	1,171.99	412,642.29	844,006.99	32.1306565	-103.3555742	2,328.02	0.00	0.00	0.00
14,600.00	89.50	179.51	12,144.53	-2,302.70	1,172.85	412,542.30	844,007.85	32.1303817	-103.3555744	2,427.39	0.00	0.00	0.00
14,700.00	89.50	179.51	12,145.40	-2,402.69	1,173.71	412,442.31	844,008.71	32.1301068	-103.3555745	2,526.75	0.00	0.00	0.00
14,800.00	89.50	179.51	12,146.27	-2,502.68	1,174.57	412,342.32	844,009.57	32.1298320	-103.3555747	2,626.12	0.00	0.00	0.00
14,900.00	89.50	179.51	12,147.14	-2,602.68	1,175.43	412,242.32	844,010.43	32.1295571	-103.3555748	2,725.48	0.00	0.00	0.00
15,000.00	89.50	179.51	12,148.02	-2,702.67	1,176.29	412,142.33	844,011.29	32.1292822	-103.3555750	2,824.85	0.00	0.00	0.00
15,100.00	89.50	179.51	12,148.89	-2,802.66	1,177.15	412,042.34	844,012.15	32.1290074	-103.3555751	2,924.22	0.00	0.00	0.00
15,200.00	89.50	179.51	12,149.76	-2,902.65	1,178.02	411,942.35	844,013.02	32.1287325	-103.3555753	3,023.58	0.00	0.00	0.00
15,300.00	89.50	179.51	12,150.63	-3,002.65	1,178.88	411,842.35	844,013.88	32.1284577	-103.3555754	3,122.95	0.00	0.00	0.00
15,400.00	89.50	179.51	12,151.50	-3,102.64	1,179.74	411,742.36	844,014.74	32.1281828	-103.3555756	3,222.31	0.00	0.00	0.00
15,500.00	89.50	179.51	12,152.37	-3,202.63	1,180.60	411,642.37	844,015.60	32.1279080	-103.3555757	3,321.68	0.00	0.00	0.00
15,600.00	89.50	179.51	12,153.25	-3,302.62	1,181.46	411,542.38	844,016.46	32.1276331	-103.3555759	3,421.05	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
15,700.00	89.50	179.51	12,154.12	-3,402.62	1,182.32	411,442.38	844,017.32	32.1273583	-103.3555760	3,520.41	0.00	0.00	0.00
15,800.00	89.50	179.51	12,154.99	-3,502.61	1,183.18	411,342.39	844,018.18	32.1270834	-103.3555762	3,619.78	0.00	0.00	0.00
15,900.00	89.50	179.51	12,155.86	-3,602.60	1,184.04	411,242.40	844,019.04	32.1268085	-103.3555763	3,719.14	0.00	0.00	0.00
16,000.00	89.50	179.51	12,156.73	-3,702.59	1,184.91	411,142.41	844,019.91	32.1265337	-103.3555765	3,818.51	0.00	0.00	0.00
16,100.00	89.50	179.51	12,157.60	-3,802.59	1,185.77	411,042.41	844,020.77	32.1262588	-103.3555766	3,917.88	0.00	0.00	0.00
16,200.00	89.50	179.51	12,158.48	-3,902.58	1,186.63	410,942.42	844,021.63	32.1259840	-103.3555768	4,017.24	0.00	0.00	0.00
16,300.00	89.50	179.51	12,159.35	-4,002.57	1,187.49	410,842.43	844,022.49	32.1257091	-103.3555769	4,116.61	0.00	0.00	0.00
16,400.00	89.50	179.51	12,160.22	-4,102.56	1,188.35	410,742.44	844,023.35	32.1254343	-103.3555771	4,215.97	0.00	0.00	0.00
16,500.00	89.50	179.51	12,161.09	-4,202.56	1,189.21	410,642.44	844,024.21	32.1251594	-103.3555772	4,315.34	0.00	0.00	0.00
16,600.00	89.50	179.51	12,161.96	-4,302.55	1,190.07	410,542.45	844,025.07	32.1248845	-103.3555774	4,414.70	0.00	0.00	0.00
16,700.00	89.50	179.51	12,162.83	-4,402.54	1,190.93	410,442.46	844,025.93	32.1246097	-103.3555775	4,514.07	0.00	0.00	0.00
16,800.00	89.50	179.51	12,163.71	-4,502.53	1,191.80	410,342.47	844,026.80	32.1243348	-103.3555777	4,613.44	0.00	0.00	0.00
16,900.00	89.50	179.51	12,164.58	-4,602.53	1,192.66	410,242.47	844,027.66	32.1240600	-103.3555778	4,712.80	0.00	0.00	0.00
17,000.00	89.50	179.51	12,165.45	-4,702.52	1,193.52	410,142.48	844,028.52	32.1237851	-103.3555780	4,812.17	0.00	0.00	0.00
17,100.00	89.50	179.51	12,166.32	-4,802.51	1,194.38	410,042.49	844,029.38	32.1235103	-103.3555781	4,911.53	0.00	0.00	0.00
17,200.00	89.50	179.51	12,167.19	-4,902.50	1,195.24	409,942.50	844,030.24	32.1232354	-103.3555783	5,010.90	0.00	0.00	0.00
17,300.00	89.50	179.51	12,168.06	-5,002.50	1,196.10	409,842.50	844,031.10	32.1229606	-103.3555784	5,110.27	0.00	0.00	0.00
17,400.00	89.50	179.51	12,168.94	-5,102.49	1,196.96	409,742.51	844,031.96	32.1226857	-103.3555786	5,209.63	0.00	0.00	0.00
17,500.00	89.50	179.51	12,169.81	-5,202.48	1,197.82	409,642.52	844,032.82	32.1224108	-103.3555787	5,309.00	0.00	0.00	0.00
17,600.00	89.50	179.51	12,170.68	-5,302.47	1,198.69	409,542.53	844,033.69	32.1221360	-103.3555789	5,408.36	0.00	0.00	0.00
17,700.00	89.50	179.51	12,171.55	-5,402.47	1,199.55	409,442.53	844,034.55	32.1218611	-103.3555790	5,507.73	0.00	0.00	0.00
17,800.00	89.50	179.51	12,172.42	-5,502.46	1,200.41	409,342.54	844,035.41	32.1215863	-103.3555792	5,607.10	0.00	0.00	0.00
17,900.00	89.50	179.51	12,173.29	-5,602.45	1,201.27	409,242.55	844,036.27	32.1213114	-103.3555793	5,706.46	0.00	0.00	0.00
18,000.00	89.50	179.51	12,174.17	-5,702.44	1,202.13	409,142.56	844,037.13	32.1210366	-103.3555795	5,805.83	0.00	0.00	0.00
18,100.00	89.50	179.51	12,175.04	-5,802.44	1,202.99	409,042.56	844,037.99	32.1207617	-103.3555796	5,905.19	0.00	0.00	0.00
18,200.00	89.50	179.51	12,175.91	-5,902.43	1,203.85	408,942.57	844,038.85	32.1204869	-103.3555797	6,004.56	0.00	0.00	0.00
18,300.00	89.50	179.51	12,176.78	-6,002.42	1,204.71	408,842.58	844,039.71	32.1202120	-103.3555799	6,103.93	0.00	0.00	0.00
18,400.00	89.50	179.51	12,177.65	-6,102.41	1,205.58	408,742.59	844,040.58	32.1199371	-103.3555800	6,203.29	0.00	0.00	0.00
18,500.00	89.50	179.51	12,178.52	-6,202.41	1,206.44	408,642.59	844,041.44	32.1196623	-103.3555802	6,302.66	0.00	0.00	0.00
18,600.00	89.50	179.51	12,179.39	-6,302.40	1,207.30	408,542.60	844,042.30	32.1193874	-103.3555803	6,402.02	0.00	0.00	0.00
18,700.00	89.50	179.51	12,180.27	-6,402.39	1,208.16	408,442.61	844,043.16	32.1191126	-103.3555805	6,501.39	0.00	0.00	0.00
18,800.00	89.50	179.51	12,181.14	-6,502.38	1,209.02	408,342.62	844,044.02	32.1188377	-103.3555806	6,600.75	0.00	0.00	0.00
18,900.00	89.50	179.51	12,182.01	-6,602.38	1,209.88	408,242.62	844,044.88	32.1185629	-103.3555808	6,700.12	0.00	0.00	0.00
19,000.00	89.50	179.51	12,182.88	-6,702.37	1,210.74	408,142.63	844,045.74	32.1182880	-103.3555809	6,799.49	0.00	0.00	0.00
19,100.00	89.50	179.51	12,183.75	-6,802.36	1,211.61	408,042.64	844,046.61	32.1180132	-103.3555811	6,898.85	0.00	0.00	0.00
19,200.00	89.50	179.51	12,184.62	-6,902.35	1,212.47	407,942.65	844,047.47	32.1177383	-103.3555812	6,998.22	0.00	0.00	0.00
19,300.00	89.50	179.51	12,185.50	-7,002.35	1,213.33	407,842.65	844,048.33	32.1174634	-103.3555814	7,097.58	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.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)
19,400.00	89.50	179.51	12,186.37	-7,102.34	1,214.19	407,742.66	844,049.19	32.1171886	-103.3555815	7,196.95	0.00	0.00	0.00
19,500.00	89.50	179.51	12,187.24	-7,202.33	1,215.05	407,642.67	844,050.05	32.1169137	-103.3555817	7,296.32	0.00	0.00	0.00
19,600.00	89.50	179.51	12,188.11	-7,302.32	1,215.91	407,542.68	844,050.91	32.1166389	-103.3555818	7,395.68	0.00	0.00	0.00
19,700.00	89.50	179.51	12,188.98	-7,402.32	1,216.77	407,442.68	844,051.77	32.1163640	-103.3555820	7,495.05	0.00	0.00	0.00
19,800.00	89.50	179.51	12,189.85	-7,502.31	1,217.63	407,342.69	844,052.63	32.1160892	-103.3555821	7,594.41	0.00	0.00	0.00
19,900.00	89.50	179.51	12,190.73	-7,602.30	1,218.50	407,242.70	844,053.50	32.1158143	-103.3555823	7,693.78	0.00	0.00	0.00
20,000.00	89.50	179.51	12,191.60	-7,702.29	1,219.36	407,142.71	844,054.36	32.1155394	-103.3555824	7,793.15	0.00	0.00	0.00
20,100.00	89.50	179.51	12,192.47	-7,802.29	1,220.22	407,042.72	844,055.22	32.1152646	-103.3555826	7,892.51	0.00	0.00	0.00
20,200.00	89.50	179.51	12,193.34	-7,902.28	1,221.08	406,942.72	844,056.08	32.1149897	-103.3555827	7,991.88	0.00	0.00	0.00
20,300.00	89.50	179.51	12,194.21	-8,002.27	1,221.94	406,842.73	844,056.94	32.1147149	-103.3555829	8,091.24	0.00	0.00	0.00
20,400.00	89.50	179.51	12,195.08	-8,102.26	1,222.80	406,742.74	844,057.80	32.1144400	-103.3555830	8,190.61	0.00	0.00	0.00
20,500.00	89.50	179.51	12,195.96	-8,202.26	1,223.66	406,642.75	844,058.66	32.1141652	-103.3555832	8,289.98	0.00	0.00	0.00
20,600.00	89.50	179.51	12,196.83	-8,302.25	1,224.52	406,542.75	844,059.52	32.1138903	-103.3555833	8,389.34	0.00	0.00	0.00
20,700.00	89.50	179.51	12,197.70	-8,402.24	1,225.39	406,442.76	844,060.39	32.1136155	-103.3555835	8,488.71	0.00	0.00	0.00
20,800.00	89.50	179.51	12,198.57	-8,502.23	1,226.25	406,342.77	844,061.25	32.1133406	-103.3555836	8,588.07	0.00	0.00	0.00
20,900.00	89.50	179.51	12,199.44	-8,602.23	1,227.11	406,242.78	844,062.11	32.1130657	-103.3555838	8,687.44	0.00	0.00	0.00
21,000.00	89.50	179.51	12,200.31	-8,702.22	1,227.97	406,142.78	844,062.97	32.1127909	-103.3555839	8,786.80	0.00	0.00	0.00
21,100.00	89.50	179.51	12,201.19	-8,802.21	1,228.83	406,042.79	844,063.83	32.1125160	-103.3555841	8,886.17	0.00	0.00	0.00
21,200.00	89.50	179.51	12,202.06	-8,902.20	1,229.69	405,942.80	844,064.69	32.1122412	-103.3555842	8,985.54	0.00	0.00	0.00
21,300.00	89.50	179.51	12,202.93	-9,002.20	1,230.55	405,842.81	844,065.55	32.1119663	-103.3555844	9,084.90	0.00	0.00	0.00
21,400.00	89.50	179.51	12,203.80	-9,102.19	1,231.41	405,742.81	844,066.41	32.1116915	-103.3555845	9,184.27	0.00	0.00	0.00
21,500.00	89.50	179.51	12,204.67	-9,202.18	1,232.28	405,642.82	844,067.28	32.1114166	-103.3555846	9,283.63	0.00	0.00	0.00
21,600.00	89.50	179.51	12,205.54	-9,302.17	1,233.14	405,542.83	844,068.14	32.1111418	-103.3555848	9,383.00	0.00	0.00	0.00
21,700.00	89.50	179.51	12,206.41	-9,402.17	1,234.00	405,442.84	844,069.00	32.1108669	-103.3555849	9,482.37	0.00	0.00	0.00
21,800.00	89.50	179.51	12,207.29	-9,502.16	1,234.86	405,342.84	844,069.86	32.1105920	-103.3555851	9,581.73	0.00	0.00	0.00
21,900.00	89.50	179.51	12,208.16	-9,602.15	1,235.72	405,242.85	844,070.72	32.1103172	-103.3555852	9,681.10	0.00	0.00	0.00
22,000.00	89.50	179.51	12,209.03	-9,702.14	1,236.58	405,142.86	844,071.58	32.1100423	-103.3555854	9,780.46	0.00	0.00	0.00
22,100.00	89.50	179.51	12,209.90	-9,802.14	1,237.44	405,042.87	844,072.44	32.1097675	-103.3555855	9,879.83	0.00	0.00	0.00
22,200.00	89.50	179.51	12,210.77	-9,902.13	1,238.31	404,942.87	844,073.31	32.1094926	-103.3555857	9,979.20	0.00	0.00	0.00
22,300.00	89.50	179.51	12,211.64	-10,002.12	1,239.17	404,842.88	844,074.17	32.1092178	-103.3555858	10,078.56	0.00	0.00	0.00
22,400.00	89.50	179.51	12,212.52	-10,102.11	1,240.03	404,742.89	844,075.03	32.1089429	-103.3555860	10,177.93	0.00	0.00	0.00
22,417.89	89.50	179.51	12,212.67	-10,120.00	1,240.18	404,725.00	844,075.18	32.1088937	-103.3555860	10,195.70	0.00	0.00	0.00
Junior Mint Fed 137H LTP													
22,500.00	89.50	179.51	12,213.39	-10,202.11	1,240.89	404,642.90	844,075.89	32.1086680	-103.3555861	10,277.29	0.00	0.00	0.00
22,512.90	89.50	179.51	12,213.50	-10,215.00	1,241.00	404,630.00	844,076.00	32.1086326	-103.3555861	10,290.11	0.00	0.00	0.00
Junior Mint Fed 137H BHL													

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 137H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Junior Mint Fed 137H - plan misses target center by 49.62usft at 11686.49usft MD (11554.03 TVD, 283.62 N, 1150.57 E) - Point	0.00	0.00	11,554.00	234.00	1,151.00	415,079.00	843,986.00	32.1373544	-103.3555706
Junior Mint Fed 137H - plan misses target center by 0.38usft at 22417.89usft MD (12212.67 TVD, -10120.00 N, 1240.18 E) - Point	0.00	0.00	12,213.00	-10,120.00	1,240.00	404,725.00	844,075.00	32.1088937	-103.3555866
Junior Mint Fed 137H - plan hits target center - Point	0.00	0.00	12,213.50	-10,215.00	1,241.00	404,630.00	844,076.00	32.1086326	-103.3555861

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 137H

OH
Plan 1

Total Directional
"Driven by TOTAL performance"
total

Anticollision Report

Minimum Magnetic Interference Warning level is 50' center to center

25 March, 2025

Total Report Version 1.60

COMPASS 5000.16 Build 97

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference	Plan 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,431.00usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Well	Junior Mint Fed 137H					
Well Position	**+N/-S**	0.00 usft	**Northing:**	414,845.00 usft	**Latitude:**	32.1367399
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3592955
Position Uncertainty		0.50 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,220.00 usft
Grid Convergence:		0.52 °				

Survey Tool Program **Date** 3/25/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,512.90	Plan 1 (OH)	MWD+HRGM+SAG+FDIF	OWSG MWD + HRGM + SAG + FDIR Correction

Offset Listing

Site Name / Offset Well	Ground Level	KB Height	Map Coordinates Northing	Map Coordinates Easting	Geographical Coordinates Latitude	Geographical Coordinates Longitude	Surface Uncertainty Site	Surface Uncertainty Well
Civitas Resources - Junior Mint Fed Pad								
(O) Montera Federal 023H -	3,221.00	3,250.00	415,363.56	843,044.05	32.1381600	-103.3586050	0.00	0.00
Junior Mint Fed 131H -	3,221.00	3,247.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.50
Junior Mint Fed 132H -	3,220.00	3,246.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.50
Junior Mint Fed 133H -	3,223.00	3,249.00	415,726.00	845,129.00	32.1391042	-103.3518593	0.00	0.50
Junior Mint Fed 134H -	3,221.00	3,247.00	415,566.00	845,129.00	32.1386644	-103.3518640	0.00	0.50
Junior Mint Fed 135H -	3,220.00	3,246.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.50
Junior Mint Fed 138H -	3,220.00	3,246.00	415,541.00	845,129.00	32.1385957	-103.3518648	0.00	0.50
Junior Mint Fed 151H -	3,221.00	3,247.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.50
Junior Mint Fed 152H -	3,220.00	3,246.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.50
Junior Mint Fed 156H -	3,223.00	3,249.00	415,701.00	845,129.00	32.1390354	-103.3518600	0.00	0.50
Junior Mint Fed 158H -	3,220.00	3,246.00	415,516.00	845,129.00	32.1385270	-103.3518655	0.00	0.50
Junior Mint Fed 211H -	3,221.00	3,247.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.50
Junior Mint Fed 212H -	3,220.00	3,246.00	414,845.00	842,810.00	32.1367406	-103.3593762	0.00	0.50
Junior Mint Fed 213H -	3,222.00	3,248.00	415,701.00	845,154.00	32.1390348	-103.3517793	0.00	0.50
Junior Mint Fed 214H -	3,220.00	3,246.00	415,541.00	845,154.00	32.1385951	-103.3517840	0.00	0.50
Junior Mint Fed 215H -	3,220.00	3,246.00	414,685.00	842,810.00	32.1363008	-103.3593809	0.00	0.50
Junior Mint Fed 216H -	3,223.00	3,249.00	415,751.00	845,129.00	32.1391729	-103.3518586	0.00	0.50
Junior Mint Fed 217H -	3,221.00	3,247.00	414,870.00	842,810.00	32.1368093	-103.3593755	0.00	0.50
Junior Mint Fed 218H -	3,220.00	3,246.00	415,516.00	845,154.00	32.1385263	-103.3517847	0.00	0.50
Junior Mint Fed 221H -	3,221.00	3,247.00	414,635.00	842,810.00	32.1361634	-103.3593824	0.00	0.50
Junior Mint Fed 222H -	3,220.00	3,246.00	414,820.00	842,810.00	32.1366718	-103.3593769	0.00	0.50
Junior Mint Fed 223H -	3,223.00	3,249.00	415,751.00	845,154.00	32.1391723	-103.3517778	0.00	0.50
Junior Mint Fed 224H -	3,220.00	3,246.00	415,566.00	845,154.00	32.1386638	-103.3517833	0.00	0.50

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Junior Mint Fed Pad						
(O) Montera Federal 023H - OH - OH	3,178.56	3,155.67	469.81	450.60	24.46	CC
(O) Montera Federal 023H - OH - OH	3,200.00	3,175.84	469.85	450.51	24.29	ES
(O) Montera Federal 023H - OH - OH	11,300.00	11,125.00	927.69	869.67	15.99	SF
Junior Mint Fed 131H - OH - Plan 1	300.00	301.00	210.00	206.03	52.95	CC
Junior Mint Fed 131H - OH - Plan 1	400.00	400.99	210.32	205.65	45.10	ES
Junior Mint Fed 131H - OH - Plan 1	22,512.90	22,483.48	1,980.09	1,699.62	7.06	SF
Junior Mint Fed 132H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC
Junior Mint Fed 132H - OH - Plan 1	400.00	399.99	25.35	20.68	5.44	ES
Junior Mint Fed 132H - OH - Plan 1	22,512.90	22,427.29	660.04	377.59	2.34	SF
Junior Mint Fed 133H - OH - Plan 1	12,696.04	12,561.66	718.89	676.69	17.03	CC
Junior Mint Fed 133H - OH - Plan 1	22,512.90	22,378.07	724.91	432.12	2.48	ES, SF
Junior Mint Fed 134H - OH - Plan 1	11,601.33	11,504.05	1,427.02	1,392.79	41.69	CC
Junior Mint Fed 134H - OH - Plan 1	22,512.90	22,332.45	1,435.35	1,143.98	4.93	ES, SF
Junior Mint Fed 135H - OH - Plan 1	300.00	300.00	185.00	181.04	46.69	CC
Junior Mint Fed 135H - OH - Plan 1	400.00	399.99	185.32	180.66	39.76	ES
Junior Mint Fed 135H - OH - Plan 1	22,512.90	22,410.00	1,320.07	1,039.59	4.71	SF
Junior Mint Fed 138H - OH - Plan 1	6,292.27	5,913.82	1,996.58	1,966.32	65.97	CC
Junior Mint Fed 138H - OH - Plan 1	22,512.90	22,360.70	2,095.22	1,803.49	7.18	ES, SF
Junior Mint Fed 151H - OH - Plan 1	300.00	301.00	160.00	156.03	40.35	CC
Junior Mint Fed 151H - OH - Plan 1	400.00	400.99	160.32	155.65	34.37	ES
Junior Mint Fed 151H - OH - Plan 1	22,512.90	22,008.51	2,147.86	1,872.85	7.81	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC
Junior Mint Fed 152H - OH - Plan 1	400.00	399.63	25.42	20.73	5.43	ES
Junior Mint Fed 152H - OH - Plan 1	22,510.07	21,935.47	909.47	664.19	3.71	SF
Junior Mint Fed 156H - OH - Plan 1	11,101.86	11,028.77	881.00	846.88	25.82	CC
Junior Mint Fed 156H - OH - Plan 1	22,512.90	21,914.82	1,048.36	791.92	4.09	ES, SF
Junior Mint Fed 158H - OH - Plan 1	11,108.50	11,091.44	2,201.04	2,163.81	59.12	CC
Junior Mint Fed 158H - OH - Plan 1	22,512.90	21,936.51	2,284.16	1,999.67	8.03	ES, SF
Junior Mint Fed 211H - OH - Plan 1	302.54	303.58	186.68	182.70	46.86	CC
Junior Mint Fed 211H - OH - Plan 1	400.00	402.24	186.83	182.15	39.94	ES
Junior Mint Fed 211H - OH - Plan 1	22,512.90	22,891.34	2,287.43	2,009.77	8.24	SF
Junior Mint Fed 212H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC, ES
Junior Mint Fed 212H - OH - Plan 1	22,512.90	22,791.47	1,016.49	750.35	3.82	SF
Junior Mint Fed 213H - OH - Plan 1	11,712.33	11,695.33	387.00	350.41	10.58	CC
Junior Mint Fed 213H - OH - Plan 1	22,512.90	22,820.40	488.41	244.82	2.00	ES, SF
Junior Mint Fed 214H - OH - Plan 1	11,739.42	11,652.25	1,706.02	1,670.01	47.38	CC
Junior Mint Fed 214H - OH - Plan 1	22,512.90	22,701.02	1,728.52	1,440.32	6.00	ES, SF
Junior Mint Fed 215H - OH - Plan 1	631.99	639.31	159.85	153.85	26.68	CC
Junior Mint Fed 215H - OH - Plan 1	633.33	640.65	159.85	153.85	26.66	ES
Junior Mint Fed 215H - OH - Plan 1	22,512.90	22,801.74	1,594.79	1,320.38	5.81	SF
Junior Mint Fed 216H - OH - Plan 1	11,729.02	11,630.60	1,097.01	1,062.33	31.64	CC
Junior Mint Fed 216H - OH - Plan 1	22,512.90	22,711.77	1,133.78	847.14	3.96	ES, SF
Junior Mint Fed 217H - OH - Plan 1	300.00	301.00	35.36	31.39	8.92	CC
Junior Mint Fed 217H - OH - Plan 1	400.00	400.99	36.05	31.37	7.70	ES
Junior Mint Fed 217H - OH - Plan 1	22,512.90	22,871.93	445.03	266.11	2.49	SF
Junior Mint Fed 218H - OH - Plan 1	5,957.31	5,382.37	2,333.43	2,304.13	79.64	CC
Junior Mint Fed 218H - OH - Plan 1	22,512.90	22,771.03	2,380.24	2,090.60	8.22	ES, SF
Junior Mint Fed 221H - OH - Plan 1	300.00	301.00	211.48	207.52	53.33	CC
Junior Mint Fed 221H - OH - Plan 1	400.00	400.99	211.95	207.28	45.39	ES
Junior Mint Fed 221H - OH - Plan 1	22,512.90	23,184.69	2,061.76	1,796.11	7.76	SF
Junior Mint Fed 222H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC, ES
Junior Mint Fed 222H - OH - Plan 1	22,512.90	23,176.68	951.20	746.90	4.66	SF
Junior Mint Fed 223H - OH - Plan 1	11,718.49	11,662.77	616.00	579.72	16.98	CC, ES

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Junior Mint Fed Pad						
Junior Mint Fed 223H - OH - Plan 1	22,512.90	23,126.53	959.88	727.81	4.14	SF
Junior Mint Fed 224H - OH - Plan 1	6,403.92	6,080.12	1,906.36	1,875.73	62.25	CC
Junior Mint Fed 224H - OH - Plan 1	22,512.90	23,058.43	2,122.25	1,841.44	7.56	ES, SF

Offset Design: Junior Mint Fed Pad - (O) Montera Federal 023H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD **Rule Assigned:** **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	4.10	4.10	0.50	0.01	21.96	518.56	209.06	559.11				
100.00	100.00	106.49	106.49	0.98	0.15	21.96	518.33	208.96	558.87	557.74	1.13	495.290	
200.00	200.00	206.31	206.31	1.56	0.50	21.96	517.98	208.86	558.51	556.45	2.06	271.345	
300.00	300.00	307.42	307.42	1.98	0.85	21.96	517.51	208.65	558.00	555.17	2.83	196.976	
400.00	399.99	407.82	407.81	2.41	1.20	-54.33	516.91	208.32	556.55	552.99	3.56	156.363	
500.00	499.91	508.25	508.24	2.78	1.56	-54.75	516.46	207.54	553.58	549.34	4.23	130.720	
600.00	599.69	608.42	608.41	3.12	1.91	-55.47	516.04	206.29	548.99	544.11	4.88	112.531	
633.33	632.91	641.59	641.57	3.15	2.02	-55.77	515.91	205.86	547.15	542.12	5.02	108.946	
700.00	699.32	707.25	707.23	3.25	2.25	-56.34	515.63	205.08	543.35	538.00	5.36	101.446	
800.00	798.94	802.96	802.92	3.50	2.59	-57.18	515.64	204.08	538.23	532.29	5.94	90.632	
900.00	898.56	899.50	899.46	3.74	2.92	-58.05	516.35	203.20	533.95	527.44	6.51	81.997	
1,000.00	998.18	998.86	998.82	3.97	3.27	-58.94	517.17	202.52	529.96	522.87	7.09	74.792	
1,100.00	1,097.80	1,099.69	1,099.64	4.20	3.62	-59.87	517.93	201.77	526.01	518.35	7.66	68.692	
1,200.00	1,197.42	1,199.39	1,199.34	4.42	3.97	-60.81	518.62	200.89	522.12	513.90	8.22	63.522	
1,300.00	1,297.04	1,299.74	1,299.67	4.64	4.32	-61.77	519.19	199.91	518.22	509.44	8.78	59.036	
1,400.00	1,396.66	1,398.45	1,398.38	4.86	4.67	-62.72	519.83	199.14	514.58	505.26	9.33	55.178	
1,500.00	1,496.28	1,497.97	1,497.90	5.07	5.02	-63.67	520.42	198.48	511.07	501.20	9.87	51.771	
1,600.00	1,595.90	1,597.24	1,597.17	5.28	5.36	-64.62	521.02	197.97	507.75	497.33	10.41	48.762	
1,700.00	1,695.52	1,696.02	1,695.94	5.48	5.71	-65.55	521.78	197.68	504.75	493.81	10.95	46.104	
1,800.00	1,795.14	1,795.37	1,795.29	5.69	6.06	-66.46	522.57	197.68	501.99	490.50	11.48	43.718	
1,900.00	1,894.76	1,894.78	1,894.70	5.89	6.40	-67.38	523.33	197.82	499.34	487.32	12.01	41.563	
2,000.00	1,994.38	1,994.65	1,994.56	6.09	6.75	-68.27	524.08	198.20	496.83	484.29	12.54	39.606	
2,100.00	2,094.00	2,093.86	2,093.77	6.29	7.10	-69.16	524.77	198.68	494.42	481.35	13.07	37.827	
2,200.00	2,193.62	2,194.32	2,194.22	6.50	7.45	-70.06	525.46	199.19	492.12	478.51	13.61	36.159	
2,206.41	2,200.00	2,200.73	2,200.64	6.52	7.47	-70.12	525.50	199.23	491.97	478.33	13.64	36.057	
2,300.00	2,293.13	2,293.16	2,293.06	6.72	7.79	-71.07	526.08	200.12	489.55	475.42	14.13	34.651	
2,400.00	2,392.34	2,391.80	2,391.69	6.95	8.14	-72.34	526.82	201.39	486.46	471.80	14.66	33.178	
2,500.00	2,491.20	2,490.04	2,489.91	7.18	8.48	-73.88	527.72	202.99	483.05	467.85	15.20	31.771	
2,600.00	2,589.63	2,586.58	2,586.42	7.41	8.82	-75.65	528.95	205.07	479.70	463.95	15.75	30.454	
2,700.00	2,687.57	2,683.04	2,682.84	7.65	9.16	-77.68	530.59	207.46	476.67	460.35	16.31	29.221	
2,800.00	2,784.94	2,800.00	2,799.74	7.88	9.57	-80.55	532.21	210.42	473.76	456.81	16.95	27.942	
2,873.30	2,855.92	2,849.20	2,848.91	8.02	9.74	-81.90	532.74	211.76	471.31	454.02	17.30	27.249	
2,900.00	2,881.71	2,875.00	2,874.69	8.06	9.83	-82.60	533.44	212.58	471.00	453.56	17.44	27.008	
2,988.61	2,967.31	2,960.92	2,960.52	8.25	10.14	-84.92	535.90	215.41	470.61	452.63	17.98	26.170	
3,000.00	2,978.30	2,972.11	2,971.70	8.28	10.18	-85.22	536.22	215.79	470.62	452.56	18.05	26.068	
3,100.00	3,074.89	3,079.62	3,079.12	8.49	10.56	-88.11	538.10	219.76	470.13	451.42	18.72	25.120	
3,178.56	3,150.77	3,155.67	3,155.11	8.66	10.83	-90.16	538.75	222.58	469.81	450.60	19.21	24.458	CC
3,200.00	3,171.49	3,175.84	3,175.27	8.71	10.90	-90.71	538.94	223.33	469.85	450.51	19.34	24.292	ES
3,300.00	3,268.08	3,272.82	3,272.18	8.93	11.25	-93.32	540.00	226.94	470.83	450.85	19.98	23.570	
3,400.00	3,364.67	3,372.92	3,372.24	9.16	11.60	-96.12	540.59	229.73	472.69	452.07	20.62	22.922	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal 023H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,500.00	3,461.26	3,468.10	3,467.40	9.42	11.93	-98.90	540.65	231.29	475.62	454.37	21.25	22.385	
3,600.00	3,557.85	3,563.92	3,563.22	9.70	12.27	-101.74	540.65	232.20	480.02	458.14	21.87	21.945	
3,700.00	3,654.44	3,659.52	3,658.81	10.00	12.60	-104.54	540.78	232.74	485.95	463.46	22.50	21.601	
3,800.00	3,751.03	3,757.27	3,756.56	10.30	12.94	-107.36	540.84	233.09	493.16	470.04	23.12	21.326	
3,900.00	3,847.62	3,854.24	3,853.53	10.61	13.28	-110.04	540.93	233.77	501.41	477.66	23.75	21.116	
4,000.00	3,944.21	3,964.28	3,963.52	10.93	13.67	-112.74	541.07	237.16	509.40	484.99	24.41	20.864	
4,100.00	4,040.80	4,069.96	4,068.99	11.25	14.05	-115.01	540.69	243.59	516.05	490.98	25.06	20.589	
4,200.00	4,137.40	4,181.57	4,180.29	11.57	14.45	-117.31	539.27	251.70	522.04	496.32	25.72	20.299	
4,300.00	4,233.99	4,280.04	4,278.42	11.89	14.81	-119.50	535.20	258.78	526.62	500.29	26.33	20.001	
4,400.00	4,330.58	4,361.78	4,359.96	12.21	15.09	-121.64	530.29	261.56	533.41	506.52	26.89	19.837	
4,500.00	4,427.17	4,433.44	4,431.50	12.54	15.34	-123.69	526.36	260.35	545.23	517.85	27.38	19.914	
4,600.00	4,523.76	4,505.71	4,503.66	12.87	15.60	-125.65	524.89	256.93	562.57	534.75	27.82	20.224	
4,700.00	4,620.35	4,593.18	4,590.99	13.20	15.91	-127.57	527.26	252.89	583.66	555.33	28.33	20.603	
4,800.00	4,716.94	4,756.94	4,754.42	13.53	16.49	-130.03	533.95	257.53	600.43	571.16	29.27	20.515	
4,900.00	4,813.53	4,875.00	4,871.84	13.86	16.94	-131.52	534.76	269.57	609.51	579.59	29.92	20.369	
5,000.00	4,910.12	4,962.42	4,958.96	14.19	17.26	-133.02	531.48	275.91	619.06	588.59	30.48	20.312	
5,100.00	5,006.72	5,041.77	5,038.16	14.53	17.54	-134.50	528.03	279.31	631.34	600.36	30.99	20.375	
5,200.00	5,103.31	5,125.00	5,121.31	14.86	17.83	-136.07	524.63	280.82	646.49	615.00	31.49	20.532	
5,300.00	5,199.90	5,207.83	5,204.10	15.20	18.12	-137.60	521.95	280.38	664.60	632.63	31.97	20.787	
5,400.00	5,296.49	5,289.54	5,285.76	15.53	18.40	-139.00	520.56	278.38	685.57	653.13	32.44	21.135	
5,500.00	5,393.08	5,384.70	5,380.88	15.87	18.74	-140.51	519.66	275.66	707.77	674.80	32.98	21.461	
5,600.00	5,489.67	5,480.05	5,476.18	16.21	19.08	-141.92	518.87	272.92	730.50	696.98	33.52	21.792	
5,700.00	5,586.26	5,579.29	5,575.38	16.55	19.43	-143.29	518.10	270.24	753.50	719.42	34.09	22.105	
5,800.00	5,682.85	5,678.87	5,674.94	16.89	19.78	-144.57	517.35	268.09	776.40	741.74	34.66	22.403	
5,900.00	5,779.44	5,776.44	5,772.50	17.23	20.12	-145.74	516.64	266.38	799.27	764.06	35.21	22.699	
5,915.24	5,794.17	5,792.13	5,788.18	17.27	20.18	-145.93	516.52	266.12	802.76	767.47	35.29	22.745	
6,000.00	5,876.27	5,874.66	5,870.70	17.54	20.47	-146.97	515.94	264.81	821.52	785.76	35.76	22.975	
6,100.00	5,973.71	5,972.60	5,968.62	17.85	20.81	-148.04	515.30	263.34	841.83	805.51	36.31	23.183	
6,200.00	6,071.71	6,069.60	6,065.61	18.12	21.15	-148.94	514.81	261.94	860.11	823.25	36.85	23.339	
6,300.00	6,170.19	6,171.20	6,167.20	18.37	21.50	-149.75	513.83	260.69	875.97	838.56	37.41	23.415	
6,400.00	6,269.10	6,271.33	6,267.32	18.59	21.85	-150.42	512.75	259.58	889.56	851.61	37.95	23.439	
6,500.00	6,368.35	6,372.92	6,368.90	18.78	22.21	-150.98	511.64	258.75	900.68	862.19	38.49	23.398	
6,600.00	6,467.89	6,472.72	6,468.69	18.94	22.55	-151.40	510.73	258.00	909.55	870.54	39.01	23.314	
6,700.00	6,567.65	6,571.91	6,567.88	19.07	22.90	-151.71	509.94	257.41	916.04	876.52	39.52	23.179	
6,800.00	6,667.55	6,673.52	6,669.48	19.18	23.25	-151.92	509.20	256.87	920.20	880.17	40.02	22.991	
6,900.00	6,767.53	6,772.34	6,768.30	19.26	23.59	-152.04	508.44	256.33	922.04	881.55	40.49	22.771	
6,915.47	6,783.00	6,788.00	6,783.96	19.26	23.65	-75.90	508.34	256.25	922.12	881.57	40.55	22.739	
7,000.00	6,867.53	6,873.90	6,869.86	19.30	23.95	-75.94	507.77	255.82	922.40	881.51	40.89	22.559	
7,100.00	6,967.53	6,975.79	6,971.74	19.35	24.30	-75.98	507.11	255.54	922.51	881.22	41.30	22.339	
7,131.54	6,999.07	7,007.11	7,003.07	19.36	24.41	-75.99	506.94	255.51	922.50	881.08	41.42	22.272	
7,200.00	7,067.53	7,075.62	7,071.58	19.40	24.65	-76.01	506.60	255.36	922.56	880.87	41.69	22.127	
7,242.86	7,110.40	7,118.46	7,114.41	19.42	24.79	-76.03	506.35	255.32	922.54	880.68	41.86	22.037	
7,300.00	7,167.53	7,176.36	7,172.31	19.45	24.99	-76.06	505.94	255.19	922.57	880.47	42.10	21.916	
7,400.00	7,267.53	7,276.61	7,272.56	19.50	25.34	-76.10	505.27	255.21	922.39	879.90	42.49	21.706	
7,500.00	7,367.53	7,378.70	7,374.64	19.55	25.70	-76.12	504.80	255.28	922.21	879.30	42.90	21.494	
7,600.00	7,467.53	7,479.83	7,475.78	19.60	26.05	-76.14	504.49	255.47	921.96	878.65	43.31	21.288	
7,700.00	7,567.53	7,578.34	7,574.28	19.65	26.39	-76.15	504.30	255.82	921.57	877.87	43.70	21.088	
7,800.00	7,667.53	7,679.32	7,675.27	19.71	26.74	-76.15	504.25	256.03	921.35	877.24	44.11	20.889	
7,900.00	7,767.53	7,778.07	7,774.01	19.76	27.08	-76.13	504.34	256.36	921.06	876.55	44.50	20.697	
8,000.00	7,867.53	7,878.07	7,874.02	19.81	27.43	-76.10	504.80	256.83	920.71	875.80	44.90	20.504	
8,100.00	7,967.53	7,980.03	7,975.97	19.86	27.79	-76.07	505.28	257.23	920.44	875.12	45.32	20.312	
8,200.00	8,067.53	8,080.65	8,076.59	19.92	28.14	-76.01	505.98	257.95	919.92	874.20	45.72	20.119	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal 023H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,300.00	8,167.53	8,181.59	8,177.52	19.97	28.49	-75.96	506.71	258.69	919.38	873.25	46.13	19.929	
8,400.00	8,267.53	8,279.98	8,275.90	20.02	28.83	-75.90	507.49	259.45	918.82	872.30	46.53	19.747	
8,500.00	8,367.53	8,380.95	8,376.87	20.08	29.18	-75.83	508.40	260.29	918.23	871.29	46.94	19.562	
8,600.00	8,467.53	8,482.58	8,478.49	20.13	29.54	-75.76	509.35	261.20	917.59	870.24	47.35	19.378	
8,700.00	8,567.53	8,582.48	8,578.38	20.18	29.89	-75.68	510.40	262.18	916.90	869.14	47.76	19.199	
8,800.00	8,667.53	8,682.25	8,678.14	20.24	30.24	-75.61	511.32	263.19	916.15	867.98	48.16	19.022	
8,900.00	8,767.53	8,782.07	8,777.95	20.29	30.59	-75.55	512.08	264.14	915.42	866.85	48.57	18.848	
9,000.00	8,867.53	8,884.18	8,880.05	20.35	30.94	-75.47	513.02	265.16	914.69	865.70	48.99	18.673	
9,100.00	8,967.53	8,991.94	8,987.80	20.40	31.32	-75.39	513.93	266.77	913.46	864.03	49.43	18.481	
9,200.00	9,067.53	9,103.37	9,099.19	20.45	31.71	-75.34	514.14	269.53	911.12	861.24	49.88	18.267	
9,300.00	9,167.53	9,203.11	9,198.88	20.51	32.07	-75.30	513.92	272.55	908.13	857.85	50.28	18.062	
9,400.00	9,267.53	9,302.49	9,298.22	20.56	32.42	-75.28	513.60	275.48	905.20	854.52	50.68	17.860	
9,500.00	9,367.53	9,402.34	9,398.02	20.62	32.77	-75.26	513.02	278.40	902.23	851.14	51.09	17.661	
9,600.00	9,467.53	9,496.87	9,492.52	20.68	33.10	-75.30	511.83	280.65	899.60	848.14	51.47	17.479	
9,700.00	9,567.53	9,577.67	9,573.29	20.73	33.38	-75.39	510.26	281.41	898.22	846.44	51.79	17.344	
9,709.59	9,577.13	9,585.50	9,581.13	20.74	33.41	-75.40	510.08	281.37	898.22	846.40	51.82	17.334	
9,800.00	9,667.53	9,670.46	9,666.06	20.79	33.71	-75.52	508.31	280.56	898.58	846.42	52.16	17.228	
9,900.00	9,767.53	9,770.15	9,765.73	20.84	34.06	-75.66	506.30	279.37	899.23	846.67	52.56	17.109	
10,000.00	9,867.53	9,867.81	9,863.36	20.90	34.40	-75.81	504.25	278.04	900.03	847.07	52.95	16.997	
10,100.00	9,967.53	9,966.60	9,962.10	20.95	34.75	-75.98	501.82	276.45	900.99	847.65	53.35	16.889	
10,200.00	10,067.53	10,063.62	10,059.07	21.01	35.09	-76.16	499.40	274.72	902.13	848.39	53.74	16.787	
10,300.00	10,167.53	10,155.96	10,151.38	21.07	35.41	-76.30	497.60	272.52	903.97	849.86	54.11	16.707	
10,400.00	10,267.53	10,253.40	10,248.77	21.12	35.76	-76.40	496.65	269.92	906.34	851.84	54.50	16.631	
10,500.00	10,367.53	10,356.49	10,351.82	21.18	36.12	-76.48	495.95	267.30	908.65	853.73	54.92	16.546	
10,600.00	10,467.53	10,460.58	10,455.89	21.24	36.49	-76.55	495.45	265.06	910.62	855.28	55.34	16.455	
10,700.00	10,567.53	10,563.24	10,558.54	21.30	36.85	-76.56	495.54	263.49	912.13	856.38	55.76	16.359	
10,800.00	10,667.53	10,660.60	10,655.89	21.35	37.19	-76.55	496.12	262.08	913.68	857.53	56.15	16.271	
10,900.00	10,767.53	10,756.17	10,751.44	21.41	37.52	-76.56	496.33	260.15	915.70	859.16	56.54	16.195	
11,000.00	10,867.53	10,856.37	10,851.61	21.47	37.88	-76.59	496.46	258.01	917.80	860.86	56.95	16.117	
11,100.00	10,967.53	10,953.69	10,948.91	21.53	38.22	-76.62	496.55	255.75	920.08	862.74	57.34	16.045	
11,200.00	11,067.53	11,042.96	11,038.14	21.58	38.53	-76.64	496.79	253.17	922.98	865.28	57.70	15.996	
11,300.00	11,167.53	11,125.00	11,120.08	21.64	38.83	-76.63	497.86	249.42	927.69	869.67	58.02	15.988	SF
11,400.00	11,267.53	11,205.68	11,200.55	21.70	39.11	-76.51	501.00	244.55	934.44	876.10	58.34	16.017	
11,500.00	11,367.53	11,312.82	11,307.30	21.76	39.49	-76.25	506.98	237.61	942.08	883.28	58.79	16.023	
11,600.00	11,467.53	11,419.85	11,414.04	21.82	39.87	-76.00	512.65	232.19	948.25	889.01	59.25	16.005	
11,686.47	11,554.00	11,507.93	11,501.89	21.86	40.18	-75.79	517.30	227.93	953.42	893.81	59.61	15.994	
11,700.00	11,567.53	11,521.08	11,515.01	21.86	40.23	104.66	517.99	227.31	954.26	894.60	59.66	15.995	
11,750.00	11,617.40	11,575.92	11,569.73	21.90	40.42	104.65	520.78	224.81	957.96	898.10	59.86	16.002	
11,800.00	11,666.79	11,631.20	11,624.90	21.93	40.53	104.80	523.15	222.53	962.50	902.53	59.97	16.050	
11,850.00	11,715.32	11,688.67	11,682.31	21.95	40.54	105.16	525.30	220.56	967.89	907.91	59.98	16.137	
11,900.00	11,762.62	11,745.05	11,738.63	21.97	40.55	105.68	527.31	219.18	974.17	914.20	59.97	16.245	
11,950.00	11,808.34	11,797.42	11,790.95	21.99	40.55	106.25	529.20	218.34	981.61	921.66	59.95	16.374	
12,000.00	11,852.12	11,842.48	11,835.92	22.01	40.55	106.75	532.05	218.40	990.44	930.52	59.92	16.530	
12,050.00	11,893.63	11,866.00	11,859.34	22.03	40.55	106.50	534.19	218.56	1,001.50	941.63	59.87	16.729	
12,100.00	11,932.55	11,898.00	11,891.09	22.05	40.56	106.44	538.20	218.76	1,015.18	955.36	59.82	16.970	
12,150.00	11,968.60	11,907.80	11,900.75	22.09	40.56	105.22	539.81	218.83	1,031.62	971.87	59.74	17.267	
12,200.00	12,001.49	11,919.01	11,911.76	22.13	40.56	103.75	541.92	218.88	1,050.91	991.25	59.67	17.613	
12,250.00	12,030.97	11,929.00	11,921.52	22.19	40.56	101.90	544.06	218.91	1,072.91	1,013.32	59.59	18.005	
12,300.00	12,056.82	11,929.00	11,921.52	22.26	40.56	99.13	544.06	218.91	1,097.42	1,037.92	59.50	18.445	
12,350.00	12,078.85	11,938.68	11,930.93	22.35	40.56	96.57	546.33	218.93	1,124.10	1,064.67	59.43	18.916	
12,400.00	12,096.88	11,941.04	11,933.22	22.47	40.57	93.23	546.92	218.94	1,152.73	1,093.38	59.35	19.423	
12,450.00	12,110.78	11,941.58	11,933.73	22.60	40.57	89.47	547.05	218.94	1,182.98	1,123.70	59.27	19.958	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal 023H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,500.00	12,120.45	11,940.50	11,932.69	22.75	40.57	85.35	546.78	218.94	1,214.49	1,155.29	59.20	20.515	
12,550.00	12,125.80	11,929.00	11,921.52	22.93	40.56	80.43	544.06	218.91	1,247.03	1,187.91	59.12	21.093	
12,581.47	12,126.94	11,929.00	11,921.52	23.05	40.56	77.73	544.06	218.91	1,267.75	1,208.67	59.08	21.458	
12,600.00	12,127.10	11,929.00	11,921.52	23.12	40.56	77.73	544.06	218.91	1,280.07	1,221.01	59.06	21.674	
12,700.00	12,127.97	11,929.00	11,921.52	23.56	40.56	77.73	544.06	218.91	1,349.05	1,290.09	58.96	22.880	
12,800.00	12,128.84	11,929.00	11,921.52	24.06	40.56	77.73	544.06	218.91	1,421.72	1,362.83	58.88	24.144	
12,900.00	12,129.71	11,916.49	11,909.29	24.61	40.56	77.01	541.42	218.87	1,497.34	1,438.52	58.82	25.457	
13,000.00	12,130.58	11,911.98	11,904.86	25.21	40.56	76.75	540.56	218.85	1,575.68	1,516.91	58.78	26.808	
13,100.00	12,131.46	11,898.00	11,891.09	25.87	40.56	75.95	538.20	218.76	1,656.45	1,597.70	58.75	28.194	
13,200.00	12,132.33	11,898.00	11,891.09	26.56	40.56	75.95	538.20	218.76	1,738.98	1,680.24	58.74	29.605	
13,300.00	12,133.20	11,898.00	11,891.09	27.30	40.56	75.95	538.20	218.76	1,823.26	1,764.52	58.74	31.042	
13,400.00	12,134.07	11,898.00	11,891.09	28.08	40.56	75.95	538.20	218.76	1,909.06	1,850.32	58.74	32.499	
13,500.00	12,134.94	11,898.00	11,891.09	28.90	40.56	75.95	538.20	218.76	1,996.18	1,937.42	58.76	33.974	
13,600.00	12,135.81	11,898.00	11,891.09	29.75	40.56	75.95	538.20	218.76	2,084.46	2,025.68	58.78	35.463	
13,700.00	12,136.69	11,898.00	11,891.09	30.63	40.56	75.95	538.20	218.76	2,173.75	2,114.94	58.81	36.965	
13,800.00	12,137.56	11,885.30	11,878.52	31.55	40.56	75.23	536.40	218.67	2,263.78	2,204.92	58.85	38.464	
13,900.00	12,138.43	11,882.69	11,875.93	32.50	40.56	75.08	536.06	218.66	2,354.69	2,295.79	58.90	39.980	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-210.00	0.00	210.00				
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-210.00	0.00	210.00	208.03	1.97	106.726	
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-210.00	0.00	210.00	206.87	3.13	67.170	
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-210.00	0.00	210.00	206.03	3.97	52.953	CC
400.00	399.99	400.99	400.99	2.41	2.33	104.19	-210.00	0.00	210.32	205.65	4.66	45.096	ES
500.00	499.91	500.91	500.91	2.78	2.64	105.21	-210.00	0.00	211.31	206.04	5.27	40.064	
600.00	599.69	600.69	600.69	3.12	2.91	106.88	-210.00	0.00	213.13	207.29	5.83	36.548	
633.33	632.91	633.91	633.91	3.15	3.00	107.57	-210.00	0.00	213.95	208.00	5.94	35.992	
700.00	699.32	700.32	700.32	3.25	3.16	109.04	-210.00	0.00	215.78	209.55	6.22	34.679	
800.00	798.94	799.94	799.94	3.50	3.40	111.19	-210.00	0.00	218.78	212.07	6.72	32.578	
900.00	898.56	899.56	899.56	3.74	3.62	113.28	-210.00	0.00	222.09	214.91	7.18	30.914	
1,000.00	998.18	999.18	999.18	3.97	3.83	115.30	-210.00	0.00	225.69	218.06	7.63	29.570	
1,100.00	1,097.80	1,098.80	1,098.80	4.20	4.04	117.26	-210.00	0.00	229.56	221.50	8.06	28.468	
1,200.00	1,197.42	1,198.42	1,198.42	4.42	4.23	119.16	-210.00	0.00	233.69	225.21	8.48	27.553	
1,300.00	1,297.04	1,298.04	1,298.04	4.64	4.42	120.99	-210.00	0.00	238.07	229.19	8.89	26.788	
1,400.00	1,396.66	1,397.66	1,397.66	4.86	4.60	122.74	-210.00	0.00	242.69	233.41	9.28	26.144	
1,500.00	1,496.28	1,497.96	1,497.95	5.07	4.77	124.64	-209.58	-0.72	247.39	237.72	9.67	25.591	
1,600.00	1,595.90	1,598.00	1,597.96	5.28	4.93	126.85	-208.29	-2.96	252.13	242.09	10.04	25.109	
1,700.00	1,695.52	1,697.69	1,697.56	5.48	5.10	129.35	-206.13	-6.69	257.09	246.68	10.41	24.693	
1,800.00	1,795.14	1,796.99	1,796.68	5.69	5.26	132.12	-203.11	-11.90	262.47	251.69	10.78	24.350	
1,900.00	1,894.76	1,895.84	1,895.22	5.89	5.42	135.13	-199.26	-18.56	268.47	257.33	11.14	24.090	
2,000.00	1,994.38	1,994.17	1,993.10	6.09	5.58	138.33	-194.58	-26.64	275.32	263.81	11.51	23.922	
2,100.00	2,094.00	2,091.94	2,090.25	6.29	5.75	141.69	-189.09	-36.12	283.24	271.36	11.87	23.855	
2,200.00	2,193.62	2,189.09	2,186.59	6.50	5.91	145.15	-182.82	-46.95	292.43	280.18	12.25	23.874	
2,206.41	2,200.00	2,195.29	2,192.74	6.52	5.92	145.38	-182.39	-47.69	293.07	280.79	12.27	23.880	
2,300.00	2,293.13	2,285.34	2,281.82	6.72	6.08	148.69	-175.80	-59.08	304.07	291.44	12.62	24.086	
2,400.00	2,392.34	2,380.26	2,375.49	6.95	6.24	152.38	-168.09	-72.40	319.70	306.68	13.02	24.553	
2,500.00	2,491.20	2,473.67	2,467.40	7.18	6.40	156.07	-159.75	-86.81	339.64	326.22	13.42	25.309	
2,600.00	2,589.63	2,565.38	2,557.36	7.41	6.57	159.65	-150.83	-102.22	364.07	350.25	13.82	26.351	
2,700.00	2,687.57	2,655.23	2,645.21	7.65	6.74	163.04	-141.39	-118.52	393.07	378.86	14.21	27.667	
2,800.00	2,784.94	2,743.81	2,731.53	7.88	6.89	166.19	-131.42	-135.73	426.58	412.01	14.57	29.286	
2,873.30	2,855.92	2,809.87	2,795.83	8.02	7.00	168.35	-123.83	-148.84	453.64	438.83	14.81	30.627	
2,900.00	2,881.71	2,833.83	2,819.16	8.06	7.06	169.12	-121.08	-153.60	463.88	448.98	14.90	31.137	
3,000.00	2,978.30	2,923.58	2,906.51	8.28	7.25	171.72	-110.77	-171.41	502.82	487.55	15.27	32.928	
3,100.00	3,074.89	3,013.32	2,993.86	8.49	7.46	173.96	-100.46	-189.21	542.55	526.91	15.64	34.679	
3,200.00	3,171.49	3,103.06	3,081.21	8.71	7.67	175.91	-90.16	-207.02	582.92	566.90	16.02	36.385	
3,300.00	3,268.08	3,192.80	3,168.56	8.93	7.88	177.61	-79.85	-224.83	623.79	607.39	16.40	38.039	
3,400.00	3,364.67	3,282.55	3,255.91	9.16	8.10	179.10	-69.54	-242.64	665.08	648.30	16.78	39.637	
3,500.00	3,461.26	3,372.29	3,343.27	9.42	8.33	-179.57	-59.23	-260.44	706.71	689.55	17.16	41.178	
3,600.00	3,557.85	3,462.03	3,430.62	9.70	8.55	-178.39	-48.92	-278.25	748.62	731.07	17.55	42.661	
3,700.00	3,654.44	3,551.77	3,517.97	10.00	8.78	-177.33	-38.61	-296.06	790.78	772.84	17.94	44.088	
3,800.00	3,751.03	3,641.51	3,605.32	10.30	9.02	-176.38	-28.30	-313.86	833.14	814.81	18.33	45.459	
3,900.00	3,847.62	3,731.26	3,692.67	10.61	9.25	-175.52	-18.00	-331.67	875.67	856.95	18.72	46.775	
4,000.00	3,944.21	3,821.00	3,780.02	10.93	9.49	-174.74	-7.69	-349.48	918.35	899.23	19.12	48.039	
4,100.00	4,040.80	3,910.74	3,867.37	11.25	9.73	-174.02	2.62	-367.29	961.16	941.64	19.52	49.252	
4,200.00	4,137.40	4,000.48	3,954.73	11.57	9.97	-173.37	12.93	-385.09	1,004.08	984.17	19.92	50.416	
4,300.00	4,233.99	4,090.22	4,042.08	11.89	10.22	-172.77	23.24	-402.90	1,047.11	1,026.79	20.32	51.534	
4,400.00	4,330.58	4,179.97	4,129.43	12.21	10.46	-172.21	33.55	-420.71	1,090.22	1,069.49	20.72	52.607	
4,500.00	4,427.17	4,269.71	4,216.78	12.54	10.71	-171.70	43.86	-438.52	1,133.41	1,112.28	21.13	53.638	
4,600.00	4,523.76	4,359.45	4,304.13	12.87	10.96	-171.23	54.17	-456.32	1,176.66	1,155.12	21.54	54.628	
4,700.00	4,620.35	4,449.19	4,391.48	13.20	11.21	-170.78	64.47	-474.13	1,219.98	1,198.03	21.95	55.580	
4,800.00	4,716.94	4,538.93	4,478.83	13.53	11.47	-170.37	74.78	-491.94	1,263.36	1,240.99	22.36	56.494	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,628.68	4,566.19	13.86	11.72	-169.99	85.09	-509.75	1,306.78	1,284.00	22.78	57.374	
5,000.00	4,910.12	4,718.42	4,653.54	14.19	11.98	-169.63	95.40	-527.55	1,350.25	1,327.06	23.19	58.220	
5,100.00	5,006.72	4,808.16	4,740.89	14.53	12.23	-169.29	105.71	-545.36	1,393.76	1,370.15	23.61	59.034	
5,200.00	5,103.31	4,897.90	4,828.24	14.86	12.49	-168.97	116.02	-563.17	1,437.31	1,413.28	24.03	59.817	
5,300.00	5,199.90	4,987.65	4,915.59	15.20	12.75	-168.68	126.33	-580.98	1,480.89	1,456.44	24.45	60.572	
5,400.00	5,296.49	5,077.39	5,002.94	15.53	13.01	-168.39	136.63	-598.78	1,524.50	1,499.63	24.87	61.299	
5,500.00	5,393.08	5,167.13	5,090.29	15.87	13.27	-168.13	146.94	-616.59	1,568.14	1,542.84	25.29	61.999	
5,600.00	5,489.67	5,256.87	5,177.65	16.21	13.53	-167.88	157.25	-634.40	1,611.80	1,586.09	25.72	62.674	
5,700.00	5,586.26	5,346.61	5,265.00	16.55	13.79	-167.64	167.56	-652.21	1,655.49	1,629.35	26.14	63.326	
5,800.00	5,682.85	5,436.36	5,352.35	16.89	14.05	-167.41	177.87	-670.01	1,699.20	1,672.64	26.57	63.954	
5,900.00	5,779.44	5,526.10	5,439.70	17.23	14.31	-167.20	188.18	-687.82	1,742.94	1,715.95	26.99	64.572	
5,915.24	5,794.17	5,539.78	5,453.02	17.27	14.35	-167.17	189.75	-690.53	1,749.61	1,722.56	27.05	64.682	
6,000.00	5,876.27	5,631.54	5,542.40	17.54	14.60	-167.09	200.15	-708.50	1,785.68	1,758.22	27.46	65.029	
6,100.00	5,973.71	5,757.36	5,665.44	17.85	14.94	-166.98	213.31	-731.23	1,824.69	1,796.65	28.04	65.081	
6,200.00	6,071.71	5,886.52	5,792.33	18.12	15.27	-166.88	225.41	-752.13	1,859.57	1,830.97	28.60	65.011	
6,300.00	6,170.19	6,018.73	5,922.73	18.37	15.58	-166.79	236.30	-770.95	1,890.22	1,861.06	29.15	64.834	
6,400.00	6,269.10	6,153.63	6,056.27	18.59	15.86	-166.72	245.86	-787.47	1,916.51	1,886.83	29.69	64.560	
6,500.00	6,368.35	6,290.86	6,192.54	18.78	16.11	-166.67	253.97	-801.47	1,938.36	1,908.16	30.19	64.197	
6,600.00	6,467.89	6,430.02	6,331.08	18.94	16.33	-166.62	260.52	-812.79	1,955.68	1,925.01	30.67	63.763	
6,700.00	6,567.65	6,570.67	6,471.39	19.07	16.52	-166.58	265.42	-821.26	1,968.40	1,937.29	31.11	63.263	
6,800.00	6,667.55	6,712.37	6,612.94	19.18	16.68	-166.56	268.62	-826.78	1,976.49	1,944.97	31.52	62.709	
6,900.00	6,767.53	6,854.65	6,755.18	19.26	16.80	-166.54	270.06	-829.27	1,979.90	1,948.05	31.85	62.172	
6,915.47	6,783.00	6,876.68	6,777.21	19.26	16.81	-90.39	270.13	-829.38	1,980.01	1,948.13	31.88	62.117	
7,000.00	6,867.53	6,968.00	6,868.53	19.30	16.87	-90.39	270.15	-829.42	1,980.04	1,948.06	31.98	61.917	
7,100.00	6,967.53	7,068.00	6,968.53	19.35	16.94	-90.39	270.15	-829.42	1,980.04	1,947.94	32.09	61.694	
7,200.00	7,067.53	7,168.00	7,068.53	19.40	17.00	-90.39	270.15	-829.42	1,980.04	1,947.83	32.21	61.472	
7,300.00	7,167.53	7,268.00	7,168.53	19.45	17.07	-90.39	270.15	-829.42	1,980.04	1,947.71	32.33	61.250	
7,400.00	7,267.53	7,368.00	7,268.53	19.50	17.13	-90.39	270.15	-829.42	1,980.04	1,947.59	32.44	61.030	
7,500.00	7,367.53	7,468.00	7,368.53	19.55	17.20	-90.39	270.15	-829.42	1,980.04	1,947.47	32.56	60.810	
7,600.00	7,467.53	7,568.00	7,468.53	19.60	17.26	-90.39	270.15	-829.42	1,980.04	1,947.36	32.68	60.591	
7,700.00	7,567.53	7,668.00	7,568.53	19.65	17.33	-90.39	270.15	-829.42	1,980.04	1,947.24	32.80	60.374	
7,800.00	7,667.53	7,768.00	7,668.53	19.71	17.39	-90.39	270.15	-829.42	1,980.04	1,947.12	32.91	60.157	
7,900.00	7,767.53	7,868.00	7,768.53	19.76	17.46	-90.39	270.15	-829.42	1,980.04	1,947.00	33.03	59.940	
8,000.00	7,867.53	7,968.00	7,868.53	19.81	17.52	-90.39	270.15	-829.42	1,980.04	1,946.88	33.15	59.725	
8,100.00	7,967.53	8,068.00	7,968.53	19.86	17.59	-90.39	270.15	-829.42	1,980.04	1,946.76	33.27	59.511	
8,200.00	8,067.53	8,168.00	8,068.53	19.92	17.65	-90.39	270.15	-829.42	1,980.04	1,946.64	33.39	59.297	
8,300.00	8,167.53	8,268.00	8,168.53	19.97	17.72	-90.39	270.15	-829.42	1,980.04	1,946.52	33.51	59.085	
8,400.00	8,267.53	8,368.00	8,268.53	20.02	17.78	-90.39	270.15	-829.42	1,980.04	1,946.40	33.63	58.873	
8,500.00	8,367.53	8,468.00	8,368.53	20.08	17.85	-90.39	270.15	-829.42	1,980.04	1,946.28	33.75	58.662	
8,600.00	8,467.53	8,568.00	8,468.53	20.13	17.92	-90.39	270.15	-829.42	1,980.04	1,946.16	33.87	58.453	
8,700.00	8,567.53	8,668.00	8,568.53	20.18	17.98	-90.39	270.15	-829.42	1,980.04	1,946.04	34.00	58.244	
8,800.00	8,667.53	8,768.00	8,668.53	20.24	18.05	-90.39	270.15	-829.42	1,980.04	1,945.92	34.12	58.036	
8,900.00	8,767.53	8,868.00	8,768.53	20.29	18.11	-90.39	270.15	-829.42	1,980.04	1,945.80	34.24	57.828	
9,000.00	8,867.53	8,968.00	8,868.53	20.35	18.18	-90.39	270.15	-829.42	1,980.04	1,945.67	34.36	57.622	
9,100.00	8,967.53	9,068.00	8,968.53	20.40	18.25	-90.39	270.15	-829.42	1,980.04	1,945.55	34.49	57.417	
9,200.00	9,067.53	9,168.00	9,068.53	20.45	18.31	-90.39	270.15	-829.42	1,980.04	1,945.43	34.61	57.213	
9,300.00	9,167.53	9,268.00	9,168.53	20.51	18.38	-90.39	270.15	-829.42	1,980.04	1,945.30	34.73	57.009	
9,400.00	9,267.53	9,368.00	9,268.53	20.56	18.45	-90.39	270.15	-829.42	1,980.04	1,945.18	34.86	56.807	
9,500.00	9,367.53	9,468.00	9,368.53	20.62	18.52	-90.39	270.15	-829.42	1,980.04	1,945.06	34.98	56.605	
9,600.00	9,467.53	9,568.00	9,468.53	20.68	18.58	-90.39	270.15	-829.42	1,980.04	1,944.93	35.10	56.404	
9,700.00	9,567.53	9,668.00	9,568.53	20.73	18.65	-90.39	270.15	-829.42	1,980.04	1,944.81	35.23	56.204	
9,800.00	9,667.53	9,768.00	9,668.53	20.79	18.72	-90.39	270.15	-829.42	1,980.04	1,944.68	35.35	56.006	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,868.00	9,768.53	20.84	18.79	-90.39	270.15	-829.42	1,980.04	1,944.56	35.48	55.808	
10,000.00	9,867.53	9,968.00	9,868.53	20.90	18.85	-90.39	270.15	-829.42	1,980.04	1,944.43	35.61	55.611	
10,100.00	9,967.53	10,068.00	9,968.53	20.95	18.92	-90.39	270.15	-829.42	1,980.04	1,944.30	35.73	55.415	
10,200.00	10,067.53	10,168.00	10,068.53	21.01	18.99	-90.39	270.15	-829.42	1,980.04	1,944.18	35.86	55.220	
10,300.00	10,167.53	10,268.00	10,168.53	21.07	19.06	-90.39	270.15	-829.42	1,980.04	1,944.05	35.98	55.025	
10,400.00	10,267.53	10,368.00	10,268.53	21.12	19.13	-90.39	270.15	-829.42	1,980.04	1,943.92	36.11	54.832	
10,500.00	10,367.53	10,468.00	10,368.53	21.18	19.19	-90.39	270.15	-829.42	1,980.04	1,943.80	36.24	54.640	
10,600.00	10,467.53	10,568.00	10,468.53	21.24	19.26	-90.39	270.15	-829.42	1,980.04	1,943.67	36.37	54.448	
10,700.00	10,567.53	10,668.00	10,568.53	21.30	19.33	-90.39	270.15	-829.42	1,980.04	1,943.54	36.49	54.258	
10,800.00	10,667.53	10,768.00	10,668.53	21.35	19.40	-90.39	270.15	-829.42	1,980.04	1,943.41	36.62	54.068	
10,900.00	10,767.53	10,868.00	10,768.53	21.41	19.47	-90.39	270.15	-829.42	1,980.04	1,943.29	36.75	53.879	
11,000.00	10,867.53	10,968.00	10,868.53	21.47	19.54	-90.39	270.15	-829.42	1,980.04	1,943.16	36.88	53.692	
11,100.00	10,967.53	11,068.00	10,968.53	21.53	19.61	-90.39	270.15	-829.42	1,980.04	1,943.03	37.01	53.505	
11,200.00	11,067.53	11,168.00	11,068.53	21.58	19.68	-90.39	270.15	-829.42	1,980.04	1,942.90	37.14	53.319	
11,300.00	11,167.53	11,268.00	11,168.53	21.64	19.74	-90.39	270.15	-829.42	1,980.04	1,942.77	37.27	53.134	
11,400.00	11,267.53	11,368.00	11,268.53	21.70	19.81	-90.39	270.15	-829.42	1,980.04	1,942.64	37.39	52.950	
11,500.00	11,367.53	11,468.00	11,368.53	21.76	19.88	-90.39	270.15	-829.42	1,980.04	1,942.51	37.52	52.767	
11,600.00	11,467.53	11,568.00	11,468.53	21.82	19.95	-90.39	270.15	-829.42	1,980.04	1,942.38	37.65	52.584	
11,686.47	11,554.00	11,654.47	11,555.01	21.86	20.00	-90.39	270.15	-829.42	1,980.04	1,942.29	37.75	52.453	
11,700.00	11,567.53	11,668.09	11,568.62	21.86	20.01	90.10	269.96	-829.42	1,980.04	1,942.29	37.75	52.454	
11,750.00	11,617.40	11,718.40	11,618.79	21.90	20.04	90.10	266.47	-829.39	1,980.04	1,942.31	37.72	52.491	
11,800.00	11,666.79	11,768.69	11,668.45	21.93	20.05	90.10	258.60	-829.32	1,980.04	1,942.38	37.65	52.585	
11,850.00	11,715.32	11,818.97	11,717.22	21.95	20.05	90.09	246.41	-829.22	1,980.04	1,942.48	37.56	52.719	
11,900.00	11,762.62	11,869.24	11,764.71	21.97	20.03	90.09	230.00	-829.07	1,980.04	1,942.60	37.44	52.889	
11,950.00	11,808.34	11,919.49	11,810.57	21.99	20.01	90.08	209.49	-828.90	1,980.03	1,942.74	37.30	53.090	
12,000.00	11,852.12	11,969.72	11,854.44	22.01	19.99	90.07	185.06	-828.69	1,980.03	1,942.90	37.14	53.314	
12,050.00	11,893.63	12,019.93	11,895.99	22.03	19.97	90.07	156.90	-828.45	1,980.03	1,943.06	36.97	53.552	
12,100.00	11,932.55	12,070.12	11,934.89	22.05	19.94	90.06	125.22	-828.17	1,980.03	1,943.23	36.81	53.793	
12,150.00	11,968.60	12,120.28	11,970.86	22.09	19.92	90.05	90.28	-827.87	1,980.03	1,943.38	36.65	54.024	
12,200.00	12,001.49	12,170.42	12,003.62	22.13	19.91	90.04	52.34	-827.55	1,980.03	1,943.53	36.51	54.235	
12,203.03	12,003.37	12,173.46	12,005.49	22.13	19.91	90.04	49.96	-827.52	1,980.03	1,943.53	36.50	54.246	
12,250.00	12,030.97	12,220.53	12,032.92	22.19	19.90	90.03	11.71	-827.20	1,980.03	1,943.64	36.39	54.409	
12,300.00	12,056.82	12,270.62	12,058.55	22.26	19.91	90.02	-31.30	-826.83	1,980.03	1,943.73	36.31	54.538	
12,350.00	12,078.85	12,320.68	12,080.31	22.35	19.94	90.01	-76.36	-826.44	1,980.03	1,943.78	36.26	54.609	
12,400.00	12,096.88	12,370.70	12,098.06	22.47	19.97	90.01	-123.12	-826.03	1,980.03	1,943.78	36.26	54.612	
12,450.00	12,110.78	12,420.71	12,111.65	22.60	20.03	90.00	-171.22	-825.62	1,980.04	1,943.73	36.30	54.542	
12,500.00	12,120.45	12,470.68	12,120.99	22.75	20.10	89.99	-220.29	-825.20	1,980.04	1,943.63	36.40	54.395	
12,550.00	12,125.80	12,520.62	12,126.02	22.93	20.19	89.98	-269.96	-824.77	1,980.04	1,943.48	36.55	54.171	
12,581.47	12,126.94	12,552.05	12,126.97	23.05	20.26	89.97	-301.37	-824.50	1,980.04	1,943.37	36.67	53.997	
12,600.00	12,127.10	12,570.58	12,127.13	23.12	20.30	89.97	-319.90	-824.34	1,980.04	1,943.28	36.75	53.876	
12,700.00	12,127.97	12,670.58	12,128.00	23.56	20.57	89.97	-419.89	-823.48	1,980.04	1,942.70	37.33	53.039	
12,800.00	12,128.84	12,770.58	12,128.87	24.06	20.90	89.97	-519.89	-822.62	1,980.04	1,941.94	38.10	51.973	
12,900.00	12,129.71	12,870.58	12,129.74	24.61	21.29	89.97	-619.88	-821.76	1,980.04	1,941.00	39.04	50.717	
13,000.00	12,130.58	12,970.58	12,130.61	25.21	21.75	89.97	-719.87	-820.90	1,980.04	1,939.89	40.15	49.315	
13,100.00	12,131.46	13,070.58	12,131.48	25.87	22.26	89.97	-819.86	-820.04	1,980.04	1,938.63	41.41	47.813	
13,200.00	12,132.33	13,170.58	12,132.36	26.56	22.84	89.97	-919.86	-819.18	1,980.04	1,937.23	42.81	46.248	
13,300.00	12,133.20	13,270.58	12,133.23	27.30	23.48	89.97	-1,019.85	-818.32	1,980.04	1,935.70	44.34	44.655	
13,400.00	12,134.07	13,370.58	12,134.10	28.08	24.17	89.97	-1,119.84	-817.45	1,980.04	1,934.06	45.98	43.062	
13,500.00	12,134.94	13,470.58	12,134.97	28.90	24.91	89.97	-1,219.83	-816.59	1,980.04	1,932.32	47.72	41.490	
13,600.00	12,135.81	13,570.58	12,135.84	29.75	25.71	89.97	-1,319.83	-815.73	1,980.04	1,930.49	49.56	39.956	
13,700.00	12,136.69	13,670.58	12,136.71	30.63	26.55	89.97	-1,419.82	-814.87	1,980.04	1,928.57	51.47	38.470	
13,800.00	12,137.56	13,770.58	12,137.58	31.55	27.44	89.97	-1,519.81	-814.01	1,980.04	1,926.59	53.46	37.041	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,138.43	13,870.58	12,138.45	32.50	28.36	89.97	-1,619.80	-813.15	1,980.04	1,924.54	55.51	35.673	
14,000.00	12,139.30	13,970.58	12,139.32	33.47	29.32	89.97	-1,719.80	-812.29	1,980.04	1,922.43	57.61	34.367	
14,100.00	12,140.17	14,070.58	12,140.20	34.47	30.31	89.97	-1,819.79	-811.43	1,980.04	1,920.27	59.77	33.126	
14,200.00	12,141.04	14,170.58	12,141.07	35.49	31.33	89.97	-1,919.78	-810.57	1,980.04	1,918.07	61.98	31.947	
14,300.00	12,141.92	14,270.58	12,141.94	36.53	32.37	89.97	-2,019.77	-809.71	1,980.05	1,915.82	64.23	30.829	
14,400.00	12,142.79	14,370.58	12,142.81	37.59	33.44	89.97	-2,119.77	-808.85	1,980.05	1,913.54	66.51	29.771	
14,500.00	12,143.66	14,470.58	12,143.68	38.67	34.54	89.97	-2,219.76	-807.99	1,980.05	1,911.22	68.83	28.768	
14,600.00	12,144.53	14,570.58	12,144.55	39.77	35.65	89.97	-2,319.75	-807.13	1,980.05	1,908.87	71.17	27.819	
14,700.00	12,145.40	14,670.58	12,145.42	40.88	36.78	89.97	-2,419.74	-806.27	1,980.05	1,906.50	73.55	26.921	
14,800.00	12,146.27	14,770.58	12,146.29	42.01	37.92	89.97	-2,519.74	-805.40	1,980.05	1,904.10	75.95	26.071	
14,900.00	12,147.14	14,870.58	12,147.16	43.15	39.08	89.97	-2,619.73	-804.54	1,980.05	1,901.68	78.37	25.265	
15,000.00	12,148.02	14,970.58	12,148.04	44.31	40.26	89.97	-2,719.72	-803.68	1,980.05	1,899.24	80.81	24.502	
15,100.00	12,148.89	15,070.58	12,148.91	45.47	41.45	89.97	-2,819.71	-802.82	1,980.05	1,896.78	83.27	23.778	
15,200.00	12,149.76	15,170.58	12,149.78	46.65	42.64	89.97	-2,919.71	-801.96	1,980.05	1,894.30	85.75	23.091	
15,300.00	12,150.63	15,270.58	12,150.65	47.83	43.85	89.97	-3,019.70	-801.10	1,980.05	1,891.81	88.24	22.439	
15,400.00	12,151.50	15,370.58	12,151.52	49.03	45.07	89.97	-3,119.69	-800.24	1,980.05	1,889.30	90.75	21.819	
15,500.00	12,152.37	15,470.58	12,152.39	50.23	46.30	89.97	-3,219.68	-799.38	1,980.05	1,886.78	93.27	21.229	
15,600.00	12,153.25	15,570.58	12,153.26	51.45	47.53	89.97	-3,319.68	-798.52	1,980.05	1,884.25	95.80	20.668	
15,700.00	12,154.12	15,670.58	12,154.13	52.67	48.77	89.97	-3,419.67	-797.66	1,980.05	1,881.71	98.35	20.134	
15,800.00	12,154.99	15,770.58	12,155.01	53.89	50.02	89.97	-3,519.66	-796.80	1,980.05	1,879.15	100.90	19.624	
15,900.00	12,155.86	15,870.58	12,155.88	55.13	51.28	89.97	-3,619.65	-795.94	1,980.05	1,876.59	103.46	19.138	
16,000.00	12,156.73	15,970.58	12,156.75	56.37	52.54	89.97	-3,719.65	-795.08	1,980.05	1,874.02	106.03	18.674	
16,100.00	12,157.60	16,070.58	12,157.62	57.61	53.80	89.97	-3,819.64	-794.22	1,980.06	1,871.44	108.61	18.230	
16,200.00	12,158.48	16,170.58	12,158.49	58.86	55.07	89.97	-3,919.63	-793.35	1,980.06	1,868.85	111.20	17.806	
16,300.00	12,159.35	16,270.58	12,159.36	60.12	56.35	89.97	-4,019.62	-792.49	1,980.06	1,866.26	113.80	17.400	
16,400.00	12,160.22	16,370.58	12,160.23	61.38	57.63	89.97	-4,119.62	-791.63	1,980.06	1,863.66	116.40	17.011	
16,500.00	12,161.09	16,470.58	12,161.10	62.65	58.91	89.97	-4,219.61	-790.77	1,980.06	1,861.05	119.01	16.638	
16,600.00	12,161.96	16,570.58	12,161.97	63.92	60.20	89.97	-4,319.60	-789.91	1,980.06	1,858.44	121.62	16.281	
16,700.00	12,162.83	16,670.58	12,162.85	65.19	61.50	89.97	-4,419.59	-789.05	1,980.06	1,855.82	124.24	15.937	
16,800.00	12,163.71	16,770.58	12,163.72	66.47	62.79	89.97	-4,519.59	-788.19	1,980.06	1,853.20	126.86	15.608	
16,900.00	12,164.58	16,870.58	12,164.59	67.75	64.09	89.97	-4,619.58	-787.33	1,980.06	1,850.57	129.49	15.291	
17,000.00	12,165.45	16,970.58	12,165.46	69.04	65.39	89.97	-4,719.57	-786.47	1,980.06	1,847.93	132.13	14.986	
17,100.00	12,166.32	17,070.58	12,166.33	70.32	66.69	89.97	-4,819.56	-785.61	1,980.06	1,845.30	134.76	14.693	
17,200.00	12,167.19	17,170.58	12,167.20	71.61	68.00	89.97	-4,919.56	-784.75	1,980.06	1,842.66	137.40	14.410	
17,300.00	12,168.06	17,270.58	12,168.07	72.91	69.31	89.97	-5,019.55	-783.89	1,980.06	1,840.01	140.05	14.138	
17,400.00	12,168.94	17,370.58	12,168.94	74.21	70.62	89.97	-5,119.54	-783.03	1,980.06	1,837.36	142.70	13.876	
17,500.00	12,169.81	17,470.58	12,169.81	75.50	71.94	89.97	-5,219.53	-782.16	1,980.06	1,834.71	145.35	13.623	
17,600.00	12,170.68	17,570.58	12,170.69	76.81	73.25	89.97	-5,319.53	-781.30	1,980.06	1,832.06	148.01	13.378	
17,700.00	12,171.55	17,670.58	12,171.56	78.11	74.57	89.97	-5,419.52	-780.44	1,980.06	1,829.40	150.66	13.142	
17,800.00	12,172.42	17,770.58	12,172.43	79.42	75.89	89.97	-5,519.51	-779.58	1,980.06	1,826.74	153.33	12.914	
17,900.00	12,173.29	17,870.58	12,173.30	80.72	77.21	89.97	-5,619.50	-778.72	1,980.07	1,824.07	155.99	12.694	
18,000.00	12,174.17	17,970.58	12,174.17	82.03	78.54	89.97	-5,719.50	-777.86	1,980.07	1,821.41	158.66	12.480	
18,100.00	12,175.04	18,070.58	12,175.04	83.35	79.86	89.97	-5,819.49	-777.00	1,980.07	1,818.74	161.33	12.274	
18,200.00	12,175.91	18,170.58	12,175.91	84.66	81.19	89.97	-5,919.48	-776.14	1,980.07	1,816.07	164.00	12.074	
18,300.00	12,176.78	18,270.58	12,176.78	85.98	82.51	89.97	-6,019.47	-775.28	1,980.07	1,813.40	166.67	11.880	
18,400.00	12,177.65	18,370.58	12,177.65	87.29	83.84	89.97	-6,119.47	-774.42	1,980.07	1,810.72	169.35	11.692	
18,500.00	12,178.52	18,470.58	12,178.53	88.61	85.17	89.97	-6,219.46	-773.56	1,980.07	1,808.04	172.02	11.510	
18,600.00	12,179.39	18,570.58	12,179.40	89.93	86.51	89.97	-6,319.45	-772.70	1,980.07	1,805.37	174.70	11.334	
18,700.00	12,180.27	18,670.58	12,180.27	91.26	87.84	89.97	-6,419.44	-771.84	1,980.07	1,802.68	177.39	11.163	
18,800.00	12,181.14	18,770.58	12,181.14	92.58	89.17	89.97	-6,519.44	-770.98	1,980.07	1,800.00	180.07	10.996	
18,900.00	12,182.01	18,870.58	12,182.01	93.90	90.51	89.97	-6,619.43	-770.11	1,980.07	1,797.32	182.75	10.835	
19,000.00	12,182.88	18,970.58	12,182.88	95.23	91.84	89.97	-6,719.42	-769.25	1,980.07	1,794.63	185.44	10.678	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	12,183.75	19,070.58	12,183.75	96.56	93.18	89.97	-6,819.41	-768.39	1,980.07	1,791.94	188.13	10.525	
19,200.00	12,184.62	19,170.58	12,184.62	97.89	94.52	89.97	-6,919.41	-767.53	1,980.07	1,789.25	190.82	10.377	
19,300.00	12,185.50	19,270.58	12,185.49	99.22	95.86	89.97	-7,019.40	-766.67	1,980.07	1,786.56	193.51	10.232	
19,400.00	12,186.37	19,370.58	12,186.37	100.55	97.20	89.97	-7,119.39	-765.81	1,980.07	1,783.87	196.20	10.092	
19,500.00	12,187.24	19,470.58	12,187.24	101.88	98.54	89.97	-7,219.38	-764.95	1,980.07	1,781.18	198.89	9.955	
19,600.00	12,188.11	19,570.58	12,188.11	103.21	99.88	89.97	-7,319.38	-764.09	1,980.07	1,778.49	201.59	9.822	
19,700.00	12,188.98	19,670.58	12,188.98	104.54	101.22	89.97	-7,419.37	-763.23	1,980.08	1,775.79	204.28	9.693	
19,800.00	12,189.85	19,770.58	12,189.85	105.88	102.57	89.97	-7,519.36	-762.37	1,980.08	1,773.09	206.98	9.566	
19,900.00	12,190.73	19,870.58	12,190.72	107.21	103.91	89.97	-7,619.35	-761.51	1,980.08	1,770.40	209.68	9.443	
20,000.00	12,191.60	19,970.58	12,191.59	108.55	105.25	89.97	-7,719.35	-760.65	1,980.08	1,767.70	212.38	9.323	
20,100.00	12,192.47	20,070.58	12,192.46	109.89	106.60	89.97	-7,819.34	-759.79	1,980.08	1,765.00	215.08	9.206	
20,200.00	12,193.34	20,170.58	12,193.33	111.23	107.94	89.97	-7,919.33	-758.92	1,980.08	1,762.30	217.78	9.092	
20,300.00	12,194.21	20,270.58	12,194.21	112.56	109.29	89.97	-8,019.32	-758.06	1,980.08	1,759.60	220.48	8.981	
20,400.00	12,195.08	20,370.58	12,195.08	113.90	110.64	89.97	-8,119.32	-757.20	1,980.08	1,756.89	223.19	8.872	
20,500.00	12,195.96	20,470.58	12,195.95	115.24	111.99	89.97	-8,219.31	-756.34	1,980.08	1,754.19	225.89	8.766	
20,600.00	12,196.83	20,570.58	12,196.82	116.58	113.33	89.97	-8,319.30	-755.48	1,980.08	1,751.48	228.60	8.662	
20,700.00	12,197.70	20,670.58	12,197.69	117.93	114.68	89.97	-8,419.29	-754.62	1,980.08	1,748.78	231.30	8.561	
20,800.00	12,198.57	20,770.58	12,198.56	119.27	116.03	89.97	-8,519.29	-753.76	1,980.08	1,746.07	234.01	8.462	
20,900.00	12,199.44	20,870.58	12,199.43	120.61	117.38	89.97	-8,619.28	-752.90	1,980.08	1,743.37	236.71	8.365	
21,000.00	12,200.31	20,970.58	12,200.30	121.95	118.73	89.97	-8,719.27	-752.04	1,980.08	1,740.66	239.42	8.270	
21,100.00	12,201.19	21,070.58	12,201.18	123.30	120.08	89.97	-8,819.26	-751.18	1,980.08	1,737.95	242.13	8.178	
21,200.00	12,202.06	21,170.58	12,202.05	124.64	121.43	89.97	-8,919.26	-750.32	1,980.08	1,735.24	244.84	8.087	
21,300.00	12,202.93	21,270.58	12,202.92	125.99	122.78	89.97	-9,019.25	-749.46	1,980.08	1,732.53	247.55	7.999	
21,400.00	12,203.80	21,370.58	12,203.79	127.33	124.13	89.97	-9,119.24	-748.60	1,980.08	1,729.82	250.26	7.912	
21,500.00	12,204.67	21,470.58	12,204.66	128.68	125.49	89.97	-9,219.23	-747.74	1,980.08	1,727.11	252.97	7.827	
21,600.00	12,205.54	21,570.58	12,205.53	130.03	126.84	89.97	-9,319.23	-746.87	1,980.09	1,724.40	255.68	7.744	
21,700.00	12,206.41	21,670.58	12,206.40	131.37	128.19	89.97	-9,419.22	-746.01	1,980.09	1,721.69	258.40	7.663	
21,800.00	12,207.29	21,770.58	12,207.27	132.72	129.55	89.97	-9,519.21	-745.15	1,980.09	1,718.98	261.11	7.583	
21,900.00	12,208.16	21,870.58	12,208.14	134.07	130.90	89.97	-9,619.20	-744.29	1,980.09	1,716.26	263.82	7.505	
22,000.00	12,209.03	21,970.58	12,209.02	135.42	132.25	89.97	-9,719.20	-743.43	1,980.09	1,713.55	266.54	7.429	
22,100.00	12,209.90	22,070.58	12,209.89	136.77	133.61	89.97	-9,819.19	-742.57	1,980.09	1,710.84	269.25	7.354	
22,200.00	12,210.77	22,170.58	12,210.76	138.12	134.96	89.97	-9,919.18	-741.71	1,980.09	1,708.12	271.97	7.281	
22,300.00	12,211.64	22,270.58	12,211.63	139.47	136.32	89.97	-10,019.17	-740.85	1,980.09	1,705.41	274.68	7.209	
22,400.00	12,212.52	22,370.58	12,212.50	140.82	137.67	89.97	-10,119.17	-739.99	1,980.09	1,702.69	277.40	7.138	
22,500.00	12,213.39	22,470.58	12,213.37	142.17	139.03	89.97	-10,219.16	-739.13	1,980.09	1,699.97	280.12	7.069	
22,512.90	12,213.50	22,483.48	12,213.48	142.34	139.20	89.97	-10,232.05	-739.02	1,980.09	1,699.62	280.47	7.060	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-25.00	0.00	25.00				
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-25.00	0.00	25.00	23.04	1.96	12.741	
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-25.00	0.00	25.00	21.88	3.12	8.007	
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-25.00	0.00	25.00	21.04	3.96	6.309	CC
400.00	399.99	399.99	399.99	2.41	2.33	106.72	-25.00	0.00	25.35	20.68	4.66	5.436	ES
500.00	499.91	499.91	499.91	2.78	2.63	114.78	-25.00	0.00	26.74	21.45	5.29	5.056	
600.00	599.69	599.69	599.69	3.12	2.91	126.11	-25.00	0.00	30.08	24.19	5.89	5.109	
633.33	632.91	632.91	632.91	3.15	2.99	130.10	-25.00	0.00	31.78	25.77	6.02	5.284	
700.00	699.32	699.32	699.32	3.25	3.16	137.22	-25.00	0.00	35.81	29.49	6.32	5.669	
800.00	798.94	798.94	798.94	3.50	3.40	145.19	-25.00	0.00	42.63	35.80	6.83	6.239	
900.00	898.56	899.82	899.81	3.74	3.68	150.66	-24.31	1.11	48.78	41.41	7.37	6.623	
1,000.00	998.18	1,001.02	1,000.93	3.97	3.94	154.51	-22.21	4.49	52.64	44.78	7.87	6.691	
1,100.00	1,097.80	1,102.38	1,102.06	4.20	4.19	157.62	-18.70	10.17	54.07	45.72	8.35	6.478	
1,200.00	1,197.42	1,202.78	1,202.09	4.42	4.30	160.47	-14.15	17.50	53.62	44.94	8.69	6.174	
1,300.00	1,297.04	1,302.74	1,301.68	4.64	4.49	163.35	-9.56	24.90	53.19	44.08	9.11	5.839	
1,400.00	1,396.66	1,402.71	1,401.26	4.86	4.69	166.27	-4.97	32.31	52.90	43.37	9.53	5.553	
1,500.00	1,496.28	1,502.67	1,500.84	5.07	4.88	169.21	-0.38	39.71	52.74	42.80	9.93	5.309	
1,562.60	1,558.64	1,565.24	1,563.18	5.20	5.00	171.06	2.50	44.35	52.71	42.52	10.19	5.174	
1,600.00	1,595.90	1,602.63	1,600.42	5.28	5.07	172.16	4.21	47.12	52.72	42.38	10.34	5.100	
1,700.00	1,695.52	1,702.59	1,700.01	5.48	5.26	175.11	8.80	54.52	52.84	42.11	10.73	4.923	
1,800.00	1,795.14	1,802.56	1,799.59	5.69	5.45	178.04	13.40	61.92	53.10	41.98	11.12	4.775	
1,900.00	1,894.76	1,902.52	1,899.17	5.89	5.64	-179.07	17.99	69.33	53.50	42.00	11.50	4.651	
2,000.00	1,994.38	2,002.48	1,998.75	6.09	5.83	-176.23	22.58	76.73	54.04	42.16	11.88	4.548	
2,100.00	2,094.00	2,102.45	2,098.34	6.29	6.01	-173.45	27.17	84.14	54.70	42.45	12.25	4.466	
2,200.00	2,193.62	2,202.41	2,197.92	6.50	6.21	-170.75	31.76	91.54	55.49	42.86	12.63	4.393	
2,206.41	2,200.00	2,208.85	2,204.34	6.52	6.22	-170.57	32.06	92.02	55.54	42.89	12.65	4.389	
2,300.00	2,293.13	2,303.21	2,298.26	6.72	6.39	-167.91	36.83	99.73	56.79	43.79	12.99	4.371	
2,400.00	2,392.34	2,404.01	2,398.40	6.95	6.58	-164.93	42.84	109.41	59.26	45.89	13.37	4.432	
2,500.00	2,491.20	2,504.77	2,498.31	7.18	6.77	-161.98	49.77	120.59	62.94	49.19	13.75	4.578	
2,600.00	2,589.63	2,605.52	2,597.95	7.41	6.97	-159.21	57.62	133.26	67.84	53.71	14.13	4.801	
2,700.00	2,687.57	2,706.24	2,697.28	7.65	7.17	-156.71	66.39	147.41	73.95	59.43	14.52	5.094	
2,800.00	2,784.94	2,806.95	2,796.29	7.88	7.37	-154.52	76.08	163.03	81.25	66.33	14.92	5.447	
2,873.30	2,855.92	2,880.75	2,868.64	8.02	7.52	-153.12	83.76	175.43	87.34	72.15	15.19	5.750	
2,900.00	2,881.71	2,907.60	2,894.91	8.06	7.57	-152.65	86.68	180.13	89.63	74.36	15.28	5.867	
3,000.00	2,978.30	3,007.20	2,992.34	8.28	7.77	-150.99	97.58	197.72	98.15	82.46	15.69	6.256	
3,100.00	3,074.89	3,106.80	3,089.76	8.49	7.97	-149.61	108.49	215.32	106.73	90.62	16.12	6.623	
3,200.00	3,171.49	3,206.40	3,187.19	8.71	8.17	-148.43	119.40	232.91	115.37	98.82	16.55	6.970	
3,300.00	3,268.08	3,306.00	3,284.61	8.93	8.37	-147.41	130.30	250.50	124.05	107.05	17.00	7.298	
3,400.00	3,364.67	3,405.60	3,382.04	9.16	8.58	-146.53	141.21	268.10	132.76	115.31	17.45	7.608	
3,500.00	3,461.26	3,505.20	3,479.46	9.42	8.79	-145.76	152.12	285.69	141.50	123.59	17.91	7.901	
3,600.00	3,557.85	3,604.80	3,576.89	9.70	9.00	-145.08	163.02	303.29	150.26	131.88	18.38	8.177	
3,700.00	3,654.44	3,704.40	3,674.31	10.00	9.22	-144.47	173.93	320.88	159.04	140.19	18.85	8.438	
3,800.00	3,751.03	3,804.00	3,771.74	10.30	9.45	-143.92	184.84	338.47	167.83	148.51	19.32	8.685	
3,900.00	3,847.62	3,903.60	3,869.17	10.61	9.68	-143.43	195.74	356.07	176.64	156.84	19.81	8.918	
4,000.00	3,944.21	4,003.20	3,966.59	10.93	9.92	-142.99	206.65	373.66	185.47	165.17	20.29	9.139	
4,100.00	4,040.80	4,102.04	4,063.30	11.25	10.12	-142.62	217.41	391.01	194.37	173.63	20.74	9.370	
4,200.00	4,137.40	4,200.00	4,159.42	11.57	10.36	-142.61	227.36	407.06	204.09	182.86	21.22	9.616	
4,300.00	4,233.99	4,296.98	4,254.89	11.89	10.58	-142.95	236.35	421.58	214.78	193.09	21.69	9.903	
4,400.00	4,330.58	4,394.08	4,350.74	12.21	10.79	-143.61	244.51	434.73	226.46	204.33	22.13	10.231	
4,500.00	4,427.17	4,490.85	4,446.52	12.54	10.99	-144.52	251.78	446.46	239.18	216.62	22.56	10.600	
4,600.00	4,523.76	4,587.25	4,542.15	12.87	11.17	-145.63	258.18	456.78	252.99	230.02	22.97	11.012	
4,700.00	4,620.35	4,683.22	4,637.54	13.20	11.35	-146.89	263.71	465.70	267.94	244.57	23.37	11.466	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,778.71	4,732.62	13.53	11.51	-148.27	268.37	473.22	284.08	260.33	23.74	11.965	
4,900.00	4,813.53	4,873.67	4,827.31	13.86	11.65	-149.72	272.18	479.36	301.47	277.37	24.10	12.509	
5,000.00	4,910.12	4,968.06	4,921.53	14.19	11.79	-151.21	275.14	484.14	320.16	295.72	24.44	13.099	
5,100.00	5,006.72	5,061.83	5,015.21	14.53	11.91	-152.73	277.28	487.59	340.19	315.42	24.77	13.732	
5,200.00	5,103.31	5,154.93	5,108.28	14.86	12.03	-154.24	278.60	489.72	361.61	336.53	25.08	14.417	
5,300.00	5,199.90	5,247.33	5,200.67	15.20	12.12	-155.73	279.12	490.56	384.44	359.08	25.36	15.161	
5,400.00	5,296.49	5,343.15	5,296.49	15.53	12.18	-157.20	279.13	490.58	408.28	382.66	25.62	15.937	
5,500.00	5,393.08	5,439.74	5,393.08	15.87	12.26	-158.52	279.13	490.58	432.38	406.47	25.90	16.692	
5,600.00	5,489.67	5,536.33	5,489.67	16.21	12.34	-159.71	279.13	490.58	456.67	430.48	26.19	17.436	
5,700.00	5,586.26	5,632.92	5,586.26	16.55	12.41	-160.77	279.13	490.58	481.13	454.65	26.48	18.168	
5,800.00	5,682.85	5,729.51	5,682.85	16.89	12.49	-161.74	279.13	490.58	505.73	478.95	26.77	18.890	
5,900.00	5,779.44	5,826.11	5,779.44	17.23	12.57	-162.61	279.13	490.58	530.45	503.39	27.07	19.599	
5,915.24	5,794.17	5,840.83	5,794.17	17.27	12.58	-162.74	279.13	490.58	534.23	507.12	27.10	19.710	
6,000.00	5,876.27	5,922.93	5,876.27	17.54	12.65	-163.47	279.13	490.58	554.41	527.06	27.35	20.271	
6,100.00	5,973.71	6,020.37	5,973.71	17.85	12.73	-164.19	279.13	490.58	576.02	548.37	27.65	20.834	
6,200.00	6,071.71	6,118.37	6,071.71	18.12	12.81	-164.79	279.13	490.58	595.23	567.29	27.94	21.301	
6,300.00	6,170.19	6,216.85	6,170.19	18.37	12.89	-165.28	279.13	490.58	611.99	583.76	28.23	21.676	
6,400.00	6,269.10	6,315.76	6,269.10	18.59	12.97	-165.68	279.13	490.58	626.28	597.76	28.52	21.961	
6,500.00	6,368.35	6,415.01	6,368.35	18.78	13.05	-165.99	279.13	490.58	638.07	609.28	28.80	22.159	
6,600.00	6,467.89	6,514.55	6,467.89	18.94	13.13	-166.23	279.13	490.58	647.35	618.29	29.06	22.273	
6,700.00	6,567.65	6,614.31	6,567.65	19.07	13.21	-166.40	279.13	490.58	654.10	624.78	29.32	22.308	
6,800.00	6,667.55	6,714.21	6,667.55	19.18	13.29	-166.50	279.13	490.58	658.31	628.74	29.57	22.266	
6,900.00	6,767.53	6,814.19	6,767.53	19.26	13.37	-166.54	279.13	490.58	659.97	630.19	29.78	22.158	
6,915.47	6,783.00	6,829.66	6,783.00	19.26	13.38	-90.39	279.13	490.58	660.01	630.20	29.80	22.145	
7,000.00	6,867.53	6,914.19	6,867.53	19.30	13.45	-90.39	279.13	490.58	660.01	630.10	29.90	22.071	
7,100.00	6,967.53	7,014.19	6,967.53	19.35	13.53	-90.39	279.13	490.58	660.01	629.97	30.03	21.976	
7,200.00	7,067.53	7,114.19	7,067.53	19.40	13.61	-90.39	279.13	490.58	660.01	629.84	30.16	21.882	
7,300.00	7,167.53	7,214.19	7,167.53	19.45	13.69	-90.39	279.13	490.58	660.01	629.71	30.29	21.788	
7,400.00	7,267.53	7,314.19	7,267.53	19.50	13.77	-90.39	279.13	490.58	660.01	629.58	30.42	21.696	
7,500.00	7,367.53	7,414.19	7,367.53	19.55	13.86	-90.39	279.13	490.58	660.01	629.45	30.55	21.603	
7,600.00	7,467.53	7,514.19	7,467.53	19.60	13.94	-90.39	279.13	490.58	660.01	629.32	30.68	21.512	
7,700.00	7,567.53	7,614.19	7,567.53	19.65	14.02	-90.39	279.13	490.58	660.01	629.19	30.81	21.421	
7,800.00	7,667.53	7,714.19	7,667.53	19.71	14.10	-90.39	279.13	490.58	660.01	629.06	30.94	21.330	
7,900.00	7,767.53	7,814.19	7,767.53	19.76	14.18	-90.39	279.13	490.58	660.01	628.93	31.07	21.240	
8,000.00	7,867.53	7,914.19	7,867.53	19.81	14.26	-90.39	279.13	490.58	660.01	628.80	31.20	21.151	
8,100.00	7,967.53	8,014.19	7,967.53	19.86	14.34	-90.39	279.13	490.58	660.01	628.67	31.34	21.062	
8,200.00	8,067.53	8,114.19	8,067.53	19.92	14.42	-90.39	279.13	490.58	660.01	628.54	31.47	20.974	
8,300.00	8,167.53	8,214.19	8,167.53	19.97	14.50	-90.39	279.13	490.58	660.01	628.41	31.60	20.886	
8,400.00	8,267.53	8,314.19	8,267.53	20.02	14.58	-90.39	279.13	490.58	660.01	628.27	31.73	20.799	
8,500.00	8,367.53	8,414.19	8,367.53	20.08	14.67	-90.39	279.13	490.58	660.01	628.14	31.87	20.712	
8,600.00	8,467.53	8,514.19	8,467.53	20.13	14.75	-90.39	279.13	490.58	660.01	628.01	32.00	20.627	
8,700.00	8,567.53	8,614.19	8,567.53	20.18	14.83	-90.39	279.13	490.58	660.01	627.87	32.13	20.541	
8,800.00	8,667.53	8,714.19	8,667.53	20.24	14.91	-90.39	279.13	490.58	660.01	627.74	32.26	20.456	
8,900.00	8,767.53	8,814.19	8,767.53	20.29	14.99	-90.39	279.13	490.58	660.01	627.61	32.40	20.372	
9,000.00	8,867.53	8,914.19	8,867.53	20.35	15.07	-90.39	279.13	490.58	660.01	627.47	32.53	20.288	
9,100.00	8,967.53	9,014.19	8,967.53	20.40	15.15	-90.39	279.13	490.58	660.01	627.34	32.67	20.205	
9,200.00	9,067.53	9,114.19	9,067.53	20.45	15.23	-90.39	279.13	490.58	660.01	627.21	32.80	20.122	
9,300.00	9,167.53	9,214.19	9,167.53	20.51	15.31	-90.39	279.13	490.58	660.01	627.07	32.93	20.040	
9,400.00	9,267.53	9,314.19	9,267.53	20.56	15.40	-90.39	279.13	490.58	660.01	626.94	33.07	19.959	
9,500.00	9,367.53	9,414.19	9,367.53	20.62	15.48	-90.39	279.13	490.58	660.01	626.80	33.20	19.877	
9,600.00	9,467.53	9,514.19	9,467.53	20.68	15.56	-90.39	279.13	490.58	660.01	626.67	33.34	19.797	
9,700.00	9,567.53	9,614.19	9,567.53	20.73	15.64	-90.39	279.13	490.58	660.01	626.53	33.47	19.717	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,667.53	9,714.19	9,667.53	20.79	15.72	-90.39	279.13	490.58	660.01	626.40	33.61	19.637	
9,900.00	9,767.53	9,814.19	9,767.53	20.84	15.80	-90.39	279.13	490.58	660.01	626.26	33.75	19.558	
10,000.00	9,867.53	9,914.19	9,867.53	20.90	15.88	-90.39	279.13	490.58	660.01	626.12	33.88	19.480	
10,100.00	9,967.53	10,014.19	9,967.53	20.95	15.96	-90.39	279.13	490.58	660.01	625.99	34.02	19.402	
10,200.00	10,067.53	10,114.19	10,067.53	21.01	16.04	-90.39	279.13	490.58	660.01	625.85	34.15	19.324	
10,300.00	10,167.53	10,214.19	10,167.53	21.07	16.13	-90.39	279.13	490.58	660.01	625.71	34.29	19.247	
10,400.00	10,267.53	10,314.19	10,267.53	21.12	16.21	-90.39	279.13	490.58	660.01	625.58	34.43	19.171	
10,500.00	10,367.53	10,414.19	10,367.53	21.18	16.29	-90.39	279.13	490.58	660.01	625.44	34.56	19.095	
10,600.00	10,467.53	10,514.19	10,467.53	21.24	16.37	-90.39	279.13	490.58	660.01	625.30	34.70	19.019	
10,700.00	10,567.53	10,614.19	10,567.53	21.30	16.45	-90.39	279.13	490.58	660.01	625.17	34.84	18.944	
10,800.00	10,667.53	10,714.19	10,667.53	21.35	16.53	-90.39	279.13	490.58	660.01	625.03	34.98	18.870	
10,900.00	10,767.53	10,814.19	10,767.53	21.41	16.61	-90.39	279.13	490.58	660.01	624.89	35.11	18.796	
11,000.00	10,867.53	10,914.19	10,867.53	21.47	16.69	-90.39	279.13	490.58	660.01	624.75	35.25	18.722	
11,100.00	10,967.53	11,014.19	10,967.53	21.53	16.78	-90.39	279.13	490.58	660.01	624.61	35.39	18.649	
11,200.00	11,067.53	11,114.19	11,067.53	21.58	16.86	-90.39	279.13	490.58	660.01	624.48	35.53	18.576	
11,300.00	11,167.53	11,214.19	11,167.53	21.64	16.94	-90.39	279.13	490.58	660.01	624.34	35.67	18.504	
11,400.00	11,267.53	11,314.19	11,267.53	21.70	17.02	-90.39	279.13	490.58	660.01	624.20	35.81	18.432	
11,500.00	11,367.53	11,414.19	11,367.53	21.76	17.10	-90.39	279.13	490.58	660.01	624.06	35.95	18.361	
11,600.00	11,467.53	11,514.19	11,467.53	21.82	17.18	-90.39	279.13	490.58	660.01	623.92	36.08	18.290	
11,686.47	11,554.00	11,600.66	11,554.00	21.86	17.25	-90.39	279.13	490.58	660.01	623.81	36.20	18.233	
11,700.00	11,567.53	11,614.22	11,567.56	21.86	17.27	90.10	278.94	490.58	660.01	623.81	36.20	18.233	
11,750.00	11,617.40	11,664.32	11,617.52	21.90	17.32	90.09	275.49	490.61	660.01	623.83	36.18	18.243	
11,800.00	11,666.79	11,714.41	11,666.98	21.93	17.35	90.08	267.68	490.68	660.00	623.88	36.12	18.272	
11,850.00	11,715.32	11,764.49	11,715.57	21.95	17.38	90.07	255.58	490.78	660.00	623.96	36.04	18.313	
11,900.00	11,762.62	11,814.56	11,762.90	21.97	17.41	90.06	239.30	490.92	660.00	624.06	35.94	18.364	
11,950.00	11,808.34	11,864.62	11,808.62	21.99	17.44	90.05	218.95	491.10	660.00	624.18	35.83	18.423	
12,000.00	11,852.12	11,914.67	11,852.38	22.01	17.47	90.04	194.70	491.31	660.00	624.30	35.70	18.486	
12,027.17	11,874.98	11,941.87	11,875.22	22.02	17.49	90.04	179.94	491.43	660.00	624.37	35.63	18.522	
12,050.00	11,893.63	11,964.71	11,893.85	22.03	17.50	90.03	166.73	491.55	660.00	624.43	35.58	18.551	
12,100.00	11,932.55	12,014.73	11,932.71	22.05	17.54	90.02	135.25	491.82	660.00	624.55	35.46	18.614	
12,150.00	11,968.60	12,064.75	11,968.67	22.09	17.58	90.01	100.51	492.12	660.00	624.65	35.35	18.669	
12,200.00	12,001.49	12,114.75	12,001.46	22.13	17.63	90.00	62.79	492.44	660.00	624.73	35.27	18.713	
12,250.00	12,030.97	12,164.74	12,030.83	22.19	17.68	89.99	22.35	492.79	660.01	624.79	35.22	18.741	
12,300.00	12,056.82	12,214.72	12,056.55	22.26	17.74	89.97	-20.48	493.16	660.01	624.80	35.20	18.748	
12,350.00	12,078.85	12,264.69	12,078.45	22.35	17.82	89.96	-65.37	493.55	660.01	624.77	35.23	18.733	
12,400.00	12,096.88	12,314.64	12,096.34	22.47	17.90	89.95	-111.99	493.95	660.01	624.70	35.31	18.691	
12,450.00	12,110.78	12,364.59	12,110.11	22.60	18.00	89.94	-159.99	494.36	660.01	624.56	35.44	18.623	
12,500.00	12,120.45	12,414.52	12,119.64	22.75	18.11	89.93	-208.98	494.78	660.01	624.38	35.63	18.526	
12,550.00	12,125.80	12,464.45	12,124.88	22.93	18.24	89.92	-258.61	495.21	660.01	624.14	35.86	18.403	
12,581.47	12,126.94	12,495.87	12,125.95	23.05	18.33	89.91	-290.01	495.48	660.01	623.97	36.04	18.315	
12,600.00	12,127.10	12,514.40	12,126.11	23.12	18.39	89.91	-308.54	495.64	660.01	623.85	36.16	18.254	
12,700.00	12,127.97	12,614.40	12,126.98	23.56	18.74	89.91	-408.53	496.50	660.01	623.10	36.91	17.881	
12,800.00	12,128.84	12,714.40	12,127.85	24.06	19.17	89.91	-508.52	497.36	660.01	622.16	37.85	17.437	
12,900.00	12,129.71	12,814.40	12,128.72	24.61	19.67	89.91	-608.52	498.22	660.01	621.05	38.96	16.941	
13,000.00	12,130.58	12,914.40	12,129.59	25.21	20.24	89.91	-708.51	499.08	660.01	619.78	40.23	16.407	
13,100.00	12,131.46	13,014.40	12,130.47	25.87	20.89	89.91	-808.50	499.95	660.01	618.37	41.63	15.852	
13,200.00	12,132.33	13,114.40	12,131.34	26.56	21.61	89.91	-908.49	500.81	660.01	616.84	43.17	15.288	
13,300.00	12,133.20	13,214.40	12,132.21	27.30	22.39	89.91	-1,008.49	501.67	660.01	615.19	44.82	14.725	
13,400.00	12,134.07	13,314.40	12,133.08	28.08	23.23	89.91	-1,108.48	502.53	660.01	613.43	46.58	14.170	
13,500.00	12,134.94	13,414.40	12,133.95	28.90	24.12	89.91	-1,208.47	503.39	660.01	611.59	48.42	13.630	
13,600.00	12,135.81	13,514.40	12,134.82	29.75	25.06	89.91	-1,308.46	504.25	660.01	609.66	50.35	13.108	
13,700.00	12,136.69	13,614.40	12,135.69	30.63	26.03	89.91	-1,408.46	505.11	660.01	607.66	52.35	12.607	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,137.56	13,714.40	12,136.56	31.55	27.04	89.91	-1,508.45	505.97	660.01	605.60	54.41	12.129	
13,900.00	12,138.43	13,814.40	12,137.44	32.50	28.09	89.91	-1,608.44	506.83	660.01	603.47	56.54	11.674	
14,000.00	12,139.30	13,914.40	12,138.31	33.47	29.16	89.91	-1,708.43	507.69	660.01	601.30	58.71	11.242	
14,100.00	12,140.17	14,014.40	12,139.18	34.47	30.25	89.91	-1,808.43	508.55	660.01	599.08	60.93	10.833	
14,200.00	12,141.04	14,114.40	12,140.05	35.49	31.37	89.91	-1,908.42	509.42	660.01	596.83	63.19	10.446	
14,300.00	12,141.92	14,214.40	12,140.92	36.53	32.51	89.91	-2,008.41	510.28	660.01	594.53	65.48	10.079	
14,400.00	12,142.79	14,314.40	12,141.79	37.59	33.67	89.91	-2,108.40	511.14	660.01	592.20	67.81	9.733	
14,500.00	12,143.66	14,414.40	12,142.66	38.67	34.84	89.91	-2,208.40	512.00	660.01	589.85	70.17	9.406	
14,600.00	12,144.53	14,514.40	12,143.54	39.77	36.03	89.91	-2,308.39	512.86	660.01	587.46	72.55	9.097	
14,700.00	12,145.40	14,614.40	12,144.41	40.88	37.22	89.91	-2,408.38	513.72	660.01	585.05	74.96	8.805	
14,800.00	12,146.27	14,714.40	12,145.28	42.01	38.44	89.91	-2,508.37	514.58	660.01	582.62	77.39	8.528	
14,900.00	12,147.14	14,814.40	12,146.15	43.15	39.66	89.91	-2,608.37	515.44	660.01	580.17	79.84	8.266	
15,000.00	12,148.02	14,914.40	12,147.02	44.31	40.89	89.91	-2,708.36	516.30	660.01	577.70	82.31	8.018	
15,100.00	12,148.89	15,014.40	12,147.89	45.47	42.13	89.91	-2,808.35	517.16	660.01	575.22	84.80	7.783	
15,200.00	12,149.76	15,114.40	12,148.76	46.65	43.38	89.91	-2,908.34	518.03	660.01	572.72	87.30	7.560	
15,300.00	12,150.63	15,214.40	12,149.64	47.83	44.63	89.91	-3,008.34	518.89	660.01	570.20	89.81	7.349	
15,400.00	12,151.50	15,314.40	12,150.51	49.03	45.90	89.91	-3,108.33	519.75	660.02	567.67	92.34	7.148	
15,500.00	12,152.37	15,414.40	12,151.38	50.23	47.16	89.91	-3,208.32	520.61	660.02	565.14	94.88	6.956	
15,600.00	12,153.25	15,514.40	12,152.25	51.45	48.44	89.91	-3,308.31	521.47	660.02	562.59	97.43	6.774	
15,700.00	12,154.12	15,614.40	12,153.12	52.67	49.72	89.91	-3,408.31	522.33	660.02	560.03	99.99	6.601	
15,800.00	12,154.99	15,714.40	12,153.99	53.89	51.00	89.91	-3,508.30	523.19	660.02	557.46	102.56	6.435	
15,900.00	12,155.86	15,814.40	12,154.86	55.13	52.29	89.91	-3,608.29	524.05	660.02	554.88	105.14	6.278	
16,000.00	12,156.73	15,914.40	12,155.74	56.37	53.58	89.91	-3,708.28	524.91	660.02	552.29	107.72	6.127	
16,100.00	12,157.60	16,014.40	12,156.61	57.61	54.88	89.91	-3,808.28	525.77	660.02	549.70	110.32	5.983	
16,200.00	12,158.48	16,114.40	12,157.48	58.86	56.18	89.91	-3,908.27	526.64	660.02	547.10	112.92	5.845	
16,300.00	12,159.35	16,214.40	12,158.35	60.12	57.48	89.91	-4,008.26	527.50	660.02	544.50	115.52	5.713	
16,400.00	12,160.22	16,314.40	12,159.22	61.38	58.79	89.91	-4,108.25	528.36	660.02	541.88	118.14	5.587	
16,500.00	12,161.09	16,414.40	12,160.09	62.65	60.10	89.91	-4,208.25	529.22	660.02	539.26	120.75	5.466	
16,600.00	12,161.96	16,514.40	12,160.96	63.92	61.41	89.91	-4,308.24	530.08	660.02	536.64	123.38	5.350	
16,700.00	12,162.83	16,614.40	12,161.84	65.19	62.72	89.91	-4,408.23	530.94	660.02	534.01	126.01	5.238	
16,800.00	12,163.71	16,714.40	12,162.71	66.47	64.04	89.91	-4,508.22	531.80	660.02	531.38	128.64	5.131	
16,900.00	12,164.58	16,814.40	12,163.58	67.75	65.36	89.91	-4,608.22	532.66	660.02	528.74	131.28	5.028	
17,000.00	12,165.45	16,914.40	12,164.45	69.04	66.68	89.91	-4,708.21	533.52	660.02	526.10	133.92	4.929	
17,100.00	12,166.32	17,014.40	12,165.32	70.32	68.00	89.91	-4,808.20	534.38	660.02	523.46	136.56	4.833	
17,200.00	12,167.19	17,114.40	12,166.19	71.61	69.33	89.91	-4,908.19	535.25	660.02	520.81	139.21	4.741	
17,300.00	12,168.06	17,214.40	12,167.06	72.91	70.65	89.91	-5,008.19	536.11	660.02	518.16	141.86	4.652	
17,400.00	12,168.94	17,314.40	12,167.94	74.21	71.98	89.91	-5,108.18	536.97	660.02	515.50	144.52	4.567	
17,500.00	12,169.81	17,414.40	12,168.81	75.50	73.31	89.91	-5,208.17	537.83	660.02	512.84	147.18	4.484	
17,600.00	12,170.68	17,514.40	12,169.68	76.81	74.64	89.91	-5,308.16	538.69	660.02	510.18	149.84	4.405	
17,700.00	12,171.55	17,614.40	12,170.55	78.11	75.97	89.91	-5,408.16	539.55	660.02	507.52	152.51	4.328	
17,800.00	12,172.42	17,714.40	12,171.42	79.42	77.31	89.91	-5,508.15	540.41	660.02	504.85	155.17	4.253	
17,900.00	12,173.29	17,814.40	12,172.29	80.72	78.64	89.91	-5,608.14	541.27	660.02	502.18	157.84	4.182	
18,000.00	12,174.17	17,914.40	12,173.16	82.03	79.98	89.91	-5,708.13	542.13	660.02	499.51	160.51	4.112	
18,100.00	12,175.04	18,014.40	12,174.04	83.35	81.32	89.91	-5,808.13	542.99	660.02	496.84	163.19	4.045	
18,200.00	12,175.91	18,114.40	12,174.91	84.66	82.66	89.91	-5,908.12	543.86	660.02	494.16	165.86	3.979	
18,300.00	12,176.78	18,214.40	12,175.78	85.98	83.99	89.91	-6,008.11	544.72	660.02	491.48	168.54	3.916	
18,400.00	12,177.65	18,314.40	12,176.65	87.29	85.34	89.91	-6,108.10	545.58	660.02	488.80	171.22	3.855	
18,500.00	12,178.52	18,414.40	12,177.52	88.61	86.68	89.91	-6,208.10	546.44	660.02	486.12	173.90	3.795	
18,600.00	12,179.39	18,514.40	12,178.39	89.93	88.02	89.91	-6,308.09	547.30	660.02	483.44	176.59	3.738	
18,700.00	12,180.27	18,614.40	12,179.26	91.26	89.36	89.91	-6,408.08	548.16	660.03	480.75	179.27	3.682	
18,800.00	12,181.14	18,714.40	12,180.13	92.58	90.71	89.91	-6,508.07	549.02	660.03	478.06	181.96	3.627	
18,900.00	12,182.01	18,814.40	12,181.01	93.90	92.05	89.91	-6,608.07	549.88	660.03	475.38	184.65	3.574	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	12,182.88	18,914.40	12,181.88	95.23	93.40	89.91	-6,708.06	550.74	660.03	472.69	187.34	3.523	
19,100.00	12,183.75	19,014.40	12,182.75	96.56	94.74	89.91	-6,808.05	551.60	660.03	469.99	190.03	3.473	
19,200.00	12,184.62	19,114.40	12,183.62	97.89	96.09	89.91	-6,908.04	552.47	660.03	467.30	192.72	3.425	
19,300.00	12,185.50	19,214.40	12,184.49	99.22	97.44	89.91	-7,008.04	553.33	660.03	464.61	195.42	3.377	
19,400.00	12,186.37	19,314.40	12,185.36	100.55	98.78	89.91	-7,108.03	554.19	660.03	461.91	198.11	3.332	
19,500.00	12,187.24	19,414.40	12,186.23	101.88	100.13	89.91	-7,208.02	555.05	660.03	459.22	200.81	3.287	
19,600.00	12,188.11	19,514.40	12,187.11	103.21	101.48	89.91	-7,308.01	555.91	660.03	456.52	203.51	3.243	
19,700.00	12,188.98	19,614.40	12,187.98	104.54	102.83	89.91	-7,408.01	556.77	660.03	453.82	206.21	3.201	
19,800.00	12,189.85	19,714.40	12,188.85	105.88	104.18	89.91	-7,508.00	557.63	660.03	451.12	208.91	3.159	
19,900.00	12,190.73	19,814.40	12,189.72	107.21	105.53	89.91	-7,607.99	558.49	660.03	448.42	211.61	3.119	
20,000.00	12,191.60	19,914.40	12,190.59	108.55	106.88	89.91	-7,707.98	559.35	660.03	445.72	214.31	3.080	
20,100.00	12,192.47	20,014.40	12,191.46	109.89	108.24	89.91	-7,807.98	560.21	660.03	443.02	217.01	3.041	
20,200.00	12,193.34	20,114.40	12,192.33	111.23	109.59	89.91	-7,907.97	561.08	660.03	440.31	219.72	3.004	
20,300.00	12,194.21	20,214.40	12,193.21	112.56	110.94	89.91	-8,007.96	561.94	660.03	437.61	222.42	2.967	
20,400.00	12,195.08	20,314.40	12,194.08	113.90	112.29	89.91	-8,107.95	562.80	660.03	434.90	225.13	2.932	
20,500.00	12,195.96	20,414.40	12,194.95	115.24	113.65	89.91	-8,207.95	563.66	660.03	432.20	227.83	2.897	
20,600.00	12,196.83	20,514.40	12,195.82	116.58	115.00	89.91	-8,307.94	564.52	660.03	429.49	230.54	2.863	
20,700.00	12,197.70	20,614.40	12,196.69	117.93	116.36	89.91	-8,407.93	565.38	660.03	426.78	233.25	2.830	
20,800.00	12,198.57	20,714.40	12,197.56	119.27	117.71	89.91	-8,507.92	566.24	660.03	424.07	235.96	2.797	
20,900.00	12,199.44	20,814.40	12,198.43	120.61	119.07	89.91	-8,607.92	567.10	660.03	421.36	238.67	2.765	
21,000.00	12,200.31	20,914.40	12,199.31	121.95	120.42	89.91	-8,707.91	567.96	660.03	418.65	241.38	2.734	
21,100.00	12,201.19	21,014.40	12,200.18	123.30	121.78	89.91	-8,807.90	568.82	660.03	415.94	244.09	2.704	
21,200.00	12,202.06	21,114.40	12,201.05	124.64	123.13	89.91	-8,907.89	569.68	660.03	413.23	246.80	2.674	
21,300.00	12,202.93	21,214.40	12,201.92	125.99	124.49	89.91	-9,007.89	570.55	660.03	410.52	249.51	2.645	
21,400.00	12,203.80	21,314.40	12,202.79	127.33	125.85	89.91	-9,107.88	571.41	660.03	407.81	252.22	2.617	
21,500.00	12,204.67	21,414.40	12,203.66	128.68	127.20	89.91	-9,207.87	572.27	660.03	405.10	254.94	2.589	
21,600.00	12,205.54	21,514.40	12,204.53	130.03	128.56	89.91	-9,307.86	573.13	660.03	402.38	257.65	2.562	
21,700.00	12,206.41	21,614.40	12,205.41	131.37	129.92	89.91	-9,407.86	573.99	660.03	399.67	260.36	2.535	
21,800.00	12,207.29	21,714.40	12,206.28	132.72	131.27	89.91	-9,507.85	574.85	660.03	396.95	263.08	2.509	
21,900.00	12,208.16	21,814.40	12,207.15	134.07	132.63	89.91	-9,607.84	575.71	660.03	394.24	265.79	2.483	
22,000.00	12,209.03	21,914.40	12,208.02	135.42	133.99	89.91	-9,707.83	576.57	660.04	391.52	268.51	2.458	
22,100.00	12,209.90	22,014.40	12,208.89	136.77	135.35	89.91	-9,807.83	577.43	660.04	388.81	271.23	2.434	
22,200.00	12,210.77	22,114.40	12,209.76	138.12	136.71	89.91	-9,907.82	578.29	660.04	386.09	273.94	2.409	
22,300.00	12,211.64	22,214.40	12,210.63	139.47	138.07	89.91	-10,007.81	579.16	660.04	383.38	276.66	2.386	
22,400.00	12,212.52	22,314.40	12,211.51	140.82	139.43	89.91	-10,107.80	580.02	660.04	380.66	279.38	2.363	
22,500.00	12,213.39	22,414.40	12,212.38	142.17	140.78	89.91	-10,207.80	580.88	660.04	377.94	282.10	2.340	
22,512.90	12,213.50	22,427.29	12,212.49	142.34	140.96	89.91	-10,220.69	580.99	660.04	377.59	282.45	2.337	SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
800.00	798.94	913.38	913.27	3.50	3.74	-7.22	876.07	2,290.65	2,426.18	2,418.99	7.19	337.478	
900.00	898.56	1,074.68	1,074.10	3.74	4.02	-7.10	866.00	2,283.80	2,411.16	2,403.48	7.68	313.865	
1,000.00	998.18	1,173.35	1,172.40	3.97	4.19	-7.00	858.89	2,278.97	2,395.41	2,387.33	8.08	296.397	
1,100.00	1,097.80	1,293.67	1,292.24	4.20	4.33	-6.88	850.02	2,272.94	2,379.57	2,371.13	8.44	281.970	
1,200.00	1,197.42	1,492.88	1,489.88	4.42	4.79	-6.58	829.57	2,259.04	2,360.83	2,351.76	9.07	260.294	
1,300.00	1,297.04	1,602.79	1,598.45	4.64	4.96	-6.36	815.43	2,249.42	2,339.55	2,330.10	9.45	247.669	
1,400.00	1,396.66	1,700.17	1,694.63	4.86	5.15	-6.16	802.83	2,240.86	2,318.27	2,308.41	9.85	235.299	
1,500.00	1,496.28	1,797.55	1,790.82	5.07	5.34	-5.96	790.24	2,232.30	2,297.01	2,286.75	10.26	223.951	
1,600.00	1,595.90	1,894.93	1,887.00	5.28	5.52	-5.75	777.64	2,223.74	2,275.78	2,265.12	10.66	213.496	
1,700.00	1,695.52	1,992.31	1,983.18	5.48	5.71	-5.54	765.05	2,215.18	2,254.58	2,243.52	11.06	203.830	
1,800.00	1,795.14	2,089.69	2,079.36	5.69	5.90	-5.32	752.46	2,206.62	2,233.41	2,221.95	11.46	194.863	
1,900.00	1,894.76	2,187.07	2,175.55	5.89	6.09	-5.10	739.86	2,198.06	2,212.27	2,200.41	11.86	186.520	
2,000.00	1,994.38	2,284.45	2,271.73	6.09	6.28	-4.87	727.27	2,189.50	2,191.17	2,178.91	12.26	178.736	
2,100.00	2,094.00	2,381.83	2,367.91	6.29	6.48	-4.65	714.68	2,180.94	2,170.09	2,157.44	12.66	171.455	
2,200.00	2,193.62	2,479.21	2,464.09	6.50	6.67	-4.41	702.08	2,172.38	2,149.05	2,135.99	13.06	164.494	
2,206.41	2,200.00	2,485.45	2,470.26	6.52	6.68	-4.40	701.28	2,171.83	2,147.71	2,134.61	13.09	164.062	
2,300.00	2,293.13	2,576.35	2,560.04	6.72	6.86	-4.20	689.52	2,163.84	2,126.93	2,113.46	13.48	157.815	
2,400.00	2,392.34	2,672.90	2,655.40	6.95	7.05	-3.99	677.03	2,155.35	2,102.31	2,088.41	13.91	151.167	
2,500.00	2,491.20	2,768.79	2,750.11	7.18	7.24	-3.79	664.63	2,146.93	2,075.20	2,060.87	14.34	144.752	
2,600.00	2,589.63	2,863.96	2,844.11	7.41	7.43	-3.58	652.33	2,138.56	2,045.62	2,030.86	14.76	138.556	
2,700.00	2,687.57	2,958.35	2,937.33	7.65	7.63	-3.37	640.12	2,130.26	2,013.59	1,998.40	15.19	132.544	
2,800.00	2,784.94	3,051.88	3,029.71	7.88	7.83	-3.16	628.02	2,122.04	1,979.12	1,963.51	15.62	126.740	
2,873.30	2,855.92	3,119.85	3,096.85	8.02	7.99	-3.00	619.23	2,116.07	1,952.33	1,936.43	15.90	122.811	
2,900.00	2,881.71	3,144.52	3,121.22	8.06	8.04	-2.93	616.04	2,113.90	1,942.33	1,926.34	15.99	121.479	
3,000.00	2,978.30	3,236.91	3,212.47	8.28	8.25	-2.68	604.09	2,105.78	1,904.92	1,888.54	16.39	116.251	
3,100.00	3,074.89	3,329.31	3,303.73	8.49	8.45	-2.41	592.15	2,097.65	1,867.55	1,850.76	16.79	111.261	
3,200.00	3,171.49	3,421.70	3,394.99	8.71	8.66	-2.13	580.20	2,089.53	1,830.21	1,813.02	17.19	106.496	
3,300.00	3,268.08	3,514.09	3,486.24	8.93	8.87	-1.85	568.25	2,081.41	1,792.91	1,775.32	17.59	101.942	
3,400.00	3,364.67	3,606.48	3,577.50	9.16	9.07	-1.54	556.30	2,073.29	1,755.65	1,737.66	17.99	97.586	
3,500.00	3,461.26	3,698.87	3,668.75	9.42	9.28	-1.23	544.35	2,065.17	1,718.43	1,700.04	18.40	93.417	
3,600.00	3,557.85	3,791.27	3,760.01	9.70	9.49	-0.90	532.40	2,057.04	1,681.26	1,662.46	18.80	89.423	
3,700.00	3,654.44	3,883.66	3,851.26	10.00	9.70	-0.56	520.45	2,048.92	1,644.14	1,624.94	19.21	85.595	
3,800.00	3,751.03	3,976.05	3,942.52	10.30	9.91	-0.20	508.51	2,040.80	1,607.08	1,587.46	19.62	81.924	
3,900.00	3,847.62	4,068.44	4,033.77	10.61	10.12	0.17	496.56	2,032.68	1,570.07	1,550.04	20.03	78.400	
4,000.00	3,944.21	4,160.84	4,125.03	10.93	10.32	0.56	484.61	2,024.56	1,533.12	1,512.69	20.44	75.016	
4,100.00	4,040.80	4,253.23	4,216.28	11.25	10.53	0.98	472.66	2,016.44	1,496.24	1,475.39	20.85	71.765	
4,200.00	4,137.40	4,345.62	4,307.54	11.57	10.74	1.41	460.71	2,008.31	1,459.43	1,438.17	21.26	68.638	
4,300.00	4,233.99	4,438.01	4,398.80	11.89	10.95	1.86	448.76	2,000.19	1,422.70	1,401.02	21.68	65.631	
4,400.00	4,330.58	4,530.40	4,490.05	12.21	11.16	2.34	436.81	1,992.07	1,386.05	1,363.96	22.09	62.736	
4,500.00	4,427.17	4,622.80	4,581.31	12.54	11.37	2.84	424.87	1,983.95	1,349.49	1,326.98	22.51	59.948	
4,600.00	4,523.76	4,715.19	4,672.56	12.87	11.58	3.37	412.92	1,975.83	1,313.02	1,290.09	22.93	57.262	
4,700.00	4,620.35	4,807.58	4,763.82	13.20	11.79	3.93	400.97	1,967.71	1,276.66	1,253.31	23.35	54.673	
4,800.00	4,716.94	4,899.97	4,855.07	13.53	12.00	4.53	389.02	1,959.58	1,240.42	1,216.64	23.77	52.177	
4,900.00	4,813.53	4,992.36	4,946.33	13.86	12.21	5.16	377.07	1,951.46	1,204.29	1,180.10	24.20	49.768	
5,000.00	4,910.12	5,084.76	5,037.58	14.19	12.42	5.82	365.12	1,943.34	1,168.31	1,143.68	24.62	47.445	
5,100.00	5,006.72	5,177.15	5,128.84	14.53	12.63	6.53	353.18	1,935.22	1,132.47	1,107.42	25.05	45.201	
5,200.00	5,103.31	5,269.54	5,220.10	14.86	12.84	7.28	341.23	1,927.10	1,096.80	1,071.31	25.49	43.035	
5,300.00	5,199.90	5,361.93	5,311.35	15.20	13.04	8.08	329.28	1,918.98	1,061.31	1,035.40	25.91	40.963	
5,400.00	5,296.49	5,442.41	5,390.93	15.53	13.20	8.80	319.38	1,912.25	1,026.48	1,000.15	26.33	38.982	
5,500.00	5,393.08	5,522.26	5,470.13	15.87	13.36	9.47	310.92	1,906.49	993.07	966.31	26.76	37.105	
5,600.00	5,489.67	5,600.00	5,547.41	16.21	13.51	10.08	303.99	1,901.79	961.08	933.89	27.19	35.352	
5,700.00	5,586.26	5,685.23	5,632.32	16.55	13.64	10.71	297.90	1,897.65	930.47	902.87	27.59	33.724	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,800.00	5,682.85	5,768.23	5,715.15	16.89	13.76	11.25	293.48	1,894.64	901.23	873.25	27.98	32.208	
5,900.00	5,779.44	5,852.17	5,799.01	17.23	13.86	11.73	290.52	1,892.63	873.35	844.99	28.36	30.798	
5,915.24	5,794.17	5,865.04	5,811.87	17.27	13.87	11.80	290.20	1,892.41	869.21	840.81	28.41	30.599	
6,000.00	5,876.27	5,937.19	5,884.01	17.54	13.93	12.06	289.07	1,891.65	847.68	819.00	28.68	29.552	
6,100.00	5,973.71	6,029.90	5,976.71	17.85	13.96	12.31	288.93	1,891.55	825.59	796.63	28.96	28.511	
6,200.00	6,071.71	6,127.89	6,074.71	18.12	13.99	12.55	288.93	1,891.55	806.13	776.91	29.22	27.586	
6,300.00	6,170.19	6,226.38	6,173.19	18.37	14.02	12.76	288.93	1,891.55	789.21	759.73	29.48	26.770	
6,400.00	6,269.10	6,325.28	6,272.10	18.59	14.05	12.95	288.93	1,891.55	774.82	745.09	29.73	26.061	
6,500.00	6,368.35	6,424.54	6,371.35	18.78	14.09	13.12	288.93	1,891.55	762.97	733.00	29.97	25.455	
6,600.00	6,467.89	6,524.08	6,470.89	18.94	14.12	13.25	288.93	1,891.55	753.67	723.46	30.20	24.952	
6,700.00	6,567.65	6,623.83	6,570.65	19.07	14.16	13.35	288.93	1,891.55	746.91	716.49	30.42	24.550	
6,800.00	6,667.55	6,723.73	6,670.55	19.18	14.19	13.41	288.93	1,891.55	742.70	712.07	30.63	24.249	
6,900.00	6,767.53	6,823.72	6,770.53	19.26	14.23	13.44	288.93	1,891.55	741.03	710.23	30.80	24.056	
6,915.47	6,783.00	6,839.18	6,786.00	19.26	14.23	89.59	288.93	1,891.55	741.00	710.18	30.82	24.045	
7,000.00	6,867.53	6,923.72	6,870.53	19.30	14.26	89.59	288.93	1,891.55	741.00	710.12	30.88	23.995	
7,100.00	6,967.53	7,023.72	6,970.53	19.35	14.30	89.59	288.93	1,891.55	741.00	710.03	30.97	23.928	
7,200.00	7,067.53	7,123.72	7,070.53	19.40	14.34	89.59	288.93	1,891.55	741.00	709.94	31.05	23.861	
7,300.00	7,167.53	7,223.72	7,170.53	19.45	14.38	89.59	288.93	1,891.55	741.00	709.86	31.14	23.794	
7,400.00	7,267.53	7,323.72	7,270.53	19.50	14.41	89.59	288.93	1,891.55	741.00	709.77	31.23	23.726	
7,500.00	7,367.53	7,423.72	7,370.53	19.55	14.45	89.59	288.93	1,891.55	741.00	709.68	31.32	23.659	
7,600.00	7,467.53	7,523.72	7,470.53	19.60	14.49	89.59	288.93	1,891.55	741.00	709.59	31.41	23.592	
7,700.00	7,567.53	7,623.72	7,570.53	19.65	14.53	89.59	288.93	1,891.55	741.00	709.50	31.50	23.524	
7,800.00	7,667.53	7,723.72	7,670.53	19.71	14.57	89.59	288.93	1,891.55	741.00	709.41	31.59	23.457	
7,900.00	7,767.53	7,823.72	7,770.53	19.76	14.61	89.59	288.93	1,891.55	741.00	709.32	31.68	23.389	
8,000.00	7,867.53	7,923.72	7,870.53	19.81	14.65	89.59	288.93	1,891.55	741.00	709.23	31.77	23.321	
8,100.00	7,967.53	8,023.72	7,970.53	19.86	14.69	89.59	288.93	1,891.55	741.00	709.13	31.87	23.254	
8,200.00	8,067.53	8,123.72	8,070.53	19.92	14.73	89.59	288.93	1,891.55	741.00	709.04	31.96	23.186	
8,300.00	8,167.53	8,223.72	8,170.53	19.97	14.77	89.59	288.93	1,891.55	741.00	708.95	32.05	23.118	
8,400.00	8,267.53	8,323.72	8,270.53	20.02	14.81	89.59	288.93	1,891.55	741.00	708.85	32.15	23.051	
8,500.00	8,367.53	8,423.72	8,370.53	20.08	14.85	89.59	288.93	1,891.55	741.00	708.76	32.24	22.983	
8,600.00	8,467.53	8,523.72	8,470.53	20.13	14.90	89.59	288.93	1,891.55	741.00	708.66	32.34	22.915	
8,700.00	8,567.53	8,623.72	8,570.53	20.18	14.94	89.59	288.93	1,891.55	741.00	708.57	32.43	22.848	
8,800.00	8,667.53	8,723.72	8,670.53	20.24	14.98	89.59	288.93	1,891.55	741.00	708.47	32.53	22.780	
8,900.00	8,767.53	8,823.72	8,770.53	20.29	15.02	89.59	288.93	1,891.55	741.00	708.37	32.63	22.712	
9,000.00	8,867.53	8,923.72	8,870.53	20.35	15.07	89.59	288.93	1,891.55	741.00	708.28	32.72	22.645	
9,100.00	8,967.53	9,023.72	8,970.53	20.40	15.11	89.59	288.93	1,891.55	741.00	708.18	32.82	22.577	
9,200.00	9,067.53	9,123.72	9,070.53	20.45	15.16	89.59	288.93	1,891.55	741.00	708.08	32.92	22.510	
9,300.00	9,167.53	9,223.72	9,170.53	20.51	15.20	89.59	288.93	1,891.55	741.00	707.98	33.02	22.442	
9,400.00	9,267.53	9,323.72	9,270.53	20.56	15.25	89.59	288.93	1,891.55	741.00	707.88	33.12	22.375	
9,500.00	9,367.53	9,423.72	9,370.53	20.62	15.29	89.59	288.93	1,891.55	741.00	707.78	33.22	22.307	
9,600.00	9,467.53	9,523.72	9,470.53	20.68	15.34	89.59	288.93	1,891.55	741.00	707.68	33.32	22.240	
9,700.00	9,567.53	9,623.72	9,570.53	20.73	15.38	89.59	288.93	1,891.55	741.00	707.58	33.42	22.173	
9,800.00	9,667.53	9,723.72	9,670.53	20.79	15.43	89.59	288.93	1,891.55	741.00	707.48	33.52	22.106	
9,900.00	9,767.53	9,823.72	9,770.53	20.84	15.48	89.59	288.93	1,891.55	741.00	707.38	33.62	22.039	
10,000.00	9,867.53	9,923.72	9,870.53	20.90	15.52	89.59	288.93	1,891.55	741.00	707.27	33.73	21.972	
10,100.00	9,967.53	10,023.72	9,970.53	20.95	15.57	89.59	288.93	1,891.55	741.00	707.17	33.83	21.905	
10,200.00	10,067.53	10,123.72	10,070.53	21.01	15.62	89.59	288.93	1,891.55	741.00	707.07	33.93	21.838	
10,300.00	10,167.53	10,223.72	10,170.53	21.07	15.67	89.59	288.93	1,891.55	741.00	706.96	34.04	21.771	
10,400.00	10,267.53	10,323.72	10,270.53	21.12	15.72	89.59	288.93	1,891.55	741.00	706.86	34.14	21.705	
10,500.00	10,367.53	10,423.72	10,370.53	21.18	15.76	89.59	288.93	1,891.55	741.00	706.75	34.24	21.638	
10,600.00	10,467.53	10,523.72	10,470.53	21.24	15.81	89.59	288.93	1,891.55	741.00	706.65	34.35	21.572	
10,700.00	10,567.53	10,623.72	10,570.53	21.30	15.86	89.59	288.93	1,891.55	741.00	706.54	34.46	21.506	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,800.00	10,667.53	10,723.72	10,670.53	21.35	15.91	89.59	288.93	1,891.55	741.00	706.44	34.56	21.440	
10,900.00	10,767.53	10,823.72	10,770.53	21.41	15.96	89.59	288.93	1,891.55	741.00	706.33	34.67	21.374	
11,000.00	10,867.53	10,923.72	10,870.53	21.47	16.01	89.59	288.93	1,891.55	741.00	706.22	34.78	21.308	
11,100.00	10,967.53	11,023.72	10,970.53	21.53	16.06	89.59	288.93	1,891.55	741.00	706.12	34.88	21.242	
11,200.00	11,067.53	11,123.72	11,070.53	21.58	16.11	89.59	288.93	1,891.55	741.00	706.01	34.99	21.177	
11,300.00	11,167.53	11,223.72	11,170.53	21.64	16.17	89.59	288.93	1,891.55	741.00	705.90	35.10	21.111	
11,400.00	11,267.53	11,323.72	11,270.53	21.70	16.22	89.59	288.93	1,891.55	741.00	705.79	35.21	21.046	
11,500.00	11,367.53	11,423.72	11,370.53	21.76	16.27	89.59	288.93	1,891.55	741.00	705.68	35.32	20.981	
11,600.00	11,467.53	11,523.72	11,470.53	21.82	16.31	89.59	288.93	1,891.55	741.00	705.58	35.42	20.919	
11,686.47	11,554.00	11,612.93	11,559.63	21.86	16.40	89.84	285.71	1,891.45	740.89	705.38	35.51	20.863	
11,700.00	11,567.53	11,626.98	11,573.58	21.86	16.43	-89.56	284.06	1,891.40	740.84	705.31	35.53	20.853	
11,750.00	11,617.40	11,678.55	11,624.34	21.90	16.53	-89.16	275.06	1,891.13	740.55	704.97	35.59	20.809	
11,800.00	11,666.79	11,729.60	11,673.60	21.93	16.66	-88.76	261.69	1,890.72	740.14	704.47	35.67	20.751	
11,850.00	11,715.32	11,780.14	11,720.99	21.95	16.80	-88.38	244.20	1,890.18	739.60	703.83	35.77	20.678	
11,900.00	11,762.62	11,830.17	11,766.21	21.97	16.96	-88.01	222.84	1,889.53	738.93	703.05	35.89	20.590	
11,950.00	11,808.34	11,879.72	11,808.98	21.99	17.13	-87.65	197.88	1,888.77	738.15	702.12	36.03	20.487	
12,000.00	11,852.12	11,928.79	11,849.07	22.01	17.33	-87.32	169.61	1,887.90	737.26	701.07	36.20	20.368	
12,050.00	11,893.63	11,977.41	11,886.25	22.03	17.56	-87.00	138.32	1,886.95	736.27	699.87	36.39	20.231	
12,100.00	11,932.55	12,025.59	11,920.35	22.05	17.82	-86.71	104.32	1,885.91	735.17	698.55	36.62	20.077	
12,150.00	11,968.60	12,073.37	11,951.23	22.09	18.12	-86.45	67.89	1,884.80	733.98	697.10	36.88	19.903	
12,200.00	12,001.49	12,120.76	11,978.75	22.13	18.44	-86.20	29.34	1,883.62	732.70	695.52	37.17	19.710	
12,250.00	12,030.97	12,167.80	12,002.82	22.19	18.80	-85.99	-11.04	1,882.39	731.33	693.82	37.51	19.496	
12,300.00	12,056.82	12,214.51	12,023.36	22.26	19.17	-85.81	-52.95	1,881.10	729.88	691.99	37.89	19.264	
12,350.00	12,078.85	12,260.91	12,040.33	22.35	19.58	-85.65	-96.11	1,879.79	728.37	690.06	38.31	19.012	
12,400.00	12,096.88	12,307.04	12,053.67	22.47	20.00	-85.52	-140.23	1,878.44	726.78	688.01	38.77	18.744	
12,450.00	12,110.78	12,352.93	12,063.38	22.60	20.43	-85.43	-185.05	1,877.07	725.14	685.86	39.28	18.461	
12,500.00	12,120.45	12,400.00	12,069.58	22.75	20.90	-85.36	-231.67	1,875.64	723.45	683.62	39.84	18.161	
12,550.00	12,125.80	12,444.07	12,071.90	22.93	21.34	-85.34	-275.65	1,874.30	721.72	681.31	40.41	17.861	
12,581.47	12,126.94	12,469.70	12,072.09	23.05	21.61	-85.38	-301.27	1,873.60	720.66	679.89	40.77	17.676	
12,600.00	12,127.10	12,484.51	12,072.20	23.12	21.76	-85.37	-316.07	1,873.30	720.13	679.14	40.98	17.571	
12,696.04	12,127.93	12,561.66	12,072.74	23.54	22.57	-85.36	-393.22	1,872.96	718.89	676.69	42.20	17.035	CC
12,700.00	12,127.97	12,565.19	12,072.76	23.56	22.60	-85.36	-396.75	1,872.99	718.89	676.64	42.26	17.013	
12,800.00	12,128.84	12,665.19	12,073.46	24.06	23.68	-85.34	-496.74	1,873.90	718.95	675.17	43.78	16.421	
12,900.00	12,129.71	12,765.19	12,074.16	24.61	24.78	-85.33	-596.74	1,874.80	719.01	673.59	45.42	15.830	
13,000.00	12,130.58	12,865.19	12,074.86	25.21	25.91	-85.32	-696.73	1,875.71	719.07	671.91	47.16	15.249	
13,100.00	12,131.46	12,965.19	12,075.55	25.87	27.06	-85.30	-796.72	1,876.62	719.13	670.15	48.98	14.682	
13,200.00	12,132.33	13,065.19	12,076.25	26.56	28.23	-85.29	-896.72	1,877.52	719.19	668.30	50.89	14.133	
13,300.00	12,133.20	13,165.19	12,076.95	27.30	29.42	-85.27	-996.71	1,878.43	719.25	666.38	52.87	13.605	
13,400.00	12,134.07	13,265.19	12,077.65	28.08	30.62	-85.26	-1,096.70	1,879.34	719.31	664.40	54.91	13.099	
13,500.00	12,134.94	13,365.19	12,078.35	28.90	31.84	-85.25	-1,196.70	1,880.24	719.37	662.35	57.02	12.617	
13,600.00	12,135.81	13,465.19	12,079.05	29.75	33.06	-85.23	-1,296.69	1,881.15	719.43	660.26	59.17	12.158	
13,700.00	12,136.69	13,565.19	12,079.74	30.63	34.30	-85.22	-1,396.68	1,882.06	719.49	658.11	61.37	11.723	
13,800.00	12,137.56	13,665.19	12,080.44	31.55	35.54	-85.21	-1,496.68	1,882.96	719.55	655.93	63.62	11.310	
13,900.00	12,138.43	13,765.19	12,081.14	32.50	36.80	-85.19	-1,596.67	1,883.87	719.61	653.71	65.90	10.919	
14,000.00	12,139.30	13,865.19	12,081.84	33.47	38.06	-85.18	-1,696.66	1,884.78	719.67	651.45	68.22	10.550	
14,100.00	12,140.17	13,965.19	12,082.54	34.47	39.33	-85.17	-1,796.66	1,885.68	719.73	649.16	70.57	10.199	
14,200.00	12,141.04	14,065.19	12,083.23	35.49	40.60	-85.15	-1,896.65	1,886.59	719.79	646.85	72.94	9.868	
14,300.00	12,141.92	14,165.19	12,083.93	36.53	41.88	-85.14	-1,996.64	1,887.50	719.85	644.51	75.34	9.555	
14,400.00	12,142.79	14,265.19	12,084.63	37.59	43.17	-85.13	-2,096.64	1,888.40	719.91	642.14	77.76	9.258	
14,500.00	12,143.66	14,365.19	12,085.33	38.67	44.46	-85.11	-2,196.63	1,889.31	719.97	639.76	80.21	8.976	
14,600.00	12,144.53	14,465.19	12,086.03	39.77	45.76	-85.10	-2,296.62	1,890.22	720.03	637.36	82.67	8.710	
14,700.00	12,145.40	14,565.19	12,086.73	40.88	47.06	-85.09	-2,396.62	1,891.12	720.09	634.94	85.15	8.457	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,800.00	12,146.27	14,665.18	12,087.42	42.01	48.36	-85.07	-2,496.61	1,892.03	720.15	632.51	87.64	8.217	
14,900.00	12,147.14	14,765.18	12,088.12	43.15	49.67	-85.06	-2,596.60	1,892.94	720.21	630.06	90.15	7.989	
15,000.00	12,148.02	14,865.18	12,088.82	44.31	50.98	-85.05	-2,696.59	1,893.85	720.27	627.60	92.67	7.772	
15,100.00	12,148.89	14,965.18	12,089.52	45.47	52.29	-85.03	-2,796.59	1,894.75	720.33	625.13	95.20	7.566	
15,200.00	12,149.76	15,065.18	12,090.22	46.65	53.60	-85.02	-2,896.58	1,895.66	720.39	622.64	97.75	7.370	
15,300.00	12,150.63	15,165.18	12,090.92	47.83	54.92	-85.01	-2,996.57	1,896.57	720.45	620.15	100.30	7.183	
15,400.00	12,151.50	15,265.18	12,091.61	49.03	56.24	-84.99	-3,096.57	1,897.47	720.51	617.65	102.86	7.005	
15,500.00	12,152.37	15,365.18	12,092.31	50.23	57.57	-84.98	-3,196.56	1,898.38	720.57	615.14	105.43	6.834	
15,600.00	12,153.25	15,465.18	12,093.01	51.45	58.89	-84.97	-3,296.55	1,899.29	720.63	612.62	108.01	6.672	
15,700.00	12,154.12	15,565.18	12,093.71	52.67	60.22	-84.95	-3,396.55	1,900.19	720.69	610.09	110.60	6.516	
15,800.00	12,154.99	15,665.18	12,094.41	53.89	61.55	-84.94	-3,496.54	1,901.10	720.75	607.56	113.19	6.367	
15,900.00	12,155.86	15,765.18	12,095.10	55.13	62.88	-84.93	-3,596.53	1,902.01	720.81	605.02	115.79	6.225	
16,000.00	12,156.73	15,865.18	12,095.80	56.37	64.21	-84.91	-3,696.53	1,902.91	720.87	602.47	118.40	6.088	
16,100.00	12,157.60	15,965.18	12,096.50	57.61	65.54	-84.90	-3,796.52	1,903.82	720.93	599.92	121.01	5.958	
16,200.00	12,158.48	16,065.18	12,097.20	58.86	66.88	-84.89	-3,896.51	1,904.73	721.00	597.37	123.63	5.832	
16,300.00	12,159.35	16,165.18	12,097.90	60.12	68.21	-84.87	-3,996.51	1,905.63	721.06	594.81	126.25	5.711	
16,400.00	12,160.22	16,265.18	12,098.60	61.38	69.55	-84.86	-4,096.50	1,906.54	721.12	592.24	128.87	5.595	
16,500.00	12,161.09	16,365.18	12,099.29	62.65	70.89	-84.85	-4,196.49	1,907.45	721.18	589.67	131.50	5.484	
16,600.00	12,161.96	16,465.18	12,099.99	63.92	72.23	-84.83	-4,296.49	1,908.35	721.24	587.10	134.14	5.377	
16,700.00	12,162.83	16,565.18	12,100.69	65.19	73.57	-84.82	-4,396.48	1,909.26	721.30	584.52	136.78	5.274	
16,800.00	12,163.71	16,665.18	12,101.39	66.47	74.91	-84.81	-4,496.47	1,910.17	721.36	581.94	139.42	5.174	
16,900.00	12,164.58	16,765.18	12,102.09	67.75	76.25	-84.79	-4,596.47	1,911.07	721.42	579.36	142.06	5.078	
17,000.00	12,165.45	16,865.18	12,102.79	69.04	77.60	-84.78	-4,696.46	1,911.98	721.48	576.77	144.71	4.986	
17,100.00	12,166.32	16,965.18	12,103.48	70.32	78.94	-84.76	-4,796.45	1,912.89	721.54	574.19	147.36	4.897	
17,200.00	12,167.19	17,065.18	12,104.18	71.61	80.29	-84.75	-4,896.45	1,913.79	721.61	571.59	150.01	4.810	
17,300.00	12,168.06	17,165.18	12,104.88	72.91	81.64	-84.74	-4,996.44	1,914.70	721.67	569.00	152.67	4.727	
17,400.00	12,168.94	17,265.18	12,105.58	74.21	82.98	-84.72	-5,096.43	1,915.61	721.73	566.40	155.33	4.647	
17,500.00	12,169.81	17,365.18	12,106.28	75.50	84.33	-84.71	-5,196.43	1,916.52	721.79	563.80	157.99	4.569	
17,600.00	12,170.68	17,465.18	12,106.98	76.81	85.68	-84.70	-5,296.42	1,917.42	721.85	561.20	160.65	4.493	
17,700.00	12,171.55	17,565.18	12,107.67	78.11	87.03	-84.68	-5,396.41	1,918.33	721.91	558.60	163.31	4.420	
17,800.00	12,172.42	17,665.18	12,108.37	79.42	88.38	-84.67	-5,496.41	1,919.24	721.97	555.99	165.98	4.350	
17,900.00	12,173.29	17,765.18	12,109.07	80.72	89.73	-84.66	-5,596.40	1,920.14	722.03	553.39	168.65	4.281	
18,000.00	12,174.17	17,865.18	12,109.77	82.03	91.08	-84.64	-5,696.39	1,921.05	722.10	550.78	171.32	4.215	
18,100.00	12,175.04	17,965.18	12,110.47	83.35	92.43	-84.63	-5,796.39	1,921.96	722.16	548.17	173.99	4.151	
18,200.00	12,175.91	18,065.18	12,111.16	84.66	93.78	-84.62	-5,896.38	1,922.86	722.22	545.56	176.66	4.088	
18,300.00	12,176.78	18,165.18	12,111.86	85.98	95.13	-84.60	-5,996.37	1,923.77	722.28	542.94	179.34	4.028	
18,400.00	12,177.65	18,265.18	12,112.56	87.29	96.49	-84.59	-6,096.37	1,924.68	722.34	540.33	182.01	3.969	
18,500.00	12,178.52	18,365.18	12,113.26	88.61	97.84	-84.58	-6,196.36	1,925.58	722.40	537.71	184.69	3.911	
18,600.00	12,179.39	18,465.18	12,113.96	89.93	99.19	-84.56	-6,296.35	1,926.49	722.47	535.10	187.37	3.856	
18,700.00	12,180.27	18,565.18	12,114.66	91.26	100.55	-84.55	-6,396.35	1,927.40	722.53	532.48	190.05	3.802	
18,800.00	12,181.14	18,665.18	12,115.35	92.58	101.90	-84.54	-6,496.34	1,928.30	722.59	529.86	192.73	3.749	
18,900.00	12,182.01	18,765.18	12,116.05	93.90	103.26	-84.52	-6,596.33	1,929.21	722.65	527.24	195.41	3.698	
19,000.00	12,182.88	18,865.18	12,116.75	95.23	104.61	-84.51	-6,696.33	1,930.12	722.71	524.62	198.10	3.648	
19,100.00	12,183.75	18,965.18	12,117.45	96.56	105.97	-84.50	-6,796.32	1,931.02	722.77	521.99	200.78	3.600	
19,200.00	12,184.62	19,065.18	12,118.15	97.89	107.33	-84.48	-6,896.31	1,931.93	722.84	519.37	203.47	3.553	
19,300.00	12,185.50	19,165.18	12,118.85	99.22	108.68	-84.47	-6,996.31	1,932.84	722.90	516.74	206.15	3.507	
19,400.00	12,186.37	19,265.18	12,119.54	100.55	110.04	-84.46	-7,096.30	1,933.74	722.96	514.12	208.84	3.462	
19,500.00	12,187.24	19,365.18	12,120.24	101.88	111.40	-84.44	-7,196.29	1,934.65	723.02	511.49	211.53	3.418	
19,600.00	12,188.11	19,465.18	12,120.94	103.21	112.75	-84.43	-7,296.29	1,935.56	723.08	508.87	214.22	3.375	
19,700.00	12,188.98	19,565.18	12,121.64	104.54	114.11	-84.42	-7,396.28	1,936.47	723.15	506.24	216.91	3.334	
19,800.00	12,189.85	19,665.18	12,122.34	105.88	115.47	-84.40	-7,496.27	1,937.37	723.21	503.61	219.60	3.293	
19,900.00	12,190.73	19,765.18	12,123.03	107.21	116.83	-84.39	-7,596.27	1,938.28	723.27	500.98	222.29	3.254	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,000.00	12,191.60	19,865.18	12,123.73	108.55	118.19	-84.38	-7,696.26	1,939.19	723.33	498.35	224.98	3.215	
20,100.00	12,192.47	19,965.18	12,124.43	109.89	119.54	-84.36	-7,796.25	1,940.09	723.40	495.72	227.68	3.177	
20,200.00	12,193.34	20,065.18	12,125.13	111.23	120.90	-84.35	-7,896.25	1,941.00	723.46	493.09	230.37	3.140	
20,300.00	12,194.21	20,165.18	12,125.83	112.56	122.26	-84.34	-7,996.24	1,941.91	723.52	490.46	233.06	3.104	
20,400.00	12,195.08	20,265.18	12,126.53	113.90	123.62	-84.32	-8,096.23	1,942.81	723.58	487.83	235.76	3.069	
20,500.00	12,195.96	20,365.18	12,127.22	115.24	124.98	-84.31	-8,196.23	1,943.72	723.65	485.19	238.45	3.035	
20,600.00	12,196.83	20,465.18	12,127.92	116.58	126.34	-84.30	-8,296.22	1,944.63	723.71	482.56	241.15	3.001	
20,700.00	12,197.70	20,565.18	12,128.62	117.93	127.70	-84.28	-8,396.21	1,945.53	723.77	479.93	243.84	2.968	
20,800.00	12,198.57	20,665.18	12,129.32	119.27	129.06	-84.27	-8,496.21	1,946.44	723.83	477.29	246.54	2.936	
20,900.00	12,199.44	20,765.18	12,130.02	120.61	130.42	-84.26	-8,596.20	1,947.35	723.90	474.66	249.24	2.904	
21,000.00	12,200.31	20,865.18	12,130.72	121.95	131.78	-84.24	-8,696.19	1,948.25	723.96	472.02	251.94	2.874	
21,100.00	12,201.19	20,965.17	12,131.41	123.30	133.14	-84.23	-8,796.19	1,949.16	724.02	469.39	254.63	2.843	
21,200.00	12,202.06	21,065.17	12,132.11	124.64	134.50	-84.22	-8,896.18	1,950.07	724.08	466.75	257.33	2.814	
21,300.00	12,202.93	21,165.17	12,132.81	125.99	135.87	-84.20	-8,996.17	1,950.97	724.15	464.12	260.03	2.785	
21,400.00	12,203.80	21,265.17	12,133.51	127.33	137.23	-84.19	-9,096.17	1,951.88	724.21	461.48	262.73	2.756	
21,500.00	12,204.67	21,365.17	12,134.21	128.68	138.59	-84.18	-9,196.16	1,952.79	724.27	458.84	265.43	2.729	
21,600.00	12,205.54	21,465.17	12,134.90	130.03	139.95	-84.17	-9,296.15	1,953.69	724.34	456.21	268.13	2.701	
21,700.00	12,206.41	21,565.17	12,135.60	131.37	141.31	-84.15	-9,396.15	1,954.60	724.40	453.57	270.83	2.675	
21,800.00	12,207.29	21,665.17	12,136.30	132.72	142.67	-84.14	-9,496.14	1,955.51	724.46	450.93	273.53	2.649	
21,900.00	12,208.16	21,765.17	12,137.00	134.07	144.04	-84.13	-9,596.13	1,956.41	724.52	448.29	276.23	2.623	
22,000.00	12,209.03	21,865.17	12,137.70	135.42	145.40	-84.11	-9,696.13	1,957.32	724.59	445.66	278.93	2.598	
22,100.00	12,209.90	21,965.17	12,138.40	136.77	146.76	-84.10	-9,796.12	1,958.23	724.65	443.02	281.63	2.573	
22,200.00	12,210.77	22,065.17	12,139.09	138.12	148.12	-84.09	-9,896.11	1,959.14	724.71	440.38	284.33	2.549	
22,300.00	12,211.64	22,165.17	12,139.79	139.47	149.49	-84.07	-9,996.11	1,960.04	724.78	437.74	287.04	2.525	
22,400.00	12,212.52	22,265.17	12,140.49	140.82	150.85	-84.06	-10,096.10	1,960.95	724.84	435.10	289.74	2.502	
22,500.00	12,213.39	22,365.17	12,141.19	142.17	152.21	-84.05	-10,196.09	1,961.86	724.90	432.46	292.44	2.479	
22,512.90	12,213.50	22,378.07	12,141.28	142.34	152.39	-84.04	-10,208.99	1,961.97	724.91	432.12	292.79	2.476	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	72.55	721.00	2,294.00	2,404.64				
100.00	100.00	101.00	101.00	0.98	0.99	72.55	721.00	2,294.00	2,404.64	2,402.67	1.97	1,222.085	
200.00	200.00	201.00	201.00	1.56	1.57	72.55	721.00	2,294.00	2,404.64	2,401.51	3.13	769.139	
300.00	300.00	301.00	301.00	1.98	1.98	72.55	721.00	2,294.00	2,404.64	2,400.67	3.97	606.346	
400.00	399.99	400.99	400.99	2.41	2.33	-3.60	721.00	2,294.00	2,403.33	2,398.59	4.74	506.618	
500.00	499.91	500.91	500.91	2.78	2.64	-3.61	721.00	2,294.00	2,399.41	2,393.99	5.42	442.878	
600.00	599.69	600.69	600.69	3.12	2.91	-3.63	721.00	2,294.00	2,392.89	2,386.86	6.03	397.026	
633.33	632.91	633.91	633.91	3.15	3.00	-3.63	721.00	2,294.00	2,390.13	2,383.99	6.14	389.118	
700.00	699.32	700.32	700.32	3.25	3.16	-3.64	721.00	2,294.00	2,384.33	2,377.91	6.42	371.574	
800.00	798.94	799.94	799.94	3.50	3.40	-3.66	721.00	2,294.00	2,375.63	2,368.73	6.90	344.263	
900.00	898.56	899.56	899.56	3.74	3.62	-3.67	721.00	2,294.00	2,366.94	2,359.57	7.36	321.478	
1,000.00	998.18	999.18	999.18	3.97	3.83	-3.68	721.00	2,294.00	2,358.24	2,350.43	7.81	302.075	
1,100.00	1,097.80	1,098.80	1,098.80	4.20	4.04	-3.70	721.00	2,294.00	2,349.54	2,341.30	8.24	285.279	
1,200.00	1,197.42	1,198.42	1,198.42	4.42	4.23	-3.71	721.00	2,294.00	2,340.84	2,332.19	8.65	270.547	
1,300.00	1,297.04	1,298.04	1,298.04	4.64	4.42	-3.72	721.00	2,294.00	2,332.15	2,323.09	9.06	257.482	
1,400.00	1,396.66	1,408.38	1,408.38	4.86	4.51	-3.73	720.55	2,294.00	2,323.34	2,313.97	9.36	248.117	
1,500.00	1,496.28	1,530.16	1,530.09	5.07	4.74	-3.66	716.75	2,294.00	2,313.70	2,303.95	9.75	237.338	
1,600.00	1,595.90	1,651.41	1,651.10	5.28	4.94	-3.49	709.11	2,294.00	2,303.13	2,293.02	10.11	227.861	
1,700.00	1,695.52	1,732.29	1,731.67	5.48	5.03	-3.33	702.10	2,294.30	2,292.26	2,281.86	10.41	220.268	
1,800.00	1,795.14	1,800.00	1,799.07	5.69	5.13	-3.18	695.74	2,295.69	2,282.76	2,272.02	10.73	212.700	
1,900.00	1,894.76	1,865.55	1,864.24	5.89	5.23	-3.01	689.23	2,298.13	2,274.70	2,263.66	11.04	206.032	
2,000.00	1,994.38	1,932.19	1,930.42	6.09	5.34	-2.82	682.26	2,301.69	2,268.12	2,256.76	11.35	199.826	
2,100.00	2,094.00	2,008.56	2,006.13	6.29	5.47	-2.59	673.83	2,307.14	2,263.04	2,251.36	11.68	193.793	
2,200.00	2,193.62	2,093.12	2,089.86	6.50	5.59	-2.31	664.23	2,313.96	2,258.88	2,246.88	12.00	188.246	
2,206.41	2,200.00	2,099.47	2,096.15	6.52	5.60	-2.29	663.51	2,314.48	2,258.62	2,246.60	12.02	187.881	
2,300.00	2,293.13	2,192.16	2,187.94	6.72	5.74	-1.99	653.00	2,321.96	2,253.69	2,241.33	12.36	182.279	
2,400.00	2,392.34	2,291.05	2,285.87	6.95	5.90	-1.68	641.78	2,329.95	2,245.97	2,233.22	12.75	176.148	
2,500.00	2,491.20	2,389.72	2,383.58	7.18	6.06	-1.36	630.58	2,337.91	2,235.71	2,222.57	13.14	170.130	
2,600.00	2,589.63	2,488.10	2,480.99	7.41	6.22	-1.04	619.42	2,345.85	2,222.93	2,209.39	13.54	164.233	
2,700.00	2,687.57	2,586.11	2,578.06	7.65	6.38	-0.72	608.30	2,353.77	2,207.62	2,193.69	13.93	158.456	
2,800.00	2,784.94	2,683.70	2,674.70	7.88	6.54	-0.39	597.23	2,361.65	2,189.81	2,175.48	14.33	152.798	
2,873.30	2,855.92	2,754.93	2,745.23	8.02	6.66	-0.15	589.15	2,367.40	2,175.16	2,160.57	14.59	149.046	
2,900.00	2,881.71	2,780.82	2,770.87	8.06	6.70	-0.06	586.22	2,369.49	2,169.59	2,154.91	14.68	147.812	
3,000.00	2,978.30	2,877.80	2,866.90	8.28	6.87	0.29	575.21	2,377.32	2,148.75	2,133.69	15.06	142.714	
3,100.00	3,074.89	2,974.77	2,962.93	8.49	7.03	0.63	564.21	2,385.15	2,127.99	2,112.55	15.44	137.846	
3,200.00	3,171.49	3,071.75	3,058.96	8.71	7.20	0.99	553.21	2,392.98	2,107.31	2,091.48	15.82	133.195	
3,300.00	3,268.08	3,168.73	3,155.00	8.93	7.37	1.35	542.21	2,400.81	2,086.70	2,070.50	16.21	128.750	
3,400.00	3,364.67	3,265.70	3,251.03	9.16	7.54	1.72	531.21	2,408.64	2,066.18	2,049.59	16.60	124.499	
3,500.00	3,461.26	3,362.68	3,347.06	9.42	7.71	2.10	520.21	2,416.47	2,045.75	2,028.76	16.99	120.433	
3,600.00	3,557.85	3,459.66	3,443.09	9.70	7.88	2.48	509.21	2,424.30	2,025.40	2,008.02	17.38	116.541	
3,700.00	3,654.44	3,556.63	3,539.12	10.00	8.06	2.87	498.20	2,432.13	2,005.15	1,987.37	17.77	112.815	
3,800.00	3,751.03	3,653.61	3,635.16	10.30	8.23	3.27	487.20	2,439.96	1,984.98	1,966.81	18.17	109.244	
3,900.00	3,847.62	3,750.59	3,731.19	10.61	8.41	3.68	476.20	2,447.79	1,964.92	1,946.35	18.57	105.822	
4,000.00	3,944.21	3,847.56	3,827.22	10.93	8.59	4.09	465.20	2,455.61	1,944.95	1,925.98	18.97	102.539	
4,100.00	4,040.80	3,944.54	3,923.25	11.25	8.76	4.52	454.20	2,463.44	1,925.09	1,905.72	19.37	99.389	
4,200.00	4,137.40	4,041.52	4,019.28	11.57	8.94	4.95	443.20	2,471.27	1,905.33	1,885.56	19.77	96.365	
4,300.00	4,233.99	4,138.49	4,115.31	11.89	9.13	5.39	432.20	2,479.10	1,885.68	1,865.50	20.18	93.460	
4,400.00	4,330.58	4,235.47	4,211.35	12.21	9.31	5.84	421.19	2,486.93	1,866.14	1,845.56	20.58	90.668	
4,500.00	4,427.17	4,332.45	4,307.38	12.54	9.49	6.30	410.19	2,494.76	1,846.72	1,825.73	20.99	87.984	
4,600.00	4,523.76	4,429.42	4,403.41	12.87	9.67	6.77	399.19	2,502.59	1,827.41	1,806.01	21.40	85.402	
4,700.00	4,620.35	4,526.40	4,499.44	13.20	9.86	7.25	388.19	2,510.42	1,808.23	1,786.42	21.81	82.917	
4,800.00	4,716.94	4,623.38	4,595.47	13.53	10.04	7.74	377.19	2,518.25	1,789.18	1,766.96	22.22	80.524	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,720.35	4,691.51	13.86	10.23	8.24	366.19	2,526.08	1,770.26	1,747.63	22.63	78.219	
5,000.00	4,910.12	4,817.33	4,787.54	14.19	10.42	8.75	355.19	2,533.91	1,751.47	1,728.43	23.05	75.998	
5,100.00	5,006.72	4,914.31	4,883.57	14.53	10.61	9.27	344.18	2,541.74	1,732.83	1,709.37	23.46	73.856	
5,200.00	5,103.31	5,011.28	4,979.60	14.86	10.79	9.80	333.18	2,549.57	1,714.33	1,690.45	23.88	71.794	
5,300.00	5,199.90	5,113.70	5,081.03	15.20	10.98	10.37	321.62	2,557.80	1,695.95	1,671.65	24.29	69.815	
5,400.00	5,296.49	5,240.69	5,207.14	15.53	11.20	11.01	309.54	2,566.40	1,676.57	1,651.83	24.74	67.768	
5,500.00	5,393.08	5,367.69	5,333.69	15.87	11.40	11.55	300.88	2,572.56	1,655.55	1,630.40	25.16	65.811	
5,600.00	5,489.67	5,494.42	5,460.26	16.21	11.56	11.98	295.67	2,576.27	1,632.86	1,607.32	25.54	63.938	
5,700.00	5,586.26	5,620.62	5,586.43	16.55	11.69	12.30	293.87	2,577.55	1,608.44	1,582.58	25.86	62.190	
5,800.00	5,682.85	5,718.04	5,683.85	16.89	11.73	12.50	293.87	2,577.55	1,583.12	1,557.00	26.12	60.602	
5,900.00	5,779.44	5,814.63	5,780.44	17.23	11.78	12.71	293.87	2,577.55	1,557.81	1,531.41	26.40	59.006	
5,915.24	5,794.17	5,829.36	5,795.17	17.27	11.79	12.74	293.87	2,577.55	1,553.96	1,527.52	26.44	58.779	
6,000.00	5,876.27	5,911.46	5,877.27	17.54	11.83	12.84	293.87	2,577.55	1,533.42	1,506.75	26.67	57.497	
6,100.00	5,973.71	6,008.90	5,974.71	17.85	11.88	12.96	293.87	2,577.55	1,511.49	1,484.54	26.95	56.079	
6,200.00	6,071.71	6,106.90	6,072.71	18.12	11.94	13.06	293.87	2,577.55	1,492.08	1,464.85	27.23	54.795	
6,300.00	6,170.19	6,205.38	6,171.19	18.37	11.99	13.15	293.87	2,577.55	1,475.19	1,447.68	27.50	53.639	
6,400.00	6,269.10	6,304.28	6,270.10	18.59	12.04	13.24	293.87	2,577.55	1,460.82	1,433.05	27.77	52.612	
6,500.00	6,368.35	6,403.54	6,369.35	18.78	12.10	13.30	293.87	2,577.55	1,448.98	1,420.96	28.02	51.710	
6,600.00	6,467.89	6,503.08	6,468.89	18.94	12.15	13.36	293.87	2,577.55	1,439.68	1,411.42	28.27	50.932	
6,700.00	6,567.65	6,602.84	6,568.65	19.07	12.20	13.40	293.87	2,577.55	1,432.93	1,404.43	28.50	50.278	
6,800.00	6,667.55	6,702.74	6,668.55	19.18	12.26	13.43	293.87	2,577.55	1,428.71	1,400.00	28.72	49.748	
6,900.00	6,767.53	6,802.72	6,768.53	19.26	12.32	13.44	293.87	2,577.55	1,427.05	1,398.14	28.91	49.358	
6,915.47	6,783.00	6,818.19	6,784.00	19.26	12.32	89.59	293.87	2,577.55	1,427.02	1,398.09	28.93	49.332	
7,000.00	6,867.53	6,902.72	6,868.53	19.30	12.37	89.59	293.87	2,577.55	1,427.02	1,398.01	29.00	49.199	
7,100.00	6,967.53	7,002.72	6,968.53	19.35	12.43	89.59	293.87	2,577.55	1,427.02	1,397.91	29.11	49.026	
7,200.00	7,067.53	7,102.72	7,068.53	19.40	12.48	89.59	293.87	2,577.55	1,427.02	1,397.81	29.21	48.853	
7,300.00	7,167.53	7,202.72	7,168.53	19.45	12.54	89.59	293.87	2,577.55	1,427.02	1,397.70	29.31	48.680	
7,400.00	7,267.53	7,302.72	7,268.53	19.50	12.60	89.59	293.87	2,577.55	1,427.02	1,397.60	29.42	48.507	
7,500.00	7,367.53	7,402.72	7,368.53	19.55	12.66	89.59	293.87	2,577.55	1,427.02	1,397.49	29.52	48.335	
7,600.00	7,467.53	7,502.72	7,468.53	19.60	12.71	89.59	293.87	2,577.55	1,427.02	1,397.39	29.63	48.163	
7,700.00	7,567.53	7,602.72	7,568.53	19.65	12.77	89.59	293.87	2,577.55	1,427.02	1,397.28	29.73	47.992	
7,800.00	7,667.53	7,702.72	7,668.53	19.71	12.83	89.59	293.87	2,577.55	1,427.02	1,397.18	29.84	47.820	
7,900.00	7,767.53	7,802.72	7,768.53	19.76	12.89	89.59	293.87	2,577.55	1,427.02	1,397.07	29.95	47.650	
8,000.00	7,867.53	7,902.72	7,868.53	19.81	12.95	89.59	293.87	2,577.55	1,427.02	1,396.96	30.06	47.479	
8,100.00	7,967.53	8,002.72	7,968.53	19.86	13.00	89.59	293.87	2,577.55	1,427.02	1,396.85	30.16	47.309	
8,200.00	8,067.53	8,102.72	8,068.53	19.92	13.06	89.59	293.87	2,577.55	1,427.02	1,396.74	30.27	47.140	
8,300.00	8,167.53	8,202.72	8,168.53	19.97	13.12	89.59	293.87	2,577.55	1,427.02	1,396.64	30.38	46.971	
8,400.00	8,267.53	8,302.72	8,268.53	20.02	13.18	89.59	293.87	2,577.55	1,427.02	1,396.53	30.49	46.802	
8,500.00	8,367.53	8,402.72	8,368.53	20.08	13.24	89.59	293.87	2,577.55	1,427.02	1,396.42	30.60	46.634	
8,600.00	8,467.53	8,502.72	8,468.53	20.13	13.30	89.59	293.87	2,577.55	1,427.02	1,396.31	30.71	46.466	
8,700.00	8,567.53	8,602.72	8,568.53	20.18	13.36	89.59	293.87	2,577.55	1,427.02	1,396.20	30.82	46.299	
8,800.00	8,667.53	8,702.72	8,668.53	20.24	13.42	89.59	293.87	2,577.55	1,427.02	1,396.08	30.93	46.133	
8,900.00	8,767.53	8,802.72	8,768.53	20.29	13.48	89.59	293.87	2,577.55	1,427.02	1,395.97	31.04	45.966	
9,000.00	8,867.53	8,902.72	8,868.53	20.35	13.54	89.59	293.87	2,577.55	1,427.02	1,395.86	31.16	45.801	
9,100.00	8,967.53	9,002.72	8,968.53	20.40	13.61	89.59	293.87	2,577.55	1,427.02	1,395.75	31.27	45.636	
9,200.00	9,067.53	9,102.72	9,068.53	20.45	13.67	89.59	293.87	2,577.55	1,427.02	1,395.63	31.38	45.471	
9,300.00	9,167.53	9,202.72	9,168.53	20.51	13.73	89.59	293.87	2,577.55	1,427.02	1,395.52	31.50	45.307	
9,400.00	9,267.53	9,302.72	9,268.53	20.56	13.79	89.59	293.87	2,577.55	1,427.02	1,395.41	31.61	45.143	
9,500.00	9,367.53	9,402.72	9,368.53	20.62	13.85	89.59	293.87	2,577.55	1,427.02	1,395.29	31.73	44.980	
9,600.00	9,467.53	9,502.72	9,468.53	20.68	13.91	89.59	293.87	2,577.55	1,427.02	1,395.18	31.84	44.818	
9,700.00	9,567.53	9,602.72	9,568.53	20.73	13.98	89.59	293.87	2,577.55	1,427.02	1,395.06	31.96	44.656	
9,800.00	9,667.53	9,702.72	9,668.53	20.79	14.04	89.59	293.87	2,577.55	1,427.02	1,394.95	32.07	44.495	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,802.72	9,768.53	20.84	14.10	89.59	293.87	2,577.55	1,427.02	1,394.83	32.19	44.334	
10,000.00	9,867.53	9,902.72	9,868.53	20.90	14.16	89.59	293.87	2,577.55	1,427.02	1,394.71	32.30	44.174	
10,100.00	9,967.53	10,002.72	9,968.53	20.95	14.23	89.59	293.87	2,577.55	1,427.02	1,394.60	32.42	44.015	
10,200.00	10,067.53	10,102.72	10,068.53	21.01	14.29	89.59	293.87	2,577.55	1,427.02	1,394.48	32.54	43.856	
10,300.00	10,167.53	10,202.72	10,168.53	21.07	14.35	89.59	293.87	2,577.55	1,427.02	1,394.36	32.66	43.698	
10,400.00	10,267.53	10,302.72	10,268.53	21.12	14.42	89.59	293.87	2,577.55	1,427.02	1,394.24	32.77	43.540	
10,500.00	10,367.53	10,402.72	10,368.53	21.18	14.48	89.59	293.87	2,577.55	1,427.02	1,394.12	32.89	43.383	
10,600.00	10,467.53	10,502.72	10,468.53	21.24	14.55	89.59	293.87	2,577.55	1,427.02	1,394.00	33.01	43.227	
10,700.00	10,567.53	10,602.72	10,568.53	21.30	14.61	89.59	293.87	2,577.55	1,427.02	1,393.89	33.13	43.071	
10,800.00	10,667.53	10,702.72	10,668.53	21.35	14.67	89.59	293.87	2,577.55	1,427.02	1,393.77	33.25	42.916	
10,900.00	10,767.53	10,802.72	10,768.53	21.41	14.74	89.59	293.87	2,577.55	1,427.02	1,393.65	33.37	42.761	
11,000.00	10,867.53	10,902.72	10,868.53	21.47	14.80	89.59	293.87	2,577.55	1,427.02	1,393.52	33.49	42.608	
11,100.00	10,967.53	11,002.72	10,968.53	21.53	14.87	89.59	293.87	2,577.55	1,427.02	1,393.40	33.61	42.454	
11,200.00	11,067.53	11,102.72	11,068.53	21.58	14.93	89.59	293.87	2,577.55	1,427.02	1,393.28	33.73	42.302	
11,300.00	11,167.53	11,202.72	11,168.53	21.64	15.00	89.59	293.87	2,577.55	1,427.02	1,393.16	33.86	42.150	
11,400.00	11,267.53	11,302.72	11,268.53	21.70	15.06	89.59	293.87	2,577.55	1,427.02	1,393.04	33.98	41.999	
11,500.00	11,367.53	11,402.72	11,368.53	21.76	15.13	89.59	293.87	2,577.55	1,427.02	1,392.92	34.10	41.848	
11,600.00	11,467.53	11,502.72	11,468.53	21.82	15.20	89.59	293.87	2,577.55	1,427.02	1,392.79	34.23	41.690	
11,601.33	11,468.86	11,504.05	11,469.86	21.82	15.20	89.59	293.87	2,577.55	1,427.02	1,392.79	34.23	41.689	CC
11,686.47	11,554.00	11,588.28	11,553.83	21.86	15.34	89.81	288.28	2,577.60	1,427.04	1,392.72	34.32	41.582	
11,700.00	11,567.53	11,601.47	11,566.87	21.86	15.37	-89.62	286.29	2,577.62	1,427.05	1,392.72	34.33	41.570	
11,750.00	11,617.40	11,650.00	11,614.37	21.90	15.47	-89.34	276.41	2,577.71	1,427.12	1,392.75	34.37	41.521	
11,800.00	11,666.79	11,697.67	11,660.05	21.93	15.58	-89.08	262.82	2,577.83	1,427.22	1,392.80	34.42	41.460	
11,850.00	11,715.32	11,745.01	11,704.13	21.95	15.69	-88.82	245.62	2,577.99	1,427.35	1,392.86	34.49	41.388	
11,900.00	11,762.62	11,791.88	11,746.24	21.97	15.81	-88.57	225.06	2,578.18	1,427.50	1,392.94	34.56	41.301	
11,950.00	11,808.34	11,838.31	11,786.16	21.99	15.92	-88.33	201.37	2,578.39	1,427.68	1,393.02	34.66	41.195	
12,000.00	11,852.12	11,884.35	11,823.71	22.01	16.04	-88.10	174.77	2,578.63	1,427.87	1,393.10	34.77	41.068	
12,050.00	11,893.63	11,930.02	11,858.74	22.03	16.16	-87.89	145.48	2,578.90	1,428.07	1,393.16	34.90	40.914	
12,100.00	11,932.55	11,975.35	11,891.10	22.05	16.31	-87.69	113.74	2,579.19	1,428.27	1,393.20	35.07	40.728	
12,150.00	11,968.60	12,020.39	11,920.66	22.09	16.49	-87.51	79.78	2,579.50	1,428.48	1,393.21	35.27	40.506	
12,200.00	12,001.49	12,065.17	11,947.31	22.13	16.72	-87.34	43.82	2,579.82	1,428.68	1,393.18	35.50	40.245	
12,250.00	12,030.97	12,109.71	11,970.95	22.19	16.98	-87.20	6.09	2,580.17	1,428.87	1,393.09	35.77	39.941	
12,300.00	12,056.82	12,154.05	11,991.51	22.26	17.28	-87.07	-33.18	2,580.52	1,429.04	1,392.95	36.09	39.594	
12,350.00	12,078.85	12,200.00	12,009.55	22.35	17.62	-86.96	-75.44	2,580.91	1,429.20	1,392.73	36.47	39.192	
12,400.00	12,096.88	12,242.25	12,023.10	22.47	17.95	-86.88	-115.44	2,581.27	1,429.33	1,392.46	36.87	38.764	
12,450.00	12,110.78	12,286.18	12,034.02	22.60	18.32	-86.82	-157.98	2,581.66	1,429.44	1,392.11	37.33	38.289	
12,500.00	12,120.45	12,330.04	12,041.64	22.75	18.71	-86.77	-201.16	2,582.05	1,429.52	1,391.68	37.84	37.781	
12,550.00	12,125.80	12,373.86	12,045.93	22.93	19.11	-86.75	-244.76	2,582.45	1,429.57	1,391.18	38.38	37.245	
12,581.47	12,126.94	12,404.18	12,046.94	23.05	19.39	-86.75	-275.06	2,582.72	1,429.58	1,390.83	38.76	36.885	
12,583.79	12,126.96	12,404.18	12,046.94	23.06	19.39	-86.75	-275.06	2,582.72	1,429.58	1,390.81	38.77	36.869	
12,600.00	12,127.10	12,419.57	12,047.05	23.12	19.54	-86.75	-290.44	2,582.86	1,429.59	1,390.61	38.98	36.677	
12,700.00	12,127.97	12,519.57	12,047.75	23.56	20.53	-86.74	-390.44	2,583.77	1,429.65	1,389.31	40.34	35.441	
12,800.00	12,128.84	12,619.57	12,048.45	24.06	21.56	-86.74	-490.43	2,584.68	1,429.71	1,387.88	41.83	34.181	
12,900.00	12,129.71	12,719.57	12,049.15	24.61	22.62	-86.73	-590.42	2,585.59	1,429.76	1,386.33	43.43	32.919	
13,000.00	12,130.58	12,819.57	12,049.85	25.21	23.72	-86.72	-690.42	2,586.50	1,429.82	1,384.68	45.14	31.674	
13,100.00	12,131.46	12,919.57	12,050.55	25.87	24.84	-86.72	-790.41	2,587.40	1,429.88	1,382.93	46.95	30.458	
13,200.00	12,132.33	13,019.57	12,051.25	26.56	25.98	-86.71	-890.40	2,588.31	1,429.94	1,381.10	48.84	29.281	
13,300.00	12,133.20	13,119.57	12,051.95	27.30	27.15	-86.70	-990.40	2,589.22	1,429.99	1,379.19	50.80	28.149	
13,400.00	12,134.07	13,219.57	12,052.64	28.08	28.33	-86.70	-1,090.39	2,590.13	1,430.05	1,377.22	52.83	27.067	
13,500.00	12,134.94	13,319.57	12,053.34	28.90	29.53	-86.69	-1,190.38	2,591.04	1,430.11	1,375.18	54.93	26.036	
13,600.00	12,135.81	13,419.57	12,054.04	29.75	30.75	-86.68	-1,290.38	2,591.95	1,430.16	1,373.09	57.08	25.056	
13,700.00	12,136.69	13,519.57	12,054.74	30.63	31.97	-86.68	-1,390.37	2,592.86	1,430.22	1,370.95	59.28	24.128	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,137.56	13,619.57	12,055.44	31.55	33.21	-86.67	-1,490.36	2,593.77	1,430.28	1,368.76	61.52	23.250	
13,900.00	12,138.43	13,719.57	12,056.14	32.50	34.46	-86.66	-1,590.36	2,594.67	1,430.34	1,366.54	63.80	22.420	
14,000.00	12,139.30	13,819.57	12,056.84	33.47	35.71	-86.66	-1,690.35	2,595.58	1,430.39	1,364.28	66.11	21.635	
14,100.00	12,140.17	13,919.57	12,057.54	34.47	36.98	-86.65	-1,790.34	2,596.49	1,430.45	1,361.99	68.46	20.894	
14,200.00	12,141.04	14,019.57	12,058.24	35.49	38.25	-86.64	-1,890.34	2,597.40	1,430.51	1,359.67	70.84	20.194	
14,300.00	12,141.92	14,119.57	12,058.94	36.53	39.52	-86.63	-1,990.33	2,598.31	1,430.57	1,357.33	73.24	19.533	
14,400.00	12,142.79	14,219.57	12,059.64	37.59	40.81	-86.63	-2,090.32	2,599.22	1,430.62	1,354.96	75.66	18.908	
14,500.00	12,143.66	14,319.57	12,060.34	38.67	42.10	-86.62	-2,190.32	2,600.13	1,430.68	1,352.57	78.11	18.316	
14,600.00	12,144.53	14,419.57	12,061.03	39.77	43.39	-86.61	-2,290.31	2,601.04	1,430.74	1,350.16	80.58	17.757	
14,700.00	12,145.40	14,519.57	12,061.73	40.88	44.69	-86.61	-2,390.30	2,601.94	1,430.80	1,347.74	83.06	17.227	
14,800.00	12,146.27	14,619.57	12,062.43	42.01	45.99	-86.60	-2,490.30	2,602.85	1,430.85	1,345.30	85.56	16.724	
14,900.00	12,147.14	14,719.57	12,063.13	43.15	47.30	-86.59	-2,590.29	2,603.76	1,430.91	1,342.84	88.07	16.248	
15,000.00	12,148.02	14,819.57	12,063.83	44.31	48.61	-86.59	-2,690.28	2,604.67	1,430.97	1,340.37	90.59	15.795	
15,100.00	12,148.89	14,919.57	12,064.53	45.47	49.92	-86.58	-2,790.28	2,605.58	1,431.03	1,337.89	93.13	15.366	
15,200.00	12,149.76	15,019.57	12,065.23	46.65	51.23	-86.57	-2,890.27	2,606.49	1,431.08	1,335.40	95.68	14.957	
15,300.00	12,150.63	15,119.56	12,065.93	47.83	52.55	-86.57	-2,990.26	2,607.40	1,431.14	1,332.90	98.24	14.568	
15,400.00	12,151.50	15,219.56	12,066.63	49.03	53.87	-86.56	-3,090.26	2,608.30	1,431.20	1,330.39	100.81	14.197	
15,500.00	12,152.37	15,319.56	12,067.33	50.23	55.20	-86.55	-3,190.25	2,609.21	1,431.26	1,327.87	103.39	13.844	
15,600.00	12,153.25	15,419.56	12,068.03	51.45	56.52	-86.55	-3,290.24	2,610.12	1,431.32	1,325.34	105.97	13.507	
15,700.00	12,154.12	15,519.56	12,068.72	52.67	57.85	-86.54	-3,390.24	2,611.03	1,431.37	1,322.81	108.57	13.184	
15,800.00	12,154.99	15,619.56	12,069.42	53.89	59.18	-86.53	-3,490.23	2,611.94	1,431.43	1,320.27	111.17	12.877	
15,900.00	12,155.86	15,719.56	12,070.12	55.13	60.51	-86.53	-3,590.22	2,612.85	1,431.49	1,317.72	113.77	12.582	
16,000.00	12,156.73	15,819.56	12,070.82	56.37	61.84	-86.52	-3,690.22	2,613.76	1,431.55	1,315.16	116.38	12.300	
16,100.00	12,157.60	15,919.56	12,071.52	57.61	63.18	-86.51	-3,790.21	2,614.67	1,431.60	1,312.60	119.00	12.030	
16,200.00	12,158.48	16,019.56	12,072.22	58.86	64.51	-86.51	-3,890.20	2,615.57	1,431.66	1,310.04	121.63	11.771	
16,300.00	12,159.35	16,119.56	12,072.92	60.12	65.85	-86.50	-3,990.19	2,616.48	1,431.72	1,307.47	124.25	11.523	
16,400.00	12,160.22	16,219.56	12,073.62	61.38	67.19	-86.49	-4,090.19	2,617.39	1,431.78	1,304.89	126.89	11.284	
16,500.00	12,161.09	16,319.56	12,074.32	62.65	68.53	-86.49	-4,190.18	2,618.30	1,431.84	1,302.31	129.52	11.055	
16,600.00	12,161.96	16,419.56	12,075.02	63.92	69.87	-86.48	-4,290.17	2,619.21	1,431.89	1,299.73	132.16	10.834	
16,700.00	12,162.83	16,519.56	12,075.72	65.19	71.21	-86.47	-4,390.17	2,620.12	1,431.95	1,297.14	134.81	10.622	
16,800.00	12,163.71	16,619.56	12,076.42	66.47	72.55	-86.47	-4,490.16	2,621.03	1,432.01	1,294.55	137.46	10.418	
16,900.00	12,164.58	16,719.56	12,077.11	67.75	73.90	-86.46	-4,590.15	2,621.94	1,432.07	1,291.96	140.11	10.221	
17,000.00	12,165.45	16,819.56	12,077.81	69.04	75.24	-86.45	-4,690.15	2,622.84	1,432.13	1,289.36	142.76	10.031	
17,100.00	12,166.32	16,919.56	12,078.51	70.32	76.59	-86.45	-4,790.14	2,623.75	1,432.18	1,286.76	145.42	9.848	
17,200.00	12,167.19	17,019.56	12,079.21	71.61	77.93	-86.44	-4,890.13	2,624.66	1,432.24	1,284.16	148.08	9.672	
17,300.00	12,168.06	17,119.56	12,079.91	72.91	79.28	-86.43	-4,990.13	2,625.57	1,432.30	1,281.55	150.75	9.501	
17,400.00	12,168.94	17,219.56	12,080.61	74.21	80.63	-86.42	-5,090.12	2,626.48	1,432.36	1,278.95	153.41	9.337	
17,500.00	12,169.81	17,319.56	12,081.31	75.50	81.98	-86.42	-5,190.11	2,627.39	1,432.42	1,276.34	156.08	9.177	
17,600.00	12,170.68	17,419.56	12,082.01	76.81	83.33	-86.41	-5,290.11	2,628.30	1,432.47	1,273.72	158.75	9.023	
17,700.00	12,171.55	17,519.56	12,082.71	78.11	84.68	-86.40	-5,390.10	2,629.21	1,432.53	1,271.11	161.42	8.874	
17,800.00	12,172.42	17,619.56	12,083.41	79.42	86.03	-86.40	-5,490.09	2,630.11	1,432.59	1,268.49	164.10	8.730	
17,900.00	12,173.29	17,719.56	12,084.11	80.72	87.38	-86.39	-5,590.09	2,631.02	1,432.65	1,265.87	166.78	8.590	
18,000.00	12,174.17	17,819.56	12,084.80	82.03	88.73	-86.38	-5,690.08	2,631.93	1,432.71	1,263.25	169.45	8.455	
18,100.00	12,175.04	17,919.56	12,085.50	83.35	90.08	-86.38	-5,790.07	2,632.84	1,432.77	1,260.63	172.13	8.324	
18,200.00	12,175.91	18,019.56	12,086.20	84.66	91.44	-86.37	-5,890.07	2,633.75	1,432.82	1,258.01	174.82	8.196	
18,300.00	12,176.78	18,119.56	12,086.90	85.98	92.79	-86.36	-5,990.06	2,634.66	1,432.88	1,255.38	177.50	8.073	
18,400.00	12,177.65	18,219.56	12,087.60	87.29	94.14	-86.36	-6,090.05	2,635.57	1,432.94	1,252.76	180.18	7.953	
18,500.00	12,178.52	18,319.56	12,088.30	88.61	95.50	-86.35	-6,190.05	2,636.48	1,433.00	1,250.13	182.87	7.836	
18,600.00	12,179.39	18,419.56	12,089.00	89.93	96.85	-86.34	-6,290.04	2,637.38	1,433.06	1,247.50	185.56	7.723	
18,700.00	12,180.27	18,519.56	12,089.70	91.26	98.21	-86.34	-6,390.03	2,638.29	1,433.11	1,244.87	188.25	7.613	
18,800.00	12,181.14	18,619.56	12,090.40	92.58	99.56	-86.33	-6,490.03	2,639.20	1,433.17	1,242.24	190.94	7.506	
18,900.00	12,182.01	18,719.56	12,091.10	93.90	100.92	-86.32	-6,590.02	2,640.11	1,433.23	1,239.60	193.63	7.402	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	12,182.88	18,819.56	12,091.80	95.23	102.28	-86.32	-6,690.01	2,641.02	1,433.29	1,236.97	196.32	7.301	
19,100.00	12,183.75	18,919.56	12,092.50	96.56	103.63	-86.31	-6,790.01	2,641.93	1,433.35	1,234.33	199.02	7.202	
19,200.00	12,184.62	19,019.56	12,093.19	97.89	104.99	-86.30	-6,890.00	2,642.84	1,433.41	1,231.70	201.71	7.106	
19,300.00	12,185.50	19,119.56	12,093.89	99.22	106.35	-86.30	-6,989.99	2,643.75	1,433.47	1,229.06	204.41	7.013	
19,400.00	12,186.37	19,219.56	12,094.59	100.55	107.70	-86.29	-7,089.99	2,644.65	1,433.52	1,226.42	207.10	6.922	
19,500.00	12,187.24	19,319.56	12,095.29	101.88	109.06	-86.28	-7,189.98	2,645.56	1,433.58	1,223.78	209.80	6.833	
19,600.00	12,188.11	19,419.56	12,095.99	103.21	110.42	-86.28	-7,289.97	2,646.47	1,433.64	1,221.14	212.50	6.747	
19,700.00	12,188.98	19,519.56	12,096.69	104.54	111.78	-86.27	-7,389.97	2,647.38	1,433.70	1,218.50	215.20	6.662	
19,800.00	12,189.85	19,619.56	12,097.39	105.88	113.14	-86.26	-7,489.96	2,648.29	1,433.76	1,215.86	217.90	6.580	
19,900.00	12,190.73	19,719.56	12,098.09	107.21	114.50	-86.26	-7,589.95	2,649.20	1,433.82	1,213.22	220.60	6.500	
20,000.00	12,191.60	19,819.56	12,098.79	108.55	115.86	-86.25	-7,689.95	2,650.11	1,433.88	1,210.57	223.30	6.421	
20,100.00	12,192.47	19,919.56	12,099.49	109.89	117.22	-86.24	-7,789.94	2,651.02	1,433.93	1,207.93	226.01	6.345	
20,200.00	12,193.34	20,019.56	12,100.19	111.23	118.58	-86.24	-7,889.93	2,651.92	1,433.99	1,205.28	228.71	6.270	
20,300.00	12,194.21	20,119.56	12,100.88	112.56	119.94	-86.23	-7,989.93	2,652.83	1,434.05	1,202.64	231.41	6.197	
20,400.00	12,195.08	20,219.56	12,101.58	113.90	121.30	-86.22	-8,089.92	2,653.74	1,434.11	1,199.99	234.12	6.126	
20,500.00	12,195.96	20,319.56	12,102.28	115.24	122.66	-86.22	-8,189.91	2,654.65	1,434.17	1,197.35	236.82	6.056	
20,600.00	12,196.83	20,419.56	12,102.98	116.58	124.02	-86.21	-8,289.91	2,655.56	1,434.23	1,194.70	239.53	5.988	
20,700.00	12,197.70	20,519.56	12,103.68	117.93	125.38	-86.20	-8,389.90	2,656.47	1,434.29	1,192.05	242.23	5.921	
20,800.00	12,198.57	20,619.56	12,104.38	119.27	126.74	-86.19	-8,489.89	2,657.38	1,434.35	1,189.40	244.94	5.856	
20,900.00	12,199.44	20,719.56	12,105.08	120.61	128.10	-86.19	-8,589.89	2,658.29	1,434.40	1,186.75	247.65	5.792	
21,000.00	12,200.31	20,819.56	12,105.78	121.95	129.46	-86.18	-8,689.88	2,659.19	1,434.46	1,184.11	250.36	5.730	
21,100.00	12,201.19	20,919.56	12,106.48	123.30	130.82	-86.17	-8,789.87	2,660.10	1,434.52	1,181.46	253.07	5.669	
21,200.00	12,202.06	21,019.56	12,107.18	124.64	132.18	-86.17	-8,889.87	2,661.01	1,434.58	1,178.81	255.77	5.609	
21,300.00	12,202.93	21,119.56	12,107.88	125.99	133.55	-86.16	-8,989.86	2,661.92	1,434.64	1,176.15	258.48	5.550	
21,400.00	12,203.80	21,219.56	12,108.58	127.33	134.91	-86.15	-9,089.85	2,662.83	1,434.70	1,173.50	261.19	5.493	
21,500.00	12,204.67	21,319.56	12,109.27	128.68	136.27	-86.15	-9,189.84	2,663.74	1,434.76	1,170.85	263.90	5.437	
21,600.00	12,205.54	21,419.55	12,109.97	130.03	137.63	-86.14	-9,289.84	2,664.65	1,434.82	1,168.20	266.62	5.382	
21,700.00	12,206.41	21,519.55	12,110.67	131.37	138.99	-86.13	-9,389.83	2,665.56	1,434.87	1,165.55	269.33	5.328	
21,800.00	12,207.29	21,619.55	12,111.37	132.72	140.36	-86.13	-9,489.82	2,666.46	1,434.93	1,162.90	272.04	5.275	
21,900.00	12,208.16	21,719.55	12,112.07	134.07	141.72	-86.12	-9,589.82	2,667.37	1,434.99	1,160.24	274.75	5.223	
22,000.00	12,209.03	21,819.55	12,112.77	135.42	143.08	-86.11	-9,689.81	2,668.28	1,435.05	1,157.59	277.46	5.172	
22,100.00	12,209.90	21,919.55	12,113.47	136.77	144.45	-86.11	-9,789.80	2,669.19	1,435.11	1,154.94	280.18	5.122	
22,200.00	12,210.77	22,019.55	12,114.17	138.12	145.81	-86.10	-9,889.80	2,670.10	1,435.17	1,152.28	282.89	5.073	
22,300.00	12,211.64	22,119.55	12,114.87	139.47	147.17	-86.09	-9,989.79	2,671.01	1,435.23	1,149.63	285.60	5.025	
22,400.00	12,212.52	22,219.55	12,115.57	140.82	148.54	-86.09	-10,089.78	2,671.92	1,435.29	1,146.97	288.32	4.978	
22,500.00	12,213.39	22,319.55	12,116.27	142.17	149.90	-86.08	-10,189.78	2,672.83	1,435.35	1,144.32	291.03	4.932	
22,512.90	12,213.50	22,332.45	12,116.36	142.34	150.07	-86.08	-10,202.67	2,672.94	1,435.35	1,143.98	291.38	4.926	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-185.00	0.00	185.00				
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-185.00	0.00	185.00	183.04	1.96	94.283	
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-185.00	0.00	185.00	181.88	3.12	59.252	
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-185.00	0.00	185.00	181.04	3.96	46.690	CC
400.00	399.99	399.99	399.99	2.41	2.33	104.24	-185.00	0.00	185.32	180.66	4.66	39.761	ES
500.00	499.91	499.91	499.91	2.78	2.63	105.39	-185.00	0.00	186.32	181.05	5.27	35.342	
600.00	599.69	599.69	599.69	3.12	2.91	107.28	-185.00	0.00	188.17	182.34	5.83	32.278	
633.33	632.91	632.91	632.91	3.15	2.99	108.07	-185.00	0.00	189.01	183.06	5.94	31.804	
700.00	699.32	699.32	699.32	3.25	3.16	109.72	-185.00	0.00	190.90	184.67	6.22	30.684	
800.00	798.94	798.94	798.94	3.50	3.40	112.14	-185.00	0.00	194.02	187.30	6.72	28.889	
900.00	898.56	903.11	903.10	3.74	3.69	114.78	-183.69	-0.48	196.34	189.10	7.24	27.131	
1,000.00	998.18	1,006.82	1,006.72	3.97	3.96	117.81	-179.75	-1.93	196.79	189.06	7.73	25.471	
1,047.26	1,045.26	1,053.81	1,053.64	4.08	4.05	119.26	-177.45	-2.78	196.72	188.79	7.93	24.807	
1,100.00	1,097.80	1,106.25	1,106.01	4.20	4.16	120.89	-174.87	-3.73	196.80	188.64	8.16	24.124	
1,200.00	1,197.42	1,205.68	1,205.31	4.42	4.35	123.96	-169.99	-5.53	197.39	188.82	8.57	23.022	
1,300.00	1,297.04	1,307.26	1,306.72	4.64	4.47	127.15	-164.60	-7.52	198.26	189.35	8.90	22.272	
1,400.00	1,396.66	1,410.24	1,409.37	4.86	4.72	130.87	-156.81	-10.39	198.06	188.72	9.34	21.211	
1,500.00	1,496.28	1,512.65	1,511.18	5.07	4.95	135.17	-146.49	-14.19	196.97	187.22	9.75	20.205	
1,600.00	1,595.90	1,612.51	1,610.21	5.28	5.07	139.91	-134.44	-18.64	195.75	185.67	10.07	19.430	
1,646.90	1,642.62	1,658.78	1,656.08	5.37	5.17	142.13	-128.77	-20.73	195.60	185.33	10.26	19.059	
1,700.00	1,695.52	1,711.15	1,708.01	5.48	5.27	144.65	-122.36	-23.09	195.79	185.31	10.48	18.689	
1,800.00	1,795.14	1,809.79	1,805.80	5.69	5.46	149.36	-110.27	-27.54	197.21	186.33	10.87	18.135	
1,900.00	1,894.76	1,908.43	1,903.60	5.89	5.66	153.98	-98.19	-32.00	199.97	188.70	11.27	17.745	
2,000.00	1,994.38	2,007.07	2,001.40	6.09	5.85	158.44	-86.11	-36.45	204.02	192.36	11.66	17.497	
2,100.00	2,094.00	2,105.72	2,099.19	6.29	6.04	162.71	-74.03	-40.90	209.29	197.24	12.05	17.370	
2,200.00	2,193.62	2,204.36	2,196.99	6.50	6.23	166.76	-61.95	-45.36	215.68	203.24	12.44	17.331	
2,206.41	2,200.00	2,210.68	2,203.26	6.52	6.25	167.01	-61.17	-45.64	216.13	203.66	12.47	17.332	
2,300.00	2,293.13	2,302.87	2,294.66	6.72	6.43	170.58	-49.88	-49.80	224.23	211.39	12.84	17.460	
2,400.00	2,392.34	2,401.06	2,392.01	6.95	6.62	174.17	-37.86	-54.24	236.31	223.05	13.26	17.826	
2,500.00	2,491.20	2,498.85	2,488.97	7.18	6.81	177.44	-25.88	-58.65	251.83	238.16	13.67	18.424	
2,600.00	2,589.63	2,596.19	2,585.47	7.41	7.00	-179.67	-13.96	-63.05	270.66	256.58	14.08	19.224	
2,700.00	2,687.57	2,692.99	2,681.45	7.65	7.19	-177.16	-2.10	-67.42	292.63	278.14	14.49	20.199	
2,800.00	2,784.94	2,789.20	2,776.83	7.88	7.37	-175.02	9.68	-71.76	317.59	302.70	14.89	21.324	
2,873.30	2,855.92	2,859.31	2,846.34	8.02	7.51	-173.68	18.27	-74.93	337.72	322.56	15.16	22.276	
2,900.00	2,881.71	2,884.78	2,871.59	8.06	7.56	-173.24	21.39	-76.08	345.33	330.08	15.25	22.650	
3,000.00	2,978.30	2,980.17	2,966.16	8.28	7.74	-171.76	33.07	-80.38	373.99	358.36	15.63	23.933	
3,100.00	3,074.89	3,075.55	3,060.73	8.49	7.93	-170.49	44.75	-84.69	402.84	386.83	16.01	25.164	
3,200.00	3,171.49	3,170.94	3,155.31	8.71	8.11	-169.39	56.44	-89.00	431.86	415.46	16.39	26.344	
3,300.00	3,268.08	3,266.33	3,249.88	8.93	8.30	-168.43	68.12	-93.30	461.00	444.22	16.78	27.475	
3,400.00	3,364.67	3,361.72	3,344.45	9.16	8.48	-167.58	79.80	-97.61	490.25	473.08	17.17	28.558	
3,500.00	3,461.26	3,457.11	3,439.02	9.42	8.67	-166.82	91.49	-101.92	519.58	502.03	17.56	29.595	
3,600.00	3,557.85	3,552.50	3,533.60	9.70	8.85	-166.15	103.17	-106.22	548.99	531.04	17.95	30.589	
3,700.00	3,654.44	3,647.89	3,628.17	10.00	9.04	-165.55	114.85	-110.53	578.46	560.12	18.34	31.541	
3,800.00	3,751.03	3,743.27	3,722.74	10.30	9.22	-165.00	126.54	-114.84	607.99	589.25	18.73	32.453	
3,900.00	3,847.62	3,838.66	3,817.31	10.61	9.41	-164.50	138.22	-119.14	637.56	618.43	19.13	33.327	
4,000.00	3,944.21	3,934.05	3,911.89	10.93	9.59	-164.05	149.90	-123.45	667.17	647.64	19.53	34.165	
4,100.00	4,040.80	4,029.44	4,006.46	11.25	9.78	-163.64	161.58	-127.76	696.81	676.89	19.93	34.969	
4,200.00	4,137.40	4,124.83	4,101.03	11.57	9.96	-163.26	173.27	-132.06	726.49	706.16	20.33	35.741	
4,300.00	4,233.99	4,220.22	4,195.60	11.89	10.15	-162.91	184.95	-136.37	756.19	735.47	20.73	36.483	
4,400.00	4,330.58	4,315.61	4,290.18	12.21	10.33	-162.58	196.63	-140.68	785.92	764.79	21.13	37.195	
4,500.00	4,427.17	4,411.00	4,384.75	12.54	10.52	-162.28	208.32	-144.98	815.67	794.14	21.53	37.880	
4,600.00	4,523.76	4,506.38	4,479.32	12.87	10.70	-162.01	220.00	-149.29	845.44	823.50	21.94	38.539	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,620.35	4,601.77	4,573.89	13.20	10.89	-161.75	231.68	-153.60	875.22	852.88	22.34	39.173	
4,800.00	4,716.94	4,697.16	4,668.47	13.53	11.07	-161.50	243.37	-157.90	905.02	882.27	22.75	39.780	
4,900.00	4,813.53	4,802.72	4,773.28	13.86	11.29	-161.33	255.06	-162.21	934.34	911.15	23.19	40.293	
5,000.00	4,910.12	4,909.61	4,879.73	14.19	11.50	-161.33	264.13	-165.56	962.56	938.95	23.61	40.767	
5,100.00	5,006.72	5,017.14	4,987.05	14.53	11.70	-161.50	270.44	-167.88	989.68	965.67	24.01	41.216	
5,200.00	5,103.31	5,125.15	5,094.99	14.86	11.89	-161.82	273.91	-169.16	1,015.69	991.31	24.39	41.650	
5,300.00	5,199.90	5,230.06	5,199.90	15.20	12.02	-162.26	274.64	-169.43	1,040.68	1,015.95	24.72	42.091	
5,400.00	5,296.49	5,326.65	5,296.49	15.53	12.10	-162.69	274.64	-169.43	1,065.44	1,040.41	25.03	42.565	
5,500.00	5,393.08	5,423.24	5,393.08	15.87	12.19	-163.09	274.64	-169.43	1,090.25	1,064.91	25.34	43.026	
5,600.00	5,489.67	5,519.83	5,489.67	16.21	12.27	-163.47	274.64	-169.43	1,115.12	1,089.47	25.65	43.478	
5,700.00	5,586.26	5,616.43	5,586.26	16.55	12.36	-163.84	274.64	-169.43	1,140.02	1,114.07	25.96	43.920	
5,800.00	5,682.85	5,713.02	5,682.85	16.89	12.44	-164.20	274.64	-169.43	1,164.97	1,138.71	26.27	44.353	
5,900.00	5,779.44	5,809.61	5,779.44	17.23	12.53	-164.54	274.64	-169.43	1,189.97	1,163.39	26.58	44.778	
5,915.24	5,794.17	5,824.33	5,794.17	17.27	12.54	-164.59	274.64	-169.43	1,193.78	1,167.16	26.62	44.852	
6,000.00	5,876.27	5,906.44	5,876.27	17.54	12.61	-164.93	274.64	-169.43	1,214.11	1,187.24	26.87	45.177	
6,100.00	5,973.71	6,003.88	5,973.71	17.85	12.70	-165.29	274.64	-169.43	1,235.86	1,208.67	27.19	45.455	
6,200.00	6,071.71	6,101.87	6,071.71	18.12	12.78	-165.59	274.64	-169.43	1,255.15	1,227.65	27.50	45.646	
6,300.00	6,170.19	6,200.36	6,170.19	18.37	12.87	-165.85	274.64	-169.43	1,271.96	1,244.16	27.80	45.754	
6,400.00	6,269.10	6,299.26	6,269.10	18.59	12.95	-166.06	274.64	-169.43	1,286.28	1,258.18	28.10	45.781	
6,500.00	6,368.35	6,398.52	6,368.35	18.78	13.04	-166.23	274.64	-169.43	1,298.09	1,269.70	28.39	45.731	
6,600.00	6,467.89	6,498.05	6,467.89	18.94	13.13	-166.37	274.64	-169.43	1,307.37	1,278.71	28.66	45.610	
6,700.00	6,567.65	6,597.81	6,567.65	19.07	13.21	-166.46	274.64	-169.43	1,314.12	1,285.19	28.93	45.420	
6,800.00	6,667.55	6,697.71	6,667.55	19.18	13.30	-166.52	274.64	-169.43	1,318.33	1,289.15	29.19	45.169	
6,900.00	6,767.53	6,797.70	6,767.53	19.26	13.39	-166.54	274.64	-169.43	1,320.00	1,290.58	29.42	44.875	
6,915.47	6,783.00	6,813.16	6,783.00	19.26	13.40	-90.39	274.64	-169.43	1,320.03	1,290.60	29.44	44.845	
7,000.00	6,867.53	6,897.70	6,867.53	19.30	13.47	-90.39	274.64	-169.43	1,320.03	1,290.49	29.54	44.680	
7,100.00	6,967.53	6,997.70	6,967.53	19.35	13.56	-90.39	274.64	-169.43	1,320.03	1,290.35	29.68	44.472	
7,200.00	7,067.53	7,097.70	7,067.53	19.40	13.65	-90.39	274.64	-169.43	1,320.03	1,290.21	29.82	44.265	
7,300.00	7,167.53	7,197.70	7,167.53	19.45	13.73	-90.39	274.64	-169.43	1,320.03	1,290.07	29.96	44.061	
7,400.00	7,267.53	7,297.70	7,267.53	19.50	13.82	-90.39	274.64	-169.43	1,320.03	1,289.93	30.10	43.858	
7,500.00	7,367.53	7,397.70	7,367.53	19.55	13.91	-90.39	274.64	-169.43	1,320.03	1,289.79	30.24	43.656	
7,600.00	7,467.53	7,497.70	7,467.53	19.60	13.99	-90.39	274.64	-169.43	1,320.03	1,289.65	30.38	43.456	
7,700.00	7,567.53	7,597.70	7,567.53	19.65	14.08	-90.39	274.64	-169.43	1,320.03	1,289.52	30.52	43.258	
7,800.00	7,667.53	7,697.70	7,667.53	19.71	14.17	-90.39	274.64	-169.43	1,320.03	1,289.38	30.65	43.061	
7,900.00	7,767.53	7,797.70	7,767.53	19.76	14.25	-90.39	274.64	-169.43	1,320.03	1,289.24	30.79	42.866	
8,000.00	7,867.53	7,897.70	7,867.53	19.81	14.34	-90.39	274.64	-169.43	1,320.03	1,289.10	30.93	42.673	
8,100.00	7,967.53	7,997.70	7,967.53	19.86	14.43	-90.39	274.64	-169.43	1,320.03	1,288.96	31.07	42.481	
8,200.00	8,067.53	8,097.70	8,067.53	19.92	14.51	-90.39	274.64	-169.43	1,320.03	1,288.82	31.21	42.290	
8,300.00	8,167.53	8,197.70	8,167.53	19.97	14.60	-90.39	274.64	-169.43	1,320.03	1,288.68	31.35	42.101	
8,400.00	8,267.53	8,297.70	8,267.53	20.02	14.68	-90.39	274.64	-169.43	1,320.03	1,288.54	31.49	41.914	
8,500.00	8,367.53	8,397.70	8,367.53	20.08	14.77	-90.39	274.64	-169.43	1,320.03	1,288.40	31.63	41.727	
8,600.00	8,467.53	8,497.70	8,467.53	20.13	14.86	-90.39	274.64	-169.43	1,320.03	1,288.26	31.78	41.543	
8,700.00	8,567.53	8,597.70	8,567.53	20.18	14.94	-90.39	274.64	-169.43	1,320.03	1,288.11	31.92	41.360	
8,800.00	8,667.53	8,697.70	8,667.53	20.24	15.03	-90.39	274.64	-169.43	1,320.03	1,287.97	32.06	41.178	
8,900.00	8,767.53	8,797.70	8,767.53	20.29	15.11	-90.39	274.64	-169.43	1,320.03	1,287.83	32.20	40.997	
9,000.00	8,867.53	8,897.70	8,867.53	20.35	15.20	-90.39	274.64	-169.43	1,320.03	1,287.69	32.34	40.818	
9,100.00	8,967.53	8,997.70	8,967.53	20.40	15.28	-90.39	274.64	-169.43	1,320.03	1,287.55	32.48	40.641	
9,200.00	9,067.53	9,097.70	9,067.53	20.45	15.37	-90.39	274.64	-169.43	1,320.03	1,287.41	32.62	40.464	
9,300.00	9,167.53	9,197.70	9,167.53	20.51	15.46	-90.39	274.64	-169.43	1,320.03	1,287.27	32.76	40.289	
9,400.00	9,267.53	9,297.70	9,267.53	20.56	15.54	-90.39	274.64	-169.43	1,320.03	1,287.12	32.91	40.116	
9,500.00	9,367.53	9,397.70	9,367.53	20.62	15.63	-90.39	274.64	-169.43	1,320.03	1,286.98	33.05	39.943	
9,600.00	9,467.53	9,497.70	9,467.53	20.68	15.71	-90.39	274.64	-169.43	1,320.03	1,286.84	33.19	39.772	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,597.70	9,567.53	20.73	15.80	-90.39	274.64	-169.43	1,320.03	1,286.70	33.33	39.602	
9,800.00	9,667.53	9,697.70	9,667.53	20.79	15.88	-90.39	274.64	-169.43	1,320.03	1,286.56	33.47	39.434	
9,900.00	9,767.53	9,797.70	9,767.53	20.84	15.97	-90.39	274.64	-169.43	1,320.03	1,286.41	33.62	39.267	
10,000.00	9,867.53	9,897.70	9,867.53	20.90	16.05	-90.39	274.64	-169.43	1,320.03	1,286.27	33.76	39.101	
10,100.00	9,967.53	9,997.70	9,967.53	20.95	16.14	-90.39	274.64	-169.43	1,320.03	1,286.13	33.90	38.936	
10,200.00	10,067.53	10,097.70	10,067.53	21.01	16.22	-90.39	274.64	-169.43	1,320.03	1,285.99	34.05	38.773	
10,300.00	10,167.53	10,197.70	10,167.53	21.07	16.31	-90.39	274.64	-169.43	1,320.03	1,285.84	34.19	38.610	
10,400.00	10,267.53	10,297.70	10,267.53	21.12	16.40	-90.39	274.64	-169.43	1,320.03	1,285.70	34.33	38.449	
10,500.00	10,367.53	10,397.70	10,367.53	21.18	16.48	-90.39	274.64	-169.43	1,320.03	1,285.56	34.48	38.289	
10,600.00	10,467.53	10,497.70	10,467.53	21.24	16.57	-90.39	274.64	-169.43	1,320.03	1,285.41	34.62	38.131	
10,700.00	10,567.53	10,597.70	10,567.53	21.30	16.65	-90.39	274.64	-169.43	1,320.03	1,285.27	34.76	37.973	
10,800.00	10,667.53	10,697.70	10,667.53	21.35	16.74	-90.39	274.64	-169.43	1,320.03	1,285.12	34.91	37.817	
10,900.00	10,767.53	10,797.70	10,767.53	21.41	16.82	-90.39	274.64	-169.43	1,320.03	1,284.98	35.05	37.661	
11,000.00	10,867.53	10,897.70	10,867.53	21.47	16.91	-90.39	274.64	-169.43	1,320.03	1,284.84	35.19	37.507	
11,100.00	10,967.53	10,997.70	10,967.53	21.53	16.99	-90.39	274.64	-169.43	1,320.03	1,284.69	35.34	37.354	
11,200.00	11,067.53	11,097.70	11,067.53	21.58	17.08	-90.39	274.64	-169.43	1,320.03	1,284.55	35.48	37.202	
11,300.00	11,167.53	11,197.70	11,167.53	21.64	17.16	-90.39	274.64	-169.43	1,320.03	1,284.40	35.63	37.051	
11,400.00	11,267.53	11,297.70	11,267.53	21.70	17.25	-90.39	274.64	-169.43	1,320.03	1,284.26	35.77	36.902	
11,500.00	11,367.53	11,397.70	11,367.53	21.76	17.33	-90.39	274.64	-169.43	1,320.03	1,284.11	35.92	36.753	
11,600.00	11,467.53	11,497.70	11,467.53	21.82	17.42	-90.39	274.64	-169.43	1,320.03	1,283.97	36.06	36.605	
11,686.47	11,554.00	11,584.18	11,554.01	21.86	17.48	-90.39	274.63	-169.43	1,320.03	1,283.86	36.17	36.496	
11,700.00	11,567.53	11,597.76	11,567.60	21.86	17.48	90.10	274.40	-169.43	1,320.03	1,283.86	36.17	36.497	
11,750.00	11,617.40	11,647.95	11,617.64	21.90	17.49	90.09	270.75	-169.40	1,320.03	1,283.90	36.13	36.539	
11,800.00	11,666.79	11,698.12	11,667.14	21.93	17.51	90.08	262.75	-169.33	1,320.03	1,283.98	36.05	36.614	
11,850.00	11,715.32	11,748.26	11,715.73	21.95	17.51	90.06	250.45	-169.22	1,320.03	1,284.08	35.95	36.720	
11,900.00	11,762.62	11,798.37	11,763.04	21.97	17.52	90.05	233.96	-169.08	1,320.03	1,284.21	35.82	36.854	
11,950.00	11,808.34	11,848.45	11,808.70	21.99	17.52	90.03	213.42	-168.90	1,320.03	1,284.36	35.67	37.010	
12,000.00	11,852.12	11,898.50	11,852.36	22.01	17.52	90.02	188.99	-168.69	1,320.03	1,284.53	35.50	37.183	
12,016.22	11,865.85	11,914.74	11,866.05	22.01	17.52	90.02	180.25	-168.62	1,320.03	1,284.58	35.44	37.242	
12,050.00	11,893.63	11,948.53	11,893.71	22.03	17.53	90.01	160.85	-168.45	1,320.03	1,284.70	35.33	37.367	
12,100.00	11,932.55	11,998.52	11,932.42	22.05	17.53	89.99	129.24	-168.18	1,320.03	1,284.88	35.15	37.553	
12,150.00	11,968.60	12,048.49	11,968.21	22.09	17.53	89.98	94.40	-167.88	1,320.03	1,285.04	34.99	37.731	
12,200.00	12,001.49	12,098.43	12,000.81	22.13	17.53	89.96	56.59	-167.55	1,320.03	1,285.19	34.84	37.893	
12,250.00	12,030.97	12,148.34	12,029.98	22.19	17.53	89.95	16.11	-167.20	1,320.03	1,285.32	34.71	38.027	
12,300.00	12,056.82	12,198.22	12,055.50	22.26	17.53	89.93	-26.72	-166.84	1,320.03	1,285.41	34.62	38.125	
12,350.00	12,078.85	12,248.07	12,077.20	22.35	17.54	89.92	-71.59	-166.45	1,320.03	1,285.45	34.58	38.177	
12,400.00	12,096.88	12,297.90	12,094.90	22.47	17.55	89.91	-118.15	-166.05	1,320.03	1,285.45	34.58	38.177	
12,450.00	12,110.78	12,347.71	12,108.49	22.60	17.56	89.90	-166.05	-165.64	1,320.03	1,285.40	34.63	38.120	
12,500.00	12,120.45	12,397.49	12,117.86	22.75	17.58	89.89	-214.93	-165.21	1,320.03	1,285.30	34.74	38.003	
12,550.00	12,125.80	12,447.26	12,122.95	22.93	17.60	89.88	-264.41	-164.79	1,320.03	1,285.14	34.90	37.827	
12,581.47	12,126.94	12,478.58	12,123.96	23.05	17.61	89.87	-295.71	-164.52	1,320.03	1,285.01	35.02	37.689	
12,600.00	12,127.10	12,497.11	12,124.12	23.12	17.62	89.87	-314.24	-164.36	1,320.03	1,284.92	35.11	37.598	
12,700.00	12,127.97	12,597.11	12,124.99	23.56	17.69	89.87	-414.23	-163.50	1,320.03	1,284.31	35.73	36.948	
12,800.00	12,128.84	12,697.11	12,125.86	24.06	17.79	89.87	-514.22	-162.64	1,320.03	1,283.49	36.54	36.125	
12,900.00	12,129.71	12,797.11	12,126.73	24.61	17.94	89.87	-614.22	-161.78	1,320.03	1,282.49	37.54	35.163	
13,000.00	12,130.58	12,897.11	12,127.60	25.21	18.20	89.87	-714.21	-160.92	1,320.04	1,281.32	38.71	34.100	
13,100.00	12,131.46	12,997.11	12,128.48	25.87	18.60	89.87	-814.20	-160.05	1,320.04	1,280.00	40.04	32.971	
13,200.00	12,132.33	13,097.11	12,129.35	26.56	19.16	89.87	-914.19	-159.19	1,320.04	1,278.53	41.50	31.807	
13,300.00	12,133.20	13,197.11	12,130.22	27.30	19.85	89.87	-1,014.19	-158.33	1,320.04	1,276.94	43.09	30.632	
13,400.00	12,134.07	13,297.11	12,131.09	28.08	20.64	89.87	-1,114.18	-157.47	1,320.04	1,275.24	44.80	29.467	
13,500.00	12,134.94	13,397.11	12,131.96	28.90	21.50	89.87	-1,214.17	-156.61	1,320.04	1,273.44	46.60	28.327	
13,600.00	12,135.81	13,497.11	12,132.83	29.75	22.42	89.87	-1,314.16	-155.75	1,320.04	1,271.55	48.49	27.222	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.00	12,136.69	13,597.11	12,133.70	30.63	23.40	89.87	-1,414.16	-154.89	1,320.04	1,269.58	50.46	26.160	
13,800.00	12,137.56	13,697.11	12,134.57	31.55	24.41	89.87	-1,514.15	-154.03	1,320.04	1,267.54	52.50	25.144	
13,900.00	12,138.43	13,797.11	12,135.45	32.50	25.47	89.87	-1,614.14	-153.17	1,320.04	1,265.44	54.60	24.176	
14,000.00	12,139.30	13,897.11	12,136.32	33.47	26.55	89.87	-1,714.13	-152.31	1,320.04	1,263.28	56.76	23.258	
14,100.00	12,140.17	13,997.11	12,137.19	34.47	27.66	89.87	-1,814.13	-151.45	1,320.04	1,261.08	58.96	22.389	
14,200.00	12,141.04	14,097.11	12,138.06	35.49	28.79	89.87	-1,914.12	-150.58	1,320.04	1,258.83	61.21	21.567	
14,300.00	12,141.92	14,197.11	12,138.93	36.53	29.94	89.87	-2,014.11	-149.72	1,320.04	1,256.55	63.49	20.791	
14,400.00	12,142.79	14,297.11	12,139.80	37.59	31.11	89.87	-2,114.10	-148.86	1,320.04	1,254.23	65.81	20.058	
14,500.00	12,143.66	14,397.11	12,140.67	38.67	32.30	89.87	-2,214.10	-148.00	1,320.04	1,251.88	68.16	19.366	
14,600.00	12,144.53	14,497.11	12,141.54	39.77	33.50	89.87	-2,314.09	-147.14	1,320.04	1,249.50	70.54	18.713	
14,700.00	12,145.40	14,597.11	12,142.42	40.88	34.72	89.87	-2,414.08	-146.28	1,320.04	1,247.09	72.95	18.096	
14,800.00	12,146.27	14,697.11	12,143.29	42.01	35.94	89.87	-2,514.07	-145.42	1,320.04	1,244.67	75.37	17.513	
14,900.00	12,147.14	14,797.11	12,144.16	43.15	37.18	89.87	-2,614.07	-144.56	1,320.04	1,242.22	77.82	16.962	
15,000.00	12,148.02	14,897.11	12,145.03	44.31	38.42	89.87	-2,714.06	-143.70	1,320.04	1,239.75	80.29	16.441	
15,100.00	12,148.89	14,997.11	12,145.90	45.47	39.67	89.87	-2,814.05	-142.84	1,320.04	1,237.27	82.77	15.948	
15,200.00	12,149.76	15,097.11	12,146.77	46.65	40.94	89.87	-2,914.04	-141.97	1,320.04	1,234.77	85.27	15.480	
15,300.00	12,150.63	15,197.11	12,147.64	47.83	42.20	89.87	-3,014.04	-141.11	1,320.04	1,232.26	87.79	15.037	
15,400.00	12,151.50	15,297.11	12,148.51	49.03	43.48	89.87	-3,114.03	-140.25	1,320.04	1,229.73	90.31	14.616	
15,500.00	12,152.37	15,397.11	12,149.39	50.23	44.76	89.87	-3,214.02	-139.39	1,320.04	1,227.19	92.85	14.217	
15,600.00	12,153.25	15,497.11	12,150.26	51.45	46.04	89.87	-3,314.01	-138.53	1,320.04	1,224.64	95.40	13.837	
15,700.00	12,154.12	15,597.11	12,151.13	52.67	47.33	89.87	-3,414.01	-137.67	1,320.04	1,222.08	97.96	13.475	
15,800.00	12,154.99	15,697.11	12,152.00	53.89	48.63	89.87	-3,514.00	-136.81	1,320.04	1,219.51	100.53	13.131	
15,900.00	12,155.86	15,797.11	12,152.87	55.13	49.92	89.87	-3,613.99	-135.95	1,320.04	1,216.93	103.11	12.802	
16,000.00	12,156.73	15,897.11	12,153.74	56.37	51.23	89.87	-3,713.98	-135.09	1,320.04	1,214.35	105.70	12.489	
16,100.00	12,157.60	15,997.11	12,154.61	57.61	52.53	89.87	-3,813.98	-134.23	1,320.05	1,211.75	108.29	12.190	
16,200.00	12,158.48	16,097.11	12,155.48	58.86	53.84	89.87	-3,913.97	-133.37	1,320.05	1,209.15	110.89	11.904	
16,300.00	12,159.35	16,197.11	12,156.36	60.12	55.15	89.87	-4,013.96	-132.50	1,320.05	1,206.55	113.50	11.630	
16,400.00	12,160.22	16,297.11	12,157.23	61.38	56.47	89.87	-4,113.95	-131.64	1,320.05	1,203.93	116.11	11.369	
16,500.00	12,161.09	16,397.11	12,158.10	62.65	57.78	89.87	-4,213.95	-130.78	1,320.05	1,201.31	118.73	11.118	
16,600.00	12,161.96	16,497.11	12,158.97	63.92	59.10	89.87	-4,313.94	-129.92	1,320.05	1,198.69	121.36	10.877	
16,700.00	12,162.83	16,597.11	12,159.84	65.19	60.42	89.87	-4,413.93	-129.06	1,320.05	1,196.06	123.99	10.647	
16,800.00	12,163.71	16,697.11	12,160.71	66.47	61.75	89.87	-4,513.92	-128.20	1,320.05	1,193.43	126.62	10.425	
16,900.00	12,164.58	16,797.11	12,161.58	67.75	63.07	89.87	-4,613.92	-127.34	1,320.05	1,190.79	129.26	10.212	
17,000.00	12,165.45	16,897.11	12,162.45	69.04	64.40	89.87	-4,713.91	-126.48	1,320.05	1,188.15	131.90	10.008	
17,100.00	12,166.32	16,997.11	12,163.33	70.32	65.73	89.87	-4,813.90	-125.62	1,320.05	1,185.50	134.55	9.811	
17,200.00	12,167.19	17,097.11	12,164.20	71.61	67.06	89.87	-4,913.89	-124.76	1,320.05	1,182.85	137.20	9.622	
17,300.00	12,168.06	17,197.11	12,165.07	72.91	68.39	89.87	-5,013.89	-123.89	1,320.05	1,180.20	139.85	9.439	
17,400.00	12,168.94	17,297.11	12,165.94	74.21	69.73	89.87	-5,113.88	-123.03	1,320.05	1,177.54	142.51	9.263	
17,500.00	12,169.81	17,397.11	12,166.81	75.50	71.06	89.87	-5,213.87	-122.17	1,320.05	1,174.88	145.17	9.093	
17,600.00	12,170.68	17,497.11	12,167.68	76.81	72.40	89.87	-5,313.86	-121.31	1,320.05	1,172.22	147.83	8.929	
17,700.00	12,171.55	17,597.11	12,168.55	78.11	73.74	89.87	-5,413.86	-120.45	1,320.05	1,169.55	150.50	8.771	
17,800.00	12,172.42	17,697.11	12,169.42	79.42	75.08	89.87	-5,513.85	-119.59	1,320.05	1,166.89	153.16	8.619	
17,900.00	12,173.29	17,797.11	12,170.30	80.72	76.42	89.87	-5,613.84	-118.73	1,320.05	1,164.22	155.83	8.471	
18,000.00	12,174.17	17,897.11	12,171.17	82.03	77.76	89.87	-5,713.83	-117.87	1,320.05	1,161.54	158.51	8.328	
18,100.00	12,175.04	17,997.11	12,172.04	83.35	79.10	89.87	-5,813.83	-117.01	1,320.05	1,158.87	161.18	8.190	
18,200.00	12,175.91	18,097.11	12,172.91	84.66	80.44	89.87	-5,913.82	-116.15	1,320.05	1,156.19	163.86	8.056	
18,300.00	12,176.78	18,197.11	12,173.78	85.98	81.79	89.87	-6,013.81	-115.29	1,320.05	1,153.51	166.54	7.926	
18,400.00	12,177.65	18,297.11	12,174.65	87.29	83.13	89.87	-6,113.80	-114.42	1,320.05	1,150.83	169.22	7.801	
18,500.00	12,178.52	18,397.11	12,175.52	88.61	84.48	89.87	-6,213.80	-113.56	1,320.05	1,148.15	171.90	7.679	
18,600.00	12,179.39	18,497.11	12,176.39	89.93	85.82	89.87	-6,313.79	-112.70	1,320.05	1,145.47	174.59	7.561	
18,700.00	12,180.27	18,597.11	12,177.27	91.26	87.17	89.87	-6,413.78	-111.84	1,320.05	1,142.78	177.27	7.446	
18,800.00	12,181.14	18,697.11	12,178.14	92.58	88.52	89.87	-6,513.77	-110.98	1,320.05	1,140.09	179.96	7.335	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,900.00	12,182.01	18,797.11	12,179.01	93.90	89.87	89.87	-6,613.77	-110.12	1,320.05	1,137.40	182.65	7.227	
19,000.00	12,182.88	18,897.11	12,179.88	95.23	91.22	89.87	-6,713.76	-109.26	1,320.05	1,134.71	185.34	7.122	
19,100.00	12,183.75	18,997.11	12,180.75	96.56	92.57	89.87	-6,813.75	-108.40	1,320.06	1,132.02	188.04	7.020	
19,200.00	12,184.62	19,097.11	12,181.62	97.89	93.92	89.87	-6,913.74	-107.54	1,320.06	1,129.33	190.73	6.921	
19,300.00	12,185.50	19,197.11	12,182.49	99.22	95.27	89.87	-7,013.74	-106.68	1,320.06	1,126.63	193.42	6.825	
19,400.00	12,186.37	19,297.11	12,183.36	100.55	96.62	89.87	-7,113.73	-105.81	1,320.06	1,123.93	196.12	6.731	
19,500.00	12,187.24	19,397.11	12,184.24	101.88	97.97	89.87	-7,213.72	-104.95	1,320.06	1,121.24	198.82	6.639	
19,600.00	12,188.11	19,497.11	12,185.11	103.21	99.32	89.87	-7,313.71	-104.09	1,320.06	1,118.54	201.52	6.551	
19,700.00	12,188.98	19,597.11	12,185.98	104.54	100.68	89.87	-7,413.71	-103.23	1,320.06	1,115.84	204.22	6.464	
19,800.00	12,189.85	19,697.11	12,186.85	105.88	102.03	89.87	-7,513.70	-102.37	1,320.06	1,113.14	206.92	6.380	
19,900.00	12,190.73	19,797.11	12,187.72	107.21	103.38	89.87	-7,613.69	-101.51	1,320.06	1,110.44	209.62	6.297	
20,000.00	12,191.60	19,897.11	12,188.59	108.55	104.74	89.87	-7,713.68	-100.65	1,320.06	1,107.74	212.32	6.217	
20,100.00	12,192.47	19,997.11	12,189.46	109.89	106.09	89.87	-7,813.68	-99.79	1,320.06	1,105.03	215.03	6.139	
20,200.00	12,193.34	20,097.11	12,190.33	111.23	107.45	89.87	-7,913.67	-98.93	1,320.06	1,102.33	217.73	6.063	
20,300.00	12,194.21	20,197.11	12,191.21	112.56	108.80	89.87	-8,013.66	-98.07	1,320.06	1,099.62	220.44	5.988	
20,400.00	12,195.08	20,297.11	12,192.08	113.90	110.16	89.87	-8,113.65	-97.20	1,320.06	1,096.92	223.14	5.916	
20,500.00	12,195.96	20,397.11	12,192.95	115.24	111.51	89.87	-8,213.65	-96.34	1,320.06	1,094.21	225.85	5.845	
20,600.00	12,196.83	20,497.11	12,193.82	116.58	112.87	89.87	-8,313.64	-95.48	1,320.06	1,091.50	228.56	5.776	
20,700.00	12,197.70	20,597.11	12,194.69	117.93	114.23	89.87	-8,413.63	-94.62	1,320.06	1,088.79	231.27	5.708	
20,800.00	12,198.57	20,697.11	12,195.56	119.27	115.58	89.87	-8,513.62	-93.76	1,320.06	1,086.09	233.98	5.642	
20,900.00	12,199.44	20,797.11	12,196.43	120.61	116.94	89.87	-8,613.62	-92.90	1,320.06	1,083.38	236.69	5.577	
21,000.00	12,200.31	20,897.11	12,197.30	121.95	118.30	89.87	-8,713.61	-92.04	1,320.06	1,080.67	239.40	5.514	
21,100.00	12,201.19	20,997.11	12,198.18	123.30	119.66	89.87	-8,813.60	-91.18	1,320.06	1,077.95	242.11	5.452	
21,200.00	12,202.06	21,097.11	12,199.05	124.64	121.02	89.87	-8,913.59	-90.32	1,320.06	1,075.24	244.82	5.392	
21,300.00	12,202.93	21,197.11	12,199.92	125.99	122.37	89.87	-9,013.59	-89.46	1,320.06	1,072.53	247.53	5.333	
21,400.00	12,203.80	21,297.11	12,200.79	127.33	123.73	89.87	-9,113.58	-88.60	1,320.06	1,069.82	250.25	5.275	
21,500.00	12,204.67	21,397.11	12,201.66	128.68	125.09	89.87	-9,213.57	-87.73	1,320.06	1,067.10	252.96	5.218	
21,600.00	12,205.54	21,497.11	12,202.53	130.03	126.45	89.87	-9,313.56	-86.87	1,320.06	1,064.39	255.67	5.163	
21,700.00	12,206.41	21,597.11	12,203.40	131.37	127.81	89.87	-9,413.56	-86.01	1,320.06	1,061.68	258.39	5.109	
21,800.00	12,207.29	21,697.11	12,204.28	132.72	129.17	89.87	-9,513.55	-85.15	1,320.06	1,058.96	261.10	5.056	
21,900.00	12,208.16	21,797.11	12,205.15	134.07	130.53	89.87	-9,613.54	-84.29	1,320.06	1,056.25	263.82	5.004	
22,000.00	12,209.03	21,897.11	12,206.02	135.42	131.89	89.87	-9,713.53	-83.43	1,320.06	1,053.53	266.54	4.953	
22,100.00	12,209.90	21,997.11	12,206.89	136.77	133.25	89.87	-9,813.53	-82.57	1,320.07	1,050.81	269.25	4.903	
22,200.00	12,210.77	22,097.11	12,207.76	138.12	134.61	89.87	-9,913.52	-81.71	1,320.07	1,048.10	271.97	4.854	
22,300.00	12,211.64	22,197.11	12,208.63	139.47	135.97	89.87	-10,013.51	-80.85	1,320.07	1,045.38	274.69	4.806	
22,400.00	12,212.52	22,297.11	12,209.50	140.82	137.33	89.87	-10,113.50	-79.99	1,320.07	1,042.66	277.41	4.759	
22,500.00	12,213.39	22,397.11	12,210.37	142.17	138.69	89.87	-10,213.50	-79.12	1,320.07	1,039.94	280.12	4.712	
22,512.90	12,213.50	22,410.00	12,210.49	142.34	138.87	89.87	-10,226.39	-79.01	1,320.07	1,039.59	280.47	4.707	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 138H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	73.12	696.00	2,294.00	2,397.26				
100.00	100.00	100.00	100.00	0.98	0.98	73.12	696.00	2,294.00	2,397.26	2,395.30	1.96	1,221.730	
200.00	200.00	200.00	200.00	1.56	1.56	73.12	696.00	2,294.00	2,397.26	2,394.14	3.12	767.799	
300.00	300.00	300.00	300.00	1.98	1.98	73.12	696.00	2,294.00	2,397.26	2,393.30	3.96	605.014	
400.00	399.99	374.46	374.45	2.41	2.29	-3.02	695.53	2,294.56	2,396.48	2,391.82	4.67	513.269	
500.00	499.91	448.87	448.84	2.78	2.58	-2.98	694.14	2,296.22	2,394.16	2,388.88	5.28	453.298	
600.00	599.69	523.21	523.08	3.12	2.85	-2.91	691.81	2,298.99	2,390.30	2,384.45	5.84	409.123	
633.33	632.91	547.96	547.79	3.15	2.93	-2.89	690.83	2,300.16	2,388.67	2,382.72	5.94	401.890	
700.00	699.32	600.00	599.69	3.25	3.10	-2.82	688.43	2,303.02	2,385.47	2,379.28	6.20	384.844	
800.00	798.94	684.79	684.18	3.50	3.21	-2.68	683.77	2,308.57	2,381.44	2,374.89	6.55	363.463	
900.00	898.56	784.48	783.48	3.74	3.44	-2.51	678.19	2,315.23	2,377.56	2,370.53	7.03	338.340	
1,000.00	998.18	884.17	882.79	3.97	3.67	-2.35	672.60	2,321.88	2,373.69	2,366.19	7.50	316.466	
1,100.00	1,097.80	983.86	982.10	4.20	3.90	-2.18	667.02	2,328.54	2,369.85	2,361.89	7.96	297.712	
1,200.00	1,197.42	1,083.55	1,081.41	4.42	4.13	-2.02	661.43	2,335.19	2,366.02	2,357.61	8.41	281.412	
1,300.00	1,297.04	1,183.24	1,180.72	4.64	4.35	-1.85	655.85	2,341.85	2,362.22	2,353.37	8.85	267.066	
1,400.00	1,396.66	1,282.92	1,280.03	4.86	4.57	-1.68	650.27	2,348.50	2,358.43	2,349.16	9.27	254.310	
1,500.00	1,496.28	1,382.61	1,379.34	5.07	4.78	-1.51	644.68	2,355.16	2,354.67	2,344.97	9.70	242.707	
1,600.00	1,595.90	1,453.28	1,449.71	5.28	4.94	-1.39	640.70	2,360.20	2,351.41	2,341.35	10.06	233.735	
1,700.00	1,695.52	1,500.00	1,496.18	5.48	5.04	-1.31	638.02	2,364.21	2,349.79	2,339.42	10.36	226.777	
1,758.31	1,753.61	1,553.06	1,548.89	5.60	5.17	-1.20	634.93	2,369.46	2,349.43	2,338.83	10.60	221.617	
1,800.00	1,795.14	1,579.31	1,574.94	5.69	5.23	-1.15	633.38	2,372.32	2,349.57	2,338.82	10.74	218.673	
1,900.00	1,894.76	1,642.25	1,637.30	5.89	5.38	-1.01	629.63	2,379.92	2,351.02	2,339.93	11.09	212.028	
2,000.00	1,994.38	1,700.00	1,694.41	6.09	5.52	-0.88	626.12	2,387.79	2,354.07	2,342.65	11.42	206.202	
2,100.00	2,094.00	1,771.09	1,764.53	6.29	5.64	-0.72	621.72	2,398.66	2,358.70	2,346.96	11.73	200.998	
2,200.00	2,193.62	1,865.15	1,857.16	6.50	5.81	-0.49	615.85	2,413.91	2,364.22	2,352.09	12.12	194.998	
2,206.41	2,200.00	1,871.52	1,863.43	6.52	5.82	-0.47	615.45	2,414.94	2,364.57	2,352.42	12.15	194.583	
2,300.00	2,293.13	1,964.55	1,955.05	6.72	6.01	-0.25	609.64	2,430.02	2,368.65	2,356.08	12.56	188.577	
2,400.00	2,392.34	2,064.04	2,053.02	6.95	6.22	-0.01	603.43	2,446.15	2,370.50	2,357.49	13.02	182.135	
2,500.00	2,491.20	2,163.54	2,151.00	7.18	6.43	0.23	597.22	2,462.28	2,369.78	2,356.31	13.47	175.910	
2,600.00	2,589.63	2,262.98	2,248.94	7.41	6.63	0.47	591.01	2,478.40	2,366.49	2,352.56	13.93	169.888	
2,700.00	2,687.57	2,362.31	2,346.75	7.65	6.84	0.71	584.81	2,494.50	2,360.62	2,346.23	14.39	164.057	
2,800.00	2,784.94	2,461.44	2,444.38	7.88	7.05	0.96	578.62	2,510.57	2,352.19	2,337.34	14.85	158.404	
2,873.30	2,855.92	2,533.95	2,515.78	8.02	7.20	1.14	574.09	2,522.33	2,344.37	2,329.22	15.15	154.701	
2,900.00	2,881.71	2,560.33	2,541.76	8.06	7.25	1.20	572.44	2,526.60	2,341.28	2,326.03	15.25	153.493	
3,000.00	2,978.30	2,659.14	2,639.07	8.28	7.46	1.45	566.27	2,542.62	2,329.72	2,314.03	15.69	148.484	
3,100.00	3,074.89	2,757.95	2,736.38	8.49	7.66	1.71	560.10	2,558.64	2,318.20	2,302.07	16.13	143.741	
3,200.00	3,171.49	2,856.76	2,833.69	8.71	7.87	1.96	553.93	2,574.66	2,306.73	2,290.17	16.57	139.246	
3,300.00	3,268.08	2,955.57	2,931.00	8.93	8.07	2.22	547.76	2,590.68	2,295.31	2,278.30	17.01	134.977	
3,400.00	3,364.67	3,054.38	3,028.30	9.16	8.30	2.48	541.59	2,606.69	2,283.93	2,266.48	17.44	130.941	
3,500.00	3,461.26	3,153.19	3,125.61	9.42	8.53	2.74	535.42	2,622.71	2,272.59	2,254.71	17.88	127.077	
3,600.00	3,557.85	3,252.00	3,222.92	9.70	8.77	3.00	529.25	2,638.73	2,261.31	2,242.99	18.32	123.407	
3,700.00	3,654.44	3,350.81	3,320.23	10.00	9.01	3.27	523.08	2,654.75	2,250.07	2,231.31	18.76	119.909	
3,800.00	3,751.03	3,449.62	3,417.53	10.30	9.25	3.54	516.91	2,670.77	2,238.89	2,219.68	19.21	116.573	
3,900.00	3,847.62	3,548.43	3,514.84	10.61	9.49	3.81	510.75	2,686.78	2,227.75	2,208.10	19.65	113.387	
4,000.00	3,944.21	3,647.24	3,612.15	10.93	9.72	4.09	504.58	2,702.80	2,216.67	2,196.58	20.09	110.342	
4,100.00	4,040.80	3,746.05	3,709.46	11.25	9.96	4.36	498.41	2,718.82	2,205.63	2,185.10	20.53	107.429	
4,200.00	4,137.40	3,844.86	3,806.77	11.57	10.20	4.64	492.24	2,734.84	2,194.65	2,173.68	20.97	104.640	
4,300.00	4,233.99	3,943.67	3,904.07	11.89	10.44	4.93	486.07	2,750.86	2,183.72	2,162.31	21.42	101.968	
4,400.00	4,330.58	4,042.48	4,001.38	12.21	10.68	5.21	479.90	2,766.87	2,172.85	2,150.99	21.86	99.406	
4,500.00	4,427.17	4,141.29	4,098.69	12.54	10.92	5.50	473.73	2,782.89	2,162.03	2,139.72	22.30	96.947	
4,600.00	4,523.76	4,240.10	4,196.00	12.87	11.16	5.79	467.56	2,798.91	2,151.26	2,128.52	22.74	94.585	
4,700.00	4,620.35	4,338.91	4,293.31	13.20	11.40	6.09	461.39	2,814.93	2,140.55	2,117.37	23.19	92.315	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 138H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,437.73	4,390.61	13.53	11.65	6.39	455.22	2,830.95	2,129.90	2,106.27	23.63	90.132	
4,900.00	4,813.53	4,536.54	4,487.92	13.86	11.89	6.69	449.05	2,846.96	2,119.31	2,095.23	24.07	88.031	
5,000.00	4,910.12	4,635.35	4,585.23	14.19	12.13	6.99	442.88	2,862.98	2,108.77	2,084.26	24.52	86.008	
5,100.00	5,006.72	4,734.16	4,682.54	14.53	12.37	7.30	436.71	2,879.00	2,098.30	2,073.34	24.96	84.059	
5,200.00	5,103.31	4,832.97	4,779.84	14.86	12.61	7.61	430.54	2,895.02	2,087.89	2,062.48	25.41	82.179	
5,300.00	5,199.90	4,931.78	4,877.15	15.20	12.85	7.92	424.37	2,911.04	2,077.54	2,051.68	25.85	80.366	
5,400.00	5,296.49	5,030.59	4,974.46	15.53	13.10	8.23	418.20	2,927.06	2,067.25	2,040.95	26.30	78.615	
5,500.00	5,393.08	5,129.40	5,071.77	15.87	13.34	8.55	412.03	2,943.07	2,057.02	2,030.28	26.74	76.925	
5,600.00	5,489.67	5,228.21	5,169.08	16.21	13.58	8.87	405.86	2,959.09	2,046.86	2,019.67	27.19	75.292	
5,700.00	5,586.26	5,327.02	5,266.38	16.55	13.82	9.20	399.69	2,975.11	2,036.76	2,009.13	27.63	73.712	
5,800.00	5,682.85	5,425.83	5,363.69	16.89	14.06	9.53	393.52	2,991.13	2,026.73	1,998.66	28.08	72.185	
5,900.00	5,779.44	5,524.64	5,461.00	17.23	14.31	9.86	387.35	3,007.15	2,016.77	1,988.25	28.52	70.707	
5,915.24	5,794.17	5,539.70	5,475.83	17.27	14.34	9.91	386.41	3,009.59	2,015.26	1,986.67	28.58	70.501	
6,000.00	5,876.27	5,623.55	5,558.41	17.54	14.55	10.17	381.18	3,023.18	2,007.80	1,978.84	28.96	69.331	
6,100.00	5,973.71	5,722.71	5,656.06	17.85	14.79	10.47	374.99	3,039.25	2,001.43	1,972.02	29.41	68.049	
6,200.00	6,071.71	5,822.05	5,753.89	18.12	15.04	10.77	368.78	3,055.36	1,997.70	1,967.84	29.86	66.907	
6,292.27	6,162.57	5,913.82	5,844.26	18.35	15.26	11.04	363.05	3,070.24	1,996.58	1,966.32	30.26	65.975	CC
6,300.00	6,170.19	5,921.51	5,851.84	18.37	15.28	11.06	362.57	3,071.48	1,996.59	1,966.29	30.30	65.901	
6,400.00	6,269.10	6,021.01	5,949.82	18.59	15.53	11.35	356.36	3,087.61	1,998.10	1,967.37	30.73	65.027	
6,500.00	6,368.35	6,120.49	6,047.79	18.78	15.77	11.62	350.15	3,103.74	2,002.22	1,971.07	31.15	64.280	
6,600.00	6,467.89	6,219.87	6,145.67	18.94	16.02	11.89	343.94	3,119.85	2,008.95	1,977.39	31.56	63.658	
6,700.00	6,567.65	6,319.10	6,243.38	19.07	16.26	12.16	337.75	3,135.94	2,018.26	1,986.30	31.96	63.158	
6,800.00	6,667.55	6,418.10	6,340.88	19.18	16.50	12.41	331.57	3,151.98	2,030.15	1,997.81	32.34	62.782	
6,900.00	6,767.53	6,516.81	6,438.09	19.26	16.75	12.65	325.40	3,167.99	2,044.60	2,011.90	32.69	62.543	
6,915.47	6,783.00	6,532.05	6,453.09	19.26	16.78	88.84	324.45	3,170.46	2,047.06	2,014.33	32.73	62.541	
7,000.00	6,867.53	6,618.99	6,538.72	19.30	16.99	89.00	319.03	3,184.54	2,060.69	2,027.74	32.95	62.544	
7,100.00	6,967.53	6,818.04	6,735.61	19.35	17.43	89.31	308.58	3,211.68	2,074.26	2,040.87	33.40	62.110	
7,200.00	7,067.53	7,019.63	6,936.28	19.40	17.76	89.50	301.76	3,229.36	2,083.01	2,049.25	33.77	61.688	
7,300.00	7,167.53	7,222.67	7,139.13	19.45	17.97	89.58	298.76	3,237.17	2,086.85	2,052.83	34.01	61.351	
7,400.00	7,267.53	7,351.08	7,267.53	19.50	18.02	89.59	298.61	3,237.55	2,087.03	2,052.95	34.08	61.232	
7,500.00	7,367.53	7,451.08	7,367.53	19.55	18.06	89.59	298.61	3,237.55	2,087.03	2,052.87	34.17	61.081	
7,600.00	7,467.53	7,551.08	7,467.53	19.60	18.09	89.59	298.61	3,237.55	2,087.03	2,052.78	34.25	60.929	
7,700.00	7,567.53	7,651.08	7,567.53	19.65	18.13	89.59	298.61	3,237.55	2,087.03	2,052.69	34.34	60.777	
7,800.00	7,667.53	7,751.08	7,667.53	19.71	18.17	89.59	298.61	3,237.55	2,087.03	2,052.61	34.43	60.625	
7,900.00	7,767.53	7,851.08	7,767.53	19.76	18.20	89.59	298.61	3,237.55	2,087.03	2,052.52	34.51	60.473	
8,000.00	7,867.53	7,951.08	7,867.53	19.81	18.24	89.59	298.61	3,237.55	2,087.03	2,052.43	34.60	60.320	
8,100.00	7,967.53	8,051.08	7,967.53	19.86	18.28	89.59	298.61	3,237.55	2,087.03	2,052.35	34.69	60.167	
8,200.00	8,067.53	8,151.08	8,067.53	19.92	18.32	89.59	298.61	3,237.55	2,087.03	2,052.26	34.78	60.015	
8,300.00	8,167.53	8,251.08	8,167.53	19.97	18.36	89.59	298.61	3,237.55	2,087.03	2,052.17	34.86	59.862	
8,400.00	8,267.53	8,351.08	8,267.53	20.02	18.40	89.59	298.61	3,237.55	2,087.03	2,052.08	34.95	59.708	
8,500.00	8,367.53	8,451.08	8,367.53	20.08	18.43	89.59	298.61	3,237.55	2,087.03	2,051.99	35.04	59.555	
8,600.00	8,467.53	8,551.08	8,467.53	20.13	18.47	89.59	298.61	3,237.55	2,087.03	2,051.90	35.13	59.402	
8,700.00	8,567.53	8,651.08	8,567.53	20.18	18.51	89.59	298.61	3,237.55	2,087.03	2,051.81	35.23	59.249	
8,800.00	8,667.53	8,751.08	8,667.53	20.24	18.55	89.59	298.61	3,237.55	2,087.03	2,051.72	35.32	59.095	
8,900.00	8,767.53	8,851.08	8,767.53	20.29	18.59	89.59	298.61	3,237.55	2,087.03	2,051.63	35.41	58.942	
9,000.00	8,867.53	8,951.08	8,867.53	20.35	18.64	89.59	298.61	3,237.55	2,087.03	2,051.53	35.50	58.788	
9,100.00	8,967.53	9,051.08	8,967.53	20.40	18.68	89.59	298.61	3,237.55	2,087.03	2,051.44	35.59	58.635	
9,200.00	9,067.53	9,151.08	9,067.53	20.45	18.72	89.59	298.61	3,237.55	2,087.03	2,051.35	35.69	58.481	
9,300.00	9,167.53	9,251.08	9,167.53	20.51	18.76	89.59	298.61	3,237.55	2,087.03	2,051.25	35.78	58.327	
9,400.00	9,267.53	9,351.08	9,267.53	20.56	18.80	89.59	298.61	3,237.55	2,087.03	2,051.16	35.88	58.174	
9,500.00	9,367.53	9,451.08	9,367.53	20.62	18.84	89.59	298.61	3,237.55	2,087.03	2,051.06	35.97	58.020	
9,600.00	9,467.53	9,551.08	9,467.53	20.68	18.88	89.59	298.61	3,237.55	2,087.03	2,050.97	36.07	57.867	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 138H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,651.08	9,567.53	20.73	18.93	89.59	298.61	3,237.55	2,087.03	2,050.87	36.16	57.713	
9,800.00	9,667.53	9,751.08	9,667.53	20.79	18.97	89.59	298.61	3,237.55	2,087.03	2,050.78	36.26	57.560	
9,900.00	9,767.53	9,851.08	9,767.53	20.84	19.01	89.59	298.61	3,237.55	2,087.03	2,050.68	36.36	57.407	
10,000.00	9,867.53	9,951.08	9,867.53	20.90	19.06	89.59	298.61	3,237.55	2,087.03	2,050.58	36.45	57.254	
10,100.00	9,967.53	10,051.08	9,967.53	20.95	19.10	89.59	298.61	3,237.55	2,087.03	2,050.48	36.55	57.100	
10,200.00	10,067.53	10,151.08	10,067.53	21.01	19.14	89.59	298.61	3,237.55	2,087.03	2,050.39	36.65	56.947	
10,300.00	10,167.53	10,251.08	10,167.53	21.07	19.19	89.59	298.61	3,237.55	2,087.03	2,050.29	36.75	56.794	
10,400.00	10,267.53	10,351.08	10,267.53	21.12	19.23	89.59	298.61	3,237.55	2,087.03	2,050.19	36.85	56.642	
10,500.00	10,367.53	10,451.08	10,367.53	21.18	19.28	89.59	298.61	3,237.55	2,087.03	2,050.09	36.95	56.489	
10,600.00	10,467.53	10,551.08	10,467.53	21.24	19.32	89.59	298.61	3,237.55	2,087.03	2,049.99	37.05	56.336	
10,700.00	10,567.53	10,651.08	10,567.53	21.30	19.37	89.59	298.61	3,237.55	2,087.03	2,049.89	37.15	56.184	
10,800.00	10,667.53	10,751.08	10,667.53	21.35	19.41	89.59	298.61	3,237.55	2,087.03	2,049.79	37.25	56.032	
10,900.00	10,767.53	10,851.08	10,767.53	21.41	19.46	89.59	298.61	3,237.55	2,087.03	2,049.69	37.35	55.880	
11,000.00	10,867.53	10,951.08	10,867.53	21.47	19.50	89.59	298.61	3,237.55	2,087.03	2,049.58	37.45	55.728	
11,100.00	10,967.53	11,051.08	10,967.53	21.53	19.55	89.59	298.61	3,237.55	2,087.03	2,049.48	37.55	55.576	
11,200.00	11,067.53	11,151.08	11,067.53	21.58	19.60	89.59	298.61	3,237.55	2,087.03	2,049.38	37.66	55.425	
11,300.00	11,167.53	11,251.08	11,167.53	21.64	19.64	89.59	298.61	3,237.55	2,087.03	2,049.28	37.76	55.274	
11,400.00	11,267.53	11,351.08	11,267.53	21.70	19.69	89.59	298.61	3,237.55	2,087.03	2,049.17	37.86	55.123	
11,500.00	11,367.53	11,451.08	11,367.53	21.76	19.74	89.59	298.61	3,237.55	2,087.03	2,049.07	37.97	54.972	
11,511.56	11,379.10	11,462.65	11,379.10	21.77	19.74	89.59	298.61	3,237.55	2,087.03	2,049.06	37.98	54.954	
11,600.00	11,467.53	11,550.99	11,467.44	21.82	19.77	89.59	298.45	3,237.55	2,087.03	2,048.98	38.05	54.843	
11,686.47	11,554.00	11,635.88	11,551.85	21.86	19.88	89.82	290.19	3,237.63	2,087.07	2,048.93	38.14	54.721	
11,700.00	11,567.53	11,648.91	11,564.66	21.86	19.90	-89.62	287.82	3,237.65	2,087.08	2,048.93	38.15	54.710	
11,750.00	11,617.40	11,696.61	11,611.02	21.90	19.99	-89.40	276.67	3,237.75	2,087.16	2,048.98	38.18	54.662	
11,800.00	11,666.79	11,743.68	11,655.72	21.93	20.09	-89.17	261.93	3,237.88	2,087.27	2,049.05	38.22	54.609	
11,850.00	11,715.32	11,790.18	11,698.53	21.95	20.20	-88.96	243.81	3,238.05	2,087.41	2,049.15	38.27	54.549	
11,900.00	11,762.62	11,836.14	11,739.26	21.97	20.32	-88.75	222.55	3,238.24	2,087.58	2,049.26	38.32	54.479	
11,950.00	11,808.34	11,881.61	11,777.75	21.99	20.46	-88.55	198.38	3,238.46	2,087.76	2,049.38	38.38	54.395	
12,000.00	11,852.12	11,926.62	11,813.85	22.01	20.61	-88.37	171.51	3,238.70	2,087.96	2,049.50	38.46	54.291	
12,050.00	11,893.63	11,971.22	11,847.44	22.03	20.78	-88.19	142.18	3,238.97	2,088.17	2,049.61	38.55	54.162	
12,100.00	11,932.55	12,015.46	11,878.39	22.05	20.97	-88.03	110.59	3,239.26	2,088.38	2,049.71	38.67	54.001	
12,150.00	11,968.60	12,059.36	11,906.61	22.09	21.17	-87.88	76.98	3,239.56	2,088.59	2,049.77	38.82	53.803	
12,200.00	12,001.49	12,100.00	11,930.37	22.13	21.38	-87.75	44.02	3,239.86	2,088.79	2,049.81	38.99	53.575	
12,250.00	12,030.97	12,146.33	11,954.53	22.19	21.64	-87.62	4.51	3,240.22	2,088.98	2,049.77	39.22	53.269	
12,300.00	12,056.82	12,189.46	11,974.08	22.26	21.90	-87.52	-33.93	3,240.57	2,089.16	2,049.69	39.48	52.923	
12,350.00	12,078.85	12,232.42	11,990.63	22.35	22.18	-87.43	-73.56	3,240.93	2,089.32	2,049.54	39.78	52.524	
12,400.00	12,096.88	12,275.23	12,004.12	22.47	22.48	-87.36	-114.17	3,241.30	2,089.45	2,049.32	40.13	52.073	
12,450.00	12,110.78	12,317.92	12,014.52	22.60	22.80	-87.31	-155.57	3,241.68	2,089.56	2,049.04	40.52	51.572	
12,500.00	12,120.45	12,360.54	12,021.79	22.75	23.13	-87.27	-197.55	3,242.06	2,089.63	2,048.68	40.95	51.025	
12,550.00	12,125.80	12,403.12	12,025.92	22.93	23.47	-87.26	-239.92	3,242.44	2,089.68	2,048.25	41.43	50.439	
12,581.47	12,126.94	12,429.91	12,026.91	23.05	23.69	-87.26	-266.69	3,242.69	2,089.69	2,047.95	41.75	50.054	
12,600.00	12,127.10	12,447.82	12,027.05	23.12	23.84	-87.26	-284.59	3,242.85	2,089.70	2,047.75	41.95	49.809	
12,700.00	12,127.97	12,547.82	12,027.75	23.56	24.70	-87.25	-384.59	3,243.76	2,089.76	2,046.59	43.17	48.404	
12,800.00	12,128.84	12,647.82	12,028.46	24.06	25.61	-87.25	-484.58	3,244.67	2,089.81	2,045.29	44.53	46.935	
12,900.00	12,129.71	12,747.82	12,029.17	24.61	26.55	-87.24	-584.57	3,245.58	2,089.87	2,043.87	46.00	45.431	
13,000.00	12,130.58	12,847.82	12,029.88	25.21	27.53	-87.24	-684.56	3,246.48	2,089.92	2,042.34	47.59	43.917	
13,100.00	12,131.46	12,947.82	12,030.59	25.87	28.53	-87.23	-784.56	3,247.39	2,089.98	2,040.70	49.28	42.413	
13,200.00	12,132.33	13,047.82	12,031.30	26.56	29.56	-87.23	-884.55	3,248.30	2,090.03	2,038.98	51.06	40.935	
13,300.00	12,133.20	13,147.82	12,032.01	27.30	30.61	-87.23	-984.54	3,249.21	2,090.09	2,037.17	52.92	39.494	
13,400.00	12,134.07	13,247.82	12,032.72	28.08	31.69	-87.22	-1,084.54	3,250.12	2,090.14	2,035.28	54.86	38.099	
13,500.00	12,134.94	13,347.82	12,033.43	28.90	32.78	-87.22	-1,184.53	3,251.03	2,090.20	2,033.33	56.87	36.757	
13,600.00	12,135.81	13,447.82	12,034.14	29.75	33.89	-87.21	-1,284.52	3,251.94	2,090.25	2,031.32	58.93	35.469	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 138H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.00	12,136.69	13,547.82	12,034.85	30.63	35.02	-87.21	-1,384.52	3,252.84	2,090.31	2,029.26	61.05	34.238	
13,800.00	12,137.56	13,647.82	12,035.55	31.55	36.16	-87.20	-1,484.51	3,253.75	2,090.37	2,027.14	63.22	33.065	
13,900.00	12,138.43	13,747.82	12,036.26	32.50	37.32	-87.20	-1,584.50	3,254.66	2,090.42	2,024.99	65.43	31.947	
14,000.00	12,139.30	13,847.82	12,036.97	33.47	38.49	-87.19	-1,684.50	3,255.57	2,090.48	2,022.79	67.68	30.885	
14,100.00	12,140.17	13,947.82	12,037.68	34.47	39.67	-87.19	-1,784.49	3,256.48	2,090.53	2,020.56	69.97	29.877	
14,200.00	12,141.04	14,047.82	12,038.39	35.49	40.86	-87.19	-1,884.48	3,257.39	2,090.59	2,018.29	72.29	28.919	
14,300.00	12,141.92	14,147.82	12,039.10	36.53	42.06	-87.18	-1,984.48	3,258.30	2,090.64	2,016.00	74.64	28.010	
14,400.00	12,142.79	14,247.81	12,039.81	37.59	43.27	-87.18	-2,084.47	3,259.20	2,090.70	2,013.68	77.01	27.147	
14,500.00	12,143.66	14,347.81	12,040.52	38.67	44.49	-87.17	-2,184.46	3,260.11	2,090.75	2,011.34	79.41	26.328	
14,600.00	12,144.53	14,447.81	12,041.23	39.77	45.71	-87.17	-2,284.46	3,261.02	2,090.81	2,008.97	81.83	25.550	
14,700.00	12,145.40	14,547.81	12,041.94	40.88	46.95	-87.16	-2,384.45	3,261.93	2,090.86	2,006.59	84.27	24.810	
14,800.00	12,146.27	14,647.81	12,042.64	42.01	48.19	-87.16	-2,484.44	3,262.84	2,090.92	2,004.19	86.73	24.108	
14,900.00	12,147.14	14,747.81	12,043.35	43.15	49.43	-87.15	-2,584.44	3,263.75	2,090.97	2,001.77	89.21	23.440	
15,000.00	12,148.02	14,847.81	12,044.06	44.31	50.69	-87.15	-2,684.43	3,264.66	2,091.03	1,999.33	91.70	22.804	
15,100.00	12,148.89	14,947.81	12,044.77	45.47	51.94	-87.15	-2,784.42	3,265.56	2,091.08	1,996.88	94.20	22.198	
15,200.00	12,149.76	15,047.81	12,045.48	46.65	53.21	-87.14	-2,884.42	3,266.47	2,091.14	1,994.42	96.72	21.621	
15,300.00	12,150.63	15,147.81	12,046.19	47.83	54.48	-87.14	-2,984.41	3,267.38	2,091.19	1,991.95	99.25	21.071	
15,400.00	12,151.50	15,247.81	12,046.90	49.03	55.75	-87.13	-3,084.40	3,268.29	2,091.25	1,989.46	101.79	20.546	
15,500.00	12,152.37	15,347.81	12,047.61	50.23	57.03	-87.13	-3,184.40	3,269.20	2,091.30	1,986.97	104.34	20.044	
15,600.00	12,153.25	15,447.81	12,048.32	51.45	58.31	-87.12	-3,284.39	3,270.11	2,091.36	1,984.47	106.90	19.565	
15,700.00	12,154.12	15,547.81	12,049.03	52.67	59.59	-87.12	-3,384.38	3,271.02	2,091.42	1,981.95	109.46	19.106	
15,800.00	12,154.99	15,647.81	12,049.74	53.89	60.88	-87.12	-3,484.37	3,271.92	2,091.47	1,979.43	112.04	18.667	
15,900.00	12,155.86	15,747.81	12,050.44	55.13	62.17	-87.11	-3,584.37	3,272.83	2,091.53	1,976.90	114.62	18.247	
16,000.00	12,156.73	15,847.81	12,051.15	56.37	63.46	-87.11	-3,684.36	3,273.74	2,091.58	1,974.37	117.21	17.844	
16,100.00	12,157.60	15,947.81	12,051.86	57.61	64.76	-87.10	-3,784.35	3,274.65	2,091.64	1,971.83	119.81	17.458	
16,200.00	12,158.48	16,047.81	12,052.57	58.86	66.06	-87.10	-3,884.35	3,275.56	2,091.69	1,969.28	122.41	17.087	
16,300.00	12,159.35	16,147.81	12,053.28	60.12	67.36	-87.09	-3,984.34	3,276.47	2,091.75	1,966.72	125.02	16.731	
16,400.00	12,160.22	16,247.81	12,053.99	61.38	68.67	-87.09	-4,084.33	3,277.38	2,091.80	1,964.17	127.64	16.389	
16,500.00	12,161.09	16,347.81	12,054.70	62.65	69.98	-87.08	-4,184.33	3,278.28	2,091.86	1,961.60	130.26	16.059	
16,600.00	12,161.96	16,447.81	12,055.41	63.92	71.29	-87.08	-4,284.32	3,279.19	2,091.91	1,959.03	132.88	15.743	
16,700.00	12,162.83	16,547.81	12,056.12	65.19	72.60	-87.08	-4,384.31	3,280.10	2,091.97	1,956.46	135.51	15.438	
16,800.00	12,163.71	16,647.81	12,056.83	66.47	73.91	-87.07	-4,484.31	3,281.01	2,092.03	1,953.88	138.14	15.144	
16,900.00	12,164.58	16,747.81	12,057.54	67.75	75.23	-87.07	-4,584.30	3,281.92	2,092.08	1,951.30	140.78	14.861	
17,000.00	12,165.45	16,847.81	12,058.24	69.04	76.54	-87.06	-4,684.29	3,282.83	2,092.14	1,948.72	143.42	14.587	
17,100.00	12,166.32	16,947.81	12,058.95	70.32	77.86	-87.06	-4,784.29	3,283.74	2,092.19	1,946.13	146.07	14.324	
17,200.00	12,167.19	17,047.81	12,059.66	71.61	79.18	-87.05	-4,884.28	3,284.64	2,092.25	1,943.53	148.71	14.069	
17,300.00	12,168.06	17,147.81	12,060.37	72.91	80.51	-87.05	-4,984.27	3,285.55	2,092.30	1,940.94	151.36	13.823	
17,400.00	12,168.94	17,247.81	12,061.08	74.21	81.83	-87.05	-5,084.27	3,286.46	2,092.36	1,938.34	154.02	13.585	
17,500.00	12,169.81	17,347.81	12,061.79	75.50	83.16	-87.04	-5,184.26	3,287.37	2,092.41	1,935.74	156.67	13.355	
17,600.00	12,170.68	17,447.81	12,062.50	76.81	84.48	-87.04	-5,284.25	3,288.28	2,092.47	1,933.14	159.33	13.133	
17,700.00	12,171.55	17,547.81	12,063.21	78.11	85.81	-87.03	-5,384.25	3,289.19	2,092.53	1,930.53	162.00	12.917	
17,800.00	12,172.42	17,647.81	12,063.92	79.42	87.14	-87.03	-5,484.24	3,290.10	2,092.58	1,927.92	164.66	12.708	
17,900.00	12,173.29	17,747.81	12,064.63	80.72	88.47	-87.02	-5,584.23	3,291.00	2,092.64	1,925.31	167.33	12.506	
18,000.00	12,174.17	17,847.81	12,065.34	82.03	89.80	-87.02	-5,684.23	3,291.91	2,092.69	1,922.70	170.00	12.310	
18,100.00	12,175.04	17,947.81	12,066.04	83.35	91.13	-87.01	-5,784.22	3,292.82	2,092.75	1,920.08	172.67	12.120	
18,200.00	12,175.91	18,047.81	12,066.75	84.66	92.47	-87.01	-5,884.21	3,293.73	2,092.80	1,917.46	175.34	11.936	
18,300.00	12,176.78	18,147.81	12,067.46	85.98	93.80	-87.01	-5,984.21	3,294.64	2,092.86	1,914.84	178.02	11.757	
18,400.00	12,177.65	18,247.81	12,068.17	87.29	95.14	-87.00	-6,084.20	3,295.55	2,092.92	1,912.22	180.69	11.583	
18,500.00	12,178.52	18,347.81	12,068.88	88.61	96.47	-87.00	-6,184.19	3,296.46	2,092.97	1,909.60	183.37	11.414	
18,600.00	12,179.39	18,447.81	12,069.59	89.93	97.81	-86.99	-6,284.19	3,297.36	2,093.03	1,906.98	186.05	11.250	
18,700.00	12,180.27	18,547.81	12,070.30	91.26	99.15	-86.99	-6,384.18	3,298.27	2,093.08	1,904.35	188.73	11.090	
18,800.00	12,181.14	18,647.81	12,071.01	92.58	100.49	-86.98	-6,484.17	3,299.18	2,093.14	1,901.72	191.42	10.935	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 138H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,900.00	12,182.01	18,747.81	12,071.72	93.90	101.83	-86.98	-6,584.16	3,300.09	2,093.19	1,899.09	194.10	10.784	
19,000.00	12,182.88	18,847.81	12,072.43	95.23	103.17	-86.98	-6,684.16	3,301.00	2,093.25	1,896.46	196.79	10.637	
19,100.00	12,183.75	18,947.81	12,073.14	96.56	104.51	-86.97	-6,784.15	3,301.91	2,093.31	1,893.83	199.47	10.494	
19,200.00	12,184.62	19,047.81	12,073.84	97.89	105.85	-86.97	-6,884.14	3,302.82	2,093.36	1,891.20	202.16	10.355	
19,300.00	12,185.50	19,147.81	12,074.55	99.22	107.19	-86.96	-6,984.14	3,303.72	2,093.42	1,888.56	204.85	10.219	
19,400.00	12,186.37	19,247.81	12,075.26	100.55	108.54	-86.96	-7,084.13	3,304.63	2,093.47	1,885.93	207.54	10.087	
19,500.00	12,187.24	19,347.81	12,075.97	101.88	109.88	-86.95	-7,184.12	3,305.54	2,093.53	1,883.29	210.24	9.958	
19,600.00	12,188.11	19,447.81	12,076.68	103.21	111.23	-86.95	-7,284.12	3,306.45	2,093.59	1,880.65	212.93	9.832	
19,700.00	12,188.98	19,547.81	12,077.39	104.54	112.57	-86.94	-7,384.11	3,307.36	2,093.64	1,878.02	215.63	9.710	
19,800.00	12,189.85	19,647.81	12,078.10	105.88	113.92	-86.94	-7,484.10	3,308.27	2,093.70	1,875.38	218.32	9.590	
19,900.00	12,190.73	19,747.81	12,078.81	107.21	115.26	-86.94	-7,584.10	3,309.18	2,093.75	1,872.74	221.02	9.473	
20,000.00	12,191.60	19,847.81	12,079.52	108.55	116.61	-86.93	-7,684.09	3,310.08	2,093.81	1,870.09	223.71	9.359	
20,100.00	12,192.47	19,947.81	12,080.23	109.89	117.96	-86.93	-7,784.08	3,310.99	2,093.87	1,867.45	226.41	9.248	
20,200.00	12,193.34	20,047.81	12,080.93	111.23	119.31	-86.92	-7,884.08	3,311.90	2,093.92	1,864.81	229.11	9.139	
20,300.00	12,194.21	20,147.81	12,081.64	112.56	120.65	-86.92	-7,984.07	3,312.81	2,093.98	1,862.16	231.81	9.033	
20,400.00	12,195.08	20,247.81	12,082.35	113.90	122.00	-86.91	-8,084.06	3,313.72	2,094.03	1,859.52	234.51	8.929	
20,500.00	12,195.96	20,347.81	12,083.06	115.24	123.35	-86.91	-8,184.06	3,314.63	2,094.09	1,856.87	237.22	8.828	
20,600.00	12,196.83	20,447.81	12,083.77	116.58	124.70	-86.91	-8,284.05	3,315.54	2,094.14	1,854.23	239.92	8.729	
20,700.00	12,197.70	20,547.81	12,084.48	117.93	126.05	-86.90	-8,384.04	3,316.44	2,094.20	1,851.58	242.62	8.632	
20,800.00	12,198.57	20,647.81	12,085.19	119.27	127.40	-86.90	-8,484.04	3,317.35	2,094.26	1,848.93	245.32	8.537	
20,900.00	12,199.44	20,747.81	12,085.90	120.61	128.75	-86.89	-8,584.03	3,318.26	2,094.31	1,846.28	248.03	8.444	
21,000.00	12,200.31	20,847.81	12,086.61	121.95	130.10	-86.89	-8,684.02	3,319.17	2,094.37	1,843.63	250.73	8.353	
21,100.00	12,201.19	20,947.81	12,087.32	123.30	131.46	-86.88	-8,784.02	3,320.08	2,094.43	1,840.98	253.44	8.264	
21,200.00	12,202.06	21,047.81	12,088.03	124.64	132.81	-86.88	-8,884.01	3,320.99	2,094.48	1,838.33	256.15	8.177	
21,300.00	12,202.93	21,147.81	12,088.73	125.99	134.16	-86.87	-8,984.00	3,321.90	2,094.54	1,835.68	258.85	8.092	
21,400.00	12,203.80	21,247.81	12,089.44	127.33	135.51	-86.87	-9,084.00	3,322.80	2,094.59	1,833.03	261.56	8.008	
21,500.00	12,204.67	21,347.80	12,090.15	128.68	136.87	-86.87	-9,183.99	3,323.71	2,094.65	1,830.38	264.27	7.926	
21,600.00	12,205.54	21,447.80	12,090.86	130.03	138.22	-86.86	-9,283.98	3,324.62	2,094.71	1,827.73	266.98	7.846	
21,700.00	12,206.41	21,547.80	12,091.57	131.37	139.57	-86.86	-9,383.97	3,325.53	2,094.76	1,825.07	269.69	7.767	
21,800.00	12,207.29	21,647.80	12,092.28	132.72	140.93	-86.85	-9,483.97	3,326.44	2,094.82	1,822.42	272.40	7.690	
21,900.00	12,208.16	21,747.80	12,092.99	134.07	142.28	-86.85	-9,583.96	3,327.35	2,094.87	1,819.77	275.11	7.615	
22,000.00	12,209.03	21,847.80	12,093.70	135.42	143.64	-86.84	-9,683.95	3,328.26	2,094.93	1,817.11	277.82	7.541	
22,100.00	12,209.90	21,947.80	12,094.41	136.77	144.99	-86.84	-9,783.95	3,329.17	2,094.99	1,814.46	280.53	7.468	
22,200.00	12,210.77	22,047.80	12,095.12	138.12	146.35	-86.84	-9,883.94	3,330.07	2,095.04	1,811.80	283.24	7.397	
22,300.00	12,211.64	22,147.80	12,095.83	139.47	147.70	-86.83	-9,983.93	3,330.98	2,095.10	1,809.15	285.95	7.327	
22,400.00	12,212.52	22,247.80	12,096.53	140.82	149.06	-86.83	-10,083.93	3,331.89	2,095.15	1,806.49	288.67	7.258	
22,500.00	12,213.39	22,347.80	12,097.24	142.17	150.41	-86.82	-10,183.92	3,332.80	2,095.21	1,803.83	291.38	7.191	
22,512.90	12,213.50	22,360.70	12,097.34	142.34	150.59	-86.82	-10,196.82	3,332.92	2,095.22	1,803.49	291.73	7.182	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-160.00	0.00	160.00				
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-160.00	0.00	160.00	158.03	1.97	81.315	
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-160.00	0.00	160.00	156.87	3.13	51.177	
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-160.00	0.00	160.00	156.03	3.97	40.345	CC
400.00	399.99	400.99	400.99	2.41	2.33	104.30	-160.00	0.00	160.32	155.65	4.66	34.375	ES
500.00	499.91	500.92	500.92	2.78	2.64	105.64	-160.00	0.00	161.33	156.06	5.28	30.584	
600.00	599.69	602.19	602.18	3.12	2.98	108.30	-159.43	-1.24	162.75	156.91	5.84	27.854	
633.33	632.91	635.80	635.78	3.15	3.09	109.57	-159.00	-2.20	163.31	157.35	5.96	27.410	
700.00	699.32	702.81	702.71	3.25	3.29	112.46	-157.77	-4.90	164.52	158.28	6.24	26.373	
800.00	798.94	802.76	802.44	3.50	3.58	117.41	-155.03	-10.92	166.67	159.94	6.73	24.758	
900.00	898.56	901.66	900.97	3.74	3.70	122.80	-151.51	-18.65	169.83	162.72	7.10	23.905	
1,000.00	998.18	1,000.30	999.24	3.97	3.92	127.98	-147.95	-26.47	174.46	166.88	7.57	23.038	
1,100.00	1,097.80	1,098.95	1,097.51	4.20	4.14	132.86	-144.39	-34.30	180.47	172.44	8.03	22.477	
1,200.00	1,197.42	1,197.59	1,195.78	4.42	4.35	137.41	-140.83	-42.13	187.72	179.24	8.48	22.139	
1,300.00	1,297.04	1,295.10	1,292.81	4.64	4.59	141.87	-136.84	-50.89	196.36	187.44	8.91	22.029	
1,400.00	1,396.66	1,391.68	1,388.64	4.86	4.84	146.56	-131.88	-61.79	206.90	197.55	9.35	22.123	
1,500.00	1,496.28	1,487.25	1,483.14	5.07	5.07	151.31	-125.98	-74.75	219.72	209.93	9.79	22.440	
1,600.00	1,595.90	1,581.71	1,576.17	5.28	5.30	156.00	-119.20	-89.66	235.10	224.87	10.23	22.981	
1,700.00	1,695.52	1,676.41	1,669.05	5.48	5.45	160.54	-111.53	-106.51	253.12	242.51	10.60	23.868	
1,800.00	1,795.14	1,772.67	1,763.37	5.69	5.64	164.61	-103.58	-123.97	272.79	261.77	11.03	24.735	
1,900.00	1,894.76	1,868.93	1,857.70	5.89	5.84	168.13	-95.63	-141.43	293.66	282.20	11.46	25.625	
2,000.00	1,994.38	1,965.19	1,952.03	6.09	6.04	171.19	-87.69	-158.89	315.47	303.59	11.88	26.546	
2,100.00	2,094.00	2,061.45	2,046.36	6.29	6.24	173.86	-79.74	-176.35	338.05	325.75	12.30	27.477	
2,200.00	2,193.62	2,157.71	2,140.69	6.50	6.44	176.19	-71.80	-193.81	361.25	348.52	12.73	28.384	
2,206.41	2,200.00	2,163.88	2,146.73	6.52	6.46	176.33	-71.29	-194.93	362.75	350.00	12.75	28.442	
2,300.00	2,293.13	2,253.68	2,234.73	6.72	6.65	178.24	-63.87	-211.22	386.07	372.92	13.15	29.352	
2,400.00	2,392.34	2,348.96	2,328.10	6.95	6.85	-179.96	-56.01	-228.50	413.83	400.23	13.59	30.445	
2,500.00	2,491.20	2,443.48	2,420.73	7.18	7.07	-178.37	-48.20	-245.64	444.43	430.40	14.03	31.682	
2,600.00	2,589.63	2,537.18	2,512.55	7.41	7.29	-176.99	-40.47	-262.64	477.77	463.31	14.46	33.042	
2,700.00	2,687.57	2,630.00	2,603.50	7.65	7.51	-175.79	-32.81	-279.48	513.77	498.88	14.89	34.511	
2,800.00	2,784.94	2,721.86	2,693.52	7.88	7.74	-174.75	-25.22	-296.14	552.35	537.04	15.31	36.076	
2,873.30	2,855.92	2,788.55	2,758.88	8.02	7.91	-174.08	-19.72	-308.23	582.23	566.64	15.59	37.342	
2,900.00	2,881.71	2,812.75	2,782.59	8.06	7.98	-173.87	-17.72	-312.62	593.36	577.67	15.68	37.831	
3,000.00	2,978.30	2,903.35	2,871.37	8.28	8.21	-173.15	-10.24	-329.06	635.09	619.01	16.08	39.496	
3,100.00	3,074.89	2,993.96	2,960.16	8.49	8.44	-172.52	-2.76	-345.49	676.90	660.42	16.48	41.082	
3,200.00	3,171.49	3,084.56	3,048.95	8.71	8.68	-171.97	4.72	-361.93	718.76	701.89	16.88	42.593	
3,300.00	3,268.08	3,175.17	3,137.74	8.93	8.92	-171.47	12.20	-378.36	760.68	743.40	17.27	44.034	
3,400.00	3,364.67	3,265.77	3,226.53	9.16	9.16	-171.03	19.68	-394.80	802.63	784.96	17.68	45.408	
3,500.00	3,461.26	3,356.38	3,315.32	9.42	9.40	-170.63	27.16	-411.23	844.63	826.55	18.08	46.719	
3,600.00	3,557.85	3,446.99	3,404.10	9.70	9.63	-170.27	34.64	-427.67	886.65	868.17	18.48	47.972	
3,700.00	3,654.44	3,537.59	3,492.89	10.00	9.87	-169.94	42.12	-444.10	928.70	909.81	18.89	49.169	
3,800.00	3,751.03	3,628.20	3,581.68	10.30	10.11	-169.64	49.60	-460.53	970.77	951.48	19.29	50.314	
3,900.00	3,847.62	3,718.80	3,670.47	10.61	10.36	-169.36	57.08	-476.97	1,012.86	993.16	19.70	51.410	
4,000.00	3,944.21	3,809.41	3,759.26	10.93	10.60	-169.11	64.56	-493.40	1,054.97	1,034.86	20.11	52.459	
4,100.00	4,040.80	3,900.02	3,848.05	11.25	10.84	-168.88	72.03	-509.84	1,097.10	1,076.58	20.52	53.464	
4,200.00	4,137.40	3,990.62	3,936.83	11.57	11.08	-168.66	79.51	-526.27	1,139.24	1,118.31	20.93	54.428	
4,300.00	4,233.99	4,081.23	4,025.62	11.89	11.32	-168.46	86.99	-542.71	1,181.40	1,160.05	21.34	55.352	
4,400.00	4,330.58	4,171.83	4,114.41	12.21	11.57	-168.27	94.47	-559.14	1,223.56	1,201.80	21.76	56.240	
4,500.00	4,427.17	4,262.44	4,203.20	12.54	11.81	-168.10	101.95	-575.58	1,265.73	1,243.56	22.17	57.092	
4,600.00	4,523.76	4,353.05	4,291.99	12.87	12.05	-167.93	109.43	-592.01	1,307.92	1,285.33	22.58	57.911	
4,700.00	4,620.35	4,443.65	4,380.78	13.20	12.30	-167.78	116.91	-608.45	1,350.11	1,327.11	23.00	58.699	
4,800.00	4,716.94	4,534.26	4,469.56	13.53	12.54	-167.63	124.39	-624.88	1,392.31	1,368.89	23.42	59.457	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,624.86	4,558.35	13.86	12.78	-167.50	131.87	-641.32	1,434.51	1,410.68	23.83	60.186	
5,000.00	4,910.12	4,715.47	4,647.14	14.19	13.03	-167.37	139.35	-657.75	1,476.73	1,452.47	24.25	60.889	
5,100.00	5,006.72	4,806.07	4,735.93	14.53	13.27	-167.25	146.83	-674.18	1,518.94	1,494.27	24.67	61.566	
5,200.00	5,103.31	4,896.68	4,824.72	14.86	13.52	-167.13	154.31	-690.62	1,561.17	1,536.08	25.09	62.219	
5,300.00	5,199.90	4,987.29	4,913.51	15.20	13.76	-167.03	161.79	-707.05	1,603.40	1,577.88	25.51	62.849	
5,400.00	5,296.49	5,077.89	5,002.29	15.53	14.01	-166.92	169.27	-723.49	1,645.63	1,619.69	25.93	63.456	
5,500.00	5,393.08	5,168.50	5,091.08	15.87	14.25	-166.83	176.75	-739.92	1,687.86	1,661.51	26.36	64.043	
5,600.00	5,489.67	5,259.10	5,179.87	16.21	14.50	-166.73	184.23	-756.36	1,730.11	1,703.33	26.78	64.609	
5,700.00	5,586.26	5,349.71	5,268.66	16.55	14.74	-166.64	191.71	-772.79	1,772.35	1,745.15	27.20	65.157	
5,800.00	5,682.85	5,440.32	5,357.45	16.89	14.99	-166.56	199.19	-789.23	1,814.60	1,786.97	27.63	65.686	
5,900.00	5,779.44	5,530.92	5,446.24	17.23	15.23	-166.48	206.67	-805.66	1,856.85	1,828.80	28.05	66.198	
5,915.24	5,794.17	5,544.73	5,459.77	17.27	15.27	-166.47	207.81	-808.17	1,863.29	1,835.18	28.11	66.287	
6,000.00	5,876.27	5,621.90	5,535.39	17.54	15.48	-166.53	214.18	-822.16	1,898.27	1,869.80	28.47	66.685	
6,100.00	5,973.71	5,713.88	5,625.52	17.85	15.73	-166.58	221.77	-838.85	1,937.39	1,908.49	28.90	67.043	
6,200.00	6,071.71	5,806.79	5,716.57	18.12	15.98	-166.60	229.44	-855.70	1,974.17	1,944.84	29.33	67.316	
6,300.00	6,170.19	5,900.59	5,808.49	18.37	16.24	-166.60	237.19	-872.71	2,008.57	1,978.81	29.76	67.501	
6,400.00	6,269.10	6,078.97	5,984.02	18.59	16.68	-166.49	250.32	-901.57	2,038.74	2,008.24	30.50	66.840	
6,500.00	6,368.35	6,268.41	6,171.82	18.78	17.06	-166.43	260.53	-924.01	2,062.22	2,031.01	31.21	66.072	
6,600.00	6,467.89	6,462.54	6,365.31	18.94	17.34	-166.43	266.98	-938.19	2,078.74	2,046.90	31.84	65.290	
6,700.00	6,567.65	6,659.73	6,562.39	19.07	17.52	-166.48	269.36	-943.41	2,088.13	2,055.81	32.32	64.602	
6,800.00	6,667.55	6,765.89	6,668.55	19.18	17.58	-166.53	269.37	-943.43	2,092.35	2,059.81	32.55	64.291	
6,900.00	6,767.53	6,865.87	6,768.53	19.26	17.64	-166.54	269.37	-943.43	2,094.02	2,061.27	32.74	63.950	
6,915.47	6,783.00	6,881.34	6,784.00	19.26	17.64	-90.39	269.37	-943.43	2,094.05	2,061.29	32.76	63.920	
7,000.00	6,867.53	6,965.87	6,868.53	19.30	17.69	-90.39	269.37	-943.43	2,094.05	2,061.20	32.84	63.757	
7,100.00	6,967.53	7,065.87	6,968.53	19.35	17.75	-90.39	269.37	-943.43	2,094.05	2,061.10	32.95	63.546	
7,200.00	7,067.53	7,165.87	7,068.53	19.40	17.81	-90.39	269.37	-943.43	2,094.05	2,060.99	33.06	63.336	
7,300.00	7,167.53	7,265.87	7,168.53	19.45	17.87	-90.39	269.37	-943.43	2,094.05	2,060.88	33.17	63.126	
7,400.00	7,267.53	7,365.87	7,268.53	19.50	17.93	-90.39	269.37	-943.43	2,094.05	2,060.77	33.28	62.917	
7,500.00	7,367.53	7,465.87	7,368.53	19.55	17.99	-90.39	269.37	-943.43	2,094.05	2,060.66	33.39	62.708	
7,600.00	7,467.53	7,565.87	7,468.53	19.60	18.05	-90.39	269.37	-943.43	2,094.05	2,060.54	33.50	62.500	
7,700.00	7,567.53	7,665.87	7,568.53	19.65	18.11	-90.39	269.37	-943.43	2,094.05	2,060.43	33.62	62.293	
7,800.00	7,667.53	7,765.87	7,668.53	19.71	18.17	-90.39	269.37	-943.43	2,094.05	2,060.32	33.73	62.086	
7,900.00	7,767.53	7,865.87	7,768.53	19.76	18.23	-90.39	269.37	-943.43	2,094.05	2,060.21	33.84	61.880	
8,000.00	7,867.53	7,965.87	7,868.53	19.81	18.29	-90.39	269.37	-943.43	2,094.05	2,060.10	33.95	61.674	
8,100.00	7,967.53	8,065.87	7,968.53	19.86	18.35	-90.39	269.37	-943.43	2,094.05	2,059.98	34.07	61.469	
8,200.00	8,067.53	8,165.87	8,068.53	19.92	18.41	-90.39	269.37	-943.43	2,094.05	2,059.87	34.18	61.265	
8,300.00	8,167.53	8,265.87	8,168.53	19.97	18.47	-90.39	269.37	-943.43	2,094.05	2,059.75	34.29	61.061	
8,400.00	8,267.53	8,365.87	8,268.53	20.02	18.54	-90.39	269.37	-943.43	2,094.05	2,059.64	34.41	60.858	
8,500.00	8,367.53	8,465.87	8,368.53	20.08	18.60	-90.39	269.37	-943.43	2,094.05	2,059.53	34.52	60.656	
8,600.00	8,467.53	8,565.87	8,468.53	20.13	18.66	-90.39	269.37	-943.43	2,094.05	2,059.41	34.64	60.454	
8,700.00	8,567.53	8,665.87	8,568.53	20.18	18.72	-90.39	269.37	-943.43	2,094.05	2,059.29	34.75	60.253	
8,800.00	8,667.53	8,765.87	8,668.53	20.24	18.78	-90.39	269.37	-943.43	2,094.05	2,059.18	34.87	60.053	
8,900.00	8,767.53	8,865.87	8,768.53	20.29	18.84	-90.39	269.37	-943.43	2,094.05	2,059.06	34.99	59.853	
9,000.00	8,867.53	8,965.87	8,868.53	20.35	18.91	-90.39	269.37	-943.43	2,094.05	2,058.95	35.10	59.654	
9,100.00	8,967.53	9,065.87	8,968.53	20.40	18.97	-90.39	269.37	-943.43	2,094.05	2,058.83	35.22	59.456	
9,200.00	9,067.53	9,165.87	9,068.53	20.45	19.03	-90.39	269.37	-943.43	2,094.05	2,058.71	35.34	59.258	
9,300.00	9,167.53	9,265.87	9,168.53	20.51	19.09	-90.39	269.37	-943.43	2,094.05	2,058.59	35.46	59.061	
9,400.00	9,267.53	9,365.87	9,268.53	20.56	19.16	-90.39	269.37	-943.43	2,094.05	2,058.47	35.57	58.865	
9,500.00	9,367.53	9,465.87	9,368.53	20.62	19.22	-90.39	269.37	-943.43	2,094.05	2,058.36	35.69	58.670	
9,600.00	9,467.53	9,565.87	9,468.53	20.68	19.28	-90.39	269.37	-943.43	2,094.05	2,058.24	35.81	58.475	
9,700.00	9,567.53	9,665.87	9,568.53	20.73	19.35	-90.39	269.37	-943.43	2,094.05	2,058.12	35.93	58.281	
9,800.00	9,667.53	9,765.87	9,668.53	20.79	19.41	-90.39	269.37	-943.43	2,094.05	2,058.00	36.05	58.088	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,865.87	9,768.53	20.84	19.47	-90.39	269.37	-943.43	2,094.05	2,057.88	36.17	57.895	
10,000.00	9,867.53	9,965.87	9,868.53	20.90	19.54	-90.39	269.37	-943.43	2,094.05	2,057.76	36.29	57.703	
10,100.00	9,967.53	10,065.87	9,968.53	20.95	19.60	-90.39	269.37	-943.43	2,094.05	2,057.64	36.41	57.512	
10,200.00	10,067.53	10,165.87	10,068.53	21.01	19.66	-90.39	269.37	-943.43	2,094.05	2,057.52	36.53	57.322	
10,300.00	10,167.53	10,265.87	10,168.53	21.07	19.73	-90.39	269.37	-943.43	2,094.05	2,057.40	36.65	57.133	
10,400.00	10,267.53	10,365.87	10,268.53	21.12	19.79	-90.39	269.37	-943.43	2,094.05	2,057.27	36.77	56.944	
10,500.00	10,367.53	10,465.87	10,368.53	21.18	19.86	-90.39	269.37	-943.43	2,094.05	2,057.15	36.90	56.756	
10,600.00	10,467.53	10,565.87	10,468.53	21.24	19.92	-90.39	269.37	-943.43	2,094.05	2,057.03	37.02	56.568	
10,700.00	10,567.53	10,665.87	10,568.53	21.30	19.99	-90.39	269.37	-943.43	2,094.05	2,056.91	37.14	56.382	
10,800.00	10,667.53	10,765.87	10,668.53	21.35	20.05	-90.39	269.37	-943.43	2,094.05	2,056.79	37.26	56.196	
10,900.00	10,767.53	10,865.87	10,768.53	21.41	20.11	-90.39	269.37	-943.43	2,094.05	2,056.66	37.39	56.011	
11,000.00	10,867.53	10,965.87	10,868.53	21.47	20.18	-90.39	269.37	-943.43	2,094.05	2,056.54	37.51	55.827	
11,100.00	10,967.53	11,065.87	10,968.53	21.53	20.24	-90.39	269.37	-943.43	2,094.05	2,056.42	37.63	55.643	
11,200.00	11,067.53	11,165.87	11,068.53	21.58	20.30	-90.39	269.37	-943.43	2,094.05	2,056.30	37.75	55.473	
11,275.13	11,142.66	11,241.15	11,143.66	21.63	20.33	-90.49	265.60	-943.40	2,094.05	2,056.27	37.78	55.428	
11,300.00	11,167.53	11,265.72	11,168.00	21.64	20.34	-90.58	262.26	-943.37	2,094.05	2,056.27	37.78	55.431	
11,400.00	11,267.53	11,360.42	11,259.88	21.70	20.35	-91.20	239.74	-943.17	2,094.22	2,056.48	37.74	55.490	
11,500.00	11,367.53	11,445.75	11,338.49	21.76	20.35	-92.10	206.74	-942.89	2,095.09	2,057.42	37.67	55.615	
11,600.00	11,467.53	11,519.89	11,402.16	21.82	20.34	-93.14	168.86	-942.56	2,097.33	2,059.73	37.60	55.777	
11,686.47	11,554.00	11,574.98	11,446.02	21.86	20.33	-94.05	135.56	-942.28	2,100.91	2,063.35	37.56	55.937	
11,700.00	11,567.53	11,582.97	11,452.10	21.86	20.33	86.24	130.38	-942.23	2,101.62	2,064.08	37.55	55.973	
11,750.00	11,617.40	11,612.26	11,473.79	21.90	20.33	85.46	110.71	-942.06	2,104.48	2,066.99	37.49	56.127	
11,800.00	11,666.79	11,641.22	11,494.21	21.93	20.33	84.68	90.18	-941.89	2,107.63	2,070.19	37.45	56.281	
11,850.00	11,715.32	11,669.91	11,513.40	21.95	20.34	83.90	68.85	-941.70	2,111.00	2,073.60	37.40	56.443	
11,900.00	11,762.62	11,700.00	11,532.35	21.97	20.35	83.12	45.48	-941.50	2,114.52	2,077.17	37.35	56.617	
11,950.00	11,808.34	11,726.63	11,548.08	21.99	20.36	82.41	24.00	-941.32	2,118.12	2,080.80	37.32	56.760	
12,000.00	11,852.12	11,750.00	11,561.05	22.01	20.38	81.75	4.56	-941.15	2,121.74	2,084.45	37.30	56.886	
12,050.00	11,893.63	11,782.66	11,577.82	22.03	20.40	81.02	-23.46	-940.91	2,125.31	2,088.03	37.27	57.024	
12,100.00	11,932.55	11,810.47	11,590.82	22.05	20.43	80.39	-48.04	-940.70	2,128.77	2,091.50	37.27	57.123	
12,150.00	11,968.60	11,838.18	11,602.57	22.09	20.46	79.80	-73.13	-940.48	2,132.07	2,094.79	37.28	57.193	
12,200.00	12,001.49	11,865.79	11,613.06	22.13	20.50	79.26	-98.66	-940.26	2,135.16	2,097.86	37.31	57.231	
12,250.00	12,030.97	11,900.00	11,624.34	22.19	20.56	78.72	-130.96	-939.98	2,138.01	2,100.67	37.34	57.251	
12,300.00	12,056.82	11,920.79	11,630.24	22.26	20.60	78.35	-150.89	-939.81	2,140.52	2,103.10	37.42	57.201	
12,350.00	12,078.85	11,950.00	11,637.30	22.35	20.66	77.97	-179.23	-939.57	2,142.71	2,105.21	37.50	57.136	
12,400.00	12,096.88	11,975.57	11,642.29	22.47	20.71	77.68	-204.30	-939.35	2,144.53	2,106.92	37.61	57.020	
12,450.00	12,110.78	12,000.00	11,646.01	22.60	20.77	77.46	-228.45	-939.14	2,145.96	2,108.23	37.73	56.881	
12,500.00	12,120.45	12,030.21	11,649.18	22.75	20.85	77.28	-258.48	-938.89	2,146.97	2,109.09	37.87	56.689	
12,550.00	12,125.80	12,057.50	11,650.68	22.93	20.93	77.19	-285.73	-938.65	2,147.54	2,109.52	38.03	56.474	
12,581.47	12,126.94	12,078.25	11,651.00	23.05	21.00	77.17	-306.48	-938.47	2,147.68	2,109.54	38.14	56.312	
12,600.00	12,127.10	12,096.78	11,651.17	23.12	21.06	77.17	-325.00	-938.31	2,147.68	2,109.46	38.22	56.190	
12,700.00	12,127.97	12,196.78	11,652.03	23.56	21.41	77.17	-425.00	-937.45	2,147.68	2,108.87	38.81	55.339	
12,800.00	12,128.84	12,296.78	11,652.90	24.06	21.83	77.17	-524.99	-936.59	2,147.68	2,108.11	39.57	54.276	
12,900.00	12,129.71	12,396.78	11,653.76	24.61	22.29	77.17	-624.98	-935.73	2,147.68	2,107.19	40.49	53.039	
13,000.00	12,130.58	12,496.78	11,654.63	25.21	22.82	77.17	-724.97	-934.87	2,147.69	2,106.12	41.57	51.666	
13,100.00	12,131.46	12,596.78	11,655.50	25.87	23.40	77.17	-824.97	-934.01	2,147.69	2,104.90	42.79	50.197	
13,200.00	12,132.33	12,696.78	11,656.36	26.56	24.03	77.17	-924.96	-933.15	2,147.69	2,103.56	44.13	48.666	
13,300.00	12,133.20	12,796.78	11,657.23	27.30	24.71	77.17	-1,024.95	-932.29	2,147.69	2,102.10	45.60	47.103	
13,400.00	12,134.07	12,896.78	11,658.09	28.08	25.43	77.17	-1,124.94	-931.43	2,147.69	2,100.53	47.17	45.535	
13,500.00	12,134.94	12,996.78	11,658.96	28.90	26.21	77.17	-1,224.94	-930.57	2,147.69	2,098.86	48.83	43.980	
13,600.00	12,135.81	13,096.78	11,659.83	29.75	27.02	77.17	-1,324.93	-929.71	2,147.70	2,097.11	50.59	42.455	
13,700.00	12,136.69	13,196.78	11,660.69	30.63	27.88	77.17	-1,424.92	-928.85	2,147.70	2,095.28	52.42	40.971	
13,800.00	12,137.56	13,296.78	11,661.56	31.55	28.77	77.17	-1,524.91	-927.98	2,147.70	2,093.38	54.32	39.536	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,138.43	13,396.78	11,662.42	32.50	29.70	77.17	-1,624.91	-927.12	2,147.70	2,091.41	56.29	38.155	
14,000.00	12,139.30	13,496.78	11,663.29	33.47	30.65	77.17	-1,724.90	-926.26	2,147.70	2,089.39	58.31	36.832	
14,100.00	12,140.17	13,596.78	11,664.16	34.47	31.64	77.17	-1,824.89	-925.40	2,147.70	2,087.32	60.38	35.567	
14,200.00	12,141.04	13,696.78	11,665.02	35.49	32.66	77.17	-1,924.88	-924.54	2,147.71	2,085.20	62.50	34.361	
14,300.00	12,141.92	13,796.78	11,665.89	36.53	33.70	77.17	-2,024.88	-923.68	2,147.71	2,083.04	64.67	33.212	
14,400.00	12,142.79	13,896.78	11,666.75	37.59	34.76	77.17	-2,124.87	-922.82	2,147.71	2,080.85	66.86	32.120	
14,500.00	12,143.66	13,996.78	11,667.62	38.67	35.84	77.17	-2,224.86	-921.96	2,147.71	2,078.61	69.10	31.083	
14,600.00	12,144.53	14,096.78	11,668.49	39.77	36.94	77.17	-2,324.85	-921.10	2,147.71	2,076.35	71.36	30.097	
14,700.00	12,145.40	14,196.78	11,669.35	40.88	38.06	77.17	-2,424.85	-920.24	2,147.72	2,074.06	73.65	29.161	
14,800.00	12,146.27	14,296.78	11,670.22	42.01	39.20	77.17	-2,524.84	-919.38	2,147.72	2,071.75	75.97	28.272	
14,900.00	12,147.14	14,396.78	11,671.08	43.15	40.35	77.17	-2,624.83	-918.52	2,147.72	2,069.41	78.31	27.427	
15,000.00	12,148.02	14,496.78	11,671.95	44.31	41.51	77.17	-2,724.82	-917.66	2,147.72	2,067.05	80.67	26.624	
15,100.00	12,148.89	14,596.78	11,672.82	45.47	42.69	77.17	-2,824.82	-916.80	2,147.72	2,064.68	83.05	25.861	
15,200.00	12,149.76	14,696.78	11,673.68	46.65	43.87	77.17	-2,924.81	-915.93	2,147.72	2,062.28	85.44	25.136	
15,300.00	12,150.63	14,796.78	11,674.55	47.83	45.07	77.17	-3,024.80	-915.07	2,147.73	2,059.87	87.86	24.445	
15,400.00	12,151.50	14,896.78	11,675.41	49.03	46.28	77.16	-3,124.79	-914.21	2,147.73	2,057.44	90.29	23.788	
15,500.00	12,152.37	14,996.78	11,676.28	50.23	47.49	77.16	-3,224.79	-913.35	2,147.73	2,055.00	92.73	23.161	
15,600.00	12,153.25	15,096.78	11,677.15	51.45	48.72	77.16	-3,324.78	-912.49	2,147.73	2,052.55	95.18	22.564	
15,700.00	12,154.12	15,196.78	11,678.01	52.67	49.95	77.16	-3,424.77	-911.63	2,147.73	2,050.08	97.65	21.994	
15,800.00	12,154.99	15,296.78	11,678.88	53.89	51.19	77.16	-3,524.76	-910.77	2,147.74	2,047.61	100.13	21.450	
15,900.00	12,155.86	15,396.78	11,679.74	55.13	52.43	77.16	-3,624.76	-909.91	2,147.74	2,045.12	102.62	20.930	
16,000.00	12,156.73	15,496.78	11,680.61	56.37	53.69	77.16	-3,724.75	-909.05	2,147.74	2,042.62	105.11	20.432	
16,100.00	12,157.60	15,596.78	11,681.47	57.61	54.94	77.16	-3,824.74	-908.19	2,147.74	2,040.12	107.62	19.957	
16,200.00	12,158.48	15,696.78	11,682.34	58.86	56.21	77.16	-3,924.73	-907.33	2,147.74	2,037.61	110.13	19.501	
16,300.00	12,159.35	15,796.78	11,683.21	60.12	57.47	77.16	-4,024.73	-906.47	2,147.74	2,035.09	112.66	19.065	
16,400.00	12,160.22	15,896.78	11,684.07	61.38	58.75	77.16	-4,124.72	-905.61	2,147.75	2,032.56	115.18	18.646	
16,500.00	12,161.09	15,996.78	11,684.94	62.65	60.02	77.16	-4,224.71	-904.75	2,147.75	2,030.03	117.72	18.245	
16,600.00	12,161.96	16,096.78	11,685.80	63.92	61.30	77.16	-4,324.71	-903.88	2,147.75	2,027.49	120.26	17.859	
16,700.00	12,162.83	16,196.78	11,686.67	65.19	62.59	77.16	-4,424.70	-903.02	2,147.75	2,024.94	122.81	17.489	
16,800.00	12,163.71	16,296.78	11,687.54	66.47	63.88	77.16	-4,524.69	-902.16	2,147.75	2,022.39	125.36	17.133	
16,900.00	12,164.58	16,396.78	11,688.40	67.75	65.17	77.16	-4,624.68	-901.30	2,147.75	2,019.84	127.92	16.790	
17,000.00	12,165.45	16,496.78	11,689.27	69.04	66.46	77.16	-4,724.68	-900.44	2,147.76	2,017.28	130.48	16.460	
17,100.00	12,166.32	16,596.78	11,690.13	70.32	67.76	77.16	-4,824.67	-899.58	2,147.76	2,014.71	133.05	16.143	
17,200.00	12,167.19	16,696.78	11,691.00	71.61	69.06	77.16	-4,924.66	-898.72	2,147.76	2,012.14	135.62	15.837	
17,300.00	12,168.06	16,796.78	11,691.87	72.91	70.37	77.16	-5,024.65	-897.86	2,147.76	2,009.57	138.20	15.541	
17,400.00	12,168.94	16,896.78	11,692.73	74.21	71.67	77.16	-5,124.65	-897.00	2,147.76	2,006.99	140.78	15.257	
17,500.00	12,169.81	16,996.78	11,693.60	75.50	72.98	77.16	-5,224.64	-896.14	2,147.77	2,004.41	143.36	14.982	
17,600.00	12,170.68	17,096.78	11,694.46	76.81	74.29	77.16	-5,324.63	-895.28	2,147.77	2,001.82	145.94	14.716	
17,700.00	12,171.55	17,196.78	11,695.33	78.11	75.60	77.16	-5,424.62	-894.42	2,147.77	1,999.23	148.53	14.460	
17,800.00	12,172.42	17,296.78	11,696.20	79.42	76.92	77.16	-5,524.62	-893.56	2,147.77	1,996.64	151.13	14.212	
17,900.00	12,173.29	17,396.78	11,697.06	80.72	78.23	77.16	-5,624.61	-892.69	2,147.77	1,994.05	153.72	13.972	
18,000.00	12,174.17	17,496.78	11,697.93	82.03	79.55	77.16	-5,724.60	-891.83	2,147.77	1,991.45	156.32	13.739	
18,100.00	12,175.04	17,596.78	11,698.79	83.35	80.87	77.16	-5,824.59	-890.97	2,147.78	1,988.85	158.92	13.515	
18,200.00	12,175.91	17,696.78	11,699.66	84.66	82.19	77.16	-5,924.59	-890.11	2,147.78	1,986.25	161.53	13.297	
18,300.00	12,176.78	17,796.78	11,700.53	85.98	83.52	77.16	-6,024.58	-889.25	2,147.78	1,983.65	164.13	13.086	
18,400.00	12,177.65	17,896.78	11,701.39	87.29	84.84	77.16	-6,124.57	-888.39	2,147.78	1,981.04	166.74	12.881	
18,500.00	12,178.52	17,996.78	11,702.26	88.61	86.17	77.16	-6,224.56	-887.53	2,147.78	1,978.43	169.35	12.682	
18,600.00	12,179.39	18,096.78	11,703.12	89.93	87.50	77.16	-6,324.56	-886.67	2,147.79	1,975.82	171.96	12.490	
18,700.00	12,180.27	18,196.78	11,703.99	91.26	88.82	77.16	-6,424.55	-885.81	2,147.79	1,973.21	174.58	12.303	
18,800.00	12,181.14	18,296.78	11,704.86	92.58	90.15	77.16	-6,524.54	-884.95	2,147.79	1,970.59	177.19	12.121	
18,900.00	12,182.01	18,396.78	11,705.72	93.90	91.49	77.16	-6,624.53	-884.09	2,147.79	1,967.98	179.81	11.945	
19,000.00	12,182.88	18,496.78	11,706.59	95.23	92.82	77.16	-6,724.53	-883.23	2,147.79	1,965.36	182.43	11.773	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	12,183.75	18,596.78	11,707.45	96.56	94.15	77.16	-6,824.52	-882.37	2,147.79	1,962.74	185.05	11.606	
19,200.00	12,184.62	18,696.78	11,708.32	97.89	95.49	77.16	-6,924.51	-881.51	2,147.80	1,960.12	187.68	11.444	
19,300.00	12,185.50	18,796.78	11,709.19	99.22	96.82	77.16	-7,024.50	-880.64	2,147.80	1,957.49	190.30	11.286	
19,400.00	12,186.37	18,896.78	11,710.05	100.55	98.16	77.16	-7,124.50	-879.78	2,147.80	1,954.87	192.93	11.133	
19,500.00	12,187.24	18,996.78	11,710.92	101.88	99.50	77.16	-7,224.49	-878.92	2,147.80	1,952.24	195.56	10.983	
19,600.00	12,188.11	19,096.78	11,711.78	103.21	100.83	77.16	-7,324.48	-878.06	2,147.80	1,949.62	198.19	10.837	
19,700.00	12,188.98	19,196.78	11,712.65	104.54	102.17	77.16	-7,424.47	-877.20	2,147.80	1,946.99	200.82	10.695	
19,800.00	12,189.85	19,296.78	11,713.52	105.88	103.51	77.16	-7,524.47	-876.34	2,147.81	1,944.36	203.45	10.557	
19,900.00	12,190.73	19,396.78	11,714.38	107.21	104.85	77.16	-7,624.46	-875.48	2,147.81	1,941.73	206.08	10.422	
20,000.00	12,191.60	19,496.78	11,715.25	108.55	106.20	77.16	-7,724.45	-874.62	2,147.81	1,939.10	208.72	10.291	
20,100.00	12,192.47	19,596.78	11,716.11	109.89	107.54	77.16	-7,824.44	-873.76	2,147.81	1,936.46	211.35	10.162	
20,200.00	12,193.34	19,696.78	11,716.98	111.23	108.88	77.16	-7,924.44	-872.90	2,147.81	1,933.83	213.99	10.037	
20,300.00	12,194.21	19,796.78	11,717.85	112.56	110.22	77.16	-8,024.43	-872.04	2,147.82	1,931.19	216.62	9.915	
20,400.00	12,195.08	19,896.78	11,718.71	113.90	111.57	77.16	-8,124.42	-871.18	2,147.82	1,928.56	219.26	9.796	
20,500.00	12,195.96	19,996.78	11,719.58	115.24	112.91	77.16	-8,224.41	-870.32	2,147.82	1,925.92	221.90	9.679	
20,600.00	12,196.83	20,096.78	11,720.44	116.58	114.26	77.16	-8,324.41	-869.45	2,147.82	1,923.28	224.54	9.565	
20,700.00	12,197.70	20,196.78	11,721.31	117.93	115.61	77.16	-8,424.40	-868.59	2,147.82	1,920.64	227.18	9.454	
20,800.00	12,198.57	20,296.78	11,722.18	119.27	116.95	77.16	-8,524.39	-867.73	2,147.82	1,918.00	229.82	9.346	
20,900.00	12,199.44	20,396.78	11,723.04	120.61	118.30	77.16	-8,624.38	-866.87	2,147.83	1,915.36	232.47	9.239	
21,000.00	12,200.31	20,496.78	11,723.91	121.95	119.65	77.16	-8,724.38	-866.01	2,147.83	1,912.72	235.11	9.135	
21,100.00	12,201.19	20,596.78	11,724.77	123.30	120.99	77.16	-8,824.37	-865.15	2,147.83	1,910.08	237.75	9.034	
21,200.00	12,202.06	20,696.78	11,725.64	124.64	122.34	77.16	-8,924.36	-864.29	2,147.83	1,907.43	240.40	8.934	
21,300.00	12,202.93	20,796.78	11,726.51	125.99	123.69	77.16	-9,024.35	-863.43	2,147.83	1,904.79	243.04	8.837	
21,400.00	12,203.80	20,896.78	11,727.37	127.33	125.04	77.16	-9,124.35	-862.57	2,147.84	1,902.14	245.69	8.742	
21,500.00	12,204.67	20,996.78	11,728.24	128.68	126.39	77.16	-9,224.34	-861.71	2,147.84	1,899.50	248.34	8.649	
21,600.00	12,205.54	21,096.78	11,729.10	130.03	127.74	77.16	-9,324.33	-860.85	2,147.84	1,896.85	250.99	8.558	
21,700.00	12,206.41	21,196.78	11,729.97	131.37	129.09	77.16	-9,424.32	-859.99	2,147.84	1,894.21	253.63	8.468	
21,800.00	12,207.29	21,296.78	11,730.84	132.72	130.44	77.16	-9,524.32	-859.13	2,147.84	1,891.56	256.28	8.381	
21,900.00	12,208.16	21,396.78	11,731.70	134.07	131.80	77.16	-9,624.31	-858.27	2,147.84	1,888.91	258.93	8.295	
22,000.00	12,209.03	21,496.78	11,732.57	135.42	133.15	77.16	-9,724.30	-857.40	2,147.85	1,886.26	261.58	8.211	
22,100.00	12,209.90	21,596.78	11,733.43	136.77	134.50	77.16	-9,824.30	-856.54	2,147.85	1,883.61	264.23	8.129	
22,200.00	12,210.77	21,696.78	11,734.30	138.12	135.85	77.16	-9,924.29	-855.68	2,147.85	1,880.96	266.88	8.048	
22,300.00	12,211.64	21,796.78	11,735.17	139.47	137.21	77.16	-10,024.28	-854.82	2,147.85	1,878.31	269.54	7.969	
22,400.00	12,212.52	21,896.78	11,736.03	140.82	138.56	77.15	-10,124.27	-853.96	2,147.85	1,875.66	272.19	7.891	
22,500.00	12,213.39	21,996.78	11,736.90	142.17	139.80	77.15	-10,224.27	-853.10	2,147.86	1,873.16	274.69	7.819	
22,500.76	12,213.39	21,997.54	11,736.91	142.18	139.81	77.15	-10,225.03	-853.09	2,147.86	1,873.14	274.71	7.819	
22,512.90	12,213.50	22,008.51	11,737.00	142.34	139.94	77.15	-10,236.00	-853.00	2,147.86	1,872.85	275.00	7.810	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	0.00	25.00	0.00	25.00				
100.00	100.00	100.00	100.00	0.98	0.98	0.00	25.00	0.00	25.00	23.04	1.96	12.741	
200.00	200.00	200.00	200.00	1.56	1.56	0.00	25.00	0.00	25.00	21.88	3.12	8.007	
300.00	300.00	300.00	300.00	1.98	1.98	0.00	25.00	0.00	25.00	21.04	3.96	6.309	CC
400.00	399.99	399.63	399.62	2.41	2.41	-76.57	25.73	1.08	25.42	20.73	4.68	5.427	ES
500.00	499.91	499.26	499.17	2.78	2.78	-77.74	27.90	4.31	26.67	21.36	5.31	5.027	
600.00	599.69	598.85	598.55	3.12	3.12	-79.47	31.52	9.70	28.78	22.91	5.86	4.907	
633.33	632.91	632.05	631.63	3.15	3.15	-80.12	33.05	11.97	29.68	23.76	5.92	5.015	
700.00	699.32	698.68	698.00	3.25	3.26	-81.37	36.29	16.79	31.59	25.47	6.12	5.158	
800.00	798.94	798.63	797.58	3.50	3.51	-82.99	41.15	24.01	34.48	27.86	6.62	5.208	
900.00	898.56	898.58	897.15	3.74	3.75	-84.35	46.02	31.24	37.40	30.30	7.10	5.270	
1,000.00	998.18	998.54	996.72	3.97	3.98	-85.51	50.88	38.47	40.33	32.78	7.55	5.340	
1,100.00	1,097.80	1,098.49	1,096.30	4.20	4.21	-86.52	55.74	45.70	43.28	35.29	7.99	5.415	
1,200.00	1,197.42	1,198.45	1,195.87	4.42	4.43	-87.40	60.61	52.93	46.24	37.82	8.42	5.492	
1,300.00	1,297.04	1,298.40	1,295.45	4.64	4.65	-88.17	65.47	60.15	49.21	40.38	8.84	5.570	
1,400.00	1,396.66	1,398.35	1,395.02	4.86	4.87	-88.85	70.33	67.38	52.19	42.95	9.24	5.648	
1,500.00	1,496.28	1,498.31	1,494.59	5.07	5.08	-89.46	75.19	74.61	55.17	45.54	9.64	5.725	
1,600.00	1,595.90	1,598.26	1,594.17	5.28	5.29	-90.01	80.06	81.84	58.16	48.14	10.03	5.802	
1,700.00	1,695.52	1,698.21	1,693.74	5.48	5.50	-90.50	84.92	89.07	61.16	50.75	10.41	5.877	
1,800.00	1,795.14	1,798.17	1,793.31	5.69	5.70	-90.95	89.78	96.30	64.16	53.38	10.78	5.951	
1,900.00	1,894.76	1,898.12	1,892.89	5.89	5.91	-91.36	94.64	103.52	67.16	56.01	11.15	6.023	
2,000.00	1,994.38	1,998.08	1,992.46	6.09	6.11	-91.73	99.51	110.75	70.17	58.65	11.52	6.093	
2,100.00	2,094.00	2,098.03	2,092.03	6.29	6.31	-92.08	104.37	117.98	73.17	61.30	11.87	6.162	
2,200.00	2,193.62	2,197.98	2,191.61	6.50	6.52	-92.39	109.23	125.21	76.18	63.93	12.25	6.218	
2,206.41	2,200.00	2,204.39	2,197.99	6.52	6.53	-92.41	109.54	125.67	76.38	64.10	12.28	6.221	
2,300.00	2,293.13	2,297.37	2,290.51	6.72	6.73	-92.71	114.67	133.29	79.57	66.98	12.59	6.318	
2,400.00	2,392.34	2,396.65	2,389.03	6.95	6.96	-93.07	121.53	143.48	83.86	70.89	12.97	6.464	
2,500.00	2,491.20	2,495.88	2,487.13	7.18	7.19	-93.45	129.81	155.79	89.04	75.67	13.37	6.659	
2,600.00	2,589.63	2,595.40	2,585.19	7.41	7.35	-94.08	139.31	169.92	95.01	81.27	13.73	6.918	
2,700.00	2,687.57	2,695.14	2,683.41	7.65	7.55	-95.96	148.98	184.29	101.30	87.13	14.17	7.150	
2,800.00	2,784.94	2,794.75	2,781.51	7.88	7.75	-98.98	158.64	198.64	108.07	93.45	14.62	7.392	
2,873.30	2,855.92	2,867.63	2,853.28	8.02	7.90	-101.76	165.70	209.14	113.55	98.61	14.94	7.600	
2,900.00	2,881.71	2,894.16	2,879.41	8.06	7.96	-102.86	168.27	212.96	115.67	100.62	15.05	7.686	
3,000.00	2,978.30	2,993.50	2,977.24	8.28	8.16	-106.63	177.90	227.28	123.94	108.40	15.54	7.977	
3,100.00	3,074.89	3,092.85	3,075.08	8.49	8.37	-109.91	187.53	241.59	132.69	116.65	16.03	8.276	
3,200.00	3,171.49	3,192.19	3,172.92	8.71	8.57	-112.79	197.16	255.90	141.81	125.28	16.53	8.579	
3,300.00	3,268.08	3,291.54	3,270.75	8.93	8.78	-115.31	206.79	270.21	151.25	134.22	17.03	8.881	
3,400.00	3,364.67	3,390.88	3,368.59	9.16	8.98	-117.54	216.42	284.53	160.94	143.41	17.53	9.181	
3,500.00	3,461.26	3,490.23	3,466.43	9.42	9.19	-119.51	226.05	298.84	170.85	152.82	18.03	9.476	
3,600.00	3,557.85	3,589.57	3,564.26	9.70	9.39	-121.26	235.68	313.15	180.94	162.41	18.53	9.765	
3,700.00	3,654.44	3,688.92	3,662.10	10.00	9.60	-122.83	245.31	327.46	191.18	172.16	19.02	10.050	
3,800.00	3,751.03	3,787.02	3,758.89	10.30	9.81	-124.52	254.21	340.70	201.83	182.32	19.50	10.349	
3,900.00	3,847.62	3,884.56	3,855.51	10.61	10.02	-126.68	261.69	351.82	213.37	193.41	19.96	10.687	
4,000.00	3,944.21	3,981.50	3,951.83	10.93	10.23	-129.20	267.76	360.84	226.04	205.63	20.40	11.079	
4,100.00	4,040.80	4,077.72	4,047.68	11.25	10.43	-131.98	272.43	367.79	240.05	219.24	20.82	11.533	
4,200.00	4,137.40	4,173.10	4,142.87	11.57	10.61	-134.93	275.73	372.69	255.64	234.44	21.20	12.057	
4,300.00	4,233.99	4,267.54	4,237.24	11.89	10.78	-137.96	277.69	375.60	273.02	251.46	21.57	12.660	
4,400.00	4,330.58	4,360.94	4,330.63	12.21	10.89	-141.00	278.35	376.58	292.36	270.49	21.88	13.365	
4,500.00	4,427.17	4,457.47	4,427.17	12.54	10.96	-143.95	278.35	376.58	313.16	290.98	22.18	14.122	
4,600.00	4,523.76	4,554.06	4,523.76	12.87	11.04	-146.53	278.35	376.58	334.67	312.18	22.49	14.879	
4,700.00	4,620.35	4,650.66	4,620.35	13.20	11.12	-148.80	278.35	376.58	356.76	333.95	22.81	15.643	
4,800.00	4,716.94	4,747.25	4,716.94	13.53	11.20	-150.81	278.35	376.58	379.33	356.21	23.12	16.407	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,843.84	4,813.53	13.86	11.28	-152.60	278.35	376.58	402.30	378.87	23.43	17.170	
5,000.00	4,910.12	4,940.43	4,910.12	14.19	11.36	-154.19	278.35	376.58	425.61	401.87	23.74	17.927	
5,100.00	5,006.72	5,037.02	5,006.72	14.53	11.44	-155.62	278.35	376.58	449.19	425.14	24.05	18.678	
5,200.00	5,103.31	5,133.61	5,103.31	14.86	11.52	-156.91	278.35	376.58	473.02	448.67	24.36	19.419	
5,300.00	5,199.90	5,230.20	5,199.90	15.20	11.60	-158.07	278.35	376.58	497.06	472.39	24.67	20.151	
5,400.00	5,296.49	5,326.79	5,296.49	15.53	11.68	-159.13	278.35	376.58	521.27	496.30	24.97	20.872	
5,500.00	5,393.08	5,423.38	5,393.08	15.87	11.76	-160.10	278.35	376.58	545.64	520.36	25.28	21.582	
5,600.00	5,489.67	5,519.97	5,489.67	16.21	11.84	-160.98	278.35	376.58	570.14	544.55	25.59	22.281	
5,700.00	5,586.26	5,616.57	5,586.26	16.55	11.92	-161.79	278.35	376.58	594.76	568.86	25.90	22.967	
5,800.00	5,682.85	5,713.16	5,682.85	16.89	12.00	-162.54	278.35	376.58	619.48	593.27	26.20	23.641	
5,900.00	5,779.44	5,809.75	5,779.44	17.23	12.08	-163.22	278.35	376.58	644.29	617.78	26.51	24.303	
5,915.24	5,794.17	5,824.47	5,794.17	17.27	12.09	-163.32	278.35	376.58	648.08	621.53	26.55	24.409	
6,000.00	5,876.27	5,906.58	5,876.27	17.54	12.16	-163.93	278.35	376.58	668.31	641.50	26.81	24.930	
6,100.00	5,973.71	6,004.02	5,973.71	17.85	12.24	-164.53	278.35	376.58	689.97	662.85	27.12	25.443	
6,200.00	6,071.71	6,102.01	6,071.71	18.12	12.32	-165.04	278.35	376.58	709.20	681.78	27.42	25.861	
6,300.00	6,170.19	6,200.50	6,170.19	18.37	12.41	-165.45	278.35	376.58	725.98	698.26	27.72	26.186	
6,400.00	6,269.10	6,299.40	6,269.10	18.59	12.49	-165.79	278.35	376.58	740.28	712.26	28.02	26.423	
6,500.00	6,368.35	6,398.66	6,368.35	18.78	12.57	-166.06	278.35	376.58	752.07	723.77	28.30	26.574	
6,600.00	6,467.89	6,498.20	6,467.89	18.94	12.65	-166.27	278.35	376.58	761.35	732.78	28.58	26.643	
6,700.00	6,567.65	6,597.95	6,567.65	19.07	12.74	-166.42	278.35	376.58	768.10	739.26	28.84	26.633	
6,800.00	6,667.55	6,697.85	6,667.55	19.18	12.82	-166.51	278.35	376.58	772.31	743.22	29.09	26.550	
6,900.00	6,767.53	6,797.84	6,767.53	19.26	12.90	-166.54	278.35	376.58	773.98	744.66	29.31	26.404	
6,915.47	6,783.00	6,813.30	6,783.00	19.26	12.91	-90.39	278.35	376.58	774.01	744.68	29.33	26.387	
7,000.00	6,867.53	6,897.84	6,867.53	19.30	12.98	-90.39	278.35	376.58	774.01	744.57	29.44	26.293	
7,100.00	6,967.53	6,997.84	6,967.53	19.35	13.07	-90.39	278.35	376.58	774.01	744.44	29.57	26.174	
7,200.00	7,067.53	7,097.84	7,067.53	19.40	13.15	-90.39	278.35	376.58	774.01	744.30	29.70	26.057	
7,300.00	7,167.53	7,197.84	7,167.53	19.45	13.23	-90.39	278.35	376.58	774.01	744.17	29.84	25.940	
7,400.00	7,267.53	7,297.84	7,267.53	19.50	13.32	-90.39	278.35	376.58	774.01	744.04	29.97	25.824	
7,500.00	7,367.53	7,397.84	7,367.53	19.55	13.40	-90.39	278.35	376.58	774.01	743.90	30.11	25.708	
7,600.00	7,467.53	7,497.84	7,467.53	19.60	13.48	-90.39	278.35	376.58	774.01	743.77	30.24	25.594	
7,700.00	7,567.53	7,597.84	7,567.53	19.65	13.57	-90.39	278.35	376.58	774.01	743.63	30.38	25.480	
7,800.00	7,667.53	7,697.84	7,667.53	19.71	13.65	-90.39	278.35	376.58	774.01	743.50	30.51	25.368	
7,900.00	7,767.53	7,797.84	7,767.53	19.76	13.73	-90.39	278.35	376.58	774.01	743.36	30.65	25.256	
8,000.00	7,867.53	7,897.84	7,867.53	19.81	13.81	-90.39	278.35	376.58	774.01	743.23	30.78	25.145	
8,100.00	7,967.53	7,997.84	7,967.53	19.86	13.90	-90.39	278.35	376.58	774.01	743.09	30.92	25.034	
8,200.00	8,067.53	8,097.84	8,067.53	19.92	13.98	-90.39	278.35	376.58	774.01	742.95	31.05	24.925	
8,300.00	8,167.53	8,197.84	8,167.53	19.97	14.06	-90.39	278.35	376.58	774.01	742.82	31.19	24.816	
8,400.00	8,267.53	8,297.84	8,267.53	20.02	14.15	-90.39	278.35	376.58	774.01	742.68	31.33	24.708	
8,500.00	8,367.53	8,397.84	8,367.53	20.08	14.23	-90.39	278.35	376.58	774.01	742.55	31.46	24.601	
8,600.00	8,467.53	8,497.84	8,467.53	20.13	14.31	-90.39	278.35	376.58	774.01	742.41	31.60	24.494	
8,700.00	8,567.53	8,597.84	8,567.53	20.18	14.40	-90.39	278.35	376.58	774.01	742.27	31.74	24.389	
8,800.00	8,667.53	8,697.84	8,667.53	20.24	14.48	-90.39	278.35	376.58	774.01	742.13	31.87	24.284	
8,900.00	8,767.53	8,797.84	8,767.53	20.29	14.56	-90.39	278.35	376.58	774.01	742.00	32.01	24.180	
9,000.00	8,867.53	8,897.84	8,867.53	20.35	14.64	-90.39	278.35	376.58	774.01	741.86	32.15	24.076	
9,100.00	8,967.53	8,997.84	8,967.53	20.40	14.73	-90.39	278.35	376.58	774.01	741.72	32.29	23.974	
9,200.00	9,067.53	9,097.84	9,067.53	20.45	14.81	-90.39	278.35	376.58	774.01	741.58	32.42	23.872	
9,300.00	9,167.53	9,197.84	9,167.53	20.51	14.89	-90.39	278.35	376.58	774.01	741.45	32.56	23.770	
9,400.00	9,267.53	9,297.84	9,267.53	20.56	14.98	-90.39	278.35	376.58	774.01	741.31	32.70	23.670	
9,500.00	9,367.53	9,397.84	9,367.53	20.62	15.06	-90.39	278.35	376.58	774.01	741.17	32.84	23.570	
9,600.00	9,467.53	9,497.84	9,467.53	20.68	15.14	-90.39	278.35	376.58	774.01	741.03	32.98	23.471	
9,700.00	9,567.53	9,597.84	9,567.53	20.73	15.23	-90.39	278.35	376.58	774.01	740.89	33.12	23.373	
9,800.00	9,667.53	9,697.84	9,667.53	20.79	15.31	-90.39	278.35	376.58	774.01	740.75	33.25	23.275	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,797.84	9,767.53	20.84	15.39	-90.39	278.35	376.58	774.01	740.61	33.39	23.178	
10,000.00	9,867.53	9,897.84	9,867.53	20.90	15.47	-90.39	278.35	376.58	774.01	740.47	33.53	23.082	
10,100.00	9,967.53	9,997.84	9,967.53	20.95	15.56	-90.39	278.35	376.58	774.01	740.34	33.67	22.986	
10,200.00	10,067.53	10,097.84	10,067.53	21.01	15.64	-90.39	278.35	376.58	774.01	740.20	33.81	22.891	
10,300.00	10,167.53	10,197.84	10,167.53	21.07	15.72	-90.39	278.35	376.58	774.01	740.06	33.95	22.797	
10,400.00	10,267.53	10,297.84	10,267.53	21.12	15.81	-90.39	278.35	376.58	774.01	739.92	34.09	22.703	
10,500.00	10,367.53	10,397.84	10,367.53	21.18	15.89	-90.39	278.35	376.58	774.01	739.78	34.23	22.610	
10,600.00	10,467.53	10,497.84	10,467.53	21.24	15.97	-90.39	278.35	376.58	774.01	739.63	34.37	22.518	
10,700.00	10,567.53	10,597.84	10,567.53	21.30	16.05	-90.39	278.35	376.58	774.01	739.49	34.51	22.426	
10,800.00	10,667.53	10,697.84	10,667.53	21.35	16.14	-90.39	278.35	376.58	774.01	739.35	34.65	22.335	
10,900.00	10,767.53	10,797.84	10,767.53	21.41	16.22	-90.39	278.35	376.58	774.01	739.21	34.80	22.245	
11,000.00	10,867.53	10,897.84	10,867.53	21.47	16.30	-90.39	278.35	376.58	774.01	739.07	34.94	22.155	
11,100.00	10,967.53	10,997.84	10,967.53	21.53	16.39	-90.39	278.35	376.58	774.01	738.93	35.08	22.066	
11,200.00	11,067.53	11,097.84	11,067.53	21.58	16.47	-90.39	278.35	376.58	774.01	738.78	35.22	21.974	
11,248.42	11,115.95	11,146.29	11,115.95	21.61	16.50	-90.49	276.96	376.59	774.01	738.75	35.26	21.951	
11,300.00	11,167.53	11,197.29	11,166.60	21.64	16.52	-90.92	271.14	376.64	774.03	738.77	35.26	21.950	
11,400.00	11,267.53	11,291.57	11,258.05	21.70	16.56	-92.59	248.66	376.84	774.58	739.34	35.24	21.982	
11,500.00	11,367.53	11,376.55	11,336.33	21.76	16.61	-95.01	215.79	377.12	777.05	741.82	35.22	22.061	
11,600.00	11,467.53	11,450.00	11,399.45	21.82	16.67	-97.76	178.32	377.44	783.23	747.93	35.30	22.189	
11,686.47	11,554.00	11,500.00	11,439.44	21.86	16.71	-99.93	148.33	377.70	792.94	757.43	35.52	22.327	
11,700.00	11,567.53	11,513.33	11,449.65	21.86	16.72	79.76	139.76	377.77	794.84	759.30	35.53	22.368	
11,750.00	11,617.40	11,542.55	11,471.30	21.90	16.74	77.72	120.15	377.94	802.45	766.76	35.69	22.482	
11,800.00	11,666.79	11,571.45	11,491.71	21.93	16.77	75.70	99.69	378.12	810.75	774.86	35.89	22.588	
11,850.00	11,715.32	11,600.00	11,510.83	21.95	16.80	73.74	78.50	378.30	819.53	783.40	36.13	22.683	
11,900.00	11,762.62	11,628.50	11,528.84	21.97	16.83	71.84	56.42	378.49	828.60	792.20	36.40	22.763	
11,950.00	11,808.34	11,650.00	11,541.70	21.99	16.85	70.24	39.18	378.64	837.83	801.09	36.73	22.809	
12,000.00	11,852.12	11,684.75	11,561.07	22.01	16.90	68.32	10.34	378.89	846.92	809.90	37.02	22.876	
12,050.00	11,893.63	11,712.65	11,575.34	22.03	16.93	66.73	-13.63	379.09	855.84	818.48	37.36	22.909	
12,100.00	11,932.55	11,750.00	11,592.58	22.05	16.99	65.03	-46.75	379.38	864.51	826.84	37.66	22.953	
12,150.00	11,968.60	11,768.10	11,600.15	22.09	17.02	63.92	-63.19	379.52	872.53	834.48	38.04	22.935	
12,200.00	12,001.49	11,800.00	11,612.22	22.13	17.07	62.64	-92.72	379.78	880.06	841.70	38.36	22.939	
12,250.00	12,030.97	11,823.17	11,619.94	22.19	17.11	61.66	-114.57	379.96	886.87	848.18	38.70	22.919	
12,300.00	12,056.82	11,850.00	11,627.77	22.26	17.17	60.75	-140.22	380.18	892.93	853.94	38.99	22.901	
12,350.00	12,078.85	11,877.99	11,634.65	22.35	17.23	59.97	-167.35	380.42	898.13	858.87	39.26	22.876	
12,400.00	12,096.88	11,900.00	11,639.12	22.47	17.28	59.38	-188.90	380.60	902.45	862.96	39.49	22.853	
12,450.00	12,110.78	11,932.64	11,644.23	22.60	17.36	58.86	-221.12	380.88	905.76	866.06	39.70	22.816	
12,500.00	12,120.45	11,950.00	11,646.19	22.75	17.41	58.56	-238.38	381.03	908.19	868.37	39.82	22.805	
12,550.00	12,125.80	11,987.18	11,648.64	22.93	17.51	58.34	-275.47	381.35	909.41	869.43	39.98	22.747	
12,581.47	12,126.94	12,006.89	11,648.99	23.05	17.58	58.30	-295.18	381.52	909.69	869.66	40.04	22.721	
12,600.00	12,127.10	12,025.42	11,649.15	23.12	17.64	58.30	-313.70	381.68	909.69	869.59	40.11	22.681	
12,700.00	12,127.97	12,125.42	11,650.02	23.56	18.02	58.30	-413.69	382.54	909.69	869.14	40.55	22.433	
12,800.00	12,128.84	12,225.42	11,650.90	24.06	18.48	58.30	-513.69	383.40	909.69	868.56	41.13	22.117	
12,900.00	12,129.71	12,325.42	11,651.78	24.61	19.03	58.30	-613.68	384.26	909.69	867.85	41.84	21.745	
13,000.00	12,130.58	12,425.42	11,652.65	25.21	19.66	58.30	-713.67	385.12	909.69	867.02	42.66	21.323	
13,100.00	12,131.46	12,525.42	11,653.53	25.87	20.37	58.31	-813.66	385.98	909.68	866.08	43.60	20.864	
13,200.00	12,132.33	12,625.42	11,654.41	26.56	21.15	58.31	-913.66	386.84	909.68	865.03	44.65	20.374	
13,300.00	12,133.20	12,725.42	11,655.28	27.30	21.99	58.31	-1,013.65	387.70	909.68	863.88	45.80	19.864	
13,400.00	12,134.07	12,825.42	11,656.16	28.08	22.89	58.31	-1,113.64	388.57	909.68	862.64	47.03	19.341	
13,500.00	12,134.94	12,925.42	11,657.04	28.90	23.83	58.31	-1,213.63	389.43	909.67	861.32	48.36	18.811	
13,600.00	12,135.81	13,025.42	11,657.91	29.75	24.81	58.31	-1,313.63	390.29	909.67	859.91	49.76	18.281	
13,700.00	12,136.69	13,125.42	11,658.79	30.63	25.84	58.31	-1,413.62	391.15	909.67	858.43	51.24	17.755	
13,800.00	12,137.56	13,225.42	11,659.66	31.55	26.89	58.31	-1,513.61	392.01	909.67	856.89	52.78	17.237	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,138.43	13,325.42	11,660.54	32.50	27.97	58.31	-1,613.60	392.87	909.66	855.29	54.38	16.729	
14,000.00	12,139.30	13,425.42	11,661.42	33.47	29.08	58.31	-1,713.60	393.73	909.66	853.63	56.03	16.235	
14,100.00	12,140.17	13,525.42	11,662.29	34.47	30.21	58.31	-1,813.59	394.59	909.66	851.92	57.74	15.755	
14,200.00	12,141.04	13,625.42	11,663.17	35.49	31.36	58.31	-1,913.58	395.45	909.66	850.17	59.49	15.291	
14,300.00	12,141.92	13,725.42	11,664.05	36.53	32.53	58.31	-2,013.57	396.31	909.66	848.37	61.28	14.843	
14,400.00	12,142.79	13,825.42	11,664.92	37.59	33.72	58.31	-2,113.57	397.18	909.65	846.54	63.12	14.412	
14,500.00	12,143.66	13,925.42	11,665.80	38.67	34.91	58.31	-2,213.56	398.04	909.65	844.67	64.98	13.998	
14,600.00	12,144.53	14,025.42	11,666.68	39.77	36.12	58.31	-2,313.55	398.90	909.65	842.76	66.88	13.600	
14,700.00	12,145.40	14,125.42	11,667.55	40.88	37.35	58.31	-2,413.54	399.76	909.65	840.83	68.82	13.219	
14,800.00	12,146.27	14,225.42	11,668.43	42.01	38.58	58.31	-2,513.54	400.62	909.64	838.87	70.77	12.853	
14,900.00	12,147.14	14,325.42	11,669.31	43.15	39.82	58.31	-2,613.53	401.48	909.64	836.89	72.75	12.503	
15,000.00	12,148.02	14,425.42	11,670.18	44.31	41.07	58.31	-2,713.52	402.34	909.64	834.88	74.76	12.167	
15,100.00	12,148.89	14,525.42	11,671.06	45.47	42.32	58.31	-2,813.51	403.20	909.64	832.85	76.79	11.846	
15,200.00	12,149.76	14,625.42	11,671.93	46.65	43.59	58.31	-2,913.50	404.06	909.64	830.80	78.83	11.539	
15,300.00	12,150.63	14,725.42	11,672.81	47.83	44.86	58.31	-3,013.50	404.92	909.63	828.73	80.90	11.244	
15,400.00	12,151.50	14,825.42	11,673.69	49.03	46.13	58.31	-3,113.49	405.78	909.63	826.65	82.98	10.962	
15,500.00	12,152.37	14,925.42	11,674.56	50.23	47.42	58.31	-3,213.48	406.65	909.63	824.55	85.08	10.692	
15,600.00	12,153.25	15,025.42	11,675.44	51.45	48.70	58.31	-3,313.47	407.51	909.63	822.44	87.19	10.433	
15,700.00	12,154.12	15,125.42	11,676.32	52.67	49.99	58.31	-3,413.47	408.37	909.62	820.31	89.31	10.185	
15,800.00	12,154.99	15,225.42	11,677.19	53.89	51.29	58.31	-3,513.46	409.23	909.62	818.17	91.45	9.947	
15,900.00	12,155.86	15,325.42	11,678.07	55.13	52.59	58.31	-3,613.45	410.09	909.62	816.02	93.60	9.718	
16,000.00	12,156.73	15,425.42	11,678.95	56.37	53.89	58.31	-3,713.44	410.95	909.62	813.86	95.76	9.499	
16,100.00	12,157.60	15,525.42	11,679.82	57.61	55.19	58.31	-3,813.44	411.81	909.62	811.69	97.93	9.288	
16,200.00	12,158.48	15,625.42	11,680.70	58.86	56.50	58.31	-3,913.43	412.67	909.61	809.50	100.11	9.086	
16,300.00	12,159.35	15,725.42	11,681.57	60.12	57.82	58.31	-4,013.42	413.53	909.61	807.31	102.30	8.892	
16,400.00	12,160.22	15,825.42	11,682.45	61.38	59.13	58.31	-4,113.41	414.39	909.61	805.11	104.50	8.705	
16,500.00	12,161.09	15,925.42	11,683.33	62.65	60.45	58.31	-4,213.41	415.26	909.61	802.91	106.70	8.525	
16,600.00	12,161.96	16,025.42	11,684.20	63.92	61.77	58.31	-4,313.40	416.12	909.60	800.69	108.91	8.352	
16,700.00	12,162.83	16,125.42	11,685.08	65.19	63.09	58.31	-4,413.39	416.98	909.60	798.47	111.13	8.185	
16,800.00	12,163.71	16,225.42	11,685.96	66.47	64.41	58.31	-4,513.38	417.84	909.60	796.24	113.36	8.024	
16,900.00	12,164.58	16,325.42	11,686.83	67.75	65.74	58.32	-4,613.38	418.70	909.60	794.01	115.59	7.869	
17,000.00	12,165.45	16,425.42	11,687.71	69.04	67.06	58.32	-4,713.37	419.56	909.60	791.77	117.82	7.720	
17,100.00	12,166.32	16,525.42	11,688.59	70.32	68.39	58.32	-4,813.36	420.42	909.59	789.53	120.07	7.576	
17,200.00	12,167.19	16,625.42	11,689.46	71.61	69.72	58.32	-4,913.35	421.28	909.59	787.28	122.32	7.436	
17,300.00	12,168.06	16,725.42	11,690.34	72.91	71.05	58.32	-5,013.35	422.14	909.59	785.02	124.57	7.302	
17,400.00	12,168.94	16,825.42	11,691.22	74.21	72.39	58.32	-5,113.34	423.00	909.59	782.76	126.83	7.172	
17,500.00	12,169.81	16,925.42	11,692.09	75.50	73.72	58.32	-5,213.33	423.87	909.58	780.50	129.09	7.046	
17,600.00	12,170.68	17,025.42	11,692.97	76.81	75.06	58.32	-5,313.32	424.73	909.58	778.23	131.35	6.925	
17,700.00	12,171.55	17,125.42	11,693.84	78.11	76.39	58.32	-5,413.32	425.59	909.58	775.96	133.62	6.807	
17,800.00	12,172.42	17,225.42	11,694.72	79.42	77.73	58.32	-5,513.31	426.45	909.58	773.68	135.90	6.693	
17,900.00	12,173.29	17,325.42	11,695.60	80.72	79.07	58.32	-5,613.30	427.31	909.57	771.40	138.17	6.583	
18,000.00	12,174.17	17,425.42	11,696.47	82.03	80.41	58.32	-5,713.29	428.17	909.57	769.12	140.45	6.476	
18,100.00	12,175.04	17,525.42	11,697.35	83.35	81.75	58.32	-5,813.29	429.03	909.57	766.83	142.74	6.372	
18,200.00	12,175.91	17,625.42	11,698.23	84.66	83.10	58.32	-5,913.28	429.89	909.57	764.54	145.03	6.272	
18,300.00	12,176.78	17,725.42	11,699.10	85.98	84.44	58.32	-6,013.27	430.75	909.57	762.25	147.32	6.174	
18,400.00	12,177.65	17,825.42	11,699.98	87.29	85.78	58.32	-6,113.26	431.61	909.56	759.96	149.61	6.080	
18,500.00	12,178.52	17,925.42	11,700.86	88.61	87.13	58.32	-6,213.26	432.47	909.56	757.66	151.90	5.988	
18,600.00	12,179.39	18,025.42	11,701.73	89.93	88.47	58.32	-6,313.25	433.34	909.56	755.36	154.20	5.899	
18,700.00	12,180.27	18,125.42	11,702.61	91.26	89.82	58.32	-6,413.24	434.20	909.56	753.06	156.50	5.812	
18,800.00	12,181.14	18,225.42	11,703.49	92.58	91.17	58.32	-6,513.23	435.06	909.55	750.75	158.80	5.728	
18,900.00	12,182.01	18,325.42	11,704.36	93.90	92.52	58.32	-6,613.23	435.92	909.55	748.44	161.11	5.646	
19,000.00	12,182.88	18,425.42	11,705.24	95.23	93.86	58.32	-6,713.22	436.78	909.55	746.13	163.42	5.566	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	12,183.75	18,525.42	11,706.11	96.56	95.21	58.32	-6,813.21	437.64	909.55	743.82	165.73	5.488	
19,200.00	12,184.62	18,625.42	11,706.99	97.89	96.56	58.32	-6,913.20	438.50	909.55	741.51	168.04	5.413	
19,300.00	12,185.50	18,725.42	11,707.87	99.22	97.91	58.32	-7,013.20	439.36	909.54	739.19	170.35	5.339	
19,400.00	12,186.37	18,825.42	11,708.74	100.55	99.26	58.32	-7,113.19	440.22	909.54	736.88	172.66	5.268	
19,500.00	12,187.24	18,925.42	11,709.62	101.88	100.61	58.32	-7,213.18	441.08	909.54	734.56	174.98	5.198	
19,600.00	12,188.11	19,025.42	11,710.50	103.21	101.97	58.32	-7,313.17	441.95	909.54	732.24	177.30	5.130	
19,700.00	12,188.98	19,125.42	11,711.37	104.54	103.32	58.32	-7,413.17	442.81	909.53	729.92	179.62	5.064	
19,800.00	12,189.85	19,225.42	11,712.25	105.88	104.67	58.32	-7,513.16	443.67	909.53	727.59	181.94	4.999	
19,900.00	12,190.73	19,325.42	11,713.13	107.21	106.02	58.32	-7,613.15	444.53	909.53	725.27	184.26	4.936	
20,000.00	12,191.60	19,425.42	11,714.00	108.55	107.38	58.32	-7,713.14	445.39	909.53	722.94	186.59	4.875	
20,100.00	12,192.47	19,525.42	11,714.88	109.89	108.73	58.32	-7,813.14	446.25	909.53	720.61	188.91	4.815	
20,200.00	12,193.34	19,625.42	11,715.75	111.23	110.09	58.32	-7,913.13	447.11	909.52	718.28	191.24	4.756	
20,300.00	12,194.21	19,725.42	11,716.63	112.56	111.44	58.32	-8,013.12	447.97	909.52	715.95	193.57	4.699	
20,400.00	12,195.08	19,825.42	11,717.51	113.90	112.80	58.32	-8,113.11	448.83	909.52	713.62	195.90	4.643	
20,500.00	12,195.96	19,925.42	11,718.38	115.24	114.15	58.32	-8,213.11	449.69	909.52	711.29	198.23	4.588	
20,600.00	12,196.83	20,025.42	11,719.26	116.58	115.51	58.33	-8,313.10	450.56	909.51	708.95	200.56	4.535	
20,700.00	12,197.70	20,125.42	11,720.14	117.93	116.86	58.33	-8,413.09	451.42	909.51	706.62	202.89	4.483	
20,800.00	12,198.57	20,225.42	11,721.01	119.27	118.22	58.33	-8,513.08	452.28	909.51	704.28	205.23	4.432	
20,900.00	12,199.44	20,325.42	11,721.89	120.61	119.58	58.33	-8,613.07	453.14	909.51	701.95	207.56	4.382	
21,000.00	12,200.31	20,425.42	11,722.77	121.95	120.93	58.33	-8,713.07	454.00	909.51	699.61	209.90	4.333	
21,100.00	12,201.19	20,525.42	11,723.64	123.30	122.29	58.33	-8,813.06	454.86	909.50	697.27	212.24	4.285	
21,200.00	12,202.06	20,625.42	11,724.52	124.64	123.65	58.33	-8,913.05	455.72	909.50	694.93	214.57	4.239	
21,300.00	12,202.93	20,725.42	11,725.40	125.99	125.01	58.33	-9,013.04	456.58	909.50	692.59	216.91	4.193	
21,400.00	12,203.80	20,825.42	11,726.27	127.33	126.36	58.33	-9,113.04	457.44	909.50	690.24	219.25	4.148	
21,500.00	12,204.67	20,925.42	11,727.15	128.68	127.72	58.33	-9,213.03	458.30	909.49	687.90	221.59	4.104	
21,600.00	12,205.54	21,025.42	11,728.02	130.03	129.08	58.33	-9,313.02	459.16	909.49	685.56	223.93	4.061	
21,700.00	12,206.41	21,125.42	11,728.90	131.37	130.44	58.33	-9,413.01	460.03	909.49	683.21	226.28	4.019	
21,800.00	12,207.29	21,225.42	11,729.78	132.72	131.80	58.33	-9,513.01	460.89	909.49	680.87	228.62	3.978	
21,900.00	12,208.16	21,325.42	11,730.65	134.07	133.16	58.33	-9,613.00	461.75	909.49	678.52	230.96	3.938	
22,000.00	12,209.03	21,425.42	11,731.53	135.42	134.52	58.33	-9,712.99	462.61	909.48	676.17	233.31	3.898	
22,100.00	12,209.90	21,525.42	11,732.41	136.77	135.88	58.33	-9,812.98	463.47	909.48	673.83	235.65	3.859	
22,200.00	12,210.77	21,625.42	11,733.28	138.12	137.24	58.33	-9,912.98	464.33	909.48	671.48	238.00	3.821	
22,300.00	12,211.64	21,725.42	11,734.16	139.47	138.60	58.33	-10,012.97	465.19	909.48	669.13	240.35	3.784	
22,400.00	12,212.52	21,825.42	11,735.04	140.82	139.96	58.33	-10,112.96	466.05	909.47	666.78	242.69	3.747	
22,500.00	12,213.39	21,925.42	11,735.91	142.17	141.32	58.33	-10,212.95	466.91	909.47	664.43	245.04	3.712	
22,510.07	12,213.48	21,935.47	11,736.00	142.30	141.45	58.33	-10,223.00	467.00	909.47	664.19	245.28	3.708	SF
22,512.90	12,213.50	21,935.47	11,736.00	142.34	141.45	58.33	-10,223.00	467.00	909.48	664.21	245.27	3.708	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
600.00	599.69	753.09	752.21	3.12	3.36	-6.28	833.34	2,283.50	2,423.72	2,417.36	6.36	381.353	
633.33	632.91	786.03	785.03	3.15	3.43	-6.25	830.74	2,282.29	2,418.93	2,412.46	6.47	373.918	
700.00	699.32	851.88	850.62	3.25	3.59	-6.16	825.53	2,279.88	2,409.07	2,402.34	6.73	357.925	
800.00	798.94	950.64	949.01	3.50	3.82	-6.04	817.72	2,276.26	2,394.30	2,387.09	7.21	332.282	
900.00	898.56	1,049.41	1,047.40	3.74	4.04	-5.91	809.91	2,272.64	2,379.53	2,371.87	7.67	310.424	
1,000.00	998.18	1,148.17	1,145.79	3.97	4.26	-5.78	802.10	2,269.02	2,364.78	2,356.66	8.11	291.482	
1,100.00	1,097.80	1,246.94	1,244.18	4.20	4.43	-5.65	794.29	2,265.40	2,350.04	2,341.53	8.51	276.274	
1,200.00	1,197.42	1,414.87	1,411.13	4.42	4.80	-5.37	777.91	2,257.80	2,333.93	2,324.88	9.05	257.890	
1,300.00	1,297.04	1,584.37	1,578.66	4.64	5.24	-4.93	754.64	2,247.01	2,314.79	2,305.14	9.66	239.743	
1,400.00	1,396.66	1,737.49	1,728.91	4.86	5.58	-4.41	727.89	2,234.61	2,292.80	2,282.61	10.19	224.959	
1,500.00	1,496.28	1,833.80	1,823.11	5.07	5.77	-4.05	709.73	2,226.19	2,269.94	2,259.33	10.61	213.972	
1,600.00	1,595.90	1,930.12	1,917.32	5.28	5.97	-3.68	691.56	2,217.77	2,247.17	2,236.12	11.05	203.421	
1,700.00	1,695.52	2,026.43	2,011.53	5.48	6.18	-3.31	673.40	2,209.35	2,224.49	2,213.00	11.49	193.681	
1,800.00	1,795.14	2,122.74	2,105.74	5.69	6.38	-2.92	655.24	2,200.93	2,201.91	2,189.98	11.92	184.663	
1,900.00	1,894.76	2,219.05	2,199.94	5.89	6.59	-2.53	637.08	2,192.51	2,179.42	2,167.06	12.36	176.288	
2,000.00	1,994.38	2,315.36	2,294.15	6.09	6.80	-2.13	618.92	2,184.08	2,157.03	2,144.23	12.80	168.509	
2,100.00	2,094.00	2,411.67	2,388.36	6.29	7.03	-1.72	600.76	2,175.66	2,134.75	2,121.51	13.24	161.194	
2,200.00	2,193.62	2,507.98	2,482.56	6.50	7.30	-1.30	582.60	2,167.24	2,112.58	2,098.89	13.69	154.276	
2,206.41	2,200.00	2,514.15	2,488.60	6.52	7.31	-1.28	581.43	2,166.70	2,111.16	2,097.44	13.72	153.846	
2,300.00	2,293.13	2,604.03	2,576.52	6.72	7.56	-0.89	564.48	2,158.84	2,089.40	2,075.25	14.15	147.655	
2,400.00	2,392.34	2,699.47	2,669.87	6.95	7.83	-0.46	546.49	2,150.50	2,063.81	2,049.18	14.63	141.110	
2,500.00	2,491.20	2,794.21	2,762.54	7.18	8.10	-0.02	528.62	2,142.22	2,035.80	2,020.70	15.10	134.820	
2,600.00	2,589.63	2,888.20	2,854.48	7.41	8.36	0.44	510.90	2,134.00	2,005.41	1,989.84	15.57	128.766	
2,700.00	2,687.57	2,981.37	2,945.62	7.65	8.63	0.92	493.33	2,125.85	1,972.66	1,956.61	16.05	122.931	
2,800.00	2,784.94	3,073.66	3,035.89	7.88	8.89	1.42	475.93	2,117.78	1,937.57	1,921.06	16.52	117.298	
2,873.30	2,855.92	3,140.71	3,101.47	8.02	9.08	1.80	463.28	2,111.92	1,910.39	1,893.55	16.83	113.478	
2,900.00	2,881.71	3,165.03	3,125.27	8.06	9.15	1.94	458.70	2,109.80	1,900.26	1,883.32	16.94	112.179	
3,000.00	2,978.30	3,256.15	3,214.40	8.28	9.41	2.47	441.51	2,101.83	1,862.44	1,845.05	17.39	107.127	
3,100.00	3,074.89	3,347.27	3,303.52	8.49	9.67	3.02	424.33	2,093.86	1,824.76	1,806.93	17.83	102.320	
3,200.00	3,171.49	3,438.38	3,392.65	8.71	9.93	3.59	407.15	2,085.90	1,787.24	1,768.96	18.29	97.741	
3,300.00	3,268.08	3,529.50	3,481.77	8.93	10.19	4.19	389.97	2,077.93	1,749.89	1,731.15	18.74	93.376	
3,400.00	3,364.67	3,620.61	3,570.90	9.16	10.45	4.81	372.79	2,069.96	1,712.71	1,693.52	19.19	89.248	
3,500.00	3,461.26	3,700.00	3,648.60	9.42	10.64	5.37	358.02	2,063.11	1,675.88	1,656.28	19.60	85.512	
3,600.00	3,557.85	3,775.16	3,722.42	9.70	10.85	5.88	345.23	2,057.18	1,640.14	1,620.12	20.03	81.897	
3,700.00	3,654.44	3,850.14	3,796.33	10.00	11.03	6.35	333.78	2,051.88	1,605.56	1,585.12	20.45	78.524	
3,800.00	3,751.03	3,926.12	3,871.47	10.30	11.21	6.80	323.53	2,047.12	1,572.13	1,551.27	20.86	75.370	
3,900.00	3,847.62	4,000.00	3,944.72	10.61	11.37	7.21	314.86	2,043.11	1,539.83	1,518.57	21.26	72.435	
4,000.00	3,944.21	4,080.95	4,025.19	10.93	11.53	7.61	306.84	2,039.39	1,508.63	1,486.98	21.65	69.682	
4,100.00	4,040.80	4,159.69	4,103.62	11.25	11.66	7.96	300.53	2,036.46	1,478.54	1,456.51	22.03	67.124	
4,200.00	4,137.40	4,239.25	4,183.00	11.57	11.78	8.27	295.64	2,034.19	1,449.54	1,427.14	22.39	64.736	
4,300.00	4,233.99	4,319.57	4,263.23	11.89	11.89	8.53	292.23	2,032.61	1,421.60	1,398.86	22.74	62.509	
4,400.00	4,330.58	4,400.00	4,343.63	12.21	11.98	8.74	290.34	2,031.74	1,394.73	1,371.65	23.08	60.434	
4,500.00	4,427.17	4,486.54	4,430.17	12.54	12.00	8.90	289.94	2,031.55	1,368.87	1,345.53	23.33	58.669	
4,600.00	4,523.76	4,583.14	4,526.76	12.87	12.04	9.07	289.94	2,031.55	1,343.28	1,319.69	23.59	56.949	
4,700.00	4,620.35	4,679.73	4,623.35	13.20	12.07	9.25	289.94	2,031.55	1,317.70	1,293.85	23.85	55.251	
4,800.00	4,716.94	4,776.32	4,719.94	13.53	12.11	9.43	289.94	2,031.55	1,292.13	1,268.02	24.11	53.587	
4,900.00	4,813.53	4,872.91	4,816.53	13.86	12.15	9.62	289.94	2,031.55	1,266.58	1,242.20	24.38	51.958	
5,000.00	4,910.12	4,969.50	4,913.12	14.19	12.19	9.82	289.94	2,031.55	1,241.04	1,216.39	24.64	50.362	
5,100.00	5,006.72	5,066.09	5,009.72	14.53	12.23	10.03	289.94	2,031.55	1,215.51	1,190.60	24.91	48.798	
5,200.00	5,103.31	5,162.68	5,106.31	14.86	12.27	10.25	289.94	2,031.55	1,190.00	1,164.82	25.18	47.266	
5,300.00	5,199.90	5,259.27	5,202.90	15.20	12.31	10.47	289.94	2,031.55	1,164.51	1,139.06	25.45	45.765	
5,400.00	5,296.49	5,355.86	5,299.49	15.53	12.35	10.71	289.94	2,031.55	1,139.03	1,113.32	25.72	44.294	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,500.00	5,393.08	5,452.46	5,396.08	15.87	12.39	10.96	289.94	2,031.55	1,113.58	1,087.59	25.99	42.852	
5,600.00	5,489.67	5,549.05	5,492.67	16.21	12.43	11.22	289.94	2,031.55	1,088.14	1,061.88	26.26	41.439	
5,700.00	5,586.26	5,645.64	5,589.26	16.55	12.47	11.49	289.94	2,031.55	1,062.73	1,036.19	26.53	40.053	
5,800.00	5,682.85	5,742.23	5,685.85	16.89	12.51	11.77	289.94	2,031.55	1,037.33	1,010.53	26.81	38.695	
5,900.00	5,779.44	5,838.82	5,782.44	17.23	12.55	12.07	289.94	2,031.55	1,011.97	984.88	27.08	37.363	
5,915.24	5,794.17	5,853.54	5,797.17	17.27	12.56	12.12	289.94	2,031.55	1,008.10	980.98	27.12	37.171	
6,000.00	5,876.27	5,935.65	5,879.27	17.54	12.60	12.31	289.94	2,031.55	987.52	960.17	27.35	36.104	
6,100.00	5,973.71	6,033.09	5,976.71	17.85	12.64	12.52	289.94	2,031.55	965.56	937.92	27.63	34.940	
6,200.00	6,071.71	6,131.08	6,074.71	18.12	12.68	12.71	289.94	2,031.55	946.11	918.20	27.91	33.897	
6,300.00	6,170.19	6,229.57	6,173.19	18.37	12.73	12.89	289.94	2,031.55	929.20	901.02	28.18	32.971	
6,400.00	6,269.10	6,328.47	6,272.10	18.59	12.77	13.05	289.94	2,031.55	914.82	886.37	28.44	32.161	
6,500.00	6,368.35	6,427.73	6,371.35	18.78	12.82	13.18	289.94	2,031.55	902.97	874.27	28.70	31.464	
6,600.00	6,467.89	6,527.27	6,470.89	18.94	12.87	13.29	289.94	2,031.55	893.67	864.73	28.94	30.878	
6,700.00	6,567.65	6,627.02	6,570.65	19.07	12.91	13.37	289.94	2,031.55	886.91	857.74	29.17	30.402	
6,800.00	6,667.55	6,726.93	6,670.55	19.18	12.96	13.42	289.94	2,031.55	882.70	853.31	29.39	30.036	
6,900.00	6,767.53	6,826.91	6,770.53	19.26	13.01	13.44	289.94	2,031.55	881.03	851.46	29.58	29.788	
6,915.47	6,783.00	6,842.38	6,786.00	19.26	13.01	89.59	289.94	2,031.55	881.00	851.41	29.59	29.773	
7,000.00	6,867.53	6,926.91	6,870.53	19.30	13.05	89.59	289.94	2,031.55	881.00	851.34	29.67	29.698	
7,100.00	6,967.53	7,026.91	6,970.53	19.35	13.10	89.59	289.94	2,031.55	881.00	851.24	29.76	29.599	
7,200.00	7,067.53	7,126.91	7,070.53	19.40	13.15	89.59	289.94	2,031.55	881.00	851.14	29.86	29.501	
7,300.00	7,167.53	7,226.91	7,170.53	19.45	13.20	89.59	289.94	2,031.55	881.00	851.04	29.96	29.403	
7,400.00	7,267.53	7,326.91	7,270.53	19.50	13.25	89.59	289.94	2,031.55	881.00	850.94	30.06	29.305	
7,500.00	7,367.53	7,426.91	7,370.53	19.55	13.30	89.59	289.94	2,031.55	881.00	850.84	30.16	29.207	
7,600.00	7,467.53	7,526.91	7,470.53	19.60	13.35	89.59	289.94	2,031.55	881.00	850.74	30.26	29.110	
7,700.00	7,567.53	7,626.91	7,570.53	19.65	13.40	89.59	289.94	2,031.55	881.00	850.64	30.37	29.012	
7,800.00	7,667.53	7,726.91	7,670.53	19.71	13.45	89.59	289.94	2,031.55	881.00	850.53	30.47	28.915	
7,900.00	7,767.53	7,826.91	7,770.53	19.76	13.50	89.59	289.94	2,031.55	881.00	850.43	30.57	28.817	
8,000.00	7,867.53	7,926.91	7,870.53	19.81	13.55	89.59	289.94	2,031.55	881.00	850.33	30.68	28.720	
8,100.00	7,967.53	8,026.91	7,970.53	19.86	13.60	89.59	289.94	2,031.55	881.00	850.22	30.78	28.623	
8,200.00	8,067.53	8,126.91	8,070.53	19.92	13.65	89.59	289.94	2,031.55	881.00	850.12	30.88	28.526	
8,300.00	8,167.53	8,226.91	8,170.53	19.97	13.70	89.59	289.94	2,031.55	881.00	850.01	30.99	28.430	
8,400.00	8,267.53	8,326.91	8,270.53	20.02	13.76	89.59	289.94	2,031.55	881.00	849.91	31.09	28.333	
8,500.00	8,367.53	8,426.91	8,370.53	20.08	13.81	89.59	289.94	2,031.55	881.00	849.80	31.20	28.237	
8,600.00	8,467.53	8,526.91	8,470.53	20.13	13.86	89.59	289.94	2,031.55	881.00	849.70	31.31	28.141	
8,700.00	8,567.53	8,626.91	8,570.53	20.18	13.91	89.59	289.94	2,031.55	881.00	849.59	31.41	28.045	
8,800.00	8,667.53	8,726.91	8,670.53	20.24	13.97	89.59	289.94	2,031.55	881.00	849.48	31.52	27.949	
8,900.00	8,767.53	8,826.91	8,770.53	20.29	14.02	89.59	289.94	2,031.55	881.00	849.37	31.63	27.854	
9,000.00	8,867.53	8,926.91	8,870.53	20.35	14.08	89.59	289.94	2,031.55	881.00	849.26	31.74	27.759	
9,100.00	8,967.53	9,026.91	8,970.53	20.40	14.13	89.59	289.94	2,031.55	881.00	849.16	31.85	27.664	
9,200.00	9,067.53	9,126.91	9,070.53	20.45	14.18	89.59	289.94	2,031.55	881.00	849.05	31.96	27.569	
9,300.00	9,167.53	9,226.91	9,170.53	20.51	14.24	89.59	289.94	2,031.55	881.00	848.94	32.07	27.475	
9,400.00	9,267.53	9,326.91	9,270.53	20.56	14.29	89.59	289.94	2,031.55	881.00	848.83	32.18	27.380	
9,500.00	9,367.53	9,426.91	9,370.53	20.62	14.35	89.59	289.94	2,031.55	881.00	848.72	32.29	27.286	
9,600.00	9,467.53	9,526.91	9,470.53	20.68	14.41	89.59	289.94	2,031.55	881.00	848.60	32.40	27.193	
9,700.00	9,567.53	9,626.91	9,570.53	20.73	14.46	89.59	289.94	2,031.55	881.00	848.49	32.51	27.099	
9,800.00	9,667.53	9,726.91	9,670.53	20.79	14.52	89.59	289.94	2,031.55	881.00	848.38	32.62	27.006	
9,900.00	9,767.53	9,826.91	9,770.53	20.84	14.57	89.59	289.94	2,031.55	881.00	848.27	32.73	26.913	
10,000.00	9,867.53	9,926.91	9,870.53	20.90	14.63	89.59	289.94	2,031.55	881.00	848.15	32.85	26.821	
10,100.00	9,967.53	10,026.91	9,970.53	20.95	14.69	89.59	289.94	2,031.55	881.00	848.04	32.96	26.728	
10,200.00	10,067.53	10,126.91	10,070.53	21.01	14.75	89.59	289.94	2,031.55	881.00	847.93	33.08	26.636	
10,300.00	10,167.53	10,226.91	10,170.53	21.07	14.80	89.59	289.94	2,031.55	881.00	847.81	33.19	26.545	
10,400.00	10,267.53	10,326.91	10,270.53	21.12	14.86	89.59	289.94	2,031.55	881.00	847.70	33.30	26.453	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,500.00	10,367.53	10,426.91	10,370.53	21.18	14.92	89.59	289.94	2,031.55	881.00	847.58	33.42	26.362	
10,600.00	10,467.53	10,526.91	10,470.53	21.24	14.98	89.59	289.94	2,031.55	881.00	847.47	33.53	26.271	
10,700.00	10,567.53	10,626.91	10,570.53	21.30	15.04	89.59	289.94	2,031.55	881.00	847.35	33.65	26.181	
10,800.00	10,667.53	10,726.91	10,670.53	21.35	15.09	89.59	289.94	2,031.55	881.00	847.24	33.77	26.091	
10,900.00	10,767.53	10,826.91	10,770.53	21.41	15.15	89.59	289.94	2,031.55	881.00	847.12	33.88	26.001	
11,000.00	10,867.53	10,926.91	10,870.53	21.47	15.21	89.59	289.94	2,031.55	881.00	847.00	34.00	25.911	
11,100.00	10,967.53	11,026.91	10,970.53	21.53	15.27	89.59	289.94	2,031.55	881.00	846.89	34.12	25.824	
11,101.86	10,969.39	11,028.77	10,972.39	21.53	15.27	89.59	289.94	2,031.55	881.00	846.88	34.12	25.822	CC
11,200.00	11,067.53	11,126.73	11,070.32	21.58	15.33	89.68	288.59	2,031.56	881.01	846.78	34.22	25.744	
11,300.00	11,167.53	11,223.86	11,166.19	21.64	15.50	90.64	273.76	2,031.70	881.19	846.79	34.41	25.612	
11,400.00	11,267.53	11,313.66	11,251.44	21.70	15.72	92.45	245.84	2,031.95	882.40	847.69	34.71	25.423	
11,500.00	11,367.53	11,393.15	11,322.46	21.76	15.98	94.76	210.27	2,032.27	886.05	850.93	35.13	25.225	
11,600.00	11,467.53	11,461.49	11,379.09	21.82	16.25	97.21	172.08	2,032.62	893.77	858.10	35.66	25.060	
11,686.47	11,554.00	11,512.07	11,417.86	21.86	16.48	99.27	139.62	2,032.92	904.78	868.56	36.23	24.976	
11,700.00	11,567.53	11,519.40	11,423.24	21.86	16.52	-79.72	134.64	2,032.96	906.89	870.58	36.32	24.972	
11,750.00	11,617.40	11,550.00	11,444.97	21.90	16.68	-77.65	113.11	2,033.16	915.19	878.52	36.67	24.959	
11,800.00	11,666.79	11,573.24	11,460.69	21.93	16.82	-75.88	95.99	2,033.31	924.07	887.05	37.02	24.961	
11,850.00	11,715.32	11,600.00	11,477.92	21.95	16.98	-74.01	75.52	2,033.50	933.38	895.99	37.39	24.963	
11,900.00	11,762.62	11,626.57	11,494.06	21.97	17.15	-72.21	54.42	2,033.69	942.92	905.15	37.78	24.961	
11,950.00	11,808.34	11,650.00	11,507.47	21.99	17.31	-70.56	35.21	2,033.87	952.53	914.38	38.15	24.965	
12,000.00	11,852.12	11,679.53	11,523.22	22.01	17.53	-68.83	10.24	2,034.09	962.02	923.46	38.56	24.947	
12,050.00	11,893.63	11,700.00	11,533.39	22.03	17.68	-67.44	-7.53	2,034.25	971.30	932.35	38.95	24.938	
12,100.00	11,932.55	11,732.21	11,548.07	22.05	17.94	-65.88	-36.19	2,034.51	980.12	940.75	39.37	24.893	
12,150.00	11,968.60	11,750.00	11,555.49	22.09	18.08	-64.74	-52.36	2,034.66	988.53	948.76	39.76	24.860	
12,200.00	12,001.49	11,784.68	11,568.48	22.13	18.38	-63.42	-84.51	2,034.95	996.18	955.97	40.20	24.778	
12,250.00	12,030.97	11,800.00	11,573.59	22.19	18.52	-62.54	-98.95	2,035.08	1,003.28	962.69	40.60	24.713	
12,300.00	12,056.82	11,837.01	11,584.34	22.26	18.86	-61.51	-134.36	2,035.41	1,009.36	968.31	41.05	24.586	
12,350.00	12,078.85	11,863.14	11,590.54	22.35	19.10	-60.76	-159.73	2,035.64	1,014.67	973.18	41.48	24.460	
12,400.00	12,096.88	11,900.00	11,597.31	22.47	19.46	-60.07	-195.96	2,035.97	1,019.14	977.19	41.95	24.293	
12,450.00	12,110.78	11,915.33	11,599.43	22.60	19.61	-59.69	-211.14	2,036.10	1,022.40	980.06	42.35	24.142	
12,500.00	12,120.45	11,950.00	11,602.74	22.75	19.96	-59.35	-245.65	2,036.42	1,024.82	982.00	42.82	23.936	
12,550.00	12,125.80	11,967.48	11,603.61	22.93	20.13	-59.20	-263.11	2,036.58	1,026.04	982.83	43.21	23.746	
12,581.47	12,126.94	11,984.37	11,603.95	23.05	20.31	-59.17	-279.99	2,036.73	1,026.31	982.84	43.47	23.609	
12,600.00	12,127.10	12,001.98	11,604.04	23.12	20.49	-59.17	-297.60	2,036.89	1,026.35	982.69	43.66	23.510	
12,700.00	12,127.97	12,101.98	11,604.57	23.56	21.55	-59.15	-397.59	2,037.80	1,026.57	981.81	44.76	22.935	
12,800.00	12,128.84	12,201.98	11,605.09	24.06	22.65	-59.14	-497.59	2,038.71	1,026.79	980.83	45.96	22.342	
12,900.00	12,129.71	12,301.98	11,605.62	24.61	23.77	-59.12	-597.58	2,039.62	1,027.01	979.76	47.24	21.738	
13,000.00	12,130.58	12,401.98	11,606.14	25.21	24.92	-59.11	-697.58	2,040.53	1,027.23	978.61	48.61	21.131	
13,100.00	12,131.46	12,501.98	11,606.67	25.87	26.09	-59.09	-797.57	2,041.44	1,027.44	977.39	50.06	20.526	
13,200.00	12,132.33	12,601.98	11,607.19	26.56	27.28	-59.07	-897.56	2,042.34	1,027.66	976.10	51.57	19.929	
13,300.00	12,133.20	12,701.98	11,607.72	27.30	28.48	-59.06	-997.56	2,043.25	1,027.88	974.74	53.14	19.342	
13,400.00	12,134.07	12,801.98	11,608.24	28.08	29.70	-59.04	-1,097.55	2,044.16	1,028.10	973.33	54.78	18.769	
13,500.00	12,134.94	12,901.98	11,608.77	28.90	30.93	-59.03	-1,197.55	2,045.07	1,028.32	971.86	56.46	18.213	
13,600.00	12,135.81	13,001.98	11,609.29	29.75	32.17	-59.01	-1,297.54	2,045.98	1,028.54	970.34	58.20	17.673	
13,700.00	12,136.69	13,101.98	11,609.82	30.63	33.42	-59.00	-1,397.53	2,046.89	1,028.76	968.78	59.98	17.153	
13,800.00	12,137.56	13,201.98	11,610.34	31.55	34.69	-58.98	-1,497.53	2,047.80	1,028.98	967.18	61.80	16.651	
13,900.00	12,138.43	13,301.97	11,610.87	32.50	35.95	-58.97	-1,597.52	2,048.71	1,029.20	965.54	63.65	16.169	
14,000.00	12,139.30	13,401.97	11,611.39	33.47	37.23	-58.95	-1,697.51	2,049.62	1,029.42	963.87	65.55	15.705	
14,100.00	12,140.17	13,501.97	11,611.92	34.47	38.51	-58.94	-1,797.51	2,050.52	1,029.64	962.17	67.47	15.261	
14,200.00	12,141.04	13,601.97	11,612.44	35.49	39.80	-58.92	-1,897.50	2,051.43	1,029.86	960.44	69.42	14.836	
14,300.00	12,141.92	13,701.97	11,612.97	36.53	41.09	-58.91	-1,997.50	2,052.34	1,030.08	958.68	71.40	14.428	
14,400.00	12,142.79	13,801.97	11,613.49	37.59	42.39	-58.89	-2,097.49	2,053.25	1,030.30	956.90	73.40	14.037	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.00	12,143.66	13,901.97	11,614.02	38.67	43.69	-58.88	-2,197.48	2,054.16	1,030.52	955.10	75.42	13.664	
14,600.00	12,144.53	14,001.97	11,614.54	39.77	45.00	-58.86	-2,297.48	2,055.07	1,030.74	953.27	77.46	13.306	
14,700.00	12,145.40	14,101.97	11,615.07	40.88	46.31	-58.85	-2,397.47	2,055.98	1,030.96	951.43	79.52	12.964	
14,800.00	12,146.27	14,201.97	11,615.59	42.01	47.62	-58.83	-2,497.47	2,056.89	1,031.18	949.57	81.60	12.636	
14,900.00	12,147.14	14,301.97	11,616.12	43.15	48.94	-58.82	-2,597.46	2,057.80	1,031.40	947.70	83.70	12.323	
15,000.00	12,148.02	14,401.97	11,616.64	44.31	50.25	-58.80	-2,697.45	2,058.70	1,031.62	945.81	85.81	12.022	
15,100.00	12,148.89	14,501.97	11,617.17	45.47	51.58	-58.79	-2,797.45	2,059.61	1,031.84	943.91	87.93	11.735	
15,200.00	12,149.76	14,601.97	11,617.70	46.65	52.90	-58.77	-2,897.44	2,060.52	1,032.06	941.99	90.07	11.459	
15,300.00	12,150.63	14,701.97	11,618.22	47.83	54.22	-58.76	-2,997.43	2,061.43	1,032.28	940.06	92.21	11.195	
15,400.00	12,151.50	14,801.97	11,618.75	49.03	55.55	-58.74	-3,097.43	2,062.34	1,032.50	938.13	94.37	10.941	
15,500.00	12,152.37	14,901.96	11,619.27	50.23	56.88	-58.73	-3,197.42	2,063.25	1,032.72	936.18	96.54	10.698	
15,600.00	12,153.25	15,001.96	11,619.80	51.45	58.21	-58.71	-3,297.42	2,064.16	1,032.94	934.22	98.71	10.464	
15,700.00	12,154.12	15,101.96	11,620.32	52.67	59.55	-58.70	-3,397.41	2,065.07	1,033.16	932.26	100.90	10.239	
15,800.00	12,154.99	15,201.96	11,620.85	53.89	60.88	-58.68	-3,497.40	2,065.98	1,033.38	930.29	103.09	10.024	
15,900.00	12,155.86	15,301.96	11,621.37	55.13	62.22	-58.67	-3,597.40	2,066.88	1,033.60	928.31	105.29	9.816	
16,000.00	12,156.73	15,401.96	11,621.90	56.37	63.56	-58.65	-3,697.39	2,067.79	1,033.82	926.32	107.50	9.617	
16,100.00	12,157.60	15,501.96	11,622.42	57.61	64.90	-58.64	-3,797.39	2,068.70	1,034.04	924.33	109.72	9.425	
16,200.00	12,158.48	15,601.96	11,622.95	58.86	66.24	-58.62	-3,897.38	2,069.61	1,034.26	922.33	111.94	9.240	
16,300.00	12,159.35	15,701.96	11,623.47	60.12	67.58	-58.61	-3,997.37	2,070.52	1,034.48	920.32	114.16	9.061	
16,400.00	12,160.22	15,801.96	11,624.00	61.38	68.92	-58.59	-4,097.37	2,071.43	1,034.71	918.31	116.39	8.890	
16,500.00	12,161.09	15,901.96	11,624.52	62.65	70.27	-58.58	-4,197.36	2,072.34	1,034.93	916.30	118.63	8.724	
16,600.00	12,161.96	16,001.96	11,625.05	63.92	71.61	-58.56	-4,297.36	2,073.25	1,035.15	914.28	120.87	8.564	
16,700.00	12,162.83	16,101.96	11,625.57	65.19	72.96	-58.55	-4,397.35	2,074.16	1,035.37	912.25	123.12	8.410	
16,800.00	12,163.71	16,201.96	11,626.10	66.47	74.30	-58.53	-4,497.34	2,075.06	1,035.59	910.23	125.37	8.261	
16,900.00	12,164.58	16,301.96	11,626.62	67.75	75.65	-58.52	-4,597.34	2,075.97	1,035.81	908.19	127.62	8.116	
17,000.00	12,165.45	16,401.96	11,627.15	69.04	77.00	-58.50	-4,697.33	2,076.88	1,036.03	906.16	129.88	7.977	
17,100.00	12,166.32	16,501.95	11,627.67	70.32	78.35	-58.49	-4,797.32	2,077.79	1,036.26	904.12	132.13	7.842	
17,200.00	12,167.19	16,601.95	11,628.20	71.61	79.70	-58.47	-4,897.32	2,078.70	1,036.48	902.08	134.40	7.712	
17,300.00	12,168.06	16,701.95	11,628.72	72.91	81.05	-58.46	-4,997.31	2,079.61	1,036.70	900.04	136.66	7.586	
17,400.00	12,168.94	16,801.95	11,629.25	74.21	82.40	-58.44	-5,097.31	2,080.52	1,036.92	897.99	138.93	7.463	
17,500.00	12,169.81	16,901.95	11,629.77	75.50	83.75	-58.43	-5,197.30	2,081.43	1,037.14	895.94	141.20	7.345	
17,600.00	12,170.68	17,001.95	11,630.30	76.81	85.10	-58.41	-5,297.29	2,082.34	1,037.37	893.89	143.48	7.230	
17,700.00	12,171.55	17,101.95	11,630.82	78.11	86.45	-58.40	-5,397.29	2,083.25	1,037.59	891.83	145.75	7.119	
17,800.00	12,172.42	17,201.95	11,631.35	79.42	87.81	-58.38	-5,497.28	2,084.15	1,037.81	889.78	148.03	7.011	
17,900.00	12,173.29	17,301.95	11,631.87	80.72	89.16	-58.37	-5,597.28	2,085.06	1,038.03	887.72	150.31	6.906	
18,000.00	12,174.17	17,401.95	11,632.40	82.03	90.51	-58.35	-5,697.27	2,085.97	1,038.25	885.66	152.60	6.804	
18,100.00	12,175.04	17,501.95	11,632.92	83.35	91.87	-58.34	-5,797.26	2,086.88	1,038.48	883.60	154.88	6.705	
18,200.00	12,175.91	17,601.95	11,633.45	84.66	93.22	-58.32	-5,897.26	2,087.79	1,038.70	881.53	157.16	6.609	
18,300.00	12,176.78	17,701.95	11,633.97	85.98	94.58	-58.31	-5,997.25	2,088.70	1,038.92	879.47	159.45	6.516	
18,400.00	12,177.65	17,801.95	11,634.50	87.29	95.94	-58.29	-6,097.25	2,089.61	1,039.14	877.40	161.74	6.425	
18,500.00	12,178.52	17,901.95	11,635.02	88.61	97.29	-58.28	-6,197.24	2,090.52	1,039.37	875.34	164.03	6.336	
18,600.00	12,179.39	18,001.95	11,635.55	89.93	98.65	-58.26	-6,297.23	2,091.43	1,039.59	873.27	166.32	6.250	
18,700.00	12,180.27	18,101.95	11,636.07	91.26	100.00	-58.25	-6,397.23	2,092.33	1,039.81	871.20	168.62	6.167	
18,800.00	12,181.14	18,201.94	11,636.60	92.58	101.36	-58.23	-6,497.22	2,093.24	1,040.04	869.13	170.91	6.085	
18,900.00	12,182.01	18,301.94	11,637.12	93.90	102.72	-58.22	-6,597.21	2,094.15	1,040.26	867.05	173.20	6.006	
19,000.00	12,182.88	18,401.94	11,637.65	95.23	104.08	-58.20	-6,697.21	2,095.06	1,040.48	864.98	175.50	5.929	
19,100.00	12,183.75	18,501.94	11,638.17	96.56	105.44	-58.19	-6,797.20	2,095.97	1,040.70	862.91	177.80	5.853	
19,200.00	12,184.62	18,601.94	11,638.70	97.89	106.79	-58.17	-6,897.20	2,096.88	1,040.93	860.83	180.09	5.780	
19,300.00	12,185.50	18,701.94	11,639.22	99.22	108.15	-58.16	-6,997.19	2,097.79	1,041.15	858.76	182.39	5.708	
19,400.00	12,186.37	18,801.94	11,639.75	100.55	109.51	-58.14	-7,097.18	2,098.70	1,041.37	856.68	184.69	5.638	
19,500.00	12,187.24	18,901.94	11,640.27	101.88	110.87	-58.13	-7,197.18	2,099.61	1,041.60	854.60	186.99	5.570	
19,600.00	12,188.11	19,001.94	11,640.80	103.21	112.23	-58.11	-7,297.17	2,100.51	1,041.82	852.53	189.29	5.504	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,700.00	12,188.98	19,101.94	11,641.32	104.54	113.59	-58.10	-7,397.17	2,101.42	1,042.04	850.45	191.60	5.439	
19,800.00	12,189.85	19,201.94	11,641.85	105.88	114.95	-58.08	-7,497.16	2,102.33	1,042.27	848.37	193.90	5.375	
19,900.00	12,190.73	19,301.94	11,642.37	107.21	116.31	-58.07	-7,597.15	2,103.24	1,042.49	846.29	196.20	5.313	
20,000.00	12,191.60	19,401.94	11,642.90	108.55	117.67	-58.06	-7,697.15	2,104.15	1,042.72	844.21	198.50	5.253	
20,100.00	12,192.47	19,501.94	11,643.42	109.89	119.03	-58.04	-7,797.14	2,105.06	1,042.94	842.13	200.81	5.194	
20,200.00	12,193.34	19,601.94	11,643.95	111.23	120.39	-58.03	-7,897.14	2,105.97	1,043.16	840.05	203.11	5.136	
20,300.00	12,194.21	19,701.94	11,644.47	112.56	121.75	-58.01	-7,997.13	2,106.88	1,043.39	837.97	205.41	5.079	
20,400.00	12,195.08	19,801.93	11,645.00	113.90	123.11	-58.00	-8,097.12	2,107.79	1,043.61	835.89	207.72	5.024	
20,500.00	12,195.96	19,901.93	11,645.52	115.24	124.48	-57.98	-8,197.12	2,108.69	1,043.84	833.81	210.02	4.970	
20,600.00	12,196.83	20,001.93	11,646.05	116.58	125.84	-57.97	-8,297.11	2,109.60	1,044.06	831.73	212.33	4.917	
20,700.00	12,197.70	20,101.93	11,646.58	117.93	127.20	-57.95	-8,397.10	2,110.51	1,044.28	829.65	214.63	4.865	
20,800.00	12,198.57	20,201.93	11,647.10	119.27	128.56	-57.94	-8,497.10	2,111.42	1,044.51	827.57	216.94	4.815	
20,900.00	12,199.44	20,301.93	11,647.63	120.61	129.92	-57.92	-8,597.09	2,112.33	1,044.73	825.49	219.24	4.765	
21,000.00	12,200.31	20,401.93	11,648.15	121.95	131.29	-57.91	-8,697.09	2,113.24	1,044.96	823.41	221.55	4.717	
21,100.00	12,201.19	20,501.93	11,648.68	123.30	132.65	-57.89	-8,797.08	2,114.15	1,045.18	821.32	223.86	4.669	
21,200.00	12,202.06	20,601.93	11,649.20	124.64	134.01	-57.88	-8,897.07	2,115.06	1,045.41	819.24	226.16	4.622	
21,300.00	12,202.93	20,701.93	11,649.73	125.99	135.37	-57.86	-8,997.07	2,115.97	1,045.63	817.16	228.47	4.577	
21,400.00	12,203.80	20,801.93	11,650.25	127.33	136.74	-57.85	-9,097.06	2,116.87	1,045.86	815.08	230.77	4.532	
21,500.00	12,204.67	20,901.93	11,650.78	128.68	138.10	-57.83	-9,197.06	2,117.78	1,046.08	813.00	233.08	4.488	
21,600.00	12,205.54	21,001.93	11,651.30	130.03	139.46	-57.82	-9,297.05	2,118.69	1,046.30	810.92	235.39	4.445	
21,700.00	12,206.41	21,101.93	11,651.83	131.37	140.82	-57.81	-9,397.04	2,119.60	1,046.53	808.84	237.69	4.403	
21,800.00	12,207.29	21,201.93	11,652.35	132.72	142.19	-57.79	-9,497.04	2,120.51	1,046.75	806.75	240.00	4.361	
21,900.00	12,208.16	21,301.93	11,652.88	134.07	143.55	-57.78	-9,597.03	2,121.42	1,046.98	804.67	242.31	4.321	
22,000.00	12,209.03	21,401.93	11,653.40	135.42	144.92	-57.76	-9,697.02	2,122.33	1,047.20	802.59	244.61	4.281	
22,100.00	12,209.90	21,501.92	11,653.93	136.77	146.28	-57.75	-9,797.02	2,123.24	1,047.43	800.51	246.92	4.242	
22,200.00	12,210.77	21,601.92	11,654.45	138.12	147.64	-57.73	-9,897.01	2,124.15	1,047.65	798.43	249.22	4.204	
22,300.00	12,211.64	21,701.92	11,654.98	139.47	149.01	-57.72	-9,997.01	2,125.05	1,047.88	796.35	251.53	4.166	
22,400.00	12,212.52	21,801.92	11,655.50	140.82	150.37	-57.70	-10,097.00	2,125.96	1,048.11	794.27	253.84	4.129	
22,500.00	12,213.39	21,901.92	11,656.03	142.17	151.73	-57.69	-10,196.99	2,126.87	1,048.33	792.19	256.14	4.093	
22,512.90	12,213.50	21,914.82	11,656.09	142.34	151.91	-57.69	-10,209.89	2,126.99	1,048.36	791.92	256.44	4.088	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 158H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	73.70	671.00	2,294.00	2,390.12				
100.00	100.00	100.00	100.00	0.98	0.98	73.70	671.00	2,294.00	2,390.12	2,388.16	1.96	1,218.092	
200.00	200.00	200.00	200.00	1.56	1.56	73.70	671.00	2,294.00	2,390.12	2,387.00	3.12	765.512	
300.00	300.00	300.00	300.00	1.98	1.98	73.70	671.00	2,294.00	2,390.12	2,386.16	3.96	603.213	
400.00	399.99	376.89	376.88	2.41	2.30	-2.44	670.45	2,294.55	2,389.30	2,384.62	4.67	511.296	
500.00	499.91	453.72	453.68	2.78	2.60	-2.40	668.81	2,296.19	2,386.82	2,381.54	5.29	451.357	
600.00	599.69	530.46	530.32	3.12	2.87	-2.32	666.09	2,298.91	2,382.71	2,376.86	5.85	407.241	
633.33	632.91	556.00	555.81	3.15	2.95	-2.29	664.94	2,300.06	2,380.98	2,375.02	5.95	399.949	
700.00	699.32	607.05	606.72	3.25	3.11	-2.22	662.28	2,302.72	2,377.54	2,371.35	6.19	384.199	
800.00	798.94	698.75	698.08	3.50	3.23	-2.06	656.69	2,308.31	2,373.01	2,366.45	6.56	361.863	
900.00	898.56	798.39	797.34	3.74	3.47	-1.88	650.55	2,314.45	2,368.55	2,361.50	7.05	336.182	
1,000.00	998.18	898.02	896.59	3.97	3.71	-1.70	644.41	2,320.59	2,364.11	2,356.60	7.52	314.499	
1,100.00	1,097.80	997.65	995.85	4.20	3.93	-1.52	638.27	2,326.73	2,359.70	2,351.73	7.97	295.904	
1,200.00	1,197.42	1,097.29	1,095.10	4.42	4.16	-1.35	632.13	2,332.87	2,355.31	2,346.89	8.42	279.723	
1,300.00	1,297.04	1,196.92	1,194.35	4.64	4.38	-1.17	625.99	2,339.01	2,350.95	2,342.09	8.86	265.277	
1,400.00	1,396.66	1,261.72	1,258.88	4.86	4.53	-1.05	621.98	2,343.46	2,347.30	2,338.09	9.22	254.706	
1,500.00	1,496.28	1,324.44	1,321.24	5.07	4.67	-0.92	618.07	2,348.81	2,345.25	2,335.69	9.56	245.224	
1,600.00	1,595.90	1,400.00	1,396.25	5.28	4.85	-0.77	613.33	2,356.61	2,344.85	2,334.91	9.94	235.796	
1,604.72	1,600.60	1,400.00	1,396.25	5.29	4.85	-0.77	613.33	2,356.61	2,344.85	2,334.89	9.95	235.576	
1,700.00	1,695.52	1,449.75	1,445.55	5.48	4.97	-0.66	610.18	2,362.56	2,345.94	2,335.68	10.26	228.596	
1,800.00	1,795.14	1,500.00	1,495.24	5.69	5.09	-0.54	606.99	2,369.21	2,348.75	2,338.17	10.58	222.078	
1,900.00	1,894.76	1,574.71	1,568.97	5.89	5.26	-0.36	602.21	2,380.32	2,353.05	2,342.10	10.95	214.804	
2,000.00	1,994.38	1,636.97	1,630.23	6.09	5.41	-0.21	598.20	2,390.68	2,359.02	2,347.72	11.30	208.805	
2,100.00	2,094.00	1,700.00	1,692.06	6.29	5.56	-0.04	594.11	2,402.19	2,366.59	2,354.94	11.64	203.300	
2,200.00	2,193.62	1,760.89	1,751.61	6.50	5.67	0.12	590.15	2,414.27	2,375.76	2,363.80	11.96	198.670	
2,206.41	2,200.00	1,778.69	1,768.98	6.52	5.71	0.17	588.98	2,417.99	2,376.46	2,364.45	12.01	197.820	
2,300.00	2,293.13	1,849.10	1,837.66	6.72	5.83	0.36	584.38	2,432.83	2,384.99	2,372.65	12.34	193.202	
2,400.00	2,392.34	1,948.23	1,934.34	6.95	6.04	0.63	577.90	2,453.73	2,391.74	2,378.94	12.81	186.732	
2,500.00	2,491.20	2,047.49	2,031.15	7.18	6.25	0.90	571.41	2,474.65	2,395.94	2,382.66	13.28	180.472	
2,600.00	2,589.63	2,146.83	2,128.04	7.41	6.46	1.17	564.91	2,495.59	2,397.56	2,383.82	13.75	174.414	
2,700.00	2,687.57	2,246.17	2,224.93	7.65	6.69	1.44	558.42	2,516.54	2,396.63	2,382.41	14.22	168.544	
2,800.00	2,784.94	2,345.44	2,321.75	7.88	6.94	1.71	551.93	2,537.46	2,393.13	2,378.44	14.70	162.836	
2,873.30	2,855.92	2,418.13	2,392.65	8.02	7.13	1.92	547.17	2,552.79	2,388.94	2,373.94	15.01	159.163	
2,900.00	2,881.71	2,444.59	2,418.46	8.06	7.20	1.99	545.44	2,558.36	2,387.17	2,372.06	15.11	157.965	
3,000.00	2,978.30	2,543.69	2,515.11	8.28	7.47	2.27	538.96	2,579.26	2,380.56	2,365.00	15.57	152.933	
3,100.00	3,074.89	2,642.79	2,611.77	8.49	7.75	2.55	532.48	2,600.15	2,374.01	2,357.99	16.02	148.185	
3,200.00	3,171.49	2,741.90	2,708.43	8.71	8.03	2.83	526.00	2,621.04	2,367.52	2,351.05	16.48	143.696	
3,300.00	3,268.08	2,841.00	2,805.09	8.93	8.31	3.11	519.52	2,641.93	2,361.09	2,344.16	16.93	139.446	
3,400.00	3,364.67	2,940.10	2,901.75	9.16	8.60	3.40	513.04	2,662.82	2,354.71	2,337.32	17.39	135.418	
3,500.00	3,461.26	3,039.20	2,998.41	9.42	8.88	3.68	506.56	2,683.72	2,348.39	2,330.55	17.85	131.595	
3,600.00	3,557.85	3,138.31	3,095.07	9.70	9.17	3.97	500.09	2,704.61	2,342.13	2,323.83	18.30	127.963	
3,700.00	3,654.44	3,237.41	3,191.72	10.00	9.46	4.26	493.61	2,725.50	2,335.94	2,317.18	18.76	124.510	
3,800.00	3,751.03	3,336.51	3,288.38	10.30	9.75	4.55	487.13	2,746.39	2,329.80	2,310.58	19.22	121.222	
3,900.00	3,847.62	3,435.61	3,385.04	10.61	10.04	4.84	480.65	2,767.28	2,323.72	2,304.04	19.68	118.090	
4,000.00	3,944.21	3,534.72	3,481.70	10.93	10.33	5.13	474.17	2,788.18	2,317.70	2,297.57	20.14	115.101	
4,100.00	4,040.80	3,633.82	3,578.36	11.25	10.62	5.43	467.69	2,809.07	2,311.75	2,291.15	20.59	112.249	
4,200.00	4,137.40	3,732.92	3,675.02	11.57	10.91	5.72	461.21	2,829.96	2,305.86	2,284.80	21.05	109.522	
4,300.00	4,233.99	3,832.02	3,771.67	11.89	11.21	6.02	454.73	2,850.85	2,300.03	2,278.51	21.51	106.915	
4,400.00	4,330.58	3,931.13	3,868.33	12.21	11.50	6.32	448.25	2,871.74	2,294.26	2,272.29	21.97	104.419	
4,500.00	4,427.17	4,030.23	3,964.99	12.54	11.80	6.62	441.77	2,892.64	2,288.55	2,266.12	22.43	102.028	
4,600.00	4,523.76	4,129.33	4,061.65	12.87	12.09	6.92	435.29	2,913.53	2,282.91	2,260.02	22.89	99.736	
4,700.00	4,620.35	4,228.44	4,158.31	13.20	12.39	7.22	428.81	2,934.42	2,277.34	2,253.99	23.35	97.536	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 158H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,327.54	4,254.97	13.53	12.68	7.53	422.33	2,955.31	2,271.83	2,248.02	23.81	95.424	
4,900.00	4,813.53	4,426.64	4,351.63	13.86	12.98	7.84	415.85	2,976.20	2,266.38	2,242.12	24.27	93.394	
5,000.00	4,910.12	4,525.74	4,448.28	14.19	13.28	8.14	409.37	2,997.10	2,261.01	2,236.28	24.73	91.443	
5,100.00	5,006.72	4,624.85	4,544.94	14.53	13.58	8.45	402.89	3,017.99	2,255.69	2,230.51	25.19	89.565	
5,200.00	5,103.31	4,723.95	4,641.60	14.86	13.88	8.76	396.41	3,038.88	2,250.45	2,224.80	25.64	87.757	
5,300.00	5,199.90	4,823.05	4,738.26	15.20	14.17	9.08	389.93	3,059.77	2,245.27	2,219.17	26.10	86.015	
5,400.00	5,296.49	4,922.15	4,834.92	15.53	14.47	9.39	383.45	3,080.66	2,240.16	2,213.60	26.56	84.335	
5,500.00	5,393.08	5,021.26	4,931.58	15.87	14.77	9.70	376.97	3,101.56	2,235.12	2,208.09	27.02	82.715	
5,600.00	5,489.67	5,120.36	5,028.23	16.21	15.07	10.02	370.49	3,122.45	2,230.14	2,202.66	27.48	81.152	
5,700.00	5,586.26	5,219.46	5,124.89	16.55	15.37	10.34	364.01	3,143.34	2,225.24	2,197.30	27.94	79.642	
5,800.00	5,682.85	5,318.56	5,221.55	16.89	15.67	10.66	357.53	3,164.23	2,220.40	2,192.00	28.40	78.183	
5,900.00	5,779.44	5,417.67	5,318.21	17.23	15.97	10.98	351.05	3,185.12	2,215.64	2,186.78	28.86	76.773	
5,915.24	5,794.17	5,432.77	5,332.94	17.27	16.02	11.03	350.06	3,188.31	2,214.92	2,186.00	28.92	76.578	
6,000.00	5,876.27	5,516.83	5,414.93	17.54	16.27	11.29	344.57	3,206.03	2,211.87	2,182.56	29.31	75.466	
6,094.50	5,968.34	5,610.65	5,506.44	17.83	16.56	11.57	338.43	3,225.81	2,210.69	2,180.94	29.75	74.311	
6,100.00	5,973.71	5,616.11	5,511.76	17.85	16.57	11.59	338.07	3,226.96	2,210.70	2,180.92	29.77	74.247	
6,200.00	6,071.71	5,715.45	5,608.65	18.12	16.87	11.88	331.58	3,247.90	2,212.15	2,181.92	30.23	73.175	
6,300.00	6,170.19	5,857.10	5,746.97	18.37	17.28	12.28	322.54	3,277.04	2,215.90	2,185.12	30.78	71.999	
6,400.00	6,269.10	6,079.28	5,965.79	18.59	17.84	12.79	311.19	3,313.64	2,217.92	2,186.44	31.48	70.457	
6,500.00	6,368.35	6,302.26	6,187.27	18.78	18.26	13.15	303.60	3,338.10	2,217.00	2,184.94	32.06	69.152	
6,600.00	6,467.89	6,525.26	6,409.88	18.94	18.53	13.36	299.86	3,350.17	2,213.08	2,180.59	32.50	68.096	
6,700.00	6,567.65	6,683.05	6,567.65	19.07	18.61	13.42	299.43	3,351.55	2,206.95	2,174.22	32.73	67.433	
6,800.00	6,667.55	6,782.95	6,667.55	19.18	18.65	13.43	299.43	3,351.55	2,202.73	2,169.81	32.93	66.895	
6,900.00	6,767.53	6,882.93	6,767.53	19.26	18.69	13.44	299.43	3,351.55	2,201.07	2,167.96	33.11	66.484	
6,915.47	6,783.00	6,898.40	6,783.00	19.26	18.69	89.59	299.43	3,351.55	2,201.04	2,167.92	33.12	66.458	
7,000.00	6,867.53	6,982.93	6,867.53	19.30	18.72	89.59	299.43	3,351.55	2,201.04	2,167.85	33.19	66.326	
7,100.00	6,967.53	7,082.93	6,967.53	19.35	18.76	89.59	299.43	3,351.55	2,201.04	2,167.76	33.27	66.150	
7,200.00	7,067.53	7,182.93	7,067.53	19.40	18.80	89.59	299.43	3,351.55	2,201.04	2,167.67	33.36	65.974	
7,300.00	7,167.53	7,282.93	7,167.53	19.45	18.84	89.59	299.43	3,351.55	2,201.04	2,167.59	33.45	65.797	
7,400.00	7,267.53	7,382.93	7,267.53	19.50	18.88	89.59	299.43	3,351.55	2,201.04	2,167.50	33.54	65.621	
7,500.00	7,367.53	7,482.93	7,367.53	19.55	18.92	89.59	299.43	3,351.55	2,201.04	2,167.40	33.63	65.444	
7,600.00	7,467.53	7,582.93	7,467.53	19.60	18.96	89.59	299.43	3,351.55	2,201.04	2,167.31	33.72	65.268	
7,700.00	7,567.53	7,682.93	7,567.53	19.65	19.00	89.59	299.43	3,351.55	2,201.04	2,167.22	33.81	65.091	
7,800.00	7,667.53	7,782.93	7,667.53	19.71	19.04	89.59	299.43	3,351.55	2,201.04	2,167.13	33.91	64.914	
7,900.00	7,767.53	7,882.93	7,767.53	19.76	19.08	89.59	299.43	3,351.55	2,201.04	2,167.04	34.00	64.737	
8,000.00	7,867.53	7,982.93	7,867.53	19.81	19.12	89.59	299.43	3,351.55	2,201.04	2,166.94	34.09	64.561	
8,100.00	7,967.53	8,082.93	7,967.53	19.86	19.17	89.59	299.43	3,351.55	2,201.04	2,166.85	34.19	64.384	
8,200.00	8,067.53	8,182.93	8,067.53	19.92	19.21	89.59	299.43	3,351.55	2,201.04	2,166.76	34.28	64.207	
8,300.00	8,167.53	8,282.93	8,167.53	19.97	19.25	89.59	299.43	3,351.55	2,201.04	2,166.66	34.38	64.030	
8,400.00	8,267.53	8,382.93	8,267.53	20.02	19.29	89.59	299.43	3,351.55	2,201.04	2,166.57	34.47	63.853	
8,500.00	8,367.53	8,482.93	8,367.53	20.08	19.34	89.59	299.43	3,351.55	2,201.04	2,166.47	34.57	63.676	
8,600.00	8,467.53	8,582.93	8,467.53	20.13	19.38	89.59	299.43	3,351.55	2,201.04	2,166.37	34.66	63.499	
8,700.00	8,567.53	8,682.93	8,567.53	20.18	19.42	89.59	299.43	3,351.55	2,201.04	2,166.28	34.76	63.323	
8,800.00	8,667.53	8,782.93	8,667.53	20.24	19.46	89.59	299.43	3,351.55	2,201.04	2,166.18	34.86	63.146	
8,900.00	8,767.53	8,882.93	8,767.53	20.29	19.51	89.59	299.43	3,351.55	2,201.04	2,166.08	34.95	62.970	
9,000.00	8,867.53	8,982.93	8,867.53	20.35	19.55	89.59	299.43	3,351.55	2,201.04	2,165.98	35.05	62.793	
9,100.00	8,967.53	9,082.93	8,967.53	20.40	19.60	89.59	299.43	3,351.55	2,201.04	2,165.89	35.15	62.617	
9,200.00	9,067.53	9,182.93	9,067.53	20.45	19.64	89.59	299.43	3,351.55	2,201.04	2,165.79	35.25	62.441	
9,300.00	9,167.53	9,282.93	9,167.53	20.51	19.68	89.59	299.43	3,351.55	2,201.04	2,165.69	35.35	62.265	
9,400.00	9,267.53	9,382.93	9,267.53	20.56	19.73	89.59	299.43	3,351.55	2,201.04	2,165.59	35.45	62.089	
9,500.00	9,367.53	9,482.93	9,367.53	20.62	19.77	89.59	299.43	3,351.55	2,201.04	2,165.49	35.55	61.914	
9,600.00	9,467.53	9,582.93	9,467.53	20.68	19.82	89.59	299.43	3,351.55	2,201.04	2,165.39	35.65	61.738	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 158H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,682.93	9,567.53	20.73	19.87	89.59	299.43	3,351.55	2,201.04	2,165.28	35.75	61.563	
9,800.00	9,667.53	9,782.93	9,667.53	20.79	19.91	89.59	299.43	3,351.55	2,201.04	2,165.18	35.85	61.388	
9,900.00	9,767.53	9,882.93	9,767.53	20.84	19.96	89.59	299.43	3,351.55	2,201.04	2,165.08	35.96	61.213	
10,000.00	9,867.53	9,982.93	9,867.53	20.90	20.00	89.59	299.43	3,351.55	2,201.04	2,164.98	36.06	61.039	
10,100.00	9,967.53	10,082.93	9,967.53	20.95	20.05	89.59	299.43	3,351.55	2,201.04	2,164.87	36.16	60.865	
10,200.00	10,067.53	10,182.93	10,067.53	21.01	20.10	89.59	299.43	3,351.55	2,201.04	2,164.77	36.27	60.691	
10,300.00	10,167.53	10,282.93	10,167.53	21.07	20.14	89.59	299.43	3,351.55	2,201.04	2,164.67	36.37	60.517	
10,400.00	10,267.53	10,382.93	10,267.53	21.12	20.19	89.59	299.43	3,351.55	2,201.04	2,164.56	36.48	60.343	
10,500.00	10,367.53	10,482.93	10,367.53	21.18	20.24	89.59	299.43	3,351.55	2,201.04	2,164.46	36.58	60.170	
10,600.00	10,467.53	10,582.93	10,467.53	21.24	20.29	89.59	299.43	3,351.55	2,201.04	2,164.35	36.69	59.997	
10,700.00	10,567.53	10,682.93	10,567.53	21.30	20.33	89.59	299.43	3,351.55	2,201.04	2,164.25	36.79	59.825	
10,800.00	10,667.53	10,782.93	10,667.53	21.35	20.38	89.59	299.43	3,351.55	2,201.04	2,164.14	36.90	59.653	
10,900.00	10,767.53	10,882.93	10,767.53	21.41	20.43	89.59	299.43	3,351.55	2,201.04	2,164.03	37.00	59.481	
11,000.00	10,867.53	10,982.93	10,867.53	21.47	20.48	89.59	299.43	3,351.55	2,201.04	2,163.93	37.11	59.309	
11,100.00	10,967.53	11,082.93	10,967.53	21.53	20.53	89.59	299.43	3,351.55	2,201.04	2,163.82	37.22	59.138	
11,108.50	10,976.04	11,091.44	10,976.04	21.53	20.53	89.59	299.43	3,351.55	2,201.04	2,163.81	37.23	59.123	CC
11,200.00	11,067.53	11,182.05	11,066.47	21.58	20.60	89.70	295.08	3,351.59	2,201.05	2,163.74	37.31	58.994	
11,300.00	11,167.53	11,276.92	11,159.23	21.64	20.76	90.21	275.69	3,351.77	2,201.23	2,163.79	37.44	58.796	
11,400.00	11,267.53	11,363.36	11,239.92	21.70	20.94	91.01	244.92	3,352.05	2,201.99	2,164.38	37.61	58.546	
11,500.00	11,367.53	11,439.11	11,306.13	21.76	21.13	91.96	208.24	3,352.38	2,203.95	2,166.13	37.82	58.275	
11,600.00	11,467.53	11,500.00	11,355.49	21.82	21.32	92.89	172.63	3,352.70	2,207.77	2,169.72	38.05	58.025	
11,686.47	11,554.00	11,550.00	11,393.00	21.86	21.49	93.74	139.60	3,353.00	2,213.00	2,174.73	38.27	57.825	
11,700.00	11,567.53	11,558.68	11,399.21	21.86	21.52	-85.51	133.54	3,353.06	2,213.99	2,175.68	38.31	57.798	
11,750.00	11,617.40	11,584.29	11,417.00	21.90	21.62	-84.68	115.11	3,353.22	2,217.87	2,179.45	38.41	57.738	
11,800.00	11,666.79	11,609.86	11,433.92	21.93	21.72	-83.84	95.95	3,353.40	2,222.03	2,183.51	38.52	57.685	
11,850.00	11,715.32	11,635.39	11,449.94	21.95	21.83	-83.01	76.07	3,353.58	2,226.38	2,187.75	38.63	57.631	
11,900.00	11,762.62	11,660.89	11,465.05	21.97	21.94	-82.19	55.54	3,353.77	2,230.87	2,192.12	38.75	57.575	
11,950.00	11,808.34	11,686.36	11,479.21	21.99	22.06	-81.39	34.37	3,353.96	2,235.39	2,196.52	38.87	57.508	
12,000.00	11,852.12	11,711.80	11,492.40	22.01	22.19	-80.63	12.61	3,354.16	2,239.89	2,200.89	39.00	57.426	
12,050.00	11,893.63	11,737.23	11,504.60	22.03	22.32	-79.89	-9.68	3,354.36	2,244.29	2,205.14	39.15	57.321	
12,100.00	11,932.55	11,762.63	11,515.79	22.05	22.46	-79.21	-32.49	3,354.57	2,248.53	2,209.21	39.32	57.187	
12,150.00	11,968.60	11,788.02	11,525.96	22.09	22.61	-78.57	-55.75	3,354.78	2,252.54	2,213.03	39.51	57.018	
12,200.00	12,001.49	11,813.39	11,535.08	22.13	22.76	-77.98	-79.42	3,354.99	2,256.26	2,216.54	39.72	56.806	
12,250.00	12,030.97	11,850.00	11,546.38	22.19	22.99	-77.38	-114.24	3,355.31	2,259.71	2,219.71	39.99	56.503	
12,300.00	12,056.82	11,864.11	11,550.13	22.26	23.08	-77.00	-127.84	3,355.43	2,262.66	2,222.43	40.23	56.241	
12,350.00	12,078.85	11,900.00	11,558.16	22.35	23.33	-76.56	-162.81	3,355.75	2,265.30	2,224.73	40.57	55.838	
12,400.00	12,096.88	11,914.80	11,560.83	22.47	23.43	-76.30	-177.37	3,355.88	2,267.38	2,226.51	40.88	55.471	
12,450.00	12,110.78	11,950.00	11,565.67	22.60	23.68	-76.02	-212.22	3,356.20	2,269.07	2,227.79	41.28	54.968	
12,500.00	12,120.45	11,965.47	11,567.12	22.75	23.80	-75.88	-227.63	3,356.34	2,270.18	2,228.52	41.65	54.502	
12,550.00	12,125.80	12,000.00	11,568.84	22.93	24.06	-75.79	-262.11	3,356.65	2,270.84	2,228.72	42.12	53.913	
12,581.47	12,126.94	12,008.39	11,568.95	23.05	24.12	-75.78	-270.50	3,356.73	2,270.93	2,228.55	42.38	53.585	
12,581.74	12,126.94	12,008.39	11,568.95	23.05	24.12	-75.78	-270.50	3,356.73	2,270.93	2,228.55	42.38	53.583	
12,600.00	12,127.10	12,023.67	11,569.03	23.12	24.24	-75.77	-285.78	3,356.87	2,270.95	2,228.37	42.58	53.337	
12,700.00	12,127.97	12,123.67	11,569.56	23.56	25.05	-75.77	-385.77	3,357.78	2,271.08	2,227.29	43.79	51.867	
12,800.00	12,128.84	12,223.67	11,570.08	24.06	25.91	-75.76	-485.77	3,358.68	2,271.21	2,226.09	45.12	50.338	
12,900.00	12,129.71	12,323.67	11,570.60	24.61	26.81	-75.75	-585.76	3,359.59	2,271.34	2,224.78	46.56	48.778	
13,000.00	12,130.58	12,423.67	11,571.13	25.21	27.75	-75.74	-685.75	3,360.50	2,271.47	2,223.36	48.11	47.210	
13,100.00	12,131.46	12,523.67	11,571.65	25.87	28.72	-75.73	-785.75	3,361.41	2,271.61	2,221.85	49.76	45.653	
13,200.00	12,132.33	12,623.67	11,572.18	26.56	29.72	-75.73	-885.74	3,362.32	2,271.74	2,220.25	51.49	44.122	
13,300.00	12,133.20	12,723.67	11,572.70	27.30	30.74	-75.72	-985.73	3,363.23	2,271.87	2,218.57	53.29	42.629	
13,400.00	12,134.07	12,823.67	11,573.23	28.08	31.79	-75.71	-1,085.73	3,364.14	2,272.00	2,216.83	55.17	41.181	
13,500.00	12,134.94	12,923.67	11,573.75	28.90	32.86	-75.70	-1,185.72	3,365.04	2,272.13	2,215.02	57.11	39.784	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 158H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,600.00	12,135.81	13,023.67	11,574.28	29.75	33.95	-75.69	-1,285.72	3,365.95	2,272.26	2,213.15	59.11	38.442	
13,700.00	12,136.69	13,123.67	11,574.80	30.63	35.06	-75.68	-1,385.71	3,366.86	2,272.39	2,211.23	61.16	37.156	
13,800.00	12,137.56	13,223.67	11,575.33	31.55	36.19	-75.68	-1,485.70	3,367.77	2,272.52	2,209.27	63.25	35.927	
13,900.00	12,138.43	13,323.67	11,575.85	32.50	37.33	-75.67	-1,585.70	3,368.68	2,272.66	2,207.26	65.39	34.754	
14,000.00	12,139.30	13,423.67	11,576.38	33.47	38.48	-75.66	-1,685.69	3,369.59	2,272.79	2,205.22	67.57	33.637	
14,100.00	12,140.17	13,523.67	11,576.90	34.47	39.65	-75.65	-1,785.69	3,370.49	2,272.92	2,203.14	69.78	32.574	
14,200.00	12,141.04	13,623.66	11,577.43	35.49	40.83	-75.64	-1,885.68	3,371.40	2,273.05	2,201.03	72.02	31.562	
14,300.00	12,141.92	13,723.66	11,577.95	36.53	42.01	-75.64	-1,985.67	3,372.31	2,273.18	2,198.90	74.29	30.600	
14,400.00	12,142.79	13,823.66	11,578.48	37.59	43.21	-75.63	-2,085.67	3,373.22	2,273.32	2,196.73	76.58	29.684	
14,500.00	12,143.66	13,923.66	11,579.00	38.67	44.42	-75.62	-2,185.66	3,374.13	2,273.45	2,194.55	78.90	28.814	
14,600.00	12,144.53	14,023.66	11,579.53	39.77	45.64	-75.61	-2,285.65	3,375.04	2,273.58	2,192.34	81.24	27.985	
14,700.00	12,145.40	14,123.66	11,580.05	40.88	46.86	-75.60	-2,385.65	3,375.95	2,273.71	2,190.11	83.60	27.197	
14,800.00	12,146.27	14,223.66	11,580.58	42.01	48.09	-75.59	-2,485.64	3,376.85	2,273.84	2,187.86	85.98	26.447	
14,900.00	12,147.14	14,323.66	11,581.10	43.15	49.33	-75.59	-2,585.64	3,377.76	2,273.97	2,185.60	88.37	25.732	
15,000.00	12,148.02	14,423.66	11,581.63	44.31	50.58	-75.58	-2,685.63	3,378.67	2,274.11	2,183.33	90.78	25.051	
15,100.00	12,148.89	14,523.66	11,582.15	45.47	51.83	-75.57	-2,785.62	3,379.58	2,274.24	2,181.04	93.20	24.401	
15,200.00	12,149.76	14,623.66	11,582.68	46.65	53.08	-75.56	-2,885.62	3,380.49	2,274.37	2,178.73	95.64	23.781	
15,300.00	12,150.63	14,723.66	11,583.20	47.83	54.34	-75.55	-2,985.61	3,381.40	2,274.50	2,176.42	98.09	23.189	
15,400.00	12,151.50	14,823.66	11,583.73	49.03	55.61	-75.55	-3,085.61	3,382.31	2,274.64	2,174.09	100.54	22.623	
15,500.00	12,152.37	14,923.66	11,584.25	50.23	56.88	-75.54	-3,185.60	3,383.21	2,274.77	2,171.76	103.01	22.083	
15,600.00	12,153.25	15,023.66	11,584.78	51.45	58.16	-75.53	-3,285.59	3,384.12	2,274.90	2,169.41	105.49	21.565	
15,700.00	12,154.12	15,123.66	11,585.30	52.67	59.43	-75.52	-3,385.59	3,385.03	2,275.03	2,167.06	107.98	21.070	
15,800.00	12,154.99	15,223.65	11,585.83	53.89	60.72	-75.51	-3,485.58	3,385.94	2,275.17	2,164.70	110.47	20.595	
15,900.00	12,155.86	15,323.65	11,586.35	55.13	62.00	-75.50	-3,585.58	3,386.85	2,275.30	2,162.33	112.97	20.140	
16,000.00	12,156.73	15,423.65	11,586.88	56.37	63.29	-75.50	-3,685.57	3,387.76	2,275.43	2,159.95	115.48	19.704	
16,100.00	12,157.60	15,523.65	11,587.40	57.61	64.58	-75.49	-3,785.56	3,388.67	2,275.56	2,157.57	118.00	19.285	
16,200.00	12,158.48	15,623.65	11,587.93	58.86	65.88	-75.48	-3,885.56	3,389.57	2,275.70	2,155.18	120.52	18.883	
16,300.00	12,159.35	15,723.65	11,588.45	60.12	67.18	-75.47	-3,985.55	3,390.48	2,275.83	2,152.78	123.04	18.496	
16,400.00	12,160.22	15,823.65	11,588.97	61.38	68.48	-75.46	-4,085.54	3,391.39	2,275.96	2,150.38	125.58	18.124	
16,500.00	12,161.09	15,923.65	11,589.50	62.65	69.78	-75.46	-4,185.54	3,392.30	2,276.09	2,147.98	128.11	17.766	
16,600.00	12,161.96	16,023.65	11,590.02	63.92	71.09	-75.45	-4,285.53	3,393.21	2,276.23	2,145.57	130.66	17.421	
16,700.00	12,162.83	16,123.65	11,590.55	65.19	72.40	-75.44	-4,385.53	3,394.12	2,276.36	2,143.16	133.20	17.089	
16,800.00	12,163.71	16,223.65	11,591.07	66.47	73.71	-75.43	-4,485.52	3,395.03	2,276.49	2,140.74	135.75	16.769	
16,900.00	12,164.58	16,323.65	11,591.60	67.75	75.02	-75.42	-4,585.51	3,395.93	2,276.63	2,138.32	138.31	16.460	
17,000.00	12,165.45	16,423.65	11,592.12	69.04	76.33	-75.42	-4,685.51	3,396.84	2,276.76	2,135.89	140.87	16.162	
17,100.00	12,166.32	16,523.65	11,592.65	70.32	77.65	-75.41	-4,785.50	3,397.75	2,276.89	2,133.46	143.43	15.875	
17,200.00	12,167.19	16,623.65	11,593.17	71.61	78.97	-75.40	-4,885.50	3,398.66	2,277.02	2,131.03	145.99	15.597	
17,300.00	12,168.06	16,723.65	11,593.70	72.91	80.29	-75.39	-4,985.49	3,399.57	2,277.16	2,128.59	148.56	15.328	
17,400.00	12,168.94	16,823.65	11,594.22	74.21	81.61	-75.38	-5,085.48	3,400.48	2,277.29	2,126.16	151.13	15.068	
17,500.00	12,169.81	16,923.64	11,594.75	75.50	82.93	-75.37	-5,185.48	3,401.38	2,277.42	2,123.72	153.71	14.816	
17,600.00	12,170.68	17,023.64	11,595.27	76.81	84.25	-75.37	-5,285.47	3,402.29	2,277.56	2,121.27	156.29	14.573	
17,700.00	12,171.55	17,123.64	11,595.80	78.11	85.58	-75.36	-5,385.47	3,403.20	2,277.69	2,118.83	158.86	14.337	
17,800.00	12,172.42	17,223.64	11,596.32	79.42	86.91	-75.35	-5,485.46	3,404.11	2,277.82	2,116.38	161.45	14.109	
17,900.00	12,173.29	17,323.64	11,596.85	80.72	88.23	-75.34	-5,585.45	3,405.02	2,277.96	2,113.93	164.03	13.887	
18,000.00	12,174.17	17,423.64	11,597.37	82.03	89.56	-75.33	-5,685.45	3,405.93	2,278.09	2,111.47	166.62	13.673	
18,100.00	12,175.04	17,523.64	11,597.90	83.35	90.89	-75.33	-5,785.44	3,406.84	2,278.22	2,109.02	169.20	13.464	
18,200.00	12,175.91	17,623.64	11,598.42	84.66	92.23	-75.32	-5,885.43	3,407.74	2,278.36	2,106.56	171.79	13.262	
18,300.00	12,176.78	17,723.64	11,598.95	85.98	93.56	-75.31	-5,985.43	3,408.65	2,278.49	2,104.10	174.39	13.066	
18,400.00	12,177.65	17,823.64	11,599.47	87.29	94.89	-75.30	-6,085.42	3,409.56	2,278.62	2,101.65	176.98	12.875	
18,500.00	12,178.52	17,923.64	11,600.00	88.61	96.23	-75.29	-6,185.42	3,410.47	2,278.76	2,099.18	179.57	12.690	
18,600.00	12,179.39	18,023.64	11,600.52	89.93	97.56	-75.28	-6,285.41	3,411.38	2,278.89	2,096.72	182.17	12.510	
18,700.00	12,180.27	18,123.64	11,601.05	91.26	98.90	-75.28	-6,385.40	3,412.29	2,279.03	2,094.26	184.77	12.334	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 158H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,800.00	12,181.14	18,223.64	11,601.57	92.58	100.23	-75.27	-6,485.40	3,413.20	2,279.16	2,091.79	187.37	12.164	
18,900.00	12,182.01	18,323.64	11,602.10	93.90	101.57	-75.26	-6,585.39	3,414.10	2,279.29	2,089.32	189.97	11.998	
19,000.00	12,182.88	18,423.64	11,602.62	95.23	102.91	-75.25	-6,685.39	3,415.01	2,279.43	2,086.85	192.57	11.837	
19,100.00	12,183.75	18,523.63	11,603.15	96.56	104.25	-75.24	-6,785.38	3,415.92	2,279.56	2,084.38	195.18	11.679	
19,200.00	12,184.62	18,623.63	11,603.67	97.89	105.59	-75.24	-6,885.37	3,416.83	2,279.70	2,081.91	197.78	11.526	
19,300.00	12,185.50	18,723.63	11,604.20	99.22	106.93	-75.23	-6,985.37	3,417.74	2,279.83	2,079.44	200.39	11.377	
19,400.00	12,186.37	18,823.63	11,604.72	100.55	108.27	-75.22	-7,085.36	3,418.65	2,279.96	2,076.97	202.99	11.232	
19,500.00	12,187.24	18,923.63	11,605.25	101.88	109.62	-75.21	-7,185.36	3,419.56	2,280.10	2,074.50	205.60	11.090	
19,600.00	12,188.11	19,023.63	11,605.77	103.21	110.96	-75.20	-7,285.35	3,420.46	2,280.23	2,072.02	208.21	10.952	
19,700.00	12,188.98	19,123.63	11,606.30	104.54	112.30	-75.20	-7,385.34	3,421.37	2,280.37	2,069.54	210.82	10.817	
19,800.00	12,189.85	19,223.63	11,606.82	105.88	113.65	-75.19	-7,485.34	3,422.28	2,280.50	2,067.07	213.43	10.685	
19,900.00	12,190.73	19,323.63	11,607.34	107.21	114.99	-75.18	-7,585.33	3,423.19	2,280.64	2,064.59	216.04	10.556	
20,000.00	12,191.60	19,423.63	11,607.87	108.55	116.34	-75.17	-7,685.32	3,424.10	2,280.77	2,062.11	218.66	10.431	
20,100.00	12,192.47	19,523.63	11,608.39	109.89	117.68	-75.16	-7,785.32	3,425.01	2,280.90	2,059.63	221.27	10.308	
20,200.00	12,193.34	19,623.63	11,608.92	111.23	119.03	-75.15	-7,885.31	3,425.91	2,281.04	2,057.15	223.88	10.188	
20,300.00	12,194.21	19,723.63	11,609.44	112.56	120.38	-75.15	-7,985.31	3,426.82	2,281.17	2,054.67	226.50	10.071	
20,400.00	12,195.08	19,823.63	11,609.97	113.90	121.73	-75.14	-8,085.30	3,427.73	2,281.31	2,052.19	229.11	9.957	
20,500.00	12,195.96	19,923.63	11,610.49	115.24	123.07	-75.13	-8,185.29	3,428.64	2,281.44	2,049.71	231.73	9.845	
20,600.00	12,196.83	20,023.63	11,611.02	116.58	124.42	-75.12	-8,285.29	3,429.55	2,281.58	2,047.23	234.35	9.736	
20,700.00	12,197.70	20,123.62	11,611.54	117.93	125.77	-75.11	-8,385.28	3,430.46	2,281.71	2,044.75	236.96	9.629	
20,800.00	12,198.57	20,223.62	11,612.07	119.27	127.12	-75.11	-8,485.28	3,431.37	2,281.85	2,042.26	239.58	9.524	
20,900.00	12,199.44	20,323.62	11,612.59	120.61	128.47	-75.10	-8,585.27	3,432.27	2,281.98	2,039.78	242.20	9.422	
21,000.00	12,200.31	20,423.62	11,613.12	121.95	129.82	-75.09	-8,685.26	3,433.18	2,282.12	2,037.30	244.82	9.322	
21,100.00	12,201.19	20,523.62	11,613.64	123.30	131.17	-75.08	-8,785.26	3,434.09	2,282.25	2,034.81	247.44	9.223	
21,200.00	12,202.06	20,623.62	11,614.17	124.64	132.52	-75.07	-8,885.25	3,435.00	2,282.39	2,032.33	250.06	9.127	
21,300.00	12,202.93	20,723.62	11,614.69	125.99	133.87	-75.07	-8,985.25	3,435.91	2,282.52	2,029.84	252.68	9.033	
21,400.00	12,203.80	20,823.62	11,615.22	127.33	135.22	-75.06	-9,085.24	3,436.82	2,282.66	2,027.35	255.30	8.941	
21,500.00	12,204.67	20,923.62	11,615.74	128.68	136.58	-75.05	-9,185.23	3,437.73	2,282.79	2,024.87	257.92	8.851	
21,600.00	12,205.54	21,023.62	11,616.27	130.03	137.93	-75.04	-9,285.23	3,438.63	2,282.93	2,022.38	260.54	8.762	
21,700.00	12,206.41	21,123.62	11,616.79	131.37	139.28	-75.03	-9,385.22	3,439.54	2,283.06	2,019.89	263.17	8.675	
21,800.00	12,207.29	21,223.62	11,617.32	132.72	140.63	-75.03	-9,485.21	3,440.45	2,283.20	2,017.41	265.79	8.590	
21,900.00	12,208.16	21,323.62	11,617.84	134.07	141.99	-75.02	-9,585.21	3,441.36	2,283.33	2,014.92	268.41	8.507	
22,000.00	12,209.03	21,423.62	11,618.37	135.42	143.34	-75.01	-9,685.20	3,442.27	2,283.47	2,012.43	271.04	8.425	
22,100.00	12,209.90	21,523.62	11,618.89	136.77	144.70	-75.00	-9,785.20	3,443.18	2,283.60	2,009.94	273.66	8.345	
22,200.00	12,210.77	21,623.62	11,619.42	138.12	146.05	-74.99	-9,885.19	3,444.09	2,283.74	2,007.45	276.28	8.266	
22,300.00	12,211.64	21,723.62	11,619.94	139.47	147.40	-74.98	-9,985.18	3,444.99	2,283.87	2,004.97	278.91	8.189	
22,400.00	12,212.52	21,823.61	11,620.47	140.82	148.76	-74.98	-10,085.18	3,445.90	2,284.01	2,002.48	281.53	8.113	
22,500.00	12,213.39	21,923.61	11,620.99	142.17	150.11	-74.97	-10,185.17	3,446.81	2,284.14	1,999.99	284.16	8.038	
22,512.90	12,213.50	21,936.51	11,621.06	142.34	150.29	-74.97	-10,198.07	3,446.93	2,284.16	1,999.67	284.49	8.029	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	-172.30	-185.00	-25.00	186.68				
100.00	100.00	101.00	101.00	0.98	0.99	-172.30	-185.00	-25.00	186.68	184.71	1.97	94.875	
200.00	200.00	201.00	201.00	1.56	1.57	-172.30	-185.00	-25.00	186.68	183.56	3.13	59.711	
300.00	300.00	301.01	301.01	1.98	1.99	-172.30	-185.00	-25.00	186.68	182.72	3.97	47.071	
302.54	302.54	303.58	303.58	1.99	2.00	111.55	-185.00	-25.00	186.68	182.70	3.98	46.858	CC
400.00	399.99	402.24	402.22	2.41	2.42	112.33	-184.47	-26.26	186.83	182.15	4.68	39.942	ES
500.00	499.91	503.08	502.98	2.78	2.79	114.63	-182.91	-29.98	187.48	182.18	5.30	35.391	
600.00	599.69	603.17	602.85	3.12	3.12	118.37	-180.34	-36.09	189.24	183.38	5.86	32.289	
633.33	632.91	636.28	635.85	3.15	3.15	119.90	-179.27	-38.64	190.22	184.30	5.92	32.125	
700.00	699.32	702.03	701.35	3.25	3.26	123.06	-177.05	-43.92	192.75	186.61	6.14	31.377	
800.00	798.94	800.66	799.61	3.50	3.51	127.64	-173.73	-51.85	197.63	190.97	6.66	29.676	
900.00	898.56	899.30	897.86	3.74	3.74	131.97	-170.40	-59.77	203.73	196.57	7.15	28.477	
1,000.00	998.18	997.93	996.12	3.97	3.97	136.03	-167.07	-67.70	210.94	203.31	7.63	27.642	
1,100.00	1,097.80	1,096.56	1,094.37	4.20	4.20	139.82	-163.74	-75.62	219.16	211.07	8.09	27.078	
1,200.00	1,197.42	1,195.19	1,192.63	4.42	4.42	143.32	-160.41	-83.55	228.28	219.74	8.54	26.717	
1,300.00	1,297.04	1,292.95	1,290.00	4.64	4.55	146.57	-157.03	-91.60	238.27	229.38	8.89	26.795	
1,400.00	1,396.66	1,388.91	1,385.37	4.86	4.79	149.92	-152.94	-101.34	249.79	240.47	9.33	26.783	
1,500.00	1,496.28	1,483.93	1,479.52	5.07	5.04	153.41	-147.98	-113.16	263.26	253.49	9.77	26.950	
1,600.00	1,595.90	1,577.91	1,572.30	5.28	5.29	156.95	-142.18	-126.98	278.89	268.69	10.21	27.317	
1,700.00	1,695.52	1,670.76	1,663.57	5.48	5.52	160.45	-135.58	-142.68	296.89	286.25	10.65	27.883	
1,800.00	1,795.14	1,762.40	1,753.22	5.69	5.75	163.85	-128.23	-160.19	317.39	306.31	11.08	28.642	
1,900.00	1,894.76	1,854.70	1,843.06	5.89	5.94	167.14	-120.05	-179.67	340.36	328.89	11.48	29.652	
2,000.00	1,994.38	1,949.93	1,935.66	6.09	6.13	170.18	-111.44	-200.18	364.69	352.78	11.90	30.637	
2,100.00	2,094.00	2,045.16	2,028.26	6.29	6.34	172.83	-102.83	-220.68	389.88	377.54	12.34	31.604	
2,200.00	2,193.62	2,140.40	2,120.86	6.50	6.54	175.18	-94.22	-241.18	415.79	403.01	12.77	32.548	
2,206.41	2,200.00	2,146.50	2,126.80	6.52	6.56	175.32	-93.67	-242.49	417.47	404.67	12.80	32.608	
2,300.00	2,293.13	2,235.31	2,213.15	6.72	6.75	177.23	-85.64	-261.61	443.38	430.17	13.21	33.555	
2,400.00	2,392.34	2,329.45	2,304.69	6.95	6.97	179.05	-77.13	-281.88	473.96	460.30	13.66	34.684	
2,500.00	2,491.20	2,422.76	2,395.42	7.18	7.20	-179.33	-68.69	-301.97	507.41	493.30	14.11	35.958	
2,600.00	2,589.63	2,515.16	2,485.27	7.41	7.45	-177.90	-60.34	-321.86	543.64	529.09	14.55	37.355	
2,700.00	2,687.57	2,606.61	2,574.19	7.65	7.71	-176.65	-52.07	-341.55	582.54	567.55	14.99	38.867	
2,800.00	2,784.94	2,697.03	2,662.11	7.88	7.98	-175.55	-43.90	-361.01	624.03	608.61	15.42	40.469	
2,873.30	2,855.92	2,762.61	2,725.88	8.02	8.17	-174.83	-37.97	-375.13	656.03	640.33	15.71	41.766	
2,900.00	2,881.71	2,786.40	2,749.01	8.06	8.24	-174.60	-35.82	-380.25	667.94	652.14	15.80	42.269	
3,000.00	2,978.30	2,875.47	2,835.61	8.28	8.51	-173.82	-27.77	-399.43	712.60	696.39	16.20	43.976	
3,100.00	3,074.89	2,964.54	2,922.22	8.49	8.77	-173.13	-19.71	-418.60	757.35	740.75	16.61	45.603	
3,200.00	3,171.49	3,053.61	3,008.83	8.71	9.04	-172.51	-11.66	-437.78	802.19	785.17	17.01	47.153	
3,300.00	3,268.08	3,142.68	3,095.44	8.93	9.31	-171.96	-3.61	-456.95	847.09	829.67	17.42	48.631	
3,400.00	3,364.67	3,231.75	3,182.05	9.16	9.58	-171.46	4.44	-476.13	892.04	874.22	17.83	50.041	
3,500.00	3,461.26	3,320.82	3,268.65	9.42	9.85	-171.02	12.50	-495.30	937.05	918.81	18.24	51.387	
3,600.00	3,557.85	3,409.89	3,355.26	9.70	10.12	-170.61	20.55	-514.48	982.10	963.45	18.65	52.672	
3,700.00	3,654.44	3,498.96	3,441.87	10.00	10.39	-170.24	28.60	-533.66	1,027.18	1,008.12	19.06	53.900	
3,800.00	3,751.03	3,588.03	3,528.48	10.30	10.67	-169.90	36.65	-552.83	1,072.29	1,052.82	19.47	55.074	
3,900.00	3,847.62	3,677.10	3,615.09	10.61	10.94	-169.58	44.70	-572.01	1,117.44	1,097.55	19.88	56.197	
4,000.00	3,944.21	3,766.17	3,701.69	10.93	11.22	-169.29	52.76	-591.18	1,162.61	1,142.31	20.30	57.273	
4,100.00	4,040.80	3,855.24	3,788.30	11.25	11.49	-169.03	60.81	-610.36	1,207.79	1,187.08	20.72	58.303	
4,200.00	4,137.40	3,944.31	3,874.91	11.57	11.77	-168.78	68.86	-629.53	1,253.00	1,231.87	21.13	59.290	
4,300.00	4,233.99	4,033.38	3,961.52	11.89	12.04	-168.55	76.91	-648.71	1,298.23	1,276.68	21.55	60.237	
4,400.00	4,330.58	4,122.45	4,048.13	12.21	12.32	-168.33	84.97	-667.88	1,343.47	1,321.50	21.97	61.146	
4,500.00	4,427.17	4,211.52	4,134.73	12.54	12.60	-168.13	93.02	-687.06	1,388.73	1,366.34	22.39	62.018	
4,600.00	4,523.76	4,300.59	4,221.34	12.87	12.87	-167.94	101.07	-706.23	1,434.00	1,411.18	22.81	62.856	
4,700.00	4,620.35	4,389.66	4,307.95	13.20	13.15	-167.76	109.12	-725.41	1,479.28	1,456.04	23.24	63.661	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,478.73	4,394.56	13.53	13.43	-167.60	117.17	-744.58	1,524.57	1,500.91	23.66	64.436	
4,900.00	4,813.53	4,567.80	4,481.17	13.86	13.71	-167.44	125.23	-763.76	1,569.87	1,545.79	24.08	65.181	
5,000.00	4,910.12	4,656.87	4,567.77	14.19	13.99	-167.29	133.28	-782.93	1,615.18	1,590.67	24.51	65.898	
5,100.00	5,006.72	4,745.94	4,654.38	14.53	14.26	-167.15	141.33	-802.11	1,660.50	1,635.56	24.94	66.589	
5,200.00	5,103.31	4,835.01	4,740.99	14.86	14.54	-167.02	149.38	-821.28	1,705.83	1,680.46	25.36	67.255	
5,300.00	5,199.90	4,924.08	4,827.60	15.20	14.82	-166.89	157.44	-840.46	1,751.16	1,725.37	25.79	67.897	
5,400.00	5,296.49	5,013.15	4,914.20	15.53	15.10	-166.77	165.49	-859.64	1,796.50	1,770.28	26.22	68.516	
5,500.00	5,393.08	5,102.22	5,000.81	15.87	15.38	-166.66	173.54	-878.81	1,841.84	1,815.19	26.65	69.114	
5,600.00	5,489.67	5,191.29	5,087.42	16.21	15.66	-166.55	181.59	-897.99	1,887.19	1,860.11	27.08	69.690	
5,700.00	5,586.26	5,280.36	5,174.03	16.55	15.94	-166.45	189.64	-917.16	1,932.55	1,905.04	27.51	70.247	
5,800.00	5,682.85	5,369.43	5,260.64	16.89	16.22	-166.35	197.70	-936.34	1,977.91	1,949.97	27.94	70.785	
5,900.00	5,779.44	5,458.50	5,347.24	17.23	16.50	-166.25	205.75	-955.51	2,023.27	1,994.90	28.37	71.305	
5,915.24	5,794.17	5,472.07	5,360.45	17.27	16.55	-166.24	206.98	-958.43	2,030.19	2,001.75	28.44	71.396	
6,000.00	5,876.27	5,547.97	5,434.24	17.54	16.79	-166.31	213.84	-974.77	2,067.82	2,039.03	28.80	71.801	
6,100.00	5,973.71	5,638.51	5,522.28	17.85	17.07	-166.36	222.02	-994.26	2,110.12	2,080.88	29.24	72.171	
6,200.00	6,071.71	5,764.43	5,644.86	18.12	17.46	-166.35	233.19	-1,020.86	2,149.84	2,120.02	29.82	72.086	
6,300.00	6,170.19	5,960.91	5,837.68	18.37	17.98	-166.28	247.75	-1,055.52	2,183.80	2,153.14	30.66	71.229	
6,400.00	6,269.10	6,165.41	6,040.15	18.59	18.42	-166.27	258.80	-1,081.84	2,210.74	2,179.32	31.43	70.348	
6,500.00	6,368.35	6,376.24	6,250.19	18.78	18.74	-166.32	265.78	-1,098.48	2,230.35	2,198.25	32.10	69.482	
6,600.00	6,467.89	6,591.42	6,465.24	18.94	18.94	-166.42	268.28	-1,104.41	2,242.38	2,209.77	32.61	68.765	
6,700.00	6,567.65	6,694.83	6,568.65	19.07	19.00	-166.49	268.28	-1,104.42	2,249.13	2,216.28	32.85	68.465	
6,800.00	6,667.55	6,794.73	6,668.55	19.18	19.05	-166.53	268.28	-1,104.42	2,253.35	2,220.27	33.07	68.132	
6,900.00	6,767.53	6,894.71	6,768.53	19.26	19.11	-166.54	268.28	-1,104.42	2,255.01	2,221.74	33.27	67.779	
6,915.47	6,783.00	6,910.18	6,784.00	19.26	19.11	-90.39	268.28	-1,104.42	2,255.04	2,221.76	33.29	67.749	
7,000.00	6,867.53	6,994.71	6,868.53	19.30	19.16	-90.39	268.28	-1,104.42	2,255.04	2,221.68	33.37	67.583	
7,100.00	6,967.53	7,094.71	6,968.53	19.35	19.21	-90.39	268.28	-1,104.42	2,255.04	2,221.57	33.47	67.369	
7,200.00	7,067.53	7,194.71	7,068.53	19.40	19.27	-90.39	268.28	-1,104.42	2,255.04	2,221.46	33.58	67.154	
7,300.00	7,167.53	7,294.71	7,168.53	19.45	19.32	-90.39	268.28	-1,104.42	2,255.04	2,221.35	33.69	66.940	
7,400.00	7,267.53	7,394.71	7,268.53	19.50	19.38	-90.39	268.28	-1,104.42	2,255.04	2,221.25	33.79	66.727	
7,500.00	7,367.53	7,494.71	7,368.53	19.55	19.43	-90.39	268.28	-1,104.42	2,255.04	2,221.14	33.90	66.514	
7,600.00	7,467.53	7,594.71	7,468.53	19.60	19.49	-90.39	268.28	-1,104.42	2,255.04	2,221.03	34.01	66.302	
7,700.00	7,567.53	7,694.71	7,568.53	19.65	19.55	-90.39	268.28	-1,104.42	2,255.04	2,220.92	34.12	66.090	
7,800.00	7,667.53	7,794.71	7,668.53	19.71	19.60	-90.39	268.28	-1,104.42	2,255.04	2,220.81	34.23	65.879	
7,900.00	7,767.53	7,894.71	7,768.53	19.76	19.66	-90.39	268.28	-1,104.42	2,255.04	2,220.70	34.34	65.668	
8,000.00	7,867.53	7,994.71	7,868.53	19.81	19.71	-90.39	268.28	-1,104.42	2,255.04	2,220.59	34.45	65.458	
8,100.00	7,967.53	8,094.71	7,968.53	19.86	19.77	-90.39	268.28	-1,104.42	2,255.04	2,220.48	34.56	65.248	
8,200.00	8,067.53	8,194.71	8,068.53	19.92	19.83	-90.39	268.28	-1,104.42	2,255.04	2,220.37	34.67	65.039	
8,300.00	8,167.53	8,294.71	8,168.53	19.97	19.88	-90.39	268.28	-1,104.42	2,255.04	2,220.26	34.78	64.831	
8,400.00	8,267.53	8,394.71	8,268.53	20.02	19.94	-90.39	268.28	-1,104.42	2,255.04	2,220.15	34.90	64.623	
8,500.00	8,367.53	8,494.71	8,368.53	20.08	20.00	-90.39	268.28	-1,104.42	2,255.04	2,220.03	35.01	64.415	
8,600.00	8,467.53	8,594.71	8,468.53	20.13	20.05	-90.39	268.28	-1,104.42	2,255.04	2,219.92	35.12	64.208	
8,700.00	8,567.53	8,694.71	8,568.53	20.18	20.11	-90.39	268.28	-1,104.42	2,255.04	2,219.81	35.23	64.002	
8,800.00	8,667.53	8,794.71	8,668.53	20.24	20.17	-90.39	268.28	-1,104.42	2,255.04	2,219.69	35.35	63.797	
8,900.00	8,767.53	8,894.71	8,768.53	20.29	20.23	-90.39	268.28	-1,104.42	2,255.04	2,219.58	35.46	63.592	
9,000.00	8,867.53	8,994.71	8,868.53	20.35	20.28	-90.39	268.28	-1,104.42	2,255.04	2,219.47	35.58	63.388	
9,100.00	8,967.53	9,094.71	8,968.53	20.40	20.34	-90.39	268.28	-1,104.42	2,255.04	2,219.35	35.69	63.184	
9,200.00	9,067.53	9,194.71	9,068.53	20.45	20.40	-90.39	268.28	-1,104.42	2,255.04	2,219.24	35.81	62.981	
9,300.00	9,167.53	9,294.71	9,168.53	20.51	20.46	-90.39	268.28	-1,104.42	2,255.04	2,219.12	35.92	62.779	
9,400.00	9,267.53	9,394.71	9,268.53	20.56	20.52	-90.39	268.28	-1,104.42	2,255.04	2,219.01	36.04	62.577	
9,500.00	9,367.53	9,494.71	9,368.53	20.62	20.58	-90.39	268.28	-1,104.42	2,255.04	2,218.89	36.15	62.376	
9,600.00	9,467.53	9,594.71	9,468.53	20.68	20.63	-90.39	268.28	-1,104.42	2,255.04	2,218.77	36.27	62.175	
9,700.00	9,567.53	9,694.71	9,568.53	20.73	20.69	-90.39	268.28	-1,104.42	2,255.04	2,218.66	36.39	61.976	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,667.53	9,794.71	9,668.53	20.79	20.75	-90.39	268.28	-1,104.42	2,255.04	2,218.54	36.50	61.777	
9,900.00	9,767.53	9,894.71	9,768.53	20.84	20.81	-90.39	268.28	-1,104.42	2,255.04	2,218.42	36.62	61.578	
10,000.00	9,867.53	9,994.71	9,868.53	20.90	20.87	-90.39	268.28	-1,104.42	2,255.04	2,218.30	36.74	61.381	
10,100.00	9,967.53	10,094.71	9,968.53	20.95	20.93	-90.39	268.28	-1,104.42	2,255.04	2,218.19	36.86	61.184	
10,200.00	10,067.53	10,194.71	10,068.53	21.01	20.99	-90.39	268.28	-1,104.42	2,255.04	2,218.07	36.98	60.987	
10,300.00	10,167.53	10,294.71	10,168.53	21.07	21.05	-90.39	268.28	-1,104.42	2,255.04	2,217.95	37.09	60.792	
10,400.00	10,267.53	10,394.71	10,268.53	21.12	21.11	-90.39	268.28	-1,104.42	2,255.04	2,217.83	37.21	60.597	
10,500.00	10,367.53	10,494.71	10,368.53	21.18	21.17	-90.39	268.28	-1,104.42	2,255.04	2,217.71	37.33	60.403	
10,600.00	10,467.53	10,594.71	10,468.53	21.24	21.23	-90.39	268.28	-1,104.42	2,255.04	2,217.59	37.45	60.209	
10,700.00	10,567.53	10,694.71	10,568.53	21.30	21.29	-90.39	268.28	-1,104.42	2,255.04	2,217.47	37.57	60.017	
10,800.00	10,667.53	10,794.71	10,668.53	21.35	21.35	-90.39	268.28	-1,104.42	2,255.04	2,217.35	37.69	59.825	
10,900.00	10,767.53	10,894.71	10,768.53	21.41	21.41	-90.39	268.28	-1,104.42	2,255.04	2,217.23	37.82	59.633	
11,000.00	10,867.53	10,994.71	10,868.53	21.47	21.47	-90.39	268.28	-1,104.42	2,255.04	2,217.11	37.94	59.443	
11,100.00	10,967.53	11,094.71	10,968.53	21.53	21.54	-90.39	268.28	-1,104.42	2,255.04	2,216.98	38.06	59.253	
11,200.00	11,067.53	11,194.71	11,068.53	21.58	21.60	-90.39	268.28	-1,104.42	2,255.04	2,216.86	38.18	59.064	
11,300.00	11,167.53	11,294.71	11,168.53	21.64	21.66	-90.39	268.28	-1,104.42	2,255.04	2,216.74	38.30	58.876	
11,400.00	11,267.53	11,394.71	11,268.53	21.70	21.72	-90.39	268.28	-1,104.42	2,255.04	2,216.62	38.42	58.688	
11,500.00	11,367.53	11,494.71	11,368.53	21.76	21.78	-90.39	268.28	-1,104.42	2,255.04	2,216.50	38.55	58.501	
11,600.00	11,467.53	11,594.71	11,468.53	21.82	21.84	-90.39	268.28	-1,104.42	2,255.04	2,216.37	38.67	58.315	
11,686.47	11,554.00	11,681.18	11,555.00	21.86	21.90	-90.39	268.28	-1,104.42	2,255.04	2,216.27	38.77	58.164	
11,700.00	11,567.53	11,694.71	11,568.53	21.86	21.90	90.11	268.28	-1,104.42	2,255.04	2,216.26	38.78	58.151	
11,750.00	11,617.40	11,744.58	11,618.40	21.90	21.94	90.19	268.28	-1,104.42	2,255.05	2,216.25	38.80	58.124	
11,800.00	11,666.79	11,793.97	11,667.79	21.93	21.97	90.38	268.28	-1,104.42	2,255.09	2,216.29	38.80	58.116	
11,850.00	11,715.32	11,842.50	11,716.32	21.95	22.00	90.66	268.28	-1,104.42	2,255.20	2,216.41	38.80	58.130	
11,900.00	11,762.62	11,889.81	11,763.62	21.97	22.03	91.03	268.28	-1,104.42	2,255.46	2,216.68	38.78	58.164	
11,950.00	11,808.34	11,935.52	11,809.34	21.99	22.05	91.45	268.28	-1,104.42	2,255.94	2,217.19	38.75	58.219	
12,000.00	11,852.12	11,979.30	11,853.12	22.01	22.08	91.90	268.28	-1,104.42	2,256.75	2,218.03	38.71	58.296	
12,050.00	11,893.63	12,020.81	11,894.63	22.03	22.10	92.36	268.28	-1,104.42	2,258.00	2,219.34	38.66	58.401	
12,100.00	11,932.55	12,059.74	11,933.55	22.05	22.12	92.80	268.28	-1,104.42	2,259.82	2,221.21	38.61	58.534	
12,150.00	11,968.60	12,110.34	11,984.11	22.09	22.14	93.41	266.42	-1,104.40	2,262.24	2,223.71	38.53	58.717	
12,200.00	12,001.49	12,167.49	12,040.75	22.13	22.16	94.08	258.99	-1,104.34	2,265.11	2,226.69	38.43	58.948	
12,250.00	12,030.97	12,231.10	12,102.56	22.19	22.16	94.80	244.14	-1,104.21	2,268.39	2,230.08	38.32	59.201	
12,300.00	12,056.82	12,303.01	12,169.98	22.26	22.15	95.57	219.22	-1,104.00	2,271.99	2,233.78	38.21	59.458	
12,350.00	12,078.85	12,385.62	12,242.84	22.35	22.12	96.41	180.46	-1,103.66	2,275.75	2,237.63	38.12	59.695	
12,400.00	12,096.88	12,481.70	12,319.53	22.47	22.08	97.31	122.78	-1,103.17	2,279.47	2,241.40	38.08	59.867	
12,450.00	12,110.78	12,593.85	12,395.39	22.60	22.06	98.23	40.41	-1,102.46	2,282.85	2,244.75	38.10	59.913	
12,500.00	12,120.45	12,723.15	12,461.00	22.75	22.10	99.03	-70.68	-1,101.50	2,285.52	2,247.28	38.24	59.767	
12,550.00	12,125.80	12,838.99	12,496.97	22.93	22.24	99.45	-180.55	-1,100.56	2,287.06	2,248.60	38.46	59.465	
12,581.47	12,126.94	12,956.84	12,510.90	23.05	22.48	99.64	-297.32	-1,099.55	2,287.34	2,248.61	38.73	59.065	
12,600.00	12,127.10	12,978.44	12,511.10	23.12	22.54	99.64	-318.91	-1,099.37	2,287.34	2,248.53	38.81	58.934	
12,700.00	12,127.97	13,078.44	12,511.98	23.56	22.84	99.64	-418.91	-1,098.51	2,287.34	2,247.96	39.38	58.089	
12,800.00	12,128.84	13,178.44	12,512.85	24.06	23.21	99.64	-518.90	-1,097.64	2,287.34	2,247.23	40.11	57.024	
12,900.00	12,129.71	13,278.44	12,513.72	24.61	23.63	99.64	-618.89	-1,096.78	2,287.34	2,246.33	41.01	55.773	
13,000.00	12,130.58	13,378.44	12,514.60	25.21	24.11	99.64	-718.88	-1,095.92	2,287.34	2,245.28	42.07	54.374	
13,100.00	12,131.46	13,478.44	12,515.47	25.87	24.64	99.64	-818.88	-1,095.06	2,287.34	2,244.08	43.27	52.867	
13,200.00	12,132.33	13,578.44	12,516.34	26.56	25.23	99.64	-918.87	-1,094.20	2,287.34	2,242.75	44.60	51.290	
13,300.00	12,133.20	13,678.44	12,517.22	27.30	25.86	99.64	-1,018.86	-1,093.34	2,287.35	2,241.30	46.05	49.673	
13,400.00	12,134.07	13,778.44	12,518.09	28.08	26.54	99.64	-1,118.85	-1,092.48	2,287.35	2,239.74	47.61	48.043	
13,500.00	12,134.94	13,878.44	12,518.96	28.90	27.27	99.64	-1,218.85	-1,091.62	2,287.35	2,238.08	49.27	46.424	
13,600.00	12,135.81	13,978.44	12,519.83	29.75	28.04	99.64	-1,318.84	-1,090.76	2,287.35	2,236.33	51.02	44.830	
13,700.00	12,136.69	14,078.44	12,520.71	30.63	28.85	99.64	-1,418.83	-1,089.90	2,287.35	2,234.49	52.85	43.277	
13,800.00	12,137.56	14,178.44	12,521.58	31.55	29.70	99.64	-1,518.82	-1,089.04	2,287.35	2,232.59	54.76	41.771	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,138.43	14,278.44	12,522.45	32.50	30.58	99.64	-1,618.82	-1,088.18	2,287.35	2,230.62	56.73	40.321	
14,000.00	12,139.30	14,378.44	12,523.33	33.47	31.50	99.64	-1,718.81	-1,087.32	2,287.35	2,228.59	58.76	38.928	
14,100.00	12,140.17	14,478.44	12,524.20	34.47	32.44	99.64	-1,818.80	-1,086.46	2,287.35	2,226.51	60.84	37.596	
14,200.00	12,141.04	14,578.44	12,525.07	35.49	33.42	99.64	-1,918.79	-1,085.60	2,287.35	2,224.38	62.97	36.325	
14,300.00	12,141.92	14,678.44	12,525.95	36.53	34.42	99.64	-2,018.79	-1,084.74	2,287.35	2,222.21	65.14	35.113	
14,400.00	12,142.79	14,778.44	12,526.82	37.59	35.44	99.64	-2,118.78	-1,083.87	2,287.35	2,220.00	67.35	33.961	
14,500.00	12,143.66	14,878.44	12,527.69	38.67	36.49	99.64	-2,218.77	-1,083.01	2,287.36	2,217.76	69.60	32.864	
14,600.00	12,144.53	14,978.44	12,528.57	39.77	37.56	99.64	-2,318.76	-1,082.15	2,287.36	2,215.48	71.88	31.823	
14,700.00	12,145.40	15,078.44	12,529.44	40.88	38.64	99.64	-2,418.76	-1,081.29	2,287.36	2,213.17	74.18	30.833	
14,800.00	12,146.27	15,178.44	12,530.31	42.01	39.75	99.64	-2,518.75	-1,080.43	2,287.36	2,210.84	76.52	29.893	
14,900.00	12,147.14	15,278.44	12,531.18	43.15	40.87	99.64	-2,618.74	-1,079.57	2,287.36	2,208.48	78.88	29.000	
15,000.00	12,148.02	15,378.44	12,532.06	44.31	42.00	99.64	-2,718.73	-1,078.71	2,287.36	2,206.11	81.25	28.151	
15,100.00	12,148.89	15,478.44	12,532.93	45.47	43.15	99.64	-2,818.73	-1,077.85	2,287.36	2,203.71	83.65	27.343	
15,200.00	12,149.76	15,578.44	12,533.80	46.65	44.31	99.64	-2,918.72	-1,076.99	2,287.36	2,201.29	86.07	26.576	
15,300.00	12,150.63	15,678.44	12,534.68	47.83	45.48	99.64	-3,018.71	-1,076.13	2,287.36	2,198.86	88.50	25.845	
15,400.00	12,151.50	15,778.44	12,535.55	49.03	46.67	99.64	-3,118.70	-1,075.27	2,287.36	2,196.41	90.95	25.149	
15,500.00	12,152.37	15,878.44	12,536.42	50.23	47.86	99.64	-3,218.70	-1,074.41	2,287.36	2,193.95	93.42	24.486	
15,600.00	12,153.25	15,978.44	12,537.30	51.45	49.06	99.64	-3,318.69	-1,073.55	2,287.37	2,191.47	95.89	23.853	
15,700.00	12,154.12	16,078.44	12,538.17	52.67	50.27	99.64	-3,418.68	-1,072.69	2,287.37	2,188.98	98.38	23.250	
15,800.00	12,154.99	16,178.44	12,539.04	53.89	51.49	99.64	-3,518.67	-1,071.83	2,287.37	2,186.49	100.88	22.674	
15,900.00	12,155.86	16,278.44	12,539.91	55.13	52.72	99.64	-3,618.66	-1,070.96	2,287.37	2,183.98	103.39	22.123	
16,000.00	12,156.73	16,378.44	12,540.79	56.37	53.95	99.64	-3,718.66	-1,070.10	2,287.37	2,181.46	105.91	21.597	
16,100.00	12,157.60	16,478.44	12,541.66	57.61	55.19	99.64	-3,818.65	-1,069.24	2,287.37	2,178.93	108.44	21.093	
16,200.00	12,158.48	16,578.44	12,542.53	58.86	56.44	99.64	-3,918.64	-1,068.38	2,287.37	2,176.39	110.98	20.611	
16,300.00	12,159.35	16,678.44	12,543.41	60.12	57.69	99.64	-4,018.63	-1,067.52	2,287.37	2,173.85	113.52	20.149	
16,400.00	12,160.22	16,778.44	12,544.28	61.38	58.95	99.64	-4,118.63	-1,066.66	2,287.37	2,171.30	116.07	19.706	
16,500.00	12,161.09	16,878.44	12,545.15	62.65	60.21	99.64	-4,218.62	-1,065.80	2,287.37	2,168.74	118.63	19.281	
16,600.00	12,161.96	16,978.44	12,546.03	63.92	61.48	99.64	-4,318.61	-1,064.94	2,287.37	2,166.18	121.20	18.873	
16,700.00	12,162.83	17,078.44	12,546.90	65.19	62.75	99.64	-4,418.60	-1,064.08	2,287.38	2,163.61	123.77	18.481	
16,800.00	12,163.71	17,178.44	12,547.77	66.47	64.03	99.64	-4,518.60	-1,063.22	2,287.38	2,161.03	126.35	18.104	
16,900.00	12,164.58	17,278.44	12,548.65	67.75	65.30	99.64	-4,618.59	-1,062.36	2,287.38	2,158.45	128.93	17.741	
17,000.00	12,165.45	17,378.44	12,549.52	69.04	66.59	99.64	-4,718.58	-1,061.50	2,287.38	2,155.86	131.52	17.392	
17,100.00	12,166.32	17,478.44	12,550.39	70.32	67.87	99.64	-4,818.57	-1,060.64	2,287.38	2,153.27	134.11	17.056	
17,200.00	12,167.19	17,578.44	12,551.26	71.61	69.16	99.64	-4,918.57	-1,059.78	2,287.38	2,150.67	136.70	16.732	
17,300.00	12,168.06	17,678.44	12,552.14	72.91	70.46	99.64	-5,018.56	-1,058.92	2,287.38	2,148.08	139.30	16.420	
17,400.00	12,168.94	17,778.44	12,553.01	74.21	71.75	99.64	-5,118.55	-1,058.06	2,287.38	2,145.47	141.91	16.119	
17,500.00	12,169.81	17,878.44	12,553.88	75.50	73.05	99.64	-5,218.54	-1,057.19	2,287.38	2,142.86	144.52	15.828	
17,600.00	12,170.68	17,978.44	12,554.76	76.81	74.35	99.64	-5,318.54	-1,056.33	2,287.38	2,140.25	147.13	15.547	
17,700.00	12,171.55	18,078.44	12,555.63	78.11	75.65	99.64	-5,418.53	-1,055.47	2,287.38	2,137.64	149.74	15.275	
17,800.00	12,172.42	18,178.44	12,556.50	79.42	76.96	99.64	-5,518.52	-1,054.61	2,287.38	2,135.02	152.36	15.013	
17,900.00	12,173.29	18,278.44	12,557.38	80.72	78.27	99.64	-5,618.51	-1,053.75	2,287.39	2,132.40	154.98	14.759	
18,000.00	12,174.17	18,378.44	12,558.25	82.03	79.58	99.64	-5,718.51	-1,052.89	2,287.39	2,129.78	157.61	14.513	
18,100.00	12,175.04	18,478.44	12,559.12	83.35	80.89	99.64	-5,818.50	-1,052.03	2,287.39	2,127.15	160.23	14.275	
18,200.00	12,175.91	18,578.44	12,559.99	84.66	82.20	99.64	-5,918.49	-1,051.17	2,287.39	2,124.52	162.86	14.045	
18,300.00	12,176.78	18,678.44	12,560.87	85.98	83.52	99.64	-6,018.48	-1,050.31	2,287.39	2,121.89	165.49	13.821	
18,400.00	12,177.65	18,778.44	12,561.74	87.29	84.84	99.64	-6,118.48	-1,049.45	2,287.39	2,119.26	168.13	13.605	
18,500.00	12,178.52	18,878.44	12,562.61	88.61	86.16	99.64	-6,218.47	-1,048.59	2,287.39	2,116.63	170.77	13.395	
18,600.00	12,179.39	18,978.44	12,563.49	89.93	87.48	99.64	-6,318.46	-1,047.73	2,287.39	2,113.99	173.40	13.191	
18,700.00	12,180.27	19,078.44	12,564.36	91.26	88.80	99.64	-6,418.45	-1,046.87	2,287.39	2,111.35	176.04	12.993	
18,800.00	12,181.14	19,178.44	12,565.23	92.58	90.12	99.64	-6,518.45	-1,046.01	2,287.39	2,108.71	178.69	12.801	
18,900.00	12,182.01	19,278.44	12,566.11	93.90	91.45	99.64	-6,618.44	-1,045.15	2,287.39	2,106.06	181.33	12.614	
19,000.00	12,182.88	19,378.44	12,566.98	95.23	92.77	99.64	-6,718.43	-1,044.28	2,287.40	2,103.42	183.98	12.433	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	12,183.75	19,478.44	12,567.85	96.56	94.10	99.64	-6,818.42	-1,043.42	2,287.40	2,100.77	186.62	12.257	
19,200.00	12,184.62	19,578.44	12,568.73	97.89	95.43	99.64	-6,918.42	-1,042.56	2,287.40	2,098.12	189.27	12.085	
19,300.00	12,185.50	19,678.44	12,569.60	99.22	96.76	99.64	-7,018.41	-1,041.70	2,287.40	2,095.47	191.93	11.918	
19,400.00	12,186.37	19,778.44	12,570.47	100.55	98.09	99.64	-7,118.40	-1,040.84	2,287.40	2,092.82	194.58	11.756	
19,500.00	12,187.24	19,878.44	12,571.34	101.88	99.42	99.64	-7,218.39	-1,039.98	2,287.40	2,090.17	197.23	11.598	
19,600.00	12,188.11	19,978.44	12,572.22	103.21	100.76	99.64	-7,318.39	-1,039.12	2,287.40	2,087.51	199.89	11.443	
19,700.00	12,188.98	20,078.44	12,573.09	104.54	102.09	99.64	-7,418.38	-1,038.26	2,287.40	2,084.86	202.54	11.293	
19,800.00	12,189.85	20,178.44	12,573.96	105.88	103.43	99.64	-7,518.37	-1,037.40	2,287.40	2,082.20	205.20	11.147	
19,900.00	12,190.73	20,278.44	12,574.84	107.21	104.76	99.64	-7,618.36	-1,036.54	2,287.40	2,079.54	207.86	11.005	
20,000.00	12,191.60	20,378.44	12,575.71	108.55	106.10	99.64	-7,718.36	-1,035.68	2,287.40	2,076.88	210.52	10.865	
20,100.00	12,192.47	20,478.44	12,576.58	109.89	107.44	99.64	-7,818.35	-1,034.82	2,287.40	2,074.22	213.18	10.730	
20,200.00	12,193.34	20,578.44	12,577.46	111.23	108.77	99.64	-7,918.34	-1,033.96	2,287.41	2,071.56	215.84	10.597	
20,300.00	12,194.21	20,678.44	12,578.33	112.56	110.11	99.64	-8,018.33	-1,033.10	2,287.41	2,068.90	218.51	10.468	
20,400.00	12,195.08	20,778.44	12,579.20	113.90	111.45	99.64	-8,118.33	-1,032.24	2,287.41	2,066.23	221.17	10.342	
20,500.00	12,195.96	20,878.44	12,580.07	115.24	112.79	99.64	-8,218.32	-1,031.38	2,287.41	2,063.57	223.84	10.219	
20,600.00	12,196.83	20,978.44	12,580.95	116.58	114.14	99.64	-8,318.31	-1,030.51	2,287.41	2,060.90	226.51	10.099	
20,700.00	12,197.70	21,078.44	12,581.82	117.93	115.48	99.64	-8,418.30	-1,029.65	2,287.41	2,058.24	229.17	9.981	
20,800.00	12,198.57	21,178.44	12,582.69	119.27	116.82	99.64	-8,518.30	-1,028.79	2,287.41	2,055.57	231.84	9.866	
20,900.00	12,199.44	21,278.44	12,583.57	120.61	118.16	99.64	-8,618.29	-1,027.93	2,287.41	2,052.90	234.51	9.754	
21,000.00	12,200.31	21,378.44	12,584.44	121.95	119.51	99.64	-8,718.28	-1,027.07	2,287.41	2,050.23	237.18	9.644	
21,100.00	12,201.19	21,478.44	12,585.31	123.30	120.85	99.64	-8,818.27	-1,026.21	2,287.41	2,047.56	239.85	9.537	
21,200.00	12,202.06	21,578.44	12,586.19	124.64	122.20	99.64	-8,918.27	-1,025.35	2,287.41	2,044.89	242.52	9.432	
21,300.00	12,202.93	21,678.44	12,587.06	125.99	123.54	99.64	-9,018.26	-1,024.49	2,287.42	2,042.22	245.20	9.329	
21,400.00	12,203.80	21,778.44	12,587.93	127.33	124.89	99.64	-9,118.25	-1,023.63	2,287.42	2,039.55	247.87	9.228	
21,500.00	12,204.67	21,878.44	12,588.81	128.68	126.24	99.64	-9,218.24	-1,022.77	2,287.42	2,036.88	250.54	9.130	
21,600.00	12,205.54	21,978.44	12,589.68	130.03	127.58	99.64	-9,318.24	-1,021.91	2,287.42	2,034.20	253.22	9.033	
21,700.00	12,206.41	22,078.44	12,590.55	131.37	128.93	99.64	-9,418.23	-1,021.05	2,287.42	2,031.53	255.89	8.939	
21,800.00	12,207.29	22,178.44	12,591.42	132.72	130.28	99.64	-9,518.22	-1,020.19	2,287.42	2,028.85	258.57	8.847	
21,900.00	12,208.16	22,278.44	12,592.30	134.07	131.63	99.64	-9,618.21	-1,019.33	2,287.42	2,026.18	261.24	8.756	
22,000.00	12,209.03	22,378.44	12,593.17	135.42	132.98	99.64	-9,718.21	-1,018.47	2,287.42	2,023.50	263.92	8.667	
22,100.00	12,209.90	22,478.44	12,594.04	136.77	134.33	99.64	-9,818.20	-1,017.60	2,287.42	2,020.82	266.60	8.580	
22,200.00	12,210.77	22,578.44	12,594.92	138.12	135.68	99.64	-9,918.19	-1,016.74	2,287.42	2,018.15	269.28	8.495	
22,300.00	12,211.64	22,678.44	12,595.79	139.47	137.03	99.64	-10,018.18	-1,015.88	2,287.42	2,015.47	271.95	8.411	
22,400.00	12,212.52	22,778.44	12,596.66	140.82	138.38	99.64	-10,118.18	-1,015.02	2,287.42	2,012.79	274.63	8.329	
22,500.00	12,213.39	22,878.44	12,597.54	142.17	139.73	99.64	-10,218.17	-1,014.16	2,287.43	2,010.11	277.31	8.249	
22,512.90	12,213.50	22,891.34	12,597.65	142.34	139.90	99.64	-10,231.06	-1,014.05	2,287.43	2,009.77	277.66	8.238	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	-90.00	0.00	-25.00	25.00				
100.00	100.00	100.00	100.00	0.98	0.98	-90.00	0.00	-25.00	25.00	23.04	1.96	12.741	
200.00	200.00	200.00	200.00	1.56	1.56	-90.00	0.00	-25.00	25.00	21.88	3.12	8.007	
300.00	300.00	300.00	300.00	1.98	1.98	-90.00	0.00	-25.00	25.00	21.04	3.96	6.309	CC, ES
400.00	399.99	399.99	399.99	2.41	2.33	-166.83	0.00	-25.00	26.27	21.54	4.74	5.547	
500.00	499.91	499.91	499.91	2.78	2.63	-168.52	0.00	-25.00	30.11	24.70	5.41	5.566	
600.00	599.69	599.69	599.69	3.12	2.91	-170.55	0.00	-25.00	36.54	30.52	6.02	6.071	
633.33	632.91	632.91	632.91	3.15	2.99	-171.20	0.00	-25.00	39.27	33.13	6.14	6.400	
700.00	699.32	699.32	699.32	3.25	3.16	-172.33	0.00	-25.00	45.02	38.61	6.41	7.022	
800.00	798.94	798.94	798.94	3.50	3.40	-173.57	0.00	-25.00	53.67	46.77	6.90	7.783	
900.00	898.56	898.56	898.56	3.74	3.62	-174.47	0.00	-25.00	62.34	54.98	7.36	8.472	
1,000.00	998.18	998.18	998.18	3.97	3.83	-175.15	0.00	-25.00	71.02	63.22	7.80	9.102	
1,100.00	1,097.80	1,097.80	1,097.80	4.20	4.03	-175.68	0.00	-25.00	79.71	71.47	8.23	9.683	
1,200.00	1,197.42	1,197.42	1,197.42	4.42	4.23	-176.10	0.00	-25.00	88.40	79.75	8.65	10.222	
1,300.00	1,297.04	1,297.04	1,297.04	4.64	4.41	-176.45	0.00	-25.00	97.10	88.04	9.05	10.725	
1,400.00	1,396.66	1,396.66	1,396.66	4.86	4.60	-176.74	0.00	-25.00	105.80	96.35	9.45	11.197	
1,500.00	1,496.28	1,496.28	1,496.28	5.07	4.77	-176.99	0.00	-25.00	114.50	104.66	9.84	11.641	
1,600.00	1,595.90	1,595.90	1,595.90	5.28	4.94	-177.21	0.00	-25.00	123.20	112.99	10.22	12.061	
1,700.00	1,695.52	1,695.52	1,695.52	5.48	5.11	-177.39	0.00	-25.00	131.91	121.32	10.59	12.459	
1,800.00	1,795.14	1,795.14	1,795.14	5.69	5.27	-177.55	0.00	-25.00	140.62	129.66	10.95	12.837	
1,900.00	1,894.76	1,894.76	1,894.76	5.89	5.43	-177.69	0.00	-25.00	149.33	138.01	11.32	13.197	
2,000.00	1,994.38	1,994.38	1,994.38	6.09	5.58	-177.82	0.00	-25.00	158.03	146.36	11.67	13.540	
2,100.00	2,094.00	2,094.00	2,094.00	6.29	5.73	-177.94	0.00	-25.00	166.74	154.72	12.02	13.869	
2,200.00	2,193.62	2,193.62	2,193.62	6.50	5.88	-178.04	0.00	-25.00	175.45	163.07	12.38	14.171	
2,206.41	2,200.00	2,200.00	2,200.00	6.52	5.89	-178.04	0.00	-25.00	176.01	163.61	12.40	14.190	
2,300.00	2,293.13	2,296.83	2,296.82	6.72	6.06	-177.91	0.93	-24.20	184.37	171.60	12.77	14.440	
2,400.00	2,392.34	2,400.41	2,400.32	6.95	6.24	-177.31	4.00	-21.59	193.77	180.60	13.16	14.719	
2,500.00	2,491.20	2,504.07	2,503.74	7.18	6.42	-176.31	9.20	-17.15	203.69	190.13	13.55	15.028	
2,600.00	2,589.63	2,607.75	2,606.98	7.41	6.60	-174.97	16.54	-10.89	214.20	200.26	13.94	15.368	
2,700.00	2,687.57	2,711.44	2,709.91	7.65	6.77	-173.35	26.01	-2.81	225.38	211.07	14.31	15.754	
2,800.00	2,784.94	2,811.39	2,808.90	7.88	6.87	-171.71	36.54	6.18	237.94	223.31	14.62	16.270	
2,873.30	2,855.92	2,883.74	2,880.55	8.02	6.98	-170.66	44.20	12.72	248.84	233.98	14.86	16.741	
2,900.00	2,881.71	2,910.06	2,906.61	8.06	7.02	-170.32	46.98	15.09	253.08	238.14	14.94	16.940	
3,000.00	2,978.30	3,008.64	3,004.23	8.28	7.16	-169.15	57.41	24.00	269.04	253.74	15.29	17.594	
3,100.00	3,074.89	3,107.22	3,101.85	8.49	7.31	-168.11	67.85	32.90	285.09	269.44	15.65	18.220	
3,200.00	3,171.49	3,205.80	3,199.47	8.71	7.46	-167.17	78.28	41.80	301.22	285.21	16.01	18.819	
3,300.00	3,268.08	3,304.37	3,297.09	8.93	7.62	-166.34	88.71	50.71	317.42	301.05	16.37	19.392	
3,400.00	3,364.67	3,402.95	3,394.71	9.16	7.77	-165.58	99.15	59.61	333.69	316.95	16.74	19.938	
3,500.00	3,461.26	3,501.53	3,492.33	9.42	7.93	-164.89	109.58	68.51	350.00	332.89	17.11	20.460	
3,600.00	3,557.85	3,600.11	3,589.94	9.70	8.09	-164.27	120.01	77.42	366.36	348.88	17.48	20.958	
3,700.00	3,654.44	3,698.68	3,687.56	10.00	8.25	-163.70	130.45	86.32	382.76	364.90	17.86	21.433	
3,800.00	3,751.03	3,797.26	3,785.18	10.30	8.41	-163.17	140.88	95.22	399.19	380.95	18.24	21.887	
3,900.00	3,847.62	3,895.84	3,882.80	10.61	8.58	-162.69	151.31	104.13	415.65	397.03	18.62	22.320	
4,000.00	3,944.21	3,994.42	3,980.42	10.93	8.74	-162.24	161.74	113.03	432.14	413.13	19.01	22.733	
4,100.00	4,040.80	4,092.99	4,078.04	11.25	8.91	-161.83	172.18	121.93	448.65	429.26	19.40	23.129	
4,200.00	4,137.40	4,191.57	4,175.66	11.57	9.07	-161.45	182.61	130.83	465.19	445.40	19.79	23.507	
4,300.00	4,233.99	4,290.15	4,273.27	11.89	9.24	-161.09	193.04	139.74	481.74	461.56	20.18	23.868	
4,400.00	4,330.58	4,388.73	4,370.89	12.21	9.41	-160.75	203.48	148.64	498.31	477.73	20.58	24.213	
4,500.00	4,427.17	4,487.30	4,468.51	12.54	9.58	-160.44	213.91	157.54	514.89	493.92	20.98	24.544	
4,600.00	4,523.76	4,585.88	4,566.13	12.87	9.75	-160.15	224.34	166.45	531.49	510.11	21.38	24.861	
4,700.00	4,620.35	4,684.46	4,663.75	13.20	9.92	-159.87	234.78	175.35	548.10	526.32	21.78	25.164	
4,800.00	4,716.94	4,783.04	4,761.37	13.53	10.09	-159.61	245.21	184.25	564.73	542.54	22.19	25.455	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,876.64	4,854.12	13.86	10.24	-159.42	254.78	192.42	581.63	559.08	22.55	25.787	
5,000.00	4,910.12	4,967.12	4,944.02	14.19	10.41	-159.40	262.51	199.02	599.77	576.84	22.93	26.161	
5,100.00	5,006.72	5,057.11	5,033.65	14.53	10.57	-159.55	268.59	204.21	619.21	595.92	23.29	26.588	
5,200.00	5,103.31	5,146.51	5,122.87	14.86	10.73	-159.85	273.04	208.00	639.96	616.33	23.64	27.075	
5,300.00	5,199.90	5,235.25	5,211.52	15.20	10.88	-160.28	275.88	210.43	662.04	638.07	23.97	27.621	
5,400.00	5,296.49	5,323.22	5,299.48	15.53	11.00	-160.83	277.15	211.51	685.47	661.20	24.27	28.240	
5,500.00	5,393.08	5,416.82	5,393.08	15.87	11.07	-161.48	277.23	211.58	709.99	685.44	24.55	28.918	
5,600.00	5,489.67	5,513.41	5,489.67	16.21	11.16	-162.12	277.23	211.58	734.66	709.79	24.87	29.542	
5,700.00	5,586.26	5,610.01	5,586.26	16.55	11.25	-162.72	277.23	211.58	759.42	734.23	25.19	30.153	
5,800.00	5,682.85	5,706.60	5,682.85	16.89	11.34	-163.28	277.23	211.58	784.25	758.74	25.50	30.752	
5,900.00	5,779.44	5,803.19	5,779.44	17.23	11.43	-163.81	277.23	211.58	809.14	783.32	25.82	31.339	
5,915.24	5,794.17	5,817.91	5,794.17	17.27	11.44	-163.88	277.23	211.58	812.94	787.08	25.86	31.434	
6,000.00	5,876.27	5,900.02	5,876.27	17.54	11.52	-164.37	277.23	211.58	833.22	807.09	26.13	31.893	
6,100.00	5,973.71	5,997.46	5,973.71	17.85	11.61	-164.86	277.23	211.58	854.91	828.47	26.45	32.326	
6,200.00	6,071.71	6,095.45	6,071.71	18.12	11.70	-165.28	277.23	211.58	874.17	847.41	26.76	32.665	
6,300.00	6,170.19	6,193.94	6,170.19	18.37	11.79	-165.62	277.23	211.58	890.97	863.90	27.07	32.913	
6,400.00	6,269.10	6,292.84	6,269.10	18.59	11.89	-165.91	277.23	211.58	905.27	877.90	27.37	33.072	
6,500.00	6,368.35	6,392.09	6,368.35	18.78	11.98	-166.14	277.23	211.58	917.07	889.41	27.67	33.147	
6,600.00	6,467.89	6,491.63	6,467.89	18.94	12.07	-166.31	277.23	211.58	926.35	898.40	27.95	33.142	
6,700.00	6,567.65	6,591.39	6,567.65	19.07	12.16	-166.44	277.23	211.58	933.10	904.88	28.22	33.060	
6,800.00	6,667.55	6,691.29	6,667.55	19.18	12.25	-166.51	277.23	211.58	937.31	908.83	28.48	32.908	
6,900.00	6,767.53	6,791.28	6,767.53	19.26	12.35	-166.54	277.23	211.58	938.98	910.27	28.72	32.699	
6,915.47	6,783.00	6,806.74	6,783.00	19.26	12.36	-90.39	277.23	211.58	939.01	910.27	28.74	32.676	
7,000.00	6,867.53	6,891.28	6,867.53	19.30	12.44	-90.39	277.23	211.58	939.01	910.16	28.85	32.549	
7,100.00	6,967.53	6,991.28	6,967.53	19.35	12.53	-90.39	277.23	211.58	939.01	910.02	28.99	32.389	
7,200.00	7,067.53	7,091.28	7,067.53	19.40	12.62	-90.39	277.23	211.58	939.01	909.88	29.13	32.231	
7,300.00	7,167.53	7,191.28	7,167.53	19.45	12.71	-90.39	277.23	211.58	939.01	909.73	29.28	32.074	
7,400.00	7,267.53	7,291.28	7,267.53	19.50	12.81	-90.39	277.23	211.58	939.01	909.59	29.42	31.918	
7,500.00	7,367.53	7,391.28	7,367.53	19.55	12.90	-90.39	277.23	211.58	939.01	909.45	29.56	31.764	
7,600.00	7,467.53	7,491.28	7,467.53	19.60	12.99	-90.39	277.23	211.58	939.01	909.31	29.71	31.611	
7,700.00	7,567.53	7,591.28	7,567.53	19.65	13.08	-90.39	277.23	211.58	939.01	909.16	29.85	31.460	
7,800.00	7,667.53	7,691.28	7,667.53	19.71	13.17	-90.39	277.23	211.58	939.01	909.02	29.99	31.310	
7,900.00	7,767.53	7,791.28	7,767.53	19.76	13.26	-90.39	277.23	211.58	939.01	908.88	30.13	31.161	
8,000.00	7,867.53	7,891.28	7,867.53	19.81	13.35	-90.39	277.23	211.58	939.01	908.73	30.28	31.013	
8,100.00	7,967.53	7,991.28	7,967.53	19.86	13.44	-90.39	277.23	211.58	939.01	908.59	30.42	30.867	
8,200.00	8,067.53	8,091.28	8,067.53	19.92	13.53	-90.39	277.23	211.58	939.01	908.45	30.56	30.722	
8,300.00	8,167.53	8,191.28	8,167.53	19.97	13.62	-90.39	277.23	211.58	939.01	908.30	30.71	30.578	
8,400.00	8,267.53	8,291.28	8,267.53	20.02	13.71	-90.39	277.23	211.58	939.01	908.16	30.85	30.436	
8,500.00	8,367.53	8,391.28	8,367.53	20.08	13.80	-90.39	277.23	211.58	939.01	908.02	31.00	30.295	
8,600.00	8,467.53	8,491.28	8,467.53	20.13	13.89	-90.39	277.23	211.58	939.01	907.87	31.14	30.155	
8,700.00	8,567.53	8,591.28	8,567.53	20.18	13.98	-90.39	277.23	211.58	939.01	907.73	31.28	30.016	
8,800.00	8,667.53	8,691.28	8,667.53	20.24	14.07	-90.39	277.23	211.58	939.01	907.58	31.43	29.878	
8,900.00	8,767.53	8,791.28	8,767.53	20.29	14.16	-90.39	277.23	211.58	939.01	907.44	31.57	29.742	
9,000.00	8,867.53	8,891.28	8,867.53	20.35	14.25	-90.39	277.23	211.58	939.01	907.29	31.72	29.606	
9,100.00	8,967.53	8,991.28	8,967.53	20.40	14.34	-90.39	277.23	211.58	939.01	907.15	31.86	29.472	
9,200.00	9,067.53	9,091.28	9,067.53	20.45	14.43	-90.39	277.23	211.58	939.01	907.01	32.01	29.339	
9,300.00	9,167.53	9,191.28	9,167.53	20.51	14.52	-90.39	277.23	211.58	939.01	906.86	32.15	29.207	
9,400.00	9,267.53	9,291.28	9,267.53	20.56	14.61	-90.39	277.23	211.58	939.01	906.72	32.30	29.076	
9,500.00	9,367.53	9,391.28	9,367.53	20.62	14.70	-90.39	277.23	211.58	939.01	906.57	32.44	28.946	
9,600.00	9,467.53	9,491.28	9,467.53	20.68	14.79	-90.39	277.23	211.58	939.01	906.43	32.59	28.817	
9,700.00	9,567.53	9,591.28	9,567.53	20.73	14.88	-90.39	277.23	211.58	939.01	906.28	32.73	28.689	
9,800.00	9,667.53	9,691.28	9,667.53	20.79	14.97	-90.39	277.23	211.58	939.01	906.14	32.88	28.562	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,791.28	9,767.53	20.84	15.06	-90.39	277.23	211.58	939.01	905.99	33.02	28.437	
10,000.00	9,867.53	9,891.28	9,867.53	20.90	15.14	-90.39	277.23	211.58	939.01	905.85	33.17	28.312	
10,100.00	9,967.53	9,991.28	9,967.53	20.95	15.23	-90.39	277.23	211.58	939.01	905.70	33.31	28.188	
10,200.00	10,067.53	10,091.28	10,067.53	21.01	15.32	-90.39	277.23	211.58	939.01	905.55	33.46	28.066	
10,300.00	10,167.53	10,191.28	10,167.53	21.07	15.41	-90.39	277.23	211.58	939.01	905.41	33.60	27.944	
10,400.00	10,267.53	10,291.28	10,267.53	21.12	15.50	-90.39	277.23	211.58	939.01	905.26	33.75	27.823	
10,500.00	10,367.53	10,391.28	10,367.53	21.18	15.59	-90.39	277.23	211.58	939.01	905.12	33.90	27.703	
10,600.00	10,467.53	10,491.28	10,467.53	21.24	15.68	-90.39	277.23	211.58	939.01	904.97	34.04	27.584	
10,700.00	10,567.53	10,591.28	10,567.53	21.30	15.76	-90.39	277.23	211.58	939.01	904.82	34.19	27.466	
10,800.00	10,667.53	10,691.28	10,667.53	21.35	15.85	-90.39	277.23	211.58	939.01	904.68	34.33	27.349	
10,900.00	10,767.53	10,791.28	10,767.53	21.41	15.94	-90.39	277.23	211.58	939.01	904.53	34.48	27.233	
11,000.00	10,867.53	10,891.28	10,867.53	21.47	16.03	-90.39	277.23	211.58	939.01	904.38	34.63	27.118	
11,100.00	10,967.53	10,991.28	10,967.53	21.53	16.12	-90.39	277.23	211.58	939.01	904.24	34.77	27.004	
11,200.00	11,067.53	11,091.28	11,067.53	21.58	16.20	-90.39	277.23	211.58	939.01	904.09	34.92	26.890	
11,300.00	11,167.53	11,191.28	11,167.53	21.64	16.29	-90.39	277.23	211.58	939.01	903.94	35.07	26.777	
11,400.00	11,267.53	11,291.28	11,267.53	21.70	16.38	-90.39	277.23	211.58	939.01	903.80	35.21	26.666	
11,500.00	11,367.53	11,391.28	11,367.53	21.76	16.47	-90.39	277.23	211.58	939.01	903.65	35.36	26.555	
11,600.00	11,467.53	11,491.28	11,467.53	21.82	16.56	-90.39	277.23	211.58	939.01	903.50	35.51	26.445	
11,686.47	11,554.00	11,577.74	11,554.00	21.86	16.63	-90.39	277.23	211.58	939.01	903.38	35.63	26.355	
11,700.00	11,567.53	11,591.27	11,567.53	21.86	16.64	90.11	277.23	211.58	939.01	903.37	35.64	26.346	
11,750.00	11,617.40	11,641.15	11,617.40	21.90	16.69	90.32	277.23	211.58	939.02	903.35	35.67	26.322	
11,800.00	11,666.79	11,690.53	11,666.79	21.93	16.73	90.77	277.23	211.58	939.10	903.40	35.70	26.307	
11,850.00	11,715.32	11,739.06	11,715.32	21.95	16.77	91.46	277.23	211.58	939.34	903.63	35.71	26.303	
11,900.00	11,762.62	11,786.37	11,762.62	21.97	16.81	92.33	277.23	211.58	939.91	904.19	35.72	26.315	
11,950.00	11,808.34	11,832.08	11,808.34	21.99	16.85	93.34	277.23	211.58	941.01	905.29	35.72	26.348	
12,000.00	11,852.12	11,875.86	11,852.12	22.01	16.89	94.44	277.23	211.58	942.88	907.18	35.70	26.408	
12,050.00	11,893.63	11,917.37	11,893.63	22.03	16.93	95.55	277.23	211.58	945.81	910.13	35.68	26.506	
12,100.00	11,932.55	11,956.30	11,932.55	22.05	16.95	96.59	277.23	211.58	950.07	914.42	35.65	26.650	
12,150.00	11,968.60	12,003.94	11,980.17	22.09	16.97	97.96	276.02	211.59	955.80	920.20	35.60	26.852	
12,200.00	12,001.49	12,060.01	12,035.85	22.13	17.00	99.52	269.66	211.65	962.66	927.14	35.52	27.102	
12,250.00	12,030.97	12,122.42	12,096.77	22.19	17.03	101.18	256.21	211.76	970.49	935.02	35.47	27.364	
12,300.00	12,056.82	12,193.08	12,163.50	22.26	17.06	102.97	233.10	211.96	979.07	943.60	35.47	27.599	
12,350.00	12,078.85	12,274.49	12,236.16	22.35	17.10	104.91	196.55	212.27	988.06	952.46	35.61	27.749	
12,400.00	12,096.88	12,369.67	12,313.53	22.47	17.15	106.99	141.30	212.75	996.98	961.03	35.95	27.731	
12,450.00	12,110.78	12,481.69	12,391.37	22.60	17.21	109.11	61.00	213.44	1,005.14	968.54	36.60	27.461	
12,500.00	12,120.45	12,587.77	12,449.02	22.75	17.28	110.57	-27.83	214.21	1,011.61	974.25	37.36	27.079	
12,550.00	12,125.80	12,759.12	12,505.88	22.93	17.44	112.24	-188.71	215.59	1,015.59	976.72	38.87	26.127	
12,581.47	12,126.94	12,856.47	12,515.87	23.05	17.58	112.50	-285.43	216.42	1,016.39	976.71	39.68	25.613	
12,600.00	12,127.10	12,878.57	12,516.08	23.12	17.62	112.50	-307.54	216.62	1,016.40	976.57	39.83	25.521	
12,700.00	12,127.97	12,978.57	12,516.96	23.56	17.86	112.50	-407.53	217.48	1,016.40	975.86	40.54	25.069	
12,800.00	12,128.84	13,078.57	12,517.83	24.06	18.21	112.50	-507.52	218.34	1,016.40	974.99	41.41	24.547	
12,900.00	12,129.71	13,178.57	12,518.70	24.61	18.66	112.50	-607.51	219.20	1,016.40	974.00	42.41	23.969	
13,000.00	12,130.58	13,278.57	12,519.58	25.21	19.24	112.50	-707.51	220.06	1,016.40	972.87	43.53	23.348	
13,100.00	12,131.46	13,378.57	12,520.45	25.87	19.91	112.50	-807.50	220.92	1,016.40	971.63	44.78	22.699	
13,200.00	12,132.33	13,478.57	12,521.32	26.56	20.66	112.50	-907.49	221.78	1,016.40	970.27	46.13	22.033	
13,300.00	12,133.20	13,578.57	12,522.20	27.30	21.48	112.50	-1,007.48	222.64	1,016.40	968.82	47.58	21.361	
13,400.00	12,134.07	13,678.57	12,523.07	28.08	22.37	112.50	-1,107.48	223.50	1,016.41	967.28	49.13	20.690	
13,500.00	12,134.94	13,778.57	12,523.94	28.90	23.31	112.50	-1,207.47	224.36	1,016.41	965.66	50.75	20.027	
13,600.00	12,135.81	13,878.57	12,524.82	29.75	24.29	112.50	-1,307.46	225.22	1,016.41	963.96	52.45	19.379	
13,700.00	12,136.69	13,978.57	12,525.69	30.63	25.31	112.50	-1,407.45	226.09	1,016.41	962.19	54.22	18.747	
13,800.00	12,137.56	14,078.57	12,526.56	31.55	26.36	112.50	-1,507.45	226.95	1,016.41	960.37	56.04	18.136	
13,900.00	12,138.43	14,178.57	12,527.44	32.50	27.44	112.50	-1,607.44	227.81	1,016.41	958.48	57.93	17.547	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,139.30	14,278.57	12,528.31	33.47	28.55	112.50	-1,707.43	228.67	1,016.41	956.55	59.86	16.980	
14,100.00	12,140.17	14,378.57	12,529.18	34.47	29.68	112.50	-1,807.42	229.53	1,016.41	954.58	61.84	16.437	
14,200.00	12,141.04	14,478.57	12,530.06	35.49	30.83	112.50	-1,907.42	230.39	1,016.41	952.56	63.86	15.917	
14,300.00	12,141.92	14,578.57	12,530.93	36.53	31.99	112.50	-2,007.41	231.25	1,016.41	950.50	65.91	15.421	
14,400.00	12,142.79	14,678.57	12,531.80	37.59	33.18	112.50	-2,107.40	232.11	1,016.42	948.41	68.00	14.947	
14,500.00	12,143.66	14,778.57	12,532.68	38.67	34.38	112.50	-2,207.39	232.97	1,016.42	946.29	70.12	14.495	
14,600.00	12,144.53	14,878.57	12,533.55	39.77	35.59	112.50	-2,307.39	233.83	1,016.42	944.15	72.27	14.064	
14,700.00	12,145.40	14,978.57	12,534.42	40.88	36.81	112.50	-2,407.38	234.70	1,016.42	941.97	74.45	13.653	
14,800.00	12,146.27	15,078.57	12,535.30	42.01	38.04	112.50	-2,507.37	235.56	1,016.42	939.78	76.64	13.262	
14,900.00	12,147.14	15,178.57	12,536.17	43.15	39.28	112.50	-2,607.36	236.42	1,016.42	937.56	78.86	12.888	
15,000.00	12,148.02	15,278.57	12,537.04	44.31	40.53	112.50	-2,707.36	237.28	1,016.42	935.32	81.10	12.533	
15,100.00	12,148.89	15,378.57	12,537.92	45.47	41.79	112.50	-2,807.35	238.14	1,016.42	933.06	83.36	12.193	
15,200.00	12,149.76	15,478.57	12,538.79	46.65	43.05	112.50	-2,907.34	239.00	1,016.42	930.79	85.63	11.869	
15,300.00	12,150.63	15,578.57	12,539.67	47.83	44.32	112.50	-3,007.33	239.86	1,016.42	928.50	87.92	11.560	
15,400.00	12,151.50	15,678.57	12,540.54	49.03	45.60	112.50	-3,107.33	240.72	1,016.43	926.20	90.23	11.265	
15,500.00	12,152.37	15,778.57	12,541.41	50.23	46.88	112.51	-3,207.32	241.58	1,016.43	923.88	92.54	10.983	
15,600.00	12,153.25	15,878.57	12,542.29	51.45	48.17	112.51	-3,307.31	242.44	1,016.43	921.55	94.87	10.713	
15,700.00	12,154.12	15,978.57	12,543.16	52.67	49.46	112.51	-3,407.30	243.31	1,016.43	919.21	97.21	10.455	
15,800.00	12,154.99	16,078.57	12,544.03	53.89	50.75	112.51	-3,507.30	244.17	1,016.43	916.86	99.57	10.209	
15,900.00	12,155.86	16,178.57	12,544.91	55.13	52.05	112.51	-3,607.29	245.03	1,016.43	914.50	101.93	9.972	
16,000.00	12,156.73	16,278.57	12,545.78	56.37	53.35	112.51	-3,707.28	245.89	1,016.43	912.13	104.30	9.746	
16,100.00	12,157.60	16,378.57	12,546.65	57.61	54.66	112.51	-3,807.27	246.75	1,016.43	909.76	106.68	9.528	
16,200.00	12,158.48	16,478.57	12,547.53	58.86	55.97	112.51	-3,907.26	247.61	1,016.43	907.37	109.06	9.320	
16,300.00	12,159.35	16,578.57	12,548.40	60.12	57.28	112.51	-4,007.26	248.47	1,016.43	904.98	111.46	9.120	
16,400.00	12,160.22	16,678.57	12,549.27	61.38	58.60	112.51	-4,107.25	249.33	1,016.43	902.58	113.86	8.927	
16,500.00	12,161.09	16,778.57	12,550.15	62.65	59.91	112.51	-4,207.24	250.19	1,016.44	900.17	116.27	8.742	
16,600.00	12,161.96	16,878.57	12,551.02	63.92	61.23	112.51	-4,307.23	251.05	1,016.44	897.76	118.68	8.565	
16,700.00	12,162.83	16,978.57	12,551.89	65.19	62.55	112.51	-4,407.23	251.92	1,016.44	895.34	121.10	8.393	
16,800.00	12,163.71	17,078.57	12,552.77	66.47	63.88	112.51	-4,507.22	252.78	1,016.44	892.91	123.52	8.229	
16,900.00	12,164.58	17,178.57	12,553.64	67.75	65.20	112.51	-4,607.21	253.64	1,016.44	890.49	125.95	8.070	
17,000.00	12,165.45	17,278.57	12,554.51	69.04	66.53	112.51	-4,707.20	254.50	1,016.44	888.05	128.39	7.917	
17,100.00	12,166.32	17,378.57	12,555.39	70.32	67.86	112.51	-4,807.20	255.36	1,016.44	885.61	130.83	7.769	
17,200.00	12,167.19	17,478.57	12,556.26	71.61	69.19	112.51	-4,907.19	256.22	1,016.44	883.17	133.27	7.627	
17,300.00	12,168.06	17,578.57	12,557.13	72.91	70.52	112.51	-5,007.18	257.08	1,016.44	880.72	135.72	7.489	
17,400.00	12,168.94	17,678.57	12,558.01	74.21	71.86	112.51	-5,107.17	257.94	1,016.44	878.27	138.17	7.356	
17,500.00	12,169.81	17,778.57	12,558.88	75.50	73.19	112.51	-5,207.17	258.80	1,016.45	875.82	140.63	7.228	
17,600.00	12,170.68	17,878.57	12,559.75	76.81	74.53	112.51	-5,307.16	259.66	1,016.45	873.36	143.09	7.104	
17,700.00	12,171.55	17,978.57	12,560.63	78.11	75.86	112.51	-5,407.15	260.52	1,016.45	870.90	145.55	6.983	
17,800.00	12,172.42	18,078.57	12,561.50	79.42	77.20	112.51	-5,507.14	261.39	1,016.45	868.43	148.02	6.867	
17,900.00	12,173.29	18,178.57	12,562.37	80.72	78.54	112.51	-5,607.14	262.25	1,016.45	865.96	150.48	6.754	
18,000.00	12,174.17	18,278.57	12,563.25	82.03	79.88	112.51	-5,707.13	263.11	1,016.45	863.49	152.96	6.645	
18,100.00	12,175.04	18,378.57	12,564.12	83.35	81.23	112.51	-5,807.12	263.97	1,016.45	861.02	155.43	6.540	
18,200.00	12,175.91	18,478.57	12,564.99	84.66	82.57	112.51	-5,907.11	264.83	1,016.45	858.55	157.91	6.437	
18,300.00	12,176.78	18,578.57	12,565.87	85.98	83.91	112.51	-6,007.11	265.69	1,016.45	856.07	160.39	6.338	
18,400.00	12,177.65	18,678.57	12,566.74	87.29	85.26	112.51	-6,107.10	266.55	1,016.45	853.59	162.87	6.241	
18,500.00	12,178.52	18,778.57	12,567.61	88.61	86.60	112.51	-6,207.09	267.41	1,016.46	851.10	165.35	6.147	
18,600.00	12,179.39	18,878.57	12,568.49	89.93	87.95	112.51	-6,307.08	268.27	1,016.46	848.62	167.84	6.056	
18,700.00	12,180.27	18,978.57	12,569.36	91.26	89.29	112.51	-6,407.08	269.13	1,016.46	846.13	170.33	5.968	
18,800.00	12,181.14	19,078.57	12,570.23	92.58	90.64	112.51	-6,507.07	270.00	1,016.46	843.64	172.82	5.882	
18,900.00	12,182.01	19,178.57	12,571.11	93.90	91.99	112.51	-6,607.06	270.86	1,016.46	841.15	175.31	5.798	
19,000.00	12,182.88	19,278.57	12,571.98	95.23	93.34	112.51	-6,707.05	271.72	1,016.46	838.66	177.80	5.717	
19,100.00	12,183.75	19,378.57	12,572.85	96.56	94.69	112.51	-6,807.05	272.58	1,016.46	836.16	180.30	5.638	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	12,184.62	19,478.57	12,573.73	97.89	96.04	112.51	-6,907.04	273.44	1,016.46	833.67	182.79	5.561	
19,300.00	12,185.50	19,578.57	12,574.60	99.22	97.39	112.51	-7,007.03	274.30	1,016.46	831.17	185.29	5.486	
19,400.00	12,186.37	19,678.57	12,575.47	100.55	98.74	112.51	-7,107.02	275.16	1,016.46	828.67	187.79	5.413	
19,500.00	12,187.24	19,778.57	12,576.35	101.88	100.09	112.51	-7,207.02	276.02	1,016.46	826.17	190.29	5.342	
19,600.00	12,188.11	19,878.57	12,577.22	103.21	101.44	112.51	-7,307.01	276.88	1,016.47	823.67	192.80	5.272	
19,700.00	12,188.98	19,978.57	12,578.09	104.54	102.79	112.51	-7,407.00	277.74	1,016.47	821.17	195.30	5.205	
19,800.00	12,189.85	20,078.57	12,578.97	105.88	104.15	112.51	-7,506.99	278.61	1,016.47	818.66	197.81	5.139	
19,900.00	12,190.73	20,178.57	12,579.84	107.21	105.50	112.51	-7,606.99	279.47	1,016.47	816.16	200.31	5.074	
20,000.00	12,191.60	20,278.57	12,580.71	108.55	106.85	112.51	-7,706.98	280.33	1,016.47	813.65	202.82	5.012	
20,100.00	12,192.47	20,378.57	12,581.59	109.89	108.21	112.51	-7,806.97	281.19	1,016.47	811.14	205.33	4.950	
20,200.00	12,193.34	20,478.57	12,582.46	111.23	109.56	112.51	-7,906.96	282.05	1,016.47	808.63	207.84	4.891	
20,300.00	12,194.21	20,578.57	12,583.34	112.56	110.92	112.51	-8,006.96	282.91	1,016.47	806.12	210.35	4.832	
20,400.00	12,195.08	20,678.57	12,584.21	113.90	112.27	112.51	-8,106.95	283.77	1,016.47	803.61	212.86	4.775	
20,500.00	12,195.96	20,778.57	12,585.08	115.24	113.63	112.51	-8,206.94	284.63	1,016.47	801.10	215.38	4.719	
20,600.00	12,196.83	20,878.57	12,585.96	116.58	114.98	112.51	-8,306.93	285.49	1,016.48	798.58	217.89	4.665	
20,700.00	12,197.70	20,978.57	12,586.83	117.93	116.34	112.51	-8,406.93	286.35	1,016.48	796.07	220.41	4.612	
20,800.00	12,198.57	21,078.57	12,587.70	119.27	117.70	112.51	-8,506.92	287.22	1,016.48	793.55	222.92	4.560	
20,900.00	12,199.44	21,178.57	12,588.58	120.61	119.05	112.51	-8,606.91	288.08	1,016.48	791.04	225.44	4.509	
21,000.00	12,200.31	21,278.57	12,589.45	121.95	120.41	112.51	-8,706.90	288.94	1,016.48	788.52	227.96	4.459	
21,100.00	12,201.19	21,378.57	12,590.32	123.30	121.77	112.51	-8,806.90	289.80	1,016.48	786.00	230.48	4.410	
21,200.00	12,202.06	21,478.57	12,591.20	124.64	123.13	112.51	-8,906.89	290.66	1,016.48	783.48	233.00	4.363	
21,300.00	12,202.93	21,578.57	12,592.07	125.99	124.48	112.51	-9,006.88	291.52	1,016.48	780.96	235.52	4.316	
21,400.00	12,203.80	21,678.57	12,592.94	127.33	125.84	112.51	-9,106.87	292.38	1,016.48	778.44	238.04	4.270	
21,500.00	12,204.67	21,778.57	12,593.82	128.68	127.20	112.51	-9,206.87	293.24	1,016.48	775.92	240.56	4.225	
21,600.00	12,205.54	21,878.57	12,594.69	130.03	128.56	112.51	-9,306.86	294.10	1,016.49	773.40	243.08	4.182	
21,700.00	12,206.41	21,978.57	12,595.56	131.37	129.92	112.51	-9,406.85	294.96	1,016.49	770.88	245.61	4.139	
21,800.00	12,207.29	22,078.57	12,596.44	132.72	131.28	112.51	-9,506.84	295.82	1,016.49	768.36	248.13	4.097	
21,900.00	12,208.16	22,178.57	12,597.31	134.07	132.64	112.51	-9,606.84	296.69	1,016.49	765.83	250.66	4.055	
22,000.00	12,209.03	22,278.57	12,598.18	135.42	134.00	112.51	-9,706.83	297.55	1,016.49	763.31	253.18	4.015	
22,100.00	12,209.90	22,378.57	12,599.06	136.77	135.36	112.51	-9,806.82	298.41	1,016.49	760.78	255.71	3.975	
22,200.00	12,210.77	22,478.57	12,599.93	138.12	136.72	112.51	-9,906.81	299.27	1,016.49	758.26	258.23	3.936	
22,300.00	12,211.64	22,578.57	12,600.80	139.47	138.08	112.51	-10,006.81	300.13	1,016.49	755.73	260.76	3.898	
22,400.00	12,212.52	22,678.57	12,601.68	140.82	139.44	112.51	-10,106.80	300.99	1,016.49	753.21	263.29	3.861	
22,500.00	12,213.39	22,778.57	12,602.55	142.17	140.80	112.51	-10,206.79	301.85	1,016.49	750.68	265.81	3.824	
22,512.90	12,213.50	22,791.47	12,602.66	142.34	140.97	112.51	-10,219.69	301.96	1,016.49	750.35	266.14	3.819	SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
900.00	898.56	1,036.86	1,035.66	3.74	3.94	-5.98	825.67	2,307.96	2,417.41	2,409.85	7.56	319.871	
1,000.00	998.18	1,135.68	1,134.10	3.97	4.15	-5.84	817.58	2,305.02	2,403.19	2,395.20	7.99	300.673	
1,100.00	1,097.80	1,234.49	1,232.55	4.20	4.32	-5.70	809.49	2,302.07	2,388.99	2,380.61	8.38	284.917	
1,200.00	1,197.42	1,466.60	1,463.33	4.42	4.75	-5.37	788.62	2,289.43	2,372.52	2,363.52	9.00	263.538	
1,300.00	1,297.04	1,677.33	1,671.51	4.64	5.22	-5.06	765.92	2,266.22	2,349.49	2,339.83	9.66	243.271	
1,400.00	1,396.66	1,966.55	1,954.09	4.86	5.88	-4.63	729.29	2,217.09	2,320.31	2,309.86	10.45	222.088	
1,500.00	1,496.28	2,088.11	2,071.57	5.07	6.11	-4.44	712.19	2,190.98	2,287.02	2,276.15	10.88	210.290	
1,600.00	1,595.90	2,182.20	2,162.45	5.28	6.33	-4.29	698.89	2,170.58	2,253.64	2,242.36	11.28	199.808	
1,700.00	1,695.52	2,276.30	2,253.34	5.48	6.57	-4.14	685.60	2,150.17	2,220.28	2,208.59	11.69	189.863	
1,800.00	1,795.14	2,370.39	2,344.23	5.69	6.84	-3.97	672.30	2,129.77	2,186.93	2,174.84	12.10	180.784	
1,900.00	1,894.76	2,464.49	2,435.12	5.89	7.12	-3.81	659.00	2,109.36	2,153.60	2,141.10	12.50	172.228	
2,000.00	1,994.38	2,558.58	2,526.01	6.09	7.40	-3.64	645.70	2,088.96	2,120.28	2,107.37	12.91	164.206	
2,100.00	2,094.00	2,652.68	2,616.90	6.29	7.70	-3.46	632.41	2,068.55	2,086.99	2,073.66	13.32	156.673	
2,200.00	2,193.62	2,746.77	2,707.78	6.50	7.99	-3.28	619.11	2,048.15	2,053.71	2,039.97	13.74	149.475	
2,206.41	2,200.00	2,752.80	2,713.61	6.52	8.01	-3.27	618.26	2,046.84	2,051.57	2,037.81	13.77	149.028	
2,300.00	2,293.13	2,840.48	2,798.30	6.72	8.29	-3.12	605.87	2,027.83	2,019.37	2,005.20	14.16	142.566	
2,400.00	2,392.34	2,933.28	2,887.93	6.95	8.59	-2.97	592.76	2,007.71	1,982.61	1,968.00	14.61	135.743	
2,500.00	2,491.20	3,025.09	2,976.62	7.18	8.89	-2.81	579.78	1,987.80	1,943.45	1,928.41	15.04	129.177	
2,600.00	2,589.63	3,115.86	3,064.29	7.41	9.19	-2.65	566.95	1,968.11	1,901.92	1,886.44	15.48	122.850	
2,700.00	2,687.57	3,205.52	3,150.90	7.65	9.48	-2.48	554.28	1,948.67	1,858.05	1,842.13	15.92	116.744	
2,800.00	2,784.94	3,294.01	3,236.38	7.88	9.78	-2.31	541.78	1,929.48	1,811.85	1,795.51	16.35	110.839	
2,873.30	2,855.92	3,358.10	3,298.28	8.02	9.99	-2.17	532.72	1,915.58	1,776.54	1,759.90	16.64	106.793	
2,900.00	2,881.71	3,381.33	3,320.71	8.06	10.07	-2.12	529.44	1,910.55	1,763.45	1,746.72	16.73	105.401	
3,000.00	2,978.30	3,468.30	3,404.72	8.28	10.36	-1.89	517.15	1,891.68	1,714.46	1,697.33	17.13	100.060	
3,100.00	3,074.89	3,555.27	3,488.73	8.49	10.66	-1.66	504.86	1,872.82	1,665.49	1,647.95	17.54	94.953	
3,200.00	3,171.49	3,642.25	3,572.74	8.71	10.95	-1.40	492.57	1,853.96	1,616.54	1,598.59	17.95	90.065	
3,300.00	3,268.08	3,729.22	3,656.75	8.93	11.25	-1.14	480.28	1,835.10	1,567.62	1,549.26	18.36	85.385	
3,400.00	3,364.67	3,816.19	3,740.76	9.16	11.55	-0.85	467.99	1,816.24	1,518.73	1,499.95	18.77	80.900	
3,500.00	3,461.26	3,903.17	3,824.77	9.42	11.84	-0.55	455.70	1,797.38	1,469.86	1,450.67	19.19	76.601	
3,600.00	3,557.85	3,990.14	3,908.78	9.70	12.14	-0.22	443.41	1,778.52	1,421.03	1,401.42	19.61	72.475	
3,700.00	3,654.44	4,077.11	3,992.79	10.00	12.44	0.12	431.12	1,759.66	1,372.24	1,352.21	20.03	68.515	
3,800.00	3,751.03	4,164.09	4,076.80	10.30	12.75	0.50	418.82	1,740.80	1,323.49	1,303.03	20.45	64.711	
3,900.00	3,847.62	4,251.06	4,160.81	10.61	13.05	0.90	406.53	1,721.94	1,274.78	1,253.90	20.88	61.055	
4,000.00	3,944.21	4,338.03	4,244.82	10.93	13.35	1.33	394.24	1,703.08	1,226.13	1,204.82	21.31	57.539	
4,100.00	4,040.80	4,425.00	4,328.83	11.25	13.65	1.80	381.95	1,684.22	1,177.53	1,155.79	21.74	54.156	
4,200.00	4,137.40	4,511.98	4,412.84	11.57	13.96	2.30	369.66	1,665.36	1,129.00	1,106.82	22.18	50.900	
4,300.00	4,233.99	4,598.84	4,496.74	11.89	14.26	2.85	357.39	1,646.52	1,080.55	1,057.92	22.62	47.767	
4,400.00	4,330.58	4,668.35	4,564.04	12.21	14.49	3.32	347.90	1,631.97	1,032.92	1,009.83	23.09	44.743	
4,500.00	4,427.17	4,739.25	4,633.00	12.54	14.72	3.79	338.92	1,618.18	986.88	963.33	23.55	41.903	
4,600.00	4,523.76	4,811.51	4,703.59	12.87	14.94	4.28	330.48	1,605.24	942.47	918.45	24.02	39.242	
4,700.00	4,620.35	4,885.14	4,775.80	13.20	15.14	4.78	322.64	1,593.20	899.71	875.24	24.48	36.754	
4,800.00	4,716.94	4,960.10	4,849.59	13.53	15.34	5.28	315.44	1,582.15	858.66	833.73	24.94	34.433	
4,900.00	4,813.53	5,036.38	4,924.94	13.86	15.52	5.79	308.92	1,572.15	819.35	793.96	25.39	32.270	
5,000.00	4,910.12	5,113.96	5,001.78	14.19	15.69	6.30	303.13	1,563.27	781.79	755.96	25.84	30.257	
5,100.00	5,006.72	5,200.00	5,087.25	14.53	15.86	6.85	297.72	1,554.96	746.08	719.80	26.28	28.394	
5,200.00	5,103.31	5,272.85	5,159.77	14.86	15.98	7.30	293.95	1,549.18	712.11	685.40	26.71	26.665	
5,300.00	5,199.90	5,354.08	5,240.78	15.20	16.10	7.77	290.65	1,544.11	680.02	652.90	27.12	25.073	
5,400.00	5,296.49	5,436.45	5,323.02	15.53	16.20	8.22	288.26	1,540.44	649.81	622.28	27.52	23.609	
5,500.00	5,393.08	5,519.89	5,406.42	15.87	16.28	8.63	286.82	1,538.24	621.48	593.58	27.90	22.276	
5,600.00	5,489.67	5,605.14	5,491.67	16.21	16.34	9.00	286.38	1,537.56	595.06	566.84	28.22	21.087	
5,700.00	5,586.26	5,701.74	5,588.26	16.55	16.37	9.40	286.38	1,537.56	569.48	540.98	28.50	19.981	
5,800.00	5,682.85	5,798.33	5,684.85	16.89	16.41	9.85	286.38	1,537.56	543.94	515.15	28.79	18.895	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,900.00	5,779.44	5,894.92	5,781.44	17.23	16.44	10.34	286.38	1,537.56	518.42	489.35	29.08	17.829	
5,915.24	5,794.17	5,909.64	5,796.17	17.27	16.45	10.41	286.38	1,537.56	514.54	485.42	29.12	17.672	
6,000.00	5,876.27	5,991.75	5,878.27	17.54	16.48	10.79	286.38	1,537.56	493.84	464.48	29.36	16.820	
6,100.00	5,973.71	6,089.19	5,975.71	17.85	16.52	11.24	286.38	1,537.56	471.77	442.11	29.66	15.907	
6,200.00	6,071.71	6,187.18	6,073.71	18.12	16.55	11.67	286.38	1,537.56	452.25	422.30	29.95	15.099	
6,300.00	6,170.19	6,285.67	6,172.19	18.37	16.59	12.08	286.38	1,537.56	435.27	405.04	30.24	14.395	
6,400.00	6,269.10	6,384.57	6,271.10	18.59	16.63	12.45	286.38	1,537.56	420.85	390.34	30.51	13.792	
6,500.00	6,368.35	6,483.83	6,370.35	18.78	16.67	12.78	286.38	1,537.56	408.99	378.21	30.78	13.288	
6,600.00	6,467.89	6,583.37	6,469.89	18.94	16.71	13.05	286.38	1,537.56	399.67	368.64	31.03	12.880	
6,700.00	6,567.65	6,683.12	6,569.65	19.07	16.75	13.25	286.38	1,537.56	392.91	361.64	31.27	12.566	
6,800.00	6,667.55	6,783.02	6,669.55	19.18	16.79	13.38	286.38	1,537.56	388.70	357.21	31.48	12.346	
6,900.00	6,767.53	6,883.01	6,769.53	19.26	16.82	13.44	286.38	1,537.56	387.03	355.36	31.67	12.221	
6,915.47	6,783.00	6,898.47	6,785.00	19.26	16.83	89.59	286.38	1,537.56	387.00	355.32	31.68	12.215	
7,000.00	6,867.53	6,983.01	6,869.53	19.30	16.87	89.59	286.38	1,537.56	387.00	355.25	31.75	12.188	
7,100.00	6,967.53	7,083.01	6,969.53	19.35	16.91	89.59	286.38	1,537.56	387.00	355.16	31.84	12.153	
7,200.00	7,067.53	7,183.01	7,069.53	19.40	16.95	89.59	286.38	1,537.56	387.00	355.06	31.94	12.118	
7,300.00	7,167.53	7,283.01	7,169.53	19.45	16.99	89.59	286.38	1,537.56	387.00	354.97	32.03	12.083	
7,400.00	7,267.53	7,383.01	7,269.53	19.50	17.03	89.59	286.38	1,537.56	387.00	354.88	32.12	12.048	
7,500.00	7,367.53	7,483.01	7,369.53	19.55	17.07	89.59	286.38	1,537.56	387.00	354.78	32.22	12.013	
7,600.00	7,467.53	7,583.01	7,469.53	19.60	17.11	89.59	286.38	1,537.56	387.00	354.69	32.31	11.977	
7,700.00	7,567.53	7,683.01	7,569.53	19.65	17.15	89.59	286.38	1,537.56	387.00	354.59	32.41	11.942	
7,800.00	7,667.53	7,783.01	7,669.53	19.71	17.20	89.59	286.38	1,537.56	387.00	354.50	32.50	11.907	
7,900.00	7,767.53	7,883.01	7,769.53	19.76	17.24	89.59	286.38	1,537.56	387.00	354.40	32.60	11.872	
8,000.00	7,867.53	7,983.01	7,869.53	19.81	17.28	89.59	286.38	1,537.56	387.00	354.31	32.69	11.837	
8,100.00	7,967.53	8,083.01	7,969.53	19.86	17.33	89.59	286.38	1,537.56	387.00	354.21	32.79	11.802	
8,200.00	8,067.53	8,183.01	8,069.53	19.92	17.37	89.59	286.38	1,537.56	387.00	354.11	32.89	11.767	
8,300.00	8,167.53	8,283.01	8,169.53	19.97	17.41	89.59	286.38	1,537.56	387.00	354.01	32.99	11.731	
8,400.00	8,267.53	8,383.01	8,269.53	20.02	17.46	89.59	286.38	1,537.56	387.00	353.91	33.09	11.696	
8,500.00	8,367.53	8,483.01	8,369.53	20.08	17.50	89.59	286.38	1,537.56	387.00	353.81	33.19	11.661	
8,600.00	8,467.53	8,583.01	8,469.53	20.13	17.55	89.59	286.38	1,537.56	387.00	353.71	33.29	11.626	
8,700.00	8,567.53	8,683.01	8,569.53	20.18	17.59	89.59	286.38	1,537.56	387.00	353.61	33.39	11.591	
8,800.00	8,667.53	8,783.01	8,669.53	20.24	17.64	89.59	286.38	1,537.56	387.00	353.51	33.49	11.557	
8,900.00	8,767.53	8,883.01	8,769.53	20.29	17.68	89.59	286.38	1,537.56	387.00	353.41	33.59	11.522	
9,000.00	8,867.53	8,983.01	8,869.53	20.35	17.73	89.59	286.38	1,537.56	387.00	353.31	33.69	11.487	
9,100.00	8,967.53	9,083.01	8,969.53	20.40	17.78	89.59	286.38	1,537.56	387.00	353.21	33.79	11.452	
9,200.00	9,067.53	9,183.01	9,069.53	20.45	17.82	89.59	286.38	1,537.56	387.00	353.10	33.90	11.417	
9,300.00	9,167.53	9,283.01	9,169.53	20.51	17.87	89.59	286.38	1,537.56	387.00	353.00	34.00	11.383	
9,400.00	9,267.53	9,383.01	9,269.53	20.56	17.92	89.59	286.38	1,537.56	387.00	352.90	34.10	11.348	
9,500.00	9,367.53	9,483.01	9,369.53	20.62	17.96	89.59	286.38	1,537.56	387.00	352.79	34.21	11.313	
9,600.00	9,467.53	9,583.01	9,469.53	20.68	18.01	89.59	286.38	1,537.56	387.00	352.69	34.31	11.279	
9,700.00	9,567.53	9,683.01	9,569.53	20.73	18.06	89.59	286.38	1,537.56	387.00	352.58	34.42	11.244	
9,800.00	9,667.53	9,783.01	9,669.53	20.79	18.11	89.59	286.38	1,537.56	387.00	352.48	34.52	11.210	
9,900.00	9,767.53	9,883.01	9,769.53	20.84	18.15	89.59	286.38	1,537.56	387.00	352.37	34.63	11.176	
10,000.00	9,867.53	9,983.01	9,869.53	20.90	18.20	89.59	286.38	1,537.56	387.00	352.26	34.73	11.142	
10,100.00	9,967.53	10,083.01	9,969.53	20.95	18.25	89.59	286.38	1,537.56	387.00	352.16	34.84	11.107	
10,200.00	10,067.53	10,183.01	10,069.53	21.01	18.30	89.59	286.38	1,537.56	387.00	352.05	34.95	11.073	
10,300.00	10,167.53	10,283.01	10,169.53	21.07	18.35	89.59	286.38	1,537.56	387.00	351.94	35.06	11.039	
10,400.00	10,267.53	10,383.01	10,269.53	21.12	18.40	89.59	286.38	1,537.56	387.00	351.83	35.17	11.005	
10,500.00	10,367.53	10,483.01	10,369.53	21.18	18.45	89.59	286.38	1,537.56	387.00	351.73	35.27	10.971	
10,600.00	10,467.53	10,583.01	10,469.53	21.24	18.50	89.59	286.38	1,537.56	387.00	351.62	35.38	10.937	
10,700.00	10,567.53	10,683.01	10,569.53	21.30	18.55	89.59	286.38	1,537.56	387.00	351.51	35.49	10.904	
10,800.00	10,667.53	10,783.01	10,669.53	21.35	18.60	89.59	286.38	1,537.56	387.00	351.40	35.60	10.870	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,900.00	10,767.53	10,883.01	10,769.53	21.41	18.65	89.59	286.38	1,537.56	387.00	351.29	35.71	10.837	
11,000.00	10,867.53	10,983.01	10,869.53	21.47	18.70	89.59	286.38	1,537.56	387.00	351.18	35.82	10.803	
11,100.00	10,967.53	11,083.01	10,969.53	21.53	18.75	89.59	286.38	1,537.56	387.00	351.07	35.93	10.770	
11,200.00	11,067.53	11,183.01	11,069.53	21.58	18.80	89.59	286.38	1,537.56	387.00	350.95	36.05	10.736	
11,300.00	11,167.53	11,283.01	11,169.53	21.64	18.85	89.59	286.38	1,537.56	387.00	350.84	36.16	10.703	
11,400.00	11,267.53	11,383.01	11,269.53	21.70	18.91	89.59	286.38	1,537.56	387.00	350.73	36.27	10.670	
11,500.00	11,367.53	11,483.01	11,369.53	21.76	18.96	89.59	286.38	1,537.56	387.00	350.62	36.38	10.637	
11,600.00	11,467.53	11,583.01	11,469.53	21.82	19.01	89.59	286.38	1,537.56	387.00	350.50	36.50	10.604	
11,686.47	11,554.00	11,669.47	11,556.00	21.86	19.06	89.59	286.38	1,537.56	387.00	350.41	36.59	10.577	
11,700.00	11,567.53	11,683.01	11,569.53	21.86	19.06	-89.94	286.38	1,537.56	387.00	350.41	36.59	10.576	
11,712.33	11,579.86	11,695.33	11,581.86	21.87	19.07	-90.00	286.38	1,537.56	387.00	350.41	36.59	10.575	CC
11,750.00	11,617.40	11,732.88	11,619.40	21.90	19.09	-90.43	286.38	1,537.56	387.01	350.43	36.58	10.579	
11,800.00	11,666.79	11,782.27	11,668.79	21.93	19.11	-91.54	286.38	1,537.56	387.15	350.61	36.53	10.597	
11,850.00	11,715.32	11,830.80	11,717.32	21.95	19.14	-93.21	286.38	1,537.56	387.66	351.21	36.45	10.635	
11,900.00	11,762.62	11,878.10	11,764.62	21.97	19.17	-95.33	286.38	1,537.56	388.94	352.58	36.36	10.698	
11,950.00	11,808.34	11,923.81	11,810.34	21.99	19.19	-97.78	286.38	1,537.56	391.47	355.20	36.27	10.793	
12,000.00	11,852.12	11,967.59	11,854.12	22.01	19.21	-100.39	286.38	1,537.56	395.82	359.60	36.22	10.928	
12,050.00	11,893.63	12,012.12	11,898.65	22.03	19.24	-103.23	286.17	1,537.56	402.54	366.30	36.24	11.109	
12,100.00	11,932.55	12,064.71	11,951.08	22.05	19.30	-106.51	282.32	1,537.60	411.28	374.92	36.36	11.313	
12,150.00	11,968.60	12,121.15	12,006.70	22.09	19.40	-109.74	272.87	1,537.68	421.64	385.01	36.63	11.511	
12,200.00	12,001.49	12,182.22	12,065.51	22.13	19.53	-112.94	256.54	1,537.83	433.30	396.21	37.09	11.683	
12,250.00	12,030.97	12,248.84	12,127.28	22.19	19.70	-116.08	231.70	1,538.05	445.84	408.08	37.77	11.805	
12,300.00	12,056.82	12,322.03	12,191.32	22.26	19.93	-119.15	196.36	1,538.37	458.78	420.07	38.71	11.853	
12,350.00	12,078.85	12,402.85	12,256.15	22.35	20.23	-122.08	148.22	1,538.80	471.51	431.59	39.92	11.812	
12,400.00	12,096.88	12,492.19	12,319.15	22.47	20.63	-124.77	84.99	1,539.37	483.33	441.94	41.40	11.676	
12,450.00	12,110.78	12,590.46	12,376.16	22.60	21.16	-127.10	5.11	1,540.09	493.49	450.42	43.06	11.459	
12,500.00	12,120.45	12,697.09	12,421.61	22.75	21.86	-128.87	-91.18	1,540.96	501.19	456.42	44.77	11.194	
12,550.00	12,125.80	12,810.15	12,449.47	22.93	22.72	-129.93	-200.56	1,541.94	505.75	459.44	46.31	10.921	
12,581.47	12,126.94	12,883.16	12,455.80	23.05	23.34	-130.17	-273.24	1,542.59	506.79	459.71	47.08	10.765	
12,600.00	12,127.10	12,907.57	12,456.02	23.12	23.55	-130.17	-297.65	1,542.81	506.78	459.52	47.26	10.722	
12,700.00	12,127.97	13,007.56	12,456.55	23.56	24.47	-130.14	-397.64	1,543.71	506.59	458.60	47.98	10.558	
12,800.00	12,128.84	13,107.56	12,457.08	24.06	25.43	-130.11	-497.63	1,544.61	506.39	457.61	48.79	10.380	
12,900.00	12,129.71	13,207.56	12,457.60	24.61	26.43	-130.08	-597.63	1,545.51	506.20	456.53	49.67	10.191	
13,000.00	12,130.58	13,307.56	12,458.13	25.21	27.46	-130.04	-697.62	1,546.41	506.01	455.37	50.63	9.993	
13,100.00	12,131.46	13,407.56	12,458.66	25.87	28.52	-130.01	-797.61	1,547.31	505.81	454.14	51.67	9.789	
13,200.00	12,132.33	13,507.56	12,459.18	26.56	29.61	-129.98	-897.61	1,548.21	505.62	452.84	52.78	9.580	
13,300.00	12,133.20	13,607.56	12,459.71	27.30	30.72	-129.95	-997.60	1,549.11	505.43	451.48	53.95	9.368	
13,400.00	12,134.07	13,707.56	12,460.23	28.08	31.84	-129.91	-1,097.60	1,550.01	505.24	450.05	55.19	9.155	
13,500.00	12,134.94	13,807.56	12,460.76	28.90	32.99	-129.88	-1,197.59	1,550.91	505.04	448.56	56.49	8.941	
13,600.00	12,135.81	13,907.56	12,461.29	29.75	34.15	-129.85	-1,297.58	1,551.81	504.85	447.01	57.84	8.729	
13,700.00	12,136.69	14,007.56	12,461.81	30.63	35.33	-129.81	-1,397.58	1,552.71	504.66	445.42	59.24	8.518	
13,800.00	12,137.56	14,107.56	12,462.34	31.55	36.52	-129.78	-1,497.57	1,553.61	504.47	443.77	60.70	8.311	
13,900.00	12,138.43	14,207.56	12,462.86	32.50	37.72	-129.75	-1,597.57	1,554.51	504.28	442.08	62.20	8.108	
14,000.00	12,139.30	14,307.56	12,463.39	33.47	38.94	-129.72	-1,697.56	1,555.41	504.08	440.35	63.74	7.909	
14,100.00	12,140.17	14,407.56	12,463.92	34.47	40.16	-129.68	-1,797.55	1,556.30	503.89	438.57	65.32	7.714	
14,200.00	12,141.04	14,507.56	12,464.44	35.49	41.39	-129.65	-1,897.55	1,557.20	503.70	436.76	66.94	7.525	
14,300.00	12,141.92	14,607.55	12,464.97	36.53	42.63	-129.62	-1,997.54	1,558.10	503.51	434.91	68.60	7.340	
14,400.00	12,142.79	14,707.55	12,465.50	37.59	43.88	-129.58	-2,097.54	1,559.00	503.32	433.04	70.28	7.161	
14,500.00	12,143.66	14,807.55	12,466.02	38.67	45.13	-129.55	-2,197.53	1,559.90	503.13	431.13	72.00	6.988	
14,600.00	12,144.53	14,907.55	12,466.55	39.77	46.39	-129.52	-2,297.52	1,560.80	502.94	429.19	73.75	6.820	
14,700.00	12,145.40	15,007.55	12,467.07	40.88	47.66	-129.48	-2,397.52	1,561.70	502.75	427.23	75.52	6.657	
14,800.00	12,146.27	15,107.55	12,467.60	42.01	48.93	-129.45	-2,497.51	1,562.60	502.56	425.24	77.32	6.500	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	12,147.14	15,207.55	12,468.13	43.15	50.20	-129.42	-2,597.51	1,563.50	502.37	423.23	79.14	6.348	
15,000.00	12,148.02	15,307.55	12,468.65	44.31	51.49	-129.38	-2,697.50	1,564.40	502.18	421.20	80.98	6.201	
15,100.00	12,148.89	15,407.55	12,469.18	45.47	52.77	-129.35	-2,797.49	1,565.30	501.99	419.14	82.84	6.059	
15,200.00	12,149.76	15,507.55	12,469.71	46.65	54.06	-129.32	-2,897.49	1,566.20	501.80	417.07	84.73	5.923	
15,300.00	12,150.63	15,607.55	12,470.23	47.83	55.35	-129.28	-2,997.48	1,567.10	501.61	414.98	86.63	5.790	
15,400.00	12,151.50	15,707.55	12,470.76	49.03	56.65	-129.25	-3,097.48	1,568.00	501.42	412.88	88.55	5.663	
15,500.00	12,152.37	15,807.55	12,471.28	50.23	57.95	-129.22	-3,197.47	1,568.90	501.23	410.75	90.48	5.540	
15,600.00	12,153.25	15,907.55	12,471.81	51.45	59.25	-129.18	-3,297.46	1,569.80	501.04	408.61	92.43	5.421	
15,700.00	12,154.12	16,007.55	12,472.34	52.67	60.56	-129.15	-3,397.46	1,570.70	500.85	406.46	94.39	5.306	
15,800.00	12,154.99	16,107.55	12,472.86	53.89	61.86	-129.12	-3,497.45	1,571.59	500.67	404.30	96.37	5.195	
15,900.00	12,155.86	16,207.55	12,473.39	55.13	63.18	-129.08	-3,597.45	1,572.49	500.48	402.12	98.36	5.088	
16,000.00	12,156.73	16,307.54	12,473.91	56.37	64.49	-129.05	-3,697.44	1,573.39	500.29	399.93	100.36	4.985	
16,100.00	12,157.60	16,407.54	12,474.44	57.61	65.80	-129.02	-3,797.43	1,574.29	500.10	397.73	102.37	4.885	
16,200.00	12,158.48	16,507.54	12,474.97	58.86	67.12	-128.98	-3,897.43	1,575.19	499.91	395.52	104.40	4.789	
16,300.00	12,159.35	16,607.54	12,475.49	60.12	68.44	-128.95	-3,997.42	1,576.09	499.73	393.29	106.43	4.695	
16,400.00	12,160.22	16,707.54	12,476.02	61.38	69.76	-128.92	-4,097.42	1,576.99	499.54	391.06	108.48	4.605	
16,500.00	12,161.09	16,807.54	12,476.55	62.65	71.08	-128.88	-4,197.41	1,577.89	499.35	388.82	110.53	4.518	
16,600.00	12,161.96	16,907.54	12,477.07	63.92	72.41	-128.85	-4,297.40	1,578.79	499.16	386.57	112.59	4.433	
16,700.00	12,162.83	17,007.54	12,477.60	65.19	73.74	-128.82	-4,397.40	1,579.69	498.98	384.31	114.67	4.352	
16,800.00	12,163.71	17,107.54	12,478.12	66.47	75.06	-128.78	-4,497.39	1,580.59	498.79	382.04	116.75	4.272	
16,900.00	12,164.58	17,207.54	12,478.65	67.75	76.39	-128.75	-4,597.39	1,581.49	498.60	379.77	118.83	4.196	
17,000.00	12,165.45	17,307.54	12,479.18	69.04	77.72	-128.71	-4,697.38	1,582.39	498.42	377.49	120.93	4.122	
17,100.00	12,166.32	17,407.54	12,479.70	70.32	79.05	-128.68	-4,797.37	1,583.29	498.23	375.20	123.03	4.050	
17,200.00	12,167.19	17,507.54	12,480.23	71.61	80.39	-128.65	-4,897.37	1,584.19	498.05	372.90	125.14	3.980	
17,300.00	12,168.06	17,607.54	12,480.75	72.91	81.72	-128.61	-4,997.36	1,585.09	497.86	370.60	127.26	3.912	
17,400.00	12,168.94	17,707.54	12,481.28	74.21	83.06	-128.58	-5,097.36	1,585.99	497.67	368.29	129.38	3.846	
17,500.00	12,169.81	17,807.54	12,481.81	75.50	84.39	-128.55	-5,197.35	1,586.89	497.49	365.97	131.51	3.783	
17,600.00	12,170.68	17,907.53	12,482.33	76.81	85.73	-128.51	-5,297.34	1,587.78	497.30	363.65	133.65	3.721	
17,700.00	12,171.55	18,007.53	12,482.86	78.11	87.07	-128.48	-5,397.34	1,588.68	497.12	361.32	135.79	3.661	
17,800.00	12,172.42	18,107.53	12,483.39	79.42	88.41	-128.44	-5,497.33	1,589.58	496.93	358.99	137.94	3.603	
17,900.00	12,173.29	18,207.53	12,483.91	80.72	89.75	-128.41	-5,597.33	1,590.48	496.75	356.65	140.09	3.546	
18,000.00	12,174.17	18,307.53	12,484.44	82.03	91.09	-128.38	-5,697.32	1,591.38	496.56	354.31	142.25	3.491	
18,100.00	12,175.04	18,407.53	12,484.96	83.35	92.43	-128.34	-5,797.31	1,592.28	496.38	351.96	144.42	3.437	
18,200.00	12,175.91	18,507.53	12,485.49	84.66	93.78	-128.31	-5,897.31	1,593.18	496.19	349.61	146.58	3.385	
18,300.00	12,176.78	18,607.53	12,486.02	85.98	95.12	-128.27	-5,997.30	1,594.08	496.01	347.25	148.76	3.334	
18,400.00	12,177.65	18,707.53	12,486.54	87.29	96.46	-128.24	-6,097.30	1,594.98	495.83	344.89	150.94	3.285	
18,500.00	12,178.52	18,807.53	12,487.07	88.61	97.81	-128.21	-6,197.29	1,595.88	495.64	342.52	153.12	3.237	
18,600.00	12,179.39	18,907.53	12,487.60	89.93	99.15	-128.17	-6,297.28	1,596.78	495.46	340.15	155.31	3.190	
18,700.00	12,180.27	19,007.53	12,488.12	91.26	100.50	-128.14	-6,397.28	1,597.68	495.28	337.78	157.50	3.145	
18,800.00	12,181.14	19,107.53	12,488.65	92.58	101.85	-128.10	-6,497.27	1,598.58	495.09	335.40	159.69	3.100	
18,900.00	12,182.01	19,207.53	12,489.17	93.90	103.19	-128.07	-6,597.27	1,599.48	494.91	333.01	161.90	3.057	
19,000.00	12,182.88	19,307.53	12,489.70	95.23	104.54	-128.04	-6,697.26	1,600.38	494.73	330.63	164.10	3.015	
19,100.00	12,183.75	19,407.53	12,490.23	96.56	105.89	-128.00	-6,797.25	1,601.28	494.54	328.24	166.31	2.974	
19,200.00	12,184.62	19,507.53	12,490.75	97.89	107.24	-127.97	-6,897.25	1,602.18	494.36	325.84	168.52	2.934	
19,300.00	12,185.50	19,607.52	12,491.28	99.22	108.59	-127.93	-6,997.24	1,603.07	494.18	323.44	170.74	2.894	
19,400.00	12,186.37	19,707.52	12,491.80	100.55	109.94	-127.90	-7,097.23	1,603.97	494.00	321.04	172.96	2.856	
19,500.00	12,187.24	19,807.52	12,492.33	101.88	111.29	-127.86	-7,197.23	1,604.87	493.81	318.63	175.18	2.819	
19,600.00	12,188.11	19,907.52	12,492.86	103.21	112.64	-127.83	-7,297.22	1,605.77	493.63	316.23	177.41	2.782	
19,700.00	12,188.98	20,007.52	12,493.38	104.54	113.99	-127.79	-7,397.22	1,606.67	493.45	313.81	179.64	2.747	
19,800.00	12,189.85	20,107.52	12,493.91	105.88	115.34	-127.76	-7,497.21	1,607.57	493.27	311.40	181.87	2.712	
19,900.00	12,190.73	20,207.52	12,494.44	107.21	116.69	-127.73	-7,597.20	1,608.47	493.09	308.98	184.11	2.678	
20,000.00	12,191.60	20,307.52	12,494.96	108.55	118.05	-127.69	-7,697.20	1,609.37	492.91	306.56	186.35	2.645	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,100.00	12,192.47	20,407.52	12,495.49	109.89	119.40	-127.66	-7,797.19	1,610.27	492.73	304.13	188.59	2.613	
20,200.00	12,193.34	20,507.52	12,496.01	111.23	120.75	-127.62	-7,897.19	1,611.17	492.55	301.70	190.84	2.581	
20,300.00	12,194.21	20,607.52	12,496.54	112.56	122.11	-127.59	-7,997.18	1,612.07	492.36	299.27	193.09	2.550	
20,400.00	12,195.08	20,707.52	12,497.07	113.90	123.46	-127.55	-8,097.17	1,612.97	492.18	296.84	195.35	2.520	
20,500.00	12,195.96	20,807.52	12,497.59	115.24	124.82	-127.52	-8,197.17	1,613.87	492.00	294.40	197.60	2.490	
20,600.00	12,196.83	20,907.52	12,498.12	116.58	126.17	-127.48	-8,297.16	1,614.77	491.82	291.96	199.86	2.461	
20,700.00	12,197.70	21,007.52	12,498.65	117.93	127.52	-127.45	-8,397.16	1,615.67	491.64	289.52	202.13	2.432	
20,800.00	12,198.57	21,107.52	12,499.17	119.27	128.88	-127.41	-8,497.15	1,616.57	491.46	287.07	204.39	2.405	
20,900.00	12,199.44	21,207.52	12,499.70	120.61	130.24	-127.38	-8,597.14	1,617.47	491.29	284.62	206.66	2.377	
21,000.00	12,200.31	21,307.51	12,500.22	121.95	131.59	-127.35	-8,697.14	1,618.37	491.11	282.17	208.93	2.351	
21,100.00	12,201.19	21,407.51	12,500.75	123.30	132.95	-127.31	-8,797.13	1,619.26	490.93	279.72	211.21	2.324	
21,200.00	12,202.06	21,507.51	12,501.28	124.64	134.30	-127.28	-8,897.13	1,620.16	490.75	277.26	213.48	2.299	
21,300.00	12,202.93	21,607.51	12,501.80	125.99	135.66	-127.24	-8,997.12	1,621.06	490.57	274.80	215.76	2.274	
21,400.00	12,203.80	21,707.51	12,502.33	127.33	137.02	-127.21	-9,097.11	1,621.96	490.39	272.34	218.05	2.249	
21,500.00	12,204.67	21,807.51	12,502.85	128.68	138.37	-127.17	-9,197.11	1,622.86	490.21	269.88	220.33	2.225	
21,600.00	12,205.54	21,907.51	12,503.38	130.03	139.73	-127.14	-9,297.10	1,623.76	490.03	267.41	222.62	2.201	
21,700.00	12,206.41	22,007.51	12,503.91	131.37	141.09	-127.10	-9,397.10	1,624.66	489.86	264.94	224.91	2.178	
21,800.00	12,207.29	22,107.51	12,504.43	132.72	142.45	-127.07	-9,497.09	1,625.56	489.68	262.47	227.21	2.155	
21,900.00	12,208.16	22,207.51	12,504.96	134.07	143.81	-127.03	-9,597.08	1,626.46	489.50	260.00	229.50	2.133	
22,000.00	12,209.03	22,307.51	12,505.49	135.42	145.16	-127.00	-9,697.08	1,627.36	489.32	257.52	231.80	2.111	
22,100.00	12,209.90	22,407.51	12,506.01	136.77	146.52	-126.96	-9,797.07	1,628.26	489.15	255.04	234.10	2.089	
22,200.00	12,210.77	22,507.51	12,506.54	138.12	147.88	-126.93	-9,897.07	1,629.16	488.97	252.56	236.41	2.068	
22,300.00	12,211.64	22,607.51	12,507.06	139.47	149.24	-126.89	-9,997.06	1,630.06	488.79	250.08	238.71	2.048	
22,400.00	12,212.52	22,707.51	12,507.59	140.82	150.60	-126.86	-10,097.05	1,630.96	488.61	247.59	241.02	2.027	
22,500.00	12,213.39	22,807.51	12,508.12	142.17	151.95	-126.82	-10,197.05	1,631.86	488.44	245.11	243.32	2.007	
22,512.90	12,213.50	22,820.40	12,508.18	142.34	152.12	-126.82	-10,209.94	1,631.97	488.41	244.82	243.60	2.005	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	73.29	696.00	2,319.00	2,421.19				
100.00	100.00	100.00	100.00	0.98	0.98	73.29	696.00	2,319.00	2,421.19	2,419.23	1.96	1,233.928	
200.00	200.00	200.00	200.00	1.56	1.56	73.29	696.00	2,319.00	2,421.19	2,418.07	3.12	775.464	
300.00	300.00	300.00	300.00	1.98	1.98	73.29	696.00	2,319.00	2,421.19	2,417.23	3.96	611.055	
400.00	399.99	366.30	366.30	2.41	2.26	-2.85	695.80	2,319.54	2,420.58	2,415.92	4.66	519.593	
500.00	499.91	432.60	432.57	2.78	2.53	-2.83	695.21	2,321.16	2,418.75	2,413.48	5.27	459.024	
600.00	599.69	500.00	499.91	3.12	2.77	-2.80	694.21	2,323.92	2,415.69	2,409.86	5.83	414.237	
633.33	632.91	531.59	531.45	3.15	2.86	-2.78	693.64	2,325.47	2,414.33	2,408.39	5.95	406.060	
700.00	699.32	598.16	597.94	3.25	3.03	-2.73	692.45	2,328.75	2,411.33	2,405.10	6.23	387.095	
800.00	798.94	698.02	697.66	3.50	3.28	-2.67	690.66	2,333.66	2,406.82	2,400.09	6.73	357.656	
900.00	898.56	797.89	797.39	3.74	3.52	-2.60	688.88	2,338.57	2,402.31	2,395.10	7.21	333.238	
1,000.00	998.18	897.75	897.11	3.97	3.75	-2.54	687.09	2,343.48	2,397.81	2,390.14	7.67	312.540	
1,100.00	1,097.80	997.61	996.84	4.20	3.98	-2.47	685.30	2,348.39	2,393.31	2,385.19	8.12	294.697	
1,200.00	1,197.42	1,097.47	1,096.56	4.42	4.19	-2.41	683.51	2,353.30	2,388.82	2,380.26	8.56	279.102	
1,300.00	1,297.04	1,197.33	1,196.29	4.64	4.41	-2.34	681.73	2,358.21	2,384.33	2,375.34	8.99	265.315	
1,400.00	1,396.66	1,297.19	1,296.01	4.86	4.61	-2.28	679.94	2,363.12	2,379.84	2,370.43	9.41	253.010	
1,500.00	1,496.28	1,397.06	1,395.74	5.07	4.82	-2.21	678.15	2,368.04	2,375.35	2,365.53	9.82	241.939	
1,600.00	1,595.90	1,496.92	1,495.46	5.28	5.02	-2.15	676.36	2,372.95	2,370.87	2,360.64	10.23	231.835	
1,700.00	1,695.52	1,576.35	1,574.74	5.48	5.20	-2.08	674.40	2,377.34	2,366.80	2,356.20	10.60	223.381	
1,800.00	1,795.14	1,654.72	1,652.87	5.69	5.37	-1.97	671.26	2,382.76	2,363.64	2,352.68	10.96	215.638	
1,900.00	1,894.76	1,732.96	1,730.71	5.89	5.55	-1.84	666.93	2,389.23	2,361.41	2,350.08	11.33	208.512	
2,000.00	1,994.38	1,810.98	1,808.17	6.09	5.73	-1.66	661.44	2,396.75	2,360.11	2,348.42	11.68	202.011	
2,081.81	2,075.88	1,874.61	1,871.20	6.26	5.85	-1.50	656.09	2,403.66	2,359.75	2,347.80	11.96	197.350	
2,100.00	2,094.00	1,890.12	1,886.54	6.29	5.87	-1.45	654.67	2,405.45	2,359.76	2,347.74	12.02	196.398	
2,200.00	2,193.62	1,989.43	1,984.76	6.50	6.06	-1.17	645.53	2,416.94	2,359.87	2,347.45	12.41	190.088	
2,206.41	2,200.00	1,995.79	1,991.05	6.52	6.07	-1.15	644.95	2,417.67	2,359.88	2,347.44	12.44	189.687	
2,300.00	2,293.13	2,088.73	2,082.97	6.72	6.26	-0.89	636.40	2,428.42	2,358.89	2,346.06	12.83	183.860	
2,400.00	2,392.34	2,187.99	2,181.14	6.95	6.45	-0.61	627.26	2,439.91	2,355.35	2,342.09	13.26	177.577	
2,500.00	2,491.20	2,287.12	2,279.18	7.18	6.65	-0.33	618.14	2,451.37	2,349.26	2,335.56	13.70	171.479	
2,600.00	2,589.63	2,386.06	2,377.04	7.41	6.85	-0.05	609.04	2,462.82	2,340.62	2,326.48	14.14	165.559	
2,700.00	2,687.57	2,484.74	2,474.63	7.65	7.05	0.24	599.96	2,474.24	2,329.43	2,314.85	14.58	159.806	
2,800.00	2,784.94	2,583.10	2,571.91	7.88	7.24	0.53	590.91	2,485.61	2,315.70	2,300.68	15.02	154.210	
2,873.30	2,855.92	2,654.95	2,642.97	8.02	7.38	0.75	584.30	2,493.93	2,304.03	2,288.72	15.31	150.519	
2,900.00	2,881.71	2,681.09	2,668.82	8.06	7.44	0.82	581.89	2,496.95	2,299.53	2,284.13	15.40	149.307	
3,000.00	2,978.30	2,778.95	2,765.61	8.28	7.63	1.12	572.89	2,508.27	2,282.73	2,266.91	15.82	144.315	
3,100.00	3,074.89	2,876.82	2,862.40	8.49	7.83	1.42	563.88	2,519.59	2,265.99	2,249.75	16.24	139.572	
3,200.00	3,171.49	2,974.69	2,959.20	8.71	8.02	1.73	554.88	2,530.91	2,249.31	2,232.66	16.65	135.059	
3,300.00	3,268.08	3,072.56	3,055.99	8.93	8.22	2.04	545.87	2,542.24	2,232.70	2,215.63	17.07	130.763	
3,400.00	3,364.67	3,170.42	3,152.78	9.16	8.42	2.36	536.87	2,553.56	2,216.16	2,198.66	17.50	126.669	
3,500.00	3,461.26	3,268.29	3,249.57	9.42	8.61	2.68	527.86	2,564.88	2,199.68	2,181.76	17.92	122.765	
3,600.00	3,557.85	3,366.16	3,346.37	9.70	8.81	3.00	518.85	2,576.20	2,183.27	2,164.93	18.34	119.038	
3,700.00	3,654.44	3,464.03	3,443.16	10.00	9.01	3.33	509.85	2,587.52	2,166.93	2,148.16	18.76	115.478	
3,800.00	3,751.03	3,561.89	3,539.95	10.30	9.21	3.67	500.84	2,598.85	2,150.66	2,131.47	19.19	112.073	
3,900.00	3,847.62	3,659.76	3,636.74	10.61	9.40	4.01	491.84	2,610.17	2,134.47	2,114.85	19.62	108.816	
4,000.00	3,944.21	3,757.63	3,733.54	10.93	9.60	4.35	482.83	2,621.49	2,118.35	2,098.31	20.04	105.697	
4,100.00	4,040.80	3,855.50	3,830.33	11.25	9.80	4.70	473.83	2,632.81	2,102.31	2,081.84	20.47	102.708	
4,200.00	4,137.40	3,953.37	3,927.12	11.57	10.00	5.06	464.82	2,644.13	2,086.35	2,065.45	20.90	99.841	
4,300.00	4,233.99	4,051.23	4,023.92	11.89	10.20	5.42	455.82	2,655.45	2,070.46	2,049.14	21.33	97.090	
4,400.00	4,330.58	4,149.10	4,120.71	12.21	10.40	5.78	446.81	2,666.78	2,054.67	2,032.91	21.75	94.449	
4,500.00	4,427.17	4,246.97	4,217.50	12.54	10.60	6.15	437.81	2,678.10	2,038.95	2,016.77	22.18	91.911	
4,600.00	4,523.76	4,344.84	4,314.29	12.87	10.80	6.53	428.80	2,689.42	2,023.32	2,000.71	22.61	89.470	
4,700.00	4,620.35	4,442.70	4,411.09	13.20	11.00	6.91	419.80	2,700.74	2,007.78	1,984.74	23.05	87.122	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,540.57	4,507.88	13.53	11.20	7.30	410.79	2,712.06	1,992.34	1,968.86	23.48	84.862	
4,900.00	4,813.53	4,638.44	4,604.67	13.86	11.40	7.70	401.79	2,723.38	1,976.98	1,953.07	23.91	82.685	
5,000.00	4,910.12	4,736.31	4,701.46	14.19	11.61	8.10	392.78	2,734.71	1,961.72	1,937.37	24.34	80.586	
5,100.00	5,006.72	4,834.17	4,798.26	14.53	11.81	8.51	383.78	2,746.03	1,946.55	1,921.78	24.78	78.564	
5,200.00	5,103.31	4,932.04	4,895.05	14.86	12.01	8.92	374.77	2,757.35	1,931.49	1,906.28	25.21	76.612	
5,300.00	5,199.90	5,029.91	4,991.84	15.20	12.21	9.34	365.77	2,768.67	1,916.53	1,890.88	25.65	74.728	
5,400.00	5,296.49	5,127.78	5,088.63	15.53	12.42	9.76	356.76	2,779.99	1,901.67	1,875.58	26.08	72.909	
5,500.00	5,393.08	5,225.65	5,185.43	15.87	12.62	10.20	347.76	2,791.32	1,886.92	1,860.40	26.52	71.152	
5,600.00	5,489.67	5,323.51	5,282.22	16.21	12.83	10.64	338.75	2,802.64	1,872.27	1,845.31	26.96	69.453	
5,700.00	5,586.26	5,421.38	5,379.01	16.55	13.03	11.08	329.75	2,813.96	1,857.74	1,830.34	27.40	67.808	
5,800.00	5,682.85	5,527.10	5,483.58	16.89	13.26	11.57	320.06	2,826.14	1,843.29	1,815.44	27.85	66.176	
5,900.00	5,779.44	5,681.42	5,636.73	17.23	13.56	12.22	308.31	2,840.91	1,827.06	1,798.69	28.37	64.390	
5,915.24	5,794.17	5,704.89	5,660.08	17.27	13.61	12.31	306.87	2,842.73	1,824.33	1,795.89	28.45	64.134	
6,000.00	5,876.27	5,835.31	5,790.09	17.54	13.84	12.69	300.45	2,850.79	1,808.80	1,779.96	28.83	62.732	
6,100.00	5,973.71	5,988.94	5,943.57	17.85	14.08	13.01	296.44	2,855.84	1,790.03	1,760.78	29.25	61.201	
6,200.00	6,071.71	6,117.08	6,071.71	18.12	14.15	13.16	295.87	2,856.55	1,771.07	1,741.57	29.50	60.027	
6,300.00	6,170.19	6,215.56	6,170.19	18.37	14.18	13.23	295.87	2,856.55	1,754.19	1,724.42	29.76	58.936	
6,400.00	6,269.10	6,314.47	6,269.10	18.59	14.22	13.29	295.87	2,856.55	1,739.82	1,709.80	30.02	57.963	
6,500.00	6,368.35	6,413.72	6,368.35	18.78	14.26	13.34	295.87	2,856.55	1,727.99	1,697.73	30.26	57.105	
6,600.00	6,467.89	6,513.26	6,467.89	18.94	14.30	13.38	295.87	2,856.55	1,718.69	1,688.20	30.49	56.363	
6,700.00	6,567.65	6,613.02	6,567.65	19.07	14.34	13.41	295.87	2,856.55	1,711.93	1,681.22	30.71	55.737	
6,800.00	6,667.55	6,712.92	6,667.55	19.18	14.37	13.43	295.87	2,856.55	1,707.72	1,676.80	30.92	55.228	
6,900.00	6,767.53	6,812.90	6,767.53	19.26	14.41	13.44	295.87	2,856.55	1,706.05	1,674.95	31.10	54.853	
6,915.47	6,783.00	6,828.37	6,783.00	19.26	14.42	89.59	295.87	2,856.55	1,706.02	1,674.91	31.12	54.829	
7,000.00	6,867.53	6,912.90	6,867.53	19.30	14.45	89.59	295.87	2,856.55	1,706.02	1,674.84	31.18	54.709	
7,100.00	6,967.53	7,012.90	6,967.53	19.35	14.49	89.59	295.87	2,856.55	1,706.02	1,674.75	31.27	54.550	
7,200.00	7,067.53	7,112.90	7,067.53	19.40	14.53	89.59	295.87	2,856.55	1,706.02	1,674.66	31.37	54.391	
7,300.00	7,167.53	7,212.90	7,167.53	19.45	14.57	89.59	295.87	2,856.55	1,706.02	1,674.57	31.46	54.232	
7,400.00	7,267.53	7,312.90	7,267.53	19.50	14.62	89.59	295.87	2,856.55	1,706.02	1,674.47	31.55	54.073	
7,500.00	7,367.53	7,412.90	7,367.53	19.55	14.66	89.59	295.87	2,856.55	1,706.02	1,674.38	31.64	53.914	
7,600.00	7,467.53	7,512.90	7,467.53	19.60	14.70	89.59	295.87	2,856.55	1,706.02	1,674.29	31.74	53.754	
7,700.00	7,567.53	7,612.90	7,567.53	19.65	14.74	89.59	295.87	2,856.55	1,706.02	1,674.19	31.83	53.595	
7,800.00	7,667.53	7,712.90	7,667.53	19.71	14.78	89.59	295.87	2,856.55	1,706.02	1,674.10	31.93	53.436	
7,900.00	7,767.53	7,812.90	7,767.53	19.76	14.83	89.59	295.87	2,856.55	1,706.02	1,674.00	32.02	53.277	
8,000.00	7,867.53	7,912.90	7,867.53	19.81	14.87	89.59	295.87	2,856.55	1,706.02	1,673.91	32.12	53.118	
8,100.00	7,967.53	8,012.90	7,967.53	19.86	14.91	89.59	295.87	2,856.55	1,706.02	1,673.81	32.21	52.959	
8,200.00	8,067.53	8,112.90	8,067.53	19.92	14.96	89.59	295.87	2,856.55	1,706.02	1,673.71	32.31	52.800	
8,300.00	8,167.53	8,212.90	8,167.53	19.97	15.00	89.59	295.87	2,856.55	1,706.02	1,673.62	32.41	52.641	
8,400.00	8,267.53	8,312.90	8,267.53	20.02	15.04	89.59	295.87	2,856.55	1,706.02	1,673.52	32.51	52.482	
8,500.00	8,367.53	8,412.90	8,367.53	20.08	15.09	89.59	295.87	2,856.55	1,706.02	1,673.42	32.61	52.323	
8,600.00	8,467.53	8,512.90	8,467.53	20.13	15.13	89.59	295.87	2,856.55	1,706.02	1,673.32	32.70	52.164	
8,700.00	8,567.53	8,612.90	8,567.53	20.18	15.18	89.59	295.87	2,856.55	1,706.02	1,673.22	32.80	52.006	
8,800.00	8,667.53	8,712.90	8,667.53	20.24	15.22	89.59	295.87	2,856.55	1,706.02	1,673.12	32.90	51.848	
8,900.00	8,767.53	8,812.90	8,767.53	20.29	15.27	89.59	295.87	2,856.55	1,706.02	1,673.02	33.01	51.690	
9,000.00	8,867.53	8,912.90	8,867.53	20.35	15.32	89.59	295.87	2,856.55	1,706.02	1,672.92	33.11	51.532	
9,100.00	8,967.53	9,012.90	8,967.53	20.40	15.36	89.59	295.87	2,856.55	1,706.02	1,672.82	33.21	51.374	
9,200.00	9,067.53	9,112.90	9,067.53	20.45	15.41	89.59	295.87	2,856.55	1,706.02	1,672.71	33.31	51.216	
9,300.00	9,167.53	9,212.90	9,167.53	20.51	15.46	89.59	295.87	2,856.55	1,706.02	1,672.61	33.41	51.059	
9,400.00	9,267.53	9,312.90	9,267.53	20.56	15.50	89.59	295.87	2,856.55	1,706.02	1,672.51	33.52	50.902	
9,500.00	9,367.53	9,412.90	9,367.53	20.62	15.55	89.59	295.87	2,856.55	1,706.02	1,672.40	33.62	50.745	
9,600.00	9,467.53	9,512.90	9,467.53	20.68	15.60	89.59	295.87	2,856.55	1,706.02	1,672.30	33.72	50.588	
9,700.00	9,567.53	9,612.90	9,567.53	20.73	15.65	89.59	295.87	2,856.55	1,706.02	1,672.20	33.83	50.432	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,667.53	9,712.90	9,667.53	20.79	15.70	89.59	295.87	2,856.55	1,706.02	1,672.09	33.93	50.276	
9,900.00	9,767.53	9,812.90	9,767.53	20.84	15.74	89.59	295.87	2,856.55	1,706.02	1,671.99	34.04	50.120	
10,000.00	9,867.53	9,912.90	9,867.53	20.90	15.79	89.59	295.87	2,856.55	1,706.02	1,671.88	34.14	49.964	
10,100.00	9,967.53	10,012.90	9,967.53	20.95	15.84	89.59	295.87	2,856.55	1,706.02	1,671.77	34.25	49.809	
10,200.00	10,067.53	10,112.90	10,067.53	21.01	15.89	89.59	295.87	2,856.55	1,706.02	1,671.67	34.36	49.654	
10,300.00	10,167.53	10,212.90	10,167.53	21.07	15.94	89.59	295.87	2,856.55	1,706.02	1,671.56	34.47	49.500	
10,400.00	10,267.53	10,312.90	10,267.53	21.12	15.99	89.59	295.87	2,856.55	1,706.02	1,671.45	34.57	49.345	
10,500.00	10,367.53	10,412.90	10,367.53	21.18	16.04	89.59	295.87	2,856.55	1,706.02	1,671.34	34.68	49.191	
10,600.00	10,467.53	10,512.90	10,467.53	21.24	16.09	89.59	295.87	2,856.55	1,706.02	1,671.23	34.79	49.038	
10,700.00	10,567.53	10,612.90	10,567.53	21.30	16.14	89.59	295.87	2,856.55	1,706.02	1,671.13	34.90	48.885	
10,800.00	10,667.53	10,712.90	10,667.53	21.35	16.19	89.59	295.87	2,856.55	1,706.02	1,671.02	35.01	48.732	
10,900.00	10,767.53	10,812.90	10,767.53	21.41	16.25	89.59	295.87	2,856.55	1,706.02	1,670.91	35.12	48.579	
11,000.00	10,867.53	10,912.90	10,867.53	21.47	16.30	89.59	295.87	2,856.55	1,706.02	1,670.80	35.23	48.427	
11,100.00	10,967.53	11,012.90	10,967.53	21.53	16.35	89.59	295.87	2,856.55	1,706.02	1,670.68	35.34	48.276	
11,200.00	11,067.53	11,112.90	11,067.53	21.58	16.40	89.59	295.87	2,856.55	1,706.02	1,670.57	35.45	48.124	
11,300.00	11,167.53	11,212.90	11,167.53	21.64	16.45	89.59	295.87	2,856.55	1,706.02	1,670.46	35.56	47.973	
11,400.00	11,267.53	11,312.90	11,267.53	21.70	16.51	89.59	295.87	2,856.55	1,706.02	1,670.35	35.67	47.823	
11,500.00	11,367.53	11,412.90	11,367.53	21.76	16.56	89.59	295.87	2,856.55	1,706.02	1,670.24	35.79	47.673	
11,600.00	11,467.53	11,512.90	11,467.53	21.82	16.61	89.59	295.87	2,856.55	1,706.02	1,670.13	35.90	47.523	
11,686.47	11,554.00	11,599.37	11,554.00	21.86	16.66	89.59	295.87	2,856.55	1,706.02	1,670.03	35.99	47.402	
11,700.00	11,567.53	11,612.90	11,567.53	21.86	16.66	-89.92	295.87	2,856.55	1,706.02	1,670.03	36.00	47.392	
11,739.42	11,606.88	11,652.25	11,606.88	21.89	16.69	-90.00	295.87	2,856.55	1,706.02	1,670.01	36.01	47.378	CC
11,750.00	11,617.40	11,662.77	11,617.40	21.90	16.69	-90.04	295.87	2,856.55	1,706.02	1,670.01	36.01	47.375	
11,800.00	11,666.79	11,712.16	11,666.79	21.93	16.72	-90.29	295.87	2,856.55	1,706.04	1,670.03	36.01	47.375	
11,850.00	11,715.32	11,760.69	11,715.32	21.95	16.74	-90.67	295.87	2,856.55	1,706.15	1,670.15	36.00	47.391	
11,900.00	11,762.62	11,808.00	11,762.62	21.97	16.77	-91.15	295.87	2,856.55	1,706.42	1,670.44	35.98	47.425	
11,950.00	11,808.34	11,853.71	11,808.34	21.99	16.79	-91.72	295.87	2,856.55	1,706.98	1,671.02	35.95	47.477	
12,000.00	11,852.12	11,900.44	11,855.06	22.01	16.80	-92.37	295.48	2,856.55	1,707.94	1,672.02	35.92	47.545	
12,050.00	11,893.63	11,952.49	11,906.92	22.03	16.83	-93.09	291.21	2,856.59	1,709.27	1,673.36	35.91	47.605	
12,100.00	11,932.55	12,007.50	11,961.06	22.05	16.90	-93.81	281.60	2,856.68	1,710.92	1,675.00	35.93	47.623	
12,150.00	11,968.60	12,065.91	12,017.26	22.09	17.01	-94.53	265.77	2,856.82	1,712.87	1,676.88	36.00	47.584	
12,200.00	12,001.49	12,128.22	12,075.10	22.13	17.14	-95.26	242.68	2,857.03	1,715.07	1,678.94	36.13	47.473	
12,250.00	12,030.97	12,194.94	12,133.85	22.19	17.32	-95.99	211.15	2,857.32	1,717.43	1,681.10	36.33	47.268	
12,300.00	12,056.82	12,266.57	12,192.39	22.26	17.57	-96.70	169.95	2,857.69	1,719.87	1,683.24	36.63	46.950	
12,350.00	12,078.85	12,343.50	12,249.01	22.35	17.90	-97.39	117.95	2,858.17	1,722.28	1,685.25	37.03	46.513	
12,400.00	12,096.88	12,425.92	12,301.35	22.47	18.34	-98.02	54.38	2,858.74	1,724.52	1,686.99	37.53	45.948	
12,450.00	12,110.78	12,513.65	12,346.44	22.60	18.89	-98.57	-20.78	2,859.43	1,726.45	1,688.32	38.13	45.273	
12,500.00	12,120.45	12,606.05	12,380.94	22.75	19.55	-98.99	-106.39	2,860.21	1,727.94	1,689.12	38.82	44.515	
12,550.00	12,125.80	12,701.90	12,401.73	22.93	20.34	-99.25	-199.84	2,861.05	1,728.85	1,689.29	39.56	43.698	
12,581.47	12,126.94	12,763.25	12,406.73	23.05	20.87	-99.31	-260.94	2,861.61	1,729.10	1,689.05	40.05	43.179	
12,600.00	12,127.10	12,788.18	12,407.01	23.12	21.09	-99.32	-285.87	2,861.84	1,729.11	1,688.83	40.27	42.934	
12,700.00	12,127.97	12,888.18	12,407.54	23.56	22.02	-99.30	-385.87	2,862.75	1,729.10	1,687.64	41.45	41.711	
12,800.00	12,128.84	12,988.18	12,408.06	24.06	22.99	-99.29	-485.86	2,863.65	1,729.09	1,686.32	42.77	40.429	
12,900.00	12,129.71	13,088.18	12,408.59	24.61	23.99	-99.28	-585.86	2,864.56	1,729.08	1,684.87	44.21	39.114	
13,000.00	12,130.58	13,188.18	12,409.11	25.21	25.03	-99.27	-685.85	2,865.47	1,729.07	1,683.31	45.76	37.787	
13,100.00	12,131.46	13,288.18	12,409.64	25.87	26.09	-99.26	-785.84	2,866.38	1,729.06	1,681.65	47.41	36.468	
13,200.00	12,132.33	13,388.18	12,410.16	26.56	27.18	-99.25	-885.84	2,867.29	1,729.05	1,679.89	49.16	35.171	
13,300.00	12,133.20	13,488.18	12,410.69	27.30	28.29	-99.24	-985.83	2,868.20	1,729.04	1,678.05	50.99	33.906	
13,400.00	12,134.07	13,588.18	12,411.21	28.08	29.43	-99.22	-1,085.83	2,869.11	1,729.03	1,676.13	52.90	32.683	
13,500.00	12,134.94	13,688.18	12,411.74	28.90	30.58	-99.21	-1,185.82	2,870.01	1,729.02	1,674.14	54.88	31.505	
13,600.00	12,135.81	13,788.18	12,412.26	29.75	31.74	-99.20	-1,285.81	2,870.92	1,729.02	1,672.10	56.92	30.377	
13,700.00	12,136.69	13,888.18	12,412.79	30.63	32.93	-99.19	-1,385.81	2,871.83	1,729.01	1,669.99	59.01	29.299	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,137.56	13,988.18	12,413.31	31.55	34.12	-99.18	-1,485.80	2,872.74	1,729.00	1,667.84	61.16	28.272	
13,900.00	12,138.43	14,088.17	12,413.84	32.50	35.33	-99.17	-1,585.79	2,873.65	1,728.99	1,665.65	63.34	27.295	
14,000.00	12,139.30	14,188.17	12,414.36	33.47	36.55	-99.15	-1,685.79	2,874.56	1,728.98	1,663.41	65.57	26.368	
14,100.00	12,140.17	14,288.17	12,414.89	34.47	37.77	-99.14	-1,785.78	2,875.47	1,728.97	1,661.14	67.84	25.487	
14,200.00	12,141.04	14,388.17	12,415.41	35.49	39.01	-99.13	-1,885.78	2,876.37	1,728.97	1,658.83	70.13	24.653	
14,300.00	12,141.92	14,488.17	12,415.94	36.53	40.25	-99.12	-1,985.77	2,877.28	1,728.96	1,656.50	72.46	23.861	
14,400.00	12,142.79	14,588.17	12,416.46	37.59	41.51	-99.11	-2,085.76	2,878.19	1,728.95	1,654.14	74.81	23.111	
14,500.00	12,143.66	14,688.17	12,416.99	38.67	42.76	-99.10	-2,185.76	2,879.10	1,728.94	1,651.75	77.19	22.399	
14,600.00	12,144.53	14,788.17	12,417.51	39.77	44.03	-99.08	-2,285.75	2,880.01	1,728.93	1,649.34	79.59	21.723	
14,700.00	12,145.40	14,888.17	12,418.04	40.88	45.30	-99.07	-2,385.75	2,880.92	1,728.92	1,646.92	82.01	21.082	
14,800.00	12,146.27	14,988.17	12,418.56	42.01	46.58	-99.06	-2,485.74	2,881.83	1,728.92	1,644.47	84.45	20.474	
14,900.00	12,147.14	15,088.17	12,419.09	43.15	47.86	-99.05	-2,585.73	2,882.74	1,728.91	1,642.01	86.90	19.895	
15,000.00	12,148.02	15,188.17	12,419.61	44.31	49.14	-99.04	-2,685.73	2,883.64	1,728.90	1,639.53	89.37	19.346	
15,100.00	12,148.89	15,288.17	12,420.14	45.47	50.43	-99.03	-2,785.72	2,884.55	1,728.89	1,637.04	91.85	18.822	
15,200.00	12,149.76	15,388.17	12,420.66	46.65	51.73	-99.02	-2,885.71	2,885.46	1,728.89	1,634.54	94.35	18.324	
15,300.00	12,150.63	15,488.17	12,421.19	47.83	53.03	-99.00	-2,985.71	2,886.37	1,728.88	1,632.02	96.86	17.849	
15,400.00	12,151.50	15,588.17	12,421.71	49.03	54.33	-98.99	-3,085.70	2,887.28	1,728.87	1,629.49	99.38	17.397	
15,500.00	12,152.37	15,688.16	12,422.24	50.23	55.63	-98.98	-3,185.70	2,888.19	1,728.86	1,626.95	101.91	16.965	
15,600.00	12,153.25	15,788.16	12,422.76	51.45	56.94	-98.97	-3,285.69	2,889.10	1,728.86	1,624.41	104.45	16.552	
15,700.00	12,154.12	15,888.16	12,423.29	52.67	58.25	-98.96	-3,385.68	2,890.00	1,728.85	1,621.85	107.00	16.158	
15,800.00	12,154.99	15,988.16	12,423.81	53.89	59.56	-98.95	-3,485.68	2,890.91	1,728.84	1,619.29	109.55	15.781	
15,900.00	12,155.86	16,088.16	12,424.34	55.13	60.88	-98.93	-3,585.67	2,891.82	1,728.84	1,616.72	112.12	15.420	
16,000.00	12,156.73	16,188.16	12,424.86	56.37	62.19	-98.92	-3,685.67	2,892.73	1,728.83	1,614.14	114.69	15.074	
16,100.00	12,157.60	16,288.16	12,425.38	57.61	63.51	-98.91	-3,785.66	2,893.64	1,728.82	1,611.55	117.27	14.742	
16,200.00	12,158.48	16,388.16	12,425.91	58.86	64.83	-98.90	-3,885.65	2,894.55	1,728.81	1,608.96	119.85	14.424	
16,300.00	12,159.35	16,488.16	12,426.43	60.12	66.16	-98.89	-3,985.65	2,895.46	1,728.81	1,606.36	122.44	14.119	
16,400.00	12,160.22	16,588.16	12,426.96	61.38	67.48	-98.88	-4,085.64	2,896.37	1,728.80	1,603.76	125.04	13.826	
16,500.00	12,161.09	16,688.16	12,427.48	62.65	68.81	-98.86	-4,185.64	2,897.27	1,728.79	1,601.15	127.64	13.544	
16,600.00	12,161.96	16,788.16	12,428.01	63.92	70.14	-98.85	-4,285.63	2,898.18	1,728.79	1,598.54	130.25	13.273	
16,700.00	12,162.83	16,888.16	12,428.53	65.19	71.47	-98.84	-4,385.62	2,899.09	1,728.78	1,595.92	132.86	13.012	
16,800.00	12,163.71	16,988.16	12,429.06	66.47	72.80	-98.83	-4,485.62	2,900.00	1,728.77	1,593.30	135.47	12.761	
16,900.00	12,164.58	17,088.16	12,429.58	67.75	74.13	-98.82	-4,585.61	2,900.91	1,728.77	1,590.68	138.09	12.519	
17,000.00	12,165.45	17,188.16	12,430.11	69.04	75.47	-98.81	-4,685.60	2,901.82	1,728.76	1,588.05	140.71	12.286	
17,100.00	12,166.32	17,288.15	12,430.63	70.32	76.80	-98.79	-4,785.60	2,902.73	1,728.76	1,585.42	143.34	12.061	
17,200.00	12,167.19	17,388.15	12,431.16	71.61	78.14	-98.78	-4,885.59	2,903.63	1,728.75	1,582.78	145.97	11.843	
17,300.00	12,168.06	17,488.15	12,431.68	72.91	79.48	-98.77	-4,985.59	2,904.54	1,728.74	1,580.14	148.60	11.633	
17,400.00	12,168.94	17,588.15	12,432.21	74.21	80.81	-98.76	-5,085.58	2,905.45	1,728.74	1,577.50	151.24	11.431	
17,500.00	12,169.81	17,688.15	12,432.73	75.50	82.15	-98.75	-5,185.57	2,906.36	1,728.73	1,574.85	153.88	11.234	
17,600.00	12,170.68	17,788.15	12,433.26	76.81	83.49	-98.74	-5,285.57	2,907.27	1,728.73	1,572.21	156.52	11.045	
17,700.00	12,171.55	17,888.15	12,433.78	78.11	84.83	-98.73	-5,385.56	2,908.18	1,728.72	1,569.56	159.16	10.861	
17,800.00	12,172.42	17,988.15	12,434.31	79.42	86.18	-98.71	-5,485.56	2,909.09	1,728.71	1,566.90	161.81	10.684	
17,900.00	12,173.29	18,088.15	12,434.83	80.72	87.52	-98.70	-5,585.55	2,910.00	1,728.71	1,564.25	164.46	10.511	
18,000.00	12,174.17	18,188.15	12,435.36	82.03	88.86	-98.69	-5,685.54	2,910.90	1,728.70	1,561.59	167.11	10.345	
18,100.00	12,175.04	18,288.15	12,435.88	83.35	90.21	-98.68	-5,785.54	2,911.81	1,728.70	1,558.93	169.77	10.183	
18,200.00	12,175.91	18,388.15	12,436.41	84.66	91.55	-98.67	-5,885.53	2,912.72	1,728.69	1,556.27	172.42	10.026	
18,300.00	12,176.78	18,488.15	12,436.93	85.98	92.90	-98.66	-5,985.53	2,913.63	1,728.69	1,553.60	175.08	9.874	
18,400.00	12,177.65	18,588.15	12,437.46	87.29	94.25	-98.64	-6,085.52	2,914.54	1,728.68	1,550.94	177.74	9.726	
18,500.00	12,178.52	18,688.15	12,437.98	88.61	95.59	-98.63	-6,185.51	2,915.45	1,728.68	1,548.27	180.40	9.582	
18,600.00	12,179.39	18,788.15	12,438.51	89.93	96.94	-98.62	-6,285.51	2,916.36	1,728.67	1,545.60	183.07	9.443	
18,700.00	12,180.27	18,888.15	12,439.03	91.26	98.29	-98.61	-6,385.50	2,917.26	1,728.67	1,542.93	185.73	9.307	
18,800.00	12,181.14	18,988.14	12,439.56	92.58	99.64	-98.60	-6,485.49	2,918.17	1,728.66	1,540.26	188.40	9.175	
18,900.00	12,182.01	19,088.14	12,440.08	93.90	100.99	-98.59	-6,585.49	2,919.08	1,728.66	1,537.59	191.07	9.047	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	12,182.88	19,188.14	12,440.61	95.23	102.34	-98.57	-6,685.48	2,919.99	1,728.65	1,534.91	193.74	8.923	
19,100.00	12,183.75	19,288.14	12,441.13	96.56	103.69	-98.56	-6,785.48	2,920.90	1,728.65	1,532.24	196.41	8.801	
19,200.00	12,184.62	19,388.14	12,441.66	97.89	105.04	-98.55	-6,885.47	2,921.81	1,728.64	1,529.56	199.08	8.683	
19,300.00	12,185.50	19,488.14	12,442.18	99.22	106.39	-98.54	-6,985.46	2,922.72	1,728.64	1,526.88	201.76	8.568	
19,400.00	12,186.37	19,588.14	12,442.71	100.55	107.74	-98.53	-7,085.46	2,923.63	1,728.63	1,524.20	204.43	8.456	
19,500.00	12,187.24	19,688.14	12,443.23	101.88	109.10	-98.52	-7,185.45	2,924.53	1,728.63	1,521.52	207.11	8.346	
19,600.00	12,188.11	19,788.14	12,443.76	103.21	110.45	-98.51	-7,285.45	2,925.44	1,728.62	1,518.83	209.79	8.240	
19,700.00	12,188.98	19,888.14	12,444.28	104.54	111.80	-98.49	-7,385.44	2,926.35	1,728.62	1,516.15	212.47	8.136	
19,800.00	12,189.85	19,988.14	12,444.81	105.88	113.16	-98.48	-7,485.43	2,927.26	1,728.61	1,513.46	215.15	8.034	
19,900.00	12,190.73	20,088.14	12,445.33	107.21	114.51	-98.47	-7,585.43	2,928.17	1,728.61	1,510.78	217.83	7.936	
20,000.00	12,191.60	20,188.14	12,445.86	108.55	115.86	-98.46	-7,685.42	2,929.08	1,728.61	1,508.09	220.51	7.839	
20,100.00	12,192.47	20,288.14	12,446.38	109.89	117.22	-98.45	-7,785.42	2,929.99	1,728.60	1,505.40	223.20	7.745	
20,200.00	12,193.34	20,388.14	12,446.91	111.23	118.57	-98.44	-7,885.41	2,930.89	1,728.60	1,502.72	225.88	7.653	
20,300.00	12,194.21	20,488.14	12,447.43	112.56	119.93	-98.42	-7,985.40	2,931.80	1,728.59	1,500.03	228.57	7.563	
20,400.00	12,195.08	20,588.13	12,447.96	113.90	121.29	-98.41	-8,085.40	2,932.71	1,728.59	1,497.33	231.25	7.475	
20,500.00	12,195.96	20,688.13	12,448.48	115.24	122.64	-98.40	-8,185.39	2,933.62	1,728.59	1,494.64	233.94	7.389	
20,600.00	12,196.83	20,788.13	12,449.01	116.58	124.00	-98.39	-8,285.38	2,934.53	1,728.58	1,491.95	236.63	7.305	
20,700.00	12,197.70	20,888.13	12,449.53	117.93	125.35	-98.38	-8,385.38	2,935.44	1,728.58	1,489.26	239.32	7.223	
20,800.00	12,198.57	20,988.13	12,450.06	119.27	126.71	-98.37	-8,485.37	2,936.35	1,728.57	1,486.56	242.01	7.143	
20,900.00	12,199.44	21,088.13	12,450.58	120.61	128.07	-98.35	-8,585.37	2,937.25	1,728.57	1,483.87	244.70	7.064	
21,000.00	12,200.31	21,188.13	12,451.11	121.95	129.43	-98.34	-8,685.36	2,938.16	1,728.57	1,481.17	247.39	6.987	
21,100.00	12,201.19	21,288.13	12,451.63	123.30	130.78	-98.33	-8,785.35	2,939.07	1,728.56	1,478.48	250.09	6.912	
21,200.00	12,202.06	21,388.13	12,452.16	124.64	132.14	-98.32	-8,885.35	2,939.98	1,728.56	1,475.78	252.78	6.838	
21,300.00	12,202.93	21,488.13	12,452.68	125.99	133.50	-98.31	-8,985.34	2,940.89	1,728.56	1,473.08	255.47	6.766	
21,400.00	12,203.80	21,588.13	12,453.21	127.33	134.86	-98.30	-9,085.34	2,941.80	1,728.55	1,470.39	258.17	6.695	
21,500.00	12,204.67	21,688.13	12,453.73	128.68	136.22	-98.28	-9,185.33	2,942.71	1,728.55	1,467.69	260.86	6.626	
21,600.00	12,205.54	21,788.13	12,454.26	130.03	137.57	-98.27	-9,285.32	2,943.62	1,728.55	1,464.99	263.56	6.558	
21,700.00	12,206.41	21,888.13	12,454.78	131.37	138.93	-98.26	-9,385.32	2,944.52	1,728.54	1,462.29	266.26	6.492	
21,800.00	12,207.29	21,988.13	12,455.31	132.72	140.29	-98.25	-9,485.31	2,945.43	1,728.54	1,459.59	268.95	6.427	
21,900.00	12,208.16	22,088.13	12,455.83	134.07	141.65	-98.24	-9,585.31	2,946.34	1,728.54	1,456.89	271.65	6.363	
22,000.00	12,209.03	22,188.13	12,456.36	135.42	143.01	-98.23	-9,685.30	2,947.25	1,728.54	1,454.19	274.35	6.300	
22,100.00	12,209.90	22,288.12	12,456.88	136.77	144.37	-98.22	-9,785.29	2,948.16	1,728.53	1,451.49	277.05	6.239	
22,200.00	12,210.77	22,388.12	12,457.41	138.12	145.73	-98.20	-9,885.29	2,949.07	1,728.53	1,448.78	279.75	6.179	
22,300.00	12,211.64	22,488.12	12,457.93	139.47	147.09	-98.19	-9,985.28	2,949.98	1,728.53	1,446.08	282.45	6.120	
22,400.00	12,212.52	22,588.12	12,458.46	140.82	148.45	-98.18	-10,085.27	2,950.88	1,728.53	1,443.38	285.15	6.062	
22,500.00	12,213.39	22,688.12	12,458.98	142.17	149.81	-98.17	-10,185.27	2,951.79	1,728.52	1,440.67	287.85	6.005	
22,512.90	12,213.50	22,701.02	12,459.05	142.34	149.99	-98.17	-10,198.16	2,951.91	1,728.52	1,440.32	288.20	5.998	ES, SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	-171.12	-160.00	-25.00	161.94				
100.00	100.00	100.00	100.00	0.98	0.98	-171.12	-160.00	-25.00	161.94	159.98	1.96	82.531	
200.00	200.00	200.00	200.00	1.56	1.56	-171.12	-160.00	-25.00	161.94	158.82	3.12	51.867	
300.00	300.00	300.00	300.00	1.98	1.98	-171.12	-160.00	-25.00	161.94	157.98	3.96	40.870	
400.00	399.99	402.77	402.76	2.41	2.42	113.55	-158.95	-25.90	161.59	156.88	4.71	34.289	
500.00	499.91	505.23	505.13	2.78	2.80	116.01	-155.82	-28.59	160.73	155.37	5.36	29.981	
600.00	599.69	607.06	606.73	3.12	3.13	120.11	-150.65	-33.04	159.93	154.00	5.93	26.950	
631.99	631.57	639.31	638.87	3.15	3.17	121.75	-148.58	-34.82	159.85	153.85	5.99	26.675	CC
633.33	632.91	640.65	640.20	3.15	3.17	121.82	-148.50	-34.89	159.85	153.85	6.00	26.661	ES
700.00	699.32	706.58	705.88	3.25	3.28	125.31	-144.14	-38.64	160.18	153.96	6.22	25.771	
800.00	798.94	805.48	804.40	3.50	3.53	130.50	-137.60	-44.26	161.80	155.08	6.72	24.071	
900.00	898.56	904.37	902.92	3.74	3.77	135.54	-131.07	-49.88	164.75	157.54	7.21	22.858	
1,000.00	998.18	1,003.27	1,001.44	3.97	4.00	140.37	-124.53	-55.50	168.94	161.27	7.68	22.009	
1,100.00	1,097.80	1,102.17	1,099.96	4.20	4.23	144.95	-118.00	-61.12	174.30	166.17	8.13	21.436	
1,200.00	1,197.42	1,201.07	1,198.48	4.42	4.45	149.23	-111.46	-66.74	180.72	172.14	8.58	21.060	
1,300.00	1,297.04	1,299.93	1,296.85	4.64	4.70	153.57	-103.99	-73.16	188.09	179.08	9.01	20.872	
1,400.00	1,396.66	1,398.02	1,394.17	4.86	4.96	158.27	-94.67	-81.17	196.69	187.24	9.45	20.819	
1,500.00	1,496.28	1,495.79	1,490.89	5.07	5.10	163.11	-83.86	-90.47	206.88	197.07	9.80	21.100	
1,600.00	1,595.90	1,593.73	1,587.75	5.28	5.31	167.52	-72.88	-99.91	218.48	208.24	10.24	21.338	
1,700.00	1,695.52	1,691.67	1,684.62	5.48	5.52	171.49	-61.90	-109.36	231.26	220.59	10.67	21.673	
1,800.00	1,795.14	1,789.61	1,781.48	5.69	5.73	175.03	-50.92	-118.80	245.03	233.94	11.10	22.083	
1,900.00	1,894.76	1,887.56	1,878.35	5.89	5.94	178.20	-39.94	-128.24	259.65	248.13	11.52	22.546	
2,000.00	1,994.38	1,985.50	1,975.22	6.09	6.15	-178.98	-28.96	-137.68	274.97	263.04	11.93	23.045	
2,100.00	2,094.00	2,083.44	2,072.08	6.29	6.36	-176.45	-17.98	-147.12	290.88	278.54	12.34	23.566	
2,200.00	2,193.62	2,181.38	2,168.95	6.50	6.56	-174.19	-7.00	-156.56	307.30	294.54	12.76	24.081	
2,206.41	2,200.00	2,187.66	2,175.16	6.52	6.58	-174.05	-6.30	-157.17	308.37	295.58	12.79	24.115	
2,300.00	2,293.13	2,279.14	2,265.63	6.72	6.77	-172.15	3.96	-165.99	325.26	312.08	13.18	24.678	
2,400.00	2,392.34	2,376.44	2,361.86	6.95	6.97	-170.38	14.86	-175.37	346.09	332.48	13.61	25.423	
2,500.00	2,491.20	2,473.21	2,457.57	7.18	7.17	-168.86	25.71	-184.70	369.70	355.65	14.04	26.325	
2,600.00	2,589.63	2,569.38	2,552.68	7.41	7.37	-167.58	36.49	-193.97	395.98	381.51	14.47	27.363	
2,700.00	2,687.57	2,664.89	2,647.14	7.65	7.57	-166.52	47.20	-203.18	424.85	409.95	14.90	28.520	
2,800.00	2,784.94	2,759.67	2,740.88	7.88	7.77	-165.64	57.83	-212.31	456.23	440.91	15.32	29.779	
2,873.30	2,855.92	2,828.65	2,809.10	8.02	7.91	-165.10	65.56	-218.96	480.79	465.19	15.60	30.818	
2,900.00	2,881.71	2,853.70	2,833.87	8.06	7.96	-164.96	68.37	-221.38	489.98	474.29	15.69	31.223	
3,000.00	2,978.30	2,947.50	2,926.64	8.28	8.16	-164.48	78.88	-230.42	524.41	508.32	16.09	32.590	
3,100.00	3,074.89	3,041.30	3,019.41	8.49	8.35	-164.06	89.40	-239.46	558.86	542.37	16.49	33.889	
3,200.00	3,171.49	3,135.10	3,112.18	8.71	8.55	-163.68	99.91	-248.50	593.34	576.45	16.89	35.126	
3,300.00	3,268.08	3,228.90	3,204.95	8.93	8.74	-163.35	110.43	-257.55	627.84	610.55	17.29	36.303	
3,400.00	3,364.67	3,322.70	3,297.72	9.16	8.93	-163.05	120.94	-266.59	662.36	644.66	17.70	37.425	
3,500.00	3,461.26	3,416.50	3,390.49	9.42	9.13	-162.78	131.46	-275.63	696.89	678.79	18.10	38.494	
3,600.00	3,557.85	3,510.30	3,483.26	9.70	9.32	-162.54	141.97	-284.67	731.43	712.92	18.51	39.515	
3,700.00	3,654.44	3,604.10	3,576.03	10.00	9.51	-162.32	152.49	-293.72	765.99	747.07	18.92	40.491	
3,800.00	3,751.03	3,697.91	3,668.80	10.30	9.70	-162.11	163.00	-302.76	800.55	781.23	19.33	41.423	
3,900.00	3,847.62	3,791.71	3,761.57	10.61	9.90	-161.93	173.52	-311.80	835.12	815.39	19.74	42.316	
4,000.00	3,944.21	3,885.51	3,854.34	10.93	10.09	-161.76	184.03	-320.84	869.70	849.56	20.15	43.170	
4,100.00	4,040.80	3,979.31	3,947.11	11.25	10.28	-161.60	194.55	-329.89	904.29	883.73	20.56	43.988	
4,200.00	4,137.40	4,073.11	4,039.88	11.57	10.48	-161.45	205.06	-338.93	938.88	917.91	20.97	44.773	
4,300.00	4,233.99	4,166.91	4,132.65	11.89	10.67	-161.32	215.58	-347.97	973.47	952.09	21.38	45.526	
4,400.00	4,330.58	4,260.71	4,225.42	12.21	10.86	-161.19	226.09	-357.01	1,008.07	986.28	21.80	46.249	
4,500.00	4,427.17	4,354.51	4,318.19	12.54	11.05	-161.07	236.61	-366.06	1,042.68	1,020.47	22.21	46.947	
4,600.00	4,523.76	4,461.36	4,423.94	12.87	11.27	-160.97	248.16	-376.00	1,076.97	1,054.29	22.67	47.497	
4,700.00	4,620.35	4,579.99	4,541.78	13.20	11.52	-160.99	258.55	-384.93	1,109.40	1,086.23	23.17	47.872	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,700.30	4,661.65	13.53	11.76	-161.14	266.25	-391.55	1,139.74	1,116.09	23.65	48.191	
4,900.00	4,813.53	4,822.07	4,783.25	13.86	11.98	-161.43	271.12	-395.74	1,167.94	1,143.85	24.09	48.473	
5,000.00	4,910.12	4,945.09	4,906.24	14.19	12.16	-161.85	273.06	-397.40	1,194.01	1,169.53	24.48	48.770	
5,100.00	5,006.72	5,045.57	5,006.72	14.53	12.23	-162.24	273.09	-397.43	1,218.74	1,193.97	24.77	49.200	
5,200.00	5,103.31	5,142.16	5,103.31	14.86	12.31	-162.60	273.09	-397.43	1,243.49	1,218.42	25.07	49.596	
5,300.00	5,199.90	5,238.75	5,199.90	15.20	12.38	-162.95	273.09	-397.43	1,268.29	1,242.92	25.37	49.984	
5,400.00	5,296.49	5,335.34	5,296.49	15.53	12.46	-163.28	273.09	-397.43	1,293.13	1,267.46	25.68	50.364	
5,500.00	5,393.08	5,431.93	5,393.08	15.87	12.54	-163.61	273.09	-397.43	1,318.02	1,292.04	25.98	50.737	
5,600.00	5,489.67	5,528.52	5,489.67	16.21	12.62	-163.92	273.09	-397.43	1,342.94	1,316.66	26.28	51.102	
5,700.00	5,586.26	5,625.11	5,586.26	16.55	12.70	-164.22	273.09	-397.43	1,367.89	1,341.31	26.58	51.459	
5,800.00	5,682.85	5,721.71	5,682.85	16.89	12.78	-164.51	273.09	-397.43	1,392.88	1,366.00	26.88	51.810	
5,900.00	5,779.44	5,818.30	5,779.44	17.23	12.86	-164.79	273.09	-397.43	1,417.91	1,390.72	27.19	52.153	
5,915.24	5,794.17	5,833.02	5,794.17	17.27	12.87	-164.83	273.09	-397.43	1,421.72	1,394.49	27.23	52.216	
6,000.00	5,876.27	5,915.12	5,876.27	17.54	12.94	-165.13	273.09	-397.43	1,442.08	1,414.60	27.48	52.476	
6,100.00	5,973.71	6,012.57	5,973.71	17.85	13.02	-165.44	273.09	-397.43	1,463.84	1,436.05	27.79	52.679	
6,200.00	6,071.71	6,110.56	6,071.71	18.12	13.10	-165.70	273.09	-397.43	1,483.14	1,455.05	28.09	52.799	
6,300.00	6,170.19	6,209.05	6,170.19	18.37	13.18	-165.93	273.09	-397.43	1,499.96	1,471.57	28.39	52.840	
6,400.00	6,269.10	6,307.95	6,269.10	18.59	13.26	-166.12	273.09	-397.43	1,514.28	1,485.61	28.68	52.806	
6,500.00	6,368.35	6,407.20	6,368.35	18.78	13.34	-166.27	273.09	-397.43	1,526.09	1,497.13	28.96	52.700	
6,600.00	6,467.89	6,506.74	6,467.89	18.94	13.42	-166.38	273.09	-397.43	1,535.38	1,506.15	29.23	52.526	
6,700.00	6,567.65	6,606.50	6,567.65	19.07	13.50	-166.47	273.09	-397.43	1,542.13	1,512.64	29.49	52.290	
6,800.00	6,667.55	6,706.40	6,667.55	19.18	13.59	-166.52	273.09	-397.43	1,546.34	1,516.60	29.74	51.997	
6,900.00	6,767.53	6,806.39	6,767.53	19.26	13.67	-166.54	273.09	-397.43	1,548.01	1,518.04	29.96	51.667	
6,915.47	6,783.00	6,821.85	6,783.00	19.26	13.68	-90.39	273.09	-397.43	1,548.04	1,518.06	29.98	51.635	
7,000.00	6,867.53	6,906.39	6,867.53	19.30	13.75	-90.39	273.09	-397.43	1,548.04	1,517.95	30.08	51.458	
7,100.00	6,967.53	7,006.39	6,967.53	19.35	13.83	-90.39	273.09	-397.43	1,548.04	1,517.82	30.21	51.234	
7,200.00	7,067.53	7,106.39	7,067.53	19.40	13.91	-90.39	273.09	-397.43	1,548.04	1,517.69	30.35	51.012	
7,300.00	7,167.53	7,206.39	7,167.53	19.45	14.00	-90.39	273.09	-397.43	1,548.04	1,517.56	30.48	50.791	
7,400.00	7,267.53	7,306.39	7,267.53	19.50	14.08	-90.39	273.09	-397.43	1,548.04	1,517.42	30.61	50.571	
7,500.00	7,367.53	7,406.39	7,367.53	19.55	14.16	-90.39	273.09	-397.43	1,548.04	1,517.29	30.74	50.353	
7,600.00	7,467.53	7,506.39	7,467.53	19.60	14.24	-90.39	273.09	-397.43	1,548.04	1,517.16	30.88	50.137	
7,700.00	7,567.53	7,606.39	7,567.53	19.65	14.32	-90.39	273.09	-397.43	1,548.04	1,517.03	31.01	49.922	
7,800.00	7,667.53	7,706.39	7,667.53	19.71	14.41	-90.39	273.09	-397.43	1,548.04	1,516.89	31.14	49.708	
7,900.00	7,767.53	7,806.39	7,767.53	19.76	14.49	-90.39	273.09	-397.43	1,548.04	1,516.76	31.28	49.496	
8,000.00	7,867.53	7,906.39	7,867.53	19.81	14.57	-90.39	273.09	-397.43	1,548.04	1,516.63	31.41	49.285	
8,100.00	7,967.53	8,006.39	7,967.53	19.86	14.65	-90.39	273.09	-397.43	1,548.04	1,516.49	31.54	49.076	
8,200.00	8,067.53	8,106.39	8,067.53	19.92	14.73	-90.39	273.09	-397.43	1,548.04	1,516.36	31.68	48.868	
8,300.00	8,167.53	8,206.39	8,167.53	19.97	14.82	-90.39	273.09	-397.43	1,548.04	1,516.22	31.81	48.662	
8,400.00	8,267.53	8,306.39	8,267.53	20.02	14.90	-90.39	273.09	-397.43	1,548.04	1,516.09	31.95	48.457	
8,500.00	8,367.53	8,406.39	8,367.53	20.08	14.98	-90.39	273.09	-397.43	1,548.04	1,515.95	32.08	48.253	
8,600.00	8,467.53	8,506.39	8,467.53	20.13	15.06	-90.39	273.09	-397.43	1,548.04	1,515.82	32.22	48.051	
8,700.00	8,567.53	8,606.39	8,567.53	20.18	15.14	-90.39	273.09	-397.43	1,548.04	1,515.68	32.35	47.850	
8,800.00	8,667.53	8,706.39	8,667.53	20.24	15.23	-90.39	273.09	-397.43	1,548.04	1,515.55	32.49	47.650	
8,900.00	8,767.53	8,806.39	8,767.53	20.29	15.31	-90.39	273.09	-397.43	1,548.04	1,515.41	32.62	47.452	
9,000.00	8,867.53	8,906.39	8,867.53	20.35	15.39	-90.39	273.09	-397.43	1,548.04	1,515.28	32.76	47.255	
9,100.00	8,967.53	9,006.39	8,967.53	20.40	15.47	-90.39	273.09	-397.43	1,548.04	1,515.14	32.90	47.059	
9,200.00	9,067.53	9,106.39	9,067.53	20.45	15.56	-90.39	273.09	-397.43	1,548.04	1,515.00	33.03	46.865	
9,300.00	9,167.53	9,206.39	9,167.53	20.51	15.64	-90.39	273.09	-397.43	1,548.04	1,514.87	33.17	46.672	
9,400.00	9,267.53	9,306.39	9,267.53	20.56	15.72	-90.39	273.09	-397.43	1,548.04	1,514.73	33.31	46.480	
9,500.00	9,367.53	9,406.39	9,367.53	20.62	15.80	-90.39	273.09	-397.43	1,548.04	1,514.59	33.44	46.290	
9,600.00	9,467.53	9,506.39	9,467.53	20.68	15.88	-90.39	273.09	-397.43	1,548.04	1,514.46	33.58	46.101	
9,700.00	9,567.53	9,606.39	9,567.53	20.73	15.97	-90.39	273.09	-397.43	1,548.04	1,514.32	33.72	45.913	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,667.53	9,706.39	9,667.53	20.79	16.05	-90.39	273.09	-397.43	1,548.04	1,514.18	33.85	45.726	
9,900.00	9,767.53	9,806.39	9,767.53	20.84	16.13	-90.39	273.09	-397.43	1,548.04	1,514.04	33.99	45.541	
10,000.00	9,867.53	9,906.39	9,867.53	20.90	16.21	-90.39	273.09	-397.43	1,548.04	1,513.91	34.13	45.357	
10,100.00	9,967.53	10,006.39	9,967.53	20.95	16.29	-90.39	273.09	-397.43	1,548.04	1,513.77	34.27	45.174	
10,200.00	10,067.53	10,106.39	10,067.53	21.01	16.38	-90.39	273.09	-397.43	1,548.04	1,513.63	34.41	44.993	
10,300.00	10,167.53	10,206.39	10,167.53	21.07	16.46	-90.39	273.09	-397.43	1,548.04	1,513.49	34.54	44.812	
10,400.00	10,267.53	10,306.39	10,267.53	21.12	16.54	-90.39	273.09	-397.43	1,548.04	1,513.35	34.68	44.633	
10,500.00	10,367.53	10,406.39	10,367.53	21.18	16.62	-90.39	273.09	-397.43	1,548.04	1,513.21	34.82	44.455	
10,600.00	10,467.53	10,506.39	10,467.53	21.24	16.70	-90.39	273.09	-397.43	1,548.04	1,513.07	34.96	44.278	
10,700.00	10,567.53	10,606.39	10,567.53	21.30	16.79	-90.39	273.09	-397.43	1,548.04	1,512.93	35.10	44.102	
10,800.00	10,667.53	10,706.39	10,667.53	21.35	16.87	-90.39	273.09	-397.43	1,548.04	1,512.80	35.24	43.928	
10,900.00	10,767.53	10,806.39	10,767.53	21.41	16.95	-90.39	273.09	-397.43	1,548.04	1,512.66	35.38	43.755	
11,000.00	10,867.53	10,906.39	10,867.53	21.47	17.03	-90.39	273.09	-397.43	1,548.04	1,512.52	35.52	43.582	
11,100.00	10,967.53	11,006.39	10,967.53	21.53	17.12	-90.39	273.09	-397.43	1,548.04	1,512.38	35.66	43.411	
11,200.00	11,067.53	11,106.39	11,067.53	21.58	17.20	-90.39	273.09	-397.43	1,548.04	1,512.24	35.80	43.241	
11,300.00	11,167.53	11,206.39	11,167.53	21.64	17.28	-90.39	273.09	-397.43	1,548.04	1,512.10	35.94	43.073	
11,400.00	11,267.53	11,306.39	11,267.53	21.70	17.36	-90.39	273.09	-397.43	1,548.04	1,511.96	36.08	42.905	
11,500.00	11,367.53	11,406.39	11,367.53	21.76	17.44	-90.39	273.09	-397.43	1,548.04	1,511.81	36.22	42.738	
11,600.00	11,467.53	11,506.39	11,467.53	21.82	17.53	-90.39	273.09	-397.43	1,548.04	1,511.67	36.36	42.573	
11,686.47	11,554.00	11,592.85	11,554.00	21.86	17.60	-90.39	273.09	-397.43	1,548.04	1,511.56	36.48	42.438	
11,700.00	11,567.53	11,606.38	11,567.53	21.86	17.61	90.11	273.09	-397.43	1,548.04	1,511.55	36.49	42.425	
11,750.00	11,617.40	11,656.26	11,617.40	21.90	17.65	90.23	273.09	-397.43	1,548.05	1,511.53	36.52	42.390	
11,800.00	11,666.79	11,705.64	11,666.79	21.93	17.69	90.51	273.09	-397.43	1,548.10	1,511.56	36.54	42.366	
11,850.00	11,715.32	11,754.17	11,715.32	21.95	17.73	90.92	273.09	-397.43	1,548.25	1,511.70	36.55	42.355	
11,900.00	11,762.62	11,801.48	11,762.62	21.97	17.77	91.45	273.09	-397.43	1,548.61	1,512.05	36.56	42.359	
11,950.00	11,808.34	11,847.19	11,808.34	21.99	17.81	92.07	273.09	-397.43	1,549.29	1,512.73	36.56	42.381	
12,000.00	11,852.12	11,890.97	11,852.12	22.01	17.84	92.73	273.09	-397.43	1,550.45	1,513.90	36.55	42.423	
12,050.00	11,893.63	11,932.48	11,893.63	22.03	17.87	93.40	273.09	-397.43	1,552.25	1,515.72	36.53	42.496	
12,100.00	11,932.55	11,971.41	11,932.55	22.05	17.90	94.04	273.09	-397.43	1,554.87	1,518.37	36.50	42.598	
12,150.00	11,968.60	12,021.86	11,982.96	22.09	17.91	94.93	271.24	-397.41	1,558.35	1,521.91	36.44	42.766	
12,200.00	12,001.49	12,078.80	12,039.40	22.13	17.93	95.90	263.87	-397.35	1,562.50	1,526.15	36.35	42.981	
12,250.00	12,030.97	12,142.13	12,100.95	22.19	17.94	96.93	249.13	-397.22	1,567.23	1,530.97	36.26	43.222	
12,300.00	12,056.82	12,213.69	12,168.07	22.26	17.96	98.04	224.43	-397.01	1,572.42	1,536.24	36.17	43.469	
12,350.00	12,078.85	12,295.85	12,240.62	22.35	17.98	99.25	186.03	-396.68	1,577.85	1,541.73	36.12	43.682	
12,400.00	12,096.88	12,391.35	12,317.03	22.47	18.00	100.54	128.92	-396.19	1,583.22	1,547.08	36.14	43.809	
12,450.00	12,110.78	12,502.86	12,392.78	22.60	18.04	101.85	47.34	-395.49	1,588.11	1,551.83	36.28	43.778	
12,500.00	12,120.45	12,631.52	12,458.65	22.75	18.11	103.00	-62.86	-394.54	1,591.98	1,555.40	36.58	43.520	
12,550.00	12,125.80	12,774.81	12,501.07	22.93	18.24	103.75	-199.33	-393.36	1,594.28	1,557.23	37.05	43.034	
12,581.47	12,126.94	12,869.23	12,509.92	23.05	18.37	103.90	-293.22	-392.55	1,594.71	1,557.32	37.39	42.651	
12,600.00	12,127.10	12,888.84	12,510.09	23.12	18.40	103.90	-312.83	-392.39	1,594.71	1,557.23	37.48	42.549	
12,700.00	12,127.97	12,988.84	12,510.97	23.56	18.60	103.90	-412.82	-391.52	1,594.71	1,556.63	38.08	41.874	
12,800.00	12,128.84	13,088.84	12,511.84	24.06	18.85	103.90	-512.82	-390.66	1,594.71	1,555.85	38.86	41.037	
12,900.00	12,129.71	13,188.84	12,512.71	24.61	19.17	103.90	-612.81	-389.80	1,594.72	1,554.91	39.80	40.066	
13,000.00	12,130.58	13,288.84	12,513.59	25.21	19.57	103.90	-712.80	-388.94	1,594.72	1,553.82	40.90	38.992	
13,100.00	12,131.46	13,388.84	12,514.46	25.87	20.05	103.90	-812.79	-388.08	1,594.72	1,552.58	42.14	37.846	
13,200.00	12,132.33	13,488.84	12,515.33	26.56	20.63	103.90	-912.79	-387.22	1,594.72	1,551.21	43.51	36.656	
13,300.00	12,133.20	13,588.84	12,516.21	27.30	21.29	103.90	-1,012.78	-386.36	1,594.72	1,549.73	44.99	35.445	
13,400.00	12,134.07	13,688.84	12,517.08	28.08	22.03	103.90	-1,112.77	-385.50	1,594.72	1,548.14	46.58	34.233	
13,500.00	12,134.94	13,788.84	12,517.95	28.90	22.84	103.90	-1,212.76	-384.64	1,594.72	1,546.45	48.27	33.036	
13,600.00	12,135.81	13,888.84	12,518.83	29.75	23.70	103.90	-1,312.76	-383.78	1,594.72	1,544.67	50.05	31.864	
13,700.00	12,136.69	13,988.84	12,519.70	30.63	24.62	103.90	-1,412.75	-382.92	1,594.72	1,542.82	51.90	30.727	
13,800.00	12,137.56	14,088.84	12,520.57	31.55	25.59	103.90	-1,512.74	-382.05	1,594.72	1,540.90	53.82	29.630	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,138.43	14,188.84	12,521.45	32.50	26.59	103.90	-1,612.73	-381.19	1,594.72	1,538.92	55.80	28.577	
14,000.00	12,139.30	14,288.84	12,522.32	33.47	27.63	103.90	-1,712.73	-380.33	1,594.72	1,536.88	57.84	27.570	
14,100.00	12,140.17	14,388.84	12,523.19	34.47	28.70	103.90	-1,812.72	-379.47	1,594.72	1,534.79	59.93	26.609	
14,200.00	12,141.04	14,488.84	12,524.07	35.49	29.79	103.90	-1,912.71	-378.61	1,594.73	1,532.66	62.06	25.695	
14,300.00	12,141.92	14,588.84	12,524.94	36.53	30.91	103.90	-2,012.70	-377.75	1,594.73	1,530.49	64.24	24.826	
14,400.00	12,142.79	14,688.84	12,525.81	37.59	32.05	103.90	-2,112.70	-376.89	1,594.73	1,528.28	66.45	24.000	
14,500.00	12,143.66	14,788.84	12,526.68	38.67	33.21	103.90	-2,212.69	-376.03	1,594.73	1,526.04	68.69	23.217	
14,600.00	12,144.53	14,888.84	12,527.56	39.77	34.38	103.90	-2,312.68	-375.17	1,594.73	1,523.77	70.96	22.473	
14,700.00	12,145.40	14,988.84	12,528.43	40.88	35.57	103.90	-2,412.67	-374.31	1,594.73	1,521.47	73.26	21.768	
14,800.00	12,146.27	15,088.84	12,529.30	42.01	36.77	103.90	-2,512.67	-373.45	1,594.73	1,519.15	75.58	21.099	
14,900.00	12,147.14	15,188.84	12,530.18	43.15	37.98	103.90	-2,612.66	-372.58	1,594.73	1,516.80	77.93	20.464	
15,000.00	12,148.02	15,288.84	12,531.05	44.31	39.21	103.90	-2,712.65	-371.72	1,594.73	1,514.44	80.29	19.861	
15,100.00	12,148.89	15,388.84	12,531.92	45.47	40.44	103.90	-2,812.64	-370.86	1,594.73	1,512.05	82.68	19.289	
15,200.00	12,149.76	15,488.84	12,532.80	46.65	41.69	103.90	-2,912.64	-370.00	1,594.73	1,509.65	85.08	18.744	
15,300.00	12,150.63	15,588.84	12,533.67	47.83	42.94	103.90	-3,012.63	-369.14	1,594.73	1,507.24	87.49	18.227	
15,400.00	12,151.50	15,688.84	12,534.54	49.03	44.19	103.90	-3,112.62	-368.28	1,594.73	1,504.81	89.93	17.734	
15,500.00	12,152.37	15,788.84	12,535.42	50.23	45.46	103.90	-3,212.61	-367.42	1,594.73	1,502.37	92.37	17.265	
15,600.00	12,153.25	15,888.84	12,536.29	51.45	46.73	103.90	-3,312.61	-366.56	1,594.74	1,499.91	94.83	16.818	
15,700.00	12,154.12	15,988.84	12,537.16	52.67	48.01	103.90	-3,412.60	-365.70	1,594.74	1,497.44	97.29	16.391	
15,800.00	12,154.99	16,088.84	12,538.04	53.89	49.29	103.90	-3,512.59	-364.84	1,594.74	1,494.97	99.77	15.984	
15,900.00	12,155.86	16,188.84	12,538.91	55.13	50.57	103.90	-3,612.58	-363.97	1,594.74	1,492.48	102.26	15.595	
16,000.00	12,156.73	16,288.84	12,539.78	56.37	51.86	103.90	-3,712.58	-363.11	1,594.74	1,489.99	104.75	15.224	
16,100.00	12,157.60	16,388.84	12,540.66	57.61	53.16	103.90	-3,812.57	-362.25	1,594.74	1,487.48	107.26	14.868	
16,200.00	12,158.48	16,488.84	12,541.53	58.86	54.46	103.90	-3,912.56	-361.39	1,594.74	1,484.97	109.77	14.528	
16,300.00	12,159.35	16,588.84	12,542.40	60.12	55.76	103.90	-4,012.55	-360.53	1,594.74	1,482.45	112.29	14.202	
16,400.00	12,160.22	16,688.84	12,543.28	61.38	57.06	103.90	-4,112.55	-359.67	1,594.74	1,479.93	114.81	13.890	
16,500.00	12,161.09	16,788.84	12,544.15	62.65	58.37	103.90	-4,212.54	-358.81	1,594.74	1,477.40	117.35	13.590	
16,600.00	12,161.96	16,888.84	12,545.02	63.92	59.68	103.90	-4,312.53	-357.95	1,594.74	1,474.86	119.89	13.302	
16,700.00	12,162.83	16,988.84	12,545.90	65.19	61.00	103.90	-4,412.52	-357.09	1,594.74	1,472.31	122.43	13.026	
16,800.00	12,163.71	17,088.84	12,546.77	66.47	62.31	103.90	-4,512.52	-356.23	1,594.74	1,469.77	124.98	12.760	
16,900.00	12,164.58	17,188.84	12,547.64	67.75	63.63	103.90	-4,612.51	-355.37	1,594.75	1,467.21	127.53	12.505	
17,000.00	12,165.45	17,288.84	12,548.52	69.04	64.95	103.90	-4,712.50	-354.50	1,594.75	1,464.66	130.09	12.259	
17,100.00	12,166.32	17,388.84	12,549.39	70.32	66.27	103.90	-4,812.49	-353.64	1,594.75	1,462.09	132.65	12.022	
17,200.00	12,167.19	17,488.84	12,550.26	71.61	67.60	103.90	-4,912.49	-352.78	1,594.75	1,459.53	135.22	11.794	
17,300.00	12,168.06	17,588.84	12,551.14	72.91	68.93	103.90	-5,012.48	-351.92	1,594.75	1,456.96	137.79	11.574	
17,400.00	12,168.94	17,688.84	12,552.01	74.21	70.25	103.90	-5,112.47	-351.06	1,594.75	1,454.38	140.37	11.361	
17,500.00	12,169.81	17,788.84	12,552.88	75.50	71.58	103.90	-5,212.46	-350.20	1,594.75	1,451.81	142.94	11.156	
17,600.00	12,170.68	17,888.84	12,553.76	76.81	72.91	103.90	-5,312.46	-349.34	1,594.75	1,449.23	145.53	10.959	
17,700.00	12,171.55	17,988.84	12,554.63	78.11	74.25	103.90	-5,412.45	-348.48	1,594.75	1,446.64	148.11	10.767	
17,800.00	12,172.42	18,088.84	12,555.50	79.42	75.58	103.90	-5,512.44	-347.62	1,594.75	1,444.06	150.70	10.583	
17,900.00	12,173.29	18,188.84	12,556.37	80.72	76.92	103.90	-5,612.43	-346.76	1,594.75	1,441.47	153.29	10.404	
18,000.00	12,174.17	18,288.84	12,557.25	82.03	78.25	103.90	-5,712.43	-345.90	1,594.75	1,438.87	155.88	10.231	
18,100.00	12,175.04	18,388.84	12,558.12	83.35	79.59	103.90	-5,812.42	-345.03	1,594.75	1,436.28	158.47	10.063	
18,200.00	12,175.91	18,488.84	12,558.99	84.66	80.93	103.90	-5,912.41	-344.17	1,594.76	1,433.68	161.07	9.901	
18,300.00	12,176.78	18,588.84	12,559.87	85.98	82.27	103.90	-6,012.40	-343.31	1,594.76	1,431.08	163.67	9.744	
18,400.00	12,177.65	18,688.84	12,560.74	87.29	83.61	103.90	-6,112.40	-342.45	1,594.76	1,428.48	166.27	9.591	
18,500.00	12,178.52	18,788.84	12,561.61	88.61	84.95	103.90	-6,212.39	-341.59	1,594.76	1,425.88	168.88	9.443	
18,600.00	12,179.39	18,888.84	12,562.49	89.93	86.29	103.90	-6,312.38	-340.73	1,594.76	1,423.27	171.48	9.300	
18,700.00	12,180.27	18,988.84	12,563.36	91.26	87.64	103.90	-6,412.37	-339.87	1,594.76	1,420.67	174.09	9.160	
18,800.00	12,181.14	19,088.84	12,564.23	92.58	88.98	103.90	-6,512.37	-339.01	1,594.76	1,418.06	176.70	9.025	
18,900.00	12,182.01	19,188.84	12,565.11	93.90	90.32	103.90	-6,612.36	-338.15	1,594.76	1,415.45	179.31	8.894	
19,000.00	12,182.88	19,288.84	12,565.98	95.23	91.67	103.90	-6,712.35	-337.29	1,594.76	1,412.83	181.93	8.766	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	12,183.75	19,388.84	12,566.85	96.56	93.02	103.90	-6,812.34	-336.43	1,594.76	1,410.22	184.54	8.642	
19,200.00	12,184.62	19,488.84	12,567.73	97.89	94.36	103.90	-6,912.34	-335.56	1,594.76	1,407.60	187.16	8.521	
19,300.00	12,185.50	19,588.84	12,568.60	99.22	95.71	103.90	-7,012.33	-334.70	1,594.76	1,404.99	189.78	8.403	
19,400.00	12,186.37	19,688.84	12,569.47	100.55	97.06	103.90	-7,112.32	-333.84	1,594.76	1,402.37	192.39	8.289	
19,500.00	12,187.24	19,788.84	12,570.35	101.88	98.41	103.90	-7,212.31	-332.98	1,594.76	1,399.75	195.02	8.178	
19,600.00	12,188.11	19,888.84	12,571.22	103.21	99.76	103.90	-7,312.31	-332.12	1,594.77	1,397.13	197.64	8.069	
19,700.00	12,188.98	19,988.84	12,572.09	104.54	101.11	103.90	-7,412.30	-331.26	1,594.77	1,394.51	200.26	7.963	
19,800.00	12,189.85	20,088.84	12,572.97	105.88	102.46	103.90	-7,512.29	-330.40	1,594.77	1,391.88	202.88	7.860	
19,900.00	12,190.73	20,188.84	12,573.84	107.21	103.81	103.90	-7,612.28	-329.54	1,594.77	1,389.26	205.51	7.760	
20,000.00	12,191.60	20,288.84	12,574.71	108.55	105.16	103.90	-7,712.28	-328.68	1,594.77	1,386.63	208.14	7.662	
20,100.00	12,192.47	20,388.84	12,575.59	109.89	106.51	103.90	-7,812.27	-327.82	1,594.77	1,384.01	210.76	7.567	
20,200.00	12,193.34	20,488.84	12,576.46	111.23	107.87	103.90	-7,912.26	-326.96	1,594.77	1,381.38	213.39	7.473	
20,300.00	12,194.21	20,588.84	12,577.33	112.56	109.22	103.90	-8,012.25	-326.09	1,594.77	1,378.75	216.02	7.382	
20,400.00	12,195.08	20,688.84	12,578.21	113.90	110.57	103.90	-8,112.25	-325.23	1,594.77	1,376.12	218.65	7.294	
20,500.00	12,195.96	20,788.84	12,579.08	115.24	111.93	103.90	-8,212.24	-324.37	1,594.77	1,373.49	221.28	7.207	
20,600.00	12,196.83	20,888.84	12,579.95	116.58	113.28	103.90	-8,312.23	-323.51	1,594.77	1,370.86	223.92	7.122	
20,700.00	12,197.70	20,988.84	12,580.83	117.93	114.64	103.90	-8,412.22	-322.65	1,594.77	1,368.22	226.55	7.039	
20,800.00	12,198.57	21,088.84	12,581.70	119.27	115.99	103.90	-8,512.22	-321.79	1,594.77	1,365.59	229.18	6.959	
20,900.00	12,199.44	21,188.84	12,582.57	120.61	117.35	103.90	-8,612.21	-320.93	1,594.78	1,362.96	231.82	6.879	
21,000.00	12,200.31	21,288.84	12,583.45	121.95	118.70	103.90	-8,712.20	-320.07	1,594.78	1,360.32	234.45	6.802	
21,100.00	12,201.19	21,388.84	12,584.32	123.30	120.06	103.90	-8,812.19	-319.21	1,594.78	1,357.69	237.09	6.726	
21,200.00	12,202.06	21,488.84	12,585.19	124.64	121.41	103.90	-8,912.19	-318.35	1,594.78	1,355.05	239.73	6.652	
21,300.00	12,202.93	21,588.84	12,586.06	125.99	122.77	103.90	-9,012.18	-317.49	1,594.78	1,352.41	242.36	6.580	
21,400.00	12,203.80	21,688.84	12,586.94	127.33	124.13	103.90	-9,112.17	-316.62	1,594.78	1,349.78	245.00	6.509	
21,500.00	12,204.67	21,788.84	12,587.81	128.68	125.48	103.90	-9,212.16	-315.76	1,594.78	1,347.14	247.64	6.440	
21,600.00	12,205.54	21,888.84	12,588.68	130.03	126.84	103.90	-9,312.15	-314.90	1,594.78	1,344.50	250.28	6.372	
21,700.00	12,206.41	21,988.84	12,589.56	131.37	128.20	103.90	-9,412.15	-314.04	1,594.78	1,341.86	252.92	6.305	
21,800.00	12,207.29	22,088.84	12,590.43	132.72	129.56	103.90	-9,512.14	-313.18	1,594.78	1,339.22	255.56	6.240	
21,900.00	12,208.16	22,188.84	12,591.30	134.07	130.91	103.90	-9,612.13	-312.32	1,594.78	1,336.58	258.20	6.176	
22,000.00	12,209.03	22,288.84	12,592.18	135.42	132.27	103.90	-9,712.12	-311.46	1,594.78	1,333.94	260.85	6.114	
22,100.00	12,209.90	22,388.84	12,593.05	136.77	133.63	103.90	-9,812.12	-310.60	1,594.78	1,331.30	263.49	6.053	
22,200.00	12,210.77	22,488.84	12,593.92	138.12	134.99	103.90	-9,912.11	-309.74	1,594.78	1,328.65	266.13	5.992	
22,300.00	12,211.64	22,588.84	12,594.80	139.47	136.35	103.90	-10,012.10	-308.88	1,594.79	1,326.01	268.77	5.934	
22,400.00	12,212.52	22,688.84	12,595.67	140.82	137.71	103.90	-10,112.09	-308.02	1,594.79	1,323.37	271.42	5.876	
22,500.00	12,213.39	22,788.84	12,596.54	142.17	139.07	103.90	-10,212.09	-307.15	1,594.79	1,320.72	274.06	5.819	
22,512.90	12,213.50	22,801.74	12,596.66	142.34	139.24	103.90	-10,224.98	-307.04	1,594.79	1,320.38	274.40	5.812	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
900.00	898.56	957.09	956.92	3.74	3.81	-7.69	897.80	2,293.38	2,426.04	2,418.59	7.45	325.660	
1,000.00	998.18	1,056.43	1,056.12	3.97	4.00	-7.61	892.62	2,292.99	2,415.13	2,407.26	7.87	306.967	
1,100.00	1,097.80	1,155.77	1,155.33	4.20	4.18	-7.52	887.43	2,292.60	2,404.23	2,395.96	8.28	290.530	
1,200.00	1,197.42	1,256.79	1,256.21	4.42	4.31	-7.43	882.16	2,292.20	2,393.33	2,384.71	8.62	277.651	
1,300.00	1,297.04	1,392.54	1,391.60	4.64	4.57	-7.26	872.45	2,291.47	2,381.61	2,372.57	9.04	263.454	
1,400.00	1,396.66	1,506.88	1,505.36	4.86	4.70	-7.04	860.97	2,290.60	2,368.65	2,359.29	9.36	252.962	
1,500.00	1,496.28	1,605.67	1,603.61	5.07	4.89	-6.83	850.68	2,289.82	2,355.58	2,345.82	9.76	241.471	
1,600.00	1,595.90	1,704.46	1,701.86	5.28	5.07	-6.63	840.38	2,289.04	2,342.53	2,332.39	10.14	230.951	
1,700.00	1,695.52	1,803.25	1,800.11	5.48	5.26	-6.42	830.08	2,288.26	2,329.52	2,318.99	10.53	221.275	
1,800.00	1,795.14	1,902.04	1,898.35	5.69	5.44	-6.21	819.79	2,287.48	2,316.54	2,305.63	10.91	212.339	
1,900.00	1,894.76	2,000.83	1,996.60	5.89	5.63	-5.99	809.49	2,286.71	2,303.59	2,292.30	11.29	204.056	
2,000.00	1,994.38	2,099.62	2,094.85	6.09	5.81	-5.78	799.20	2,285.93	2,290.67	2,279.00	11.67	196.353	
2,100.00	2,094.00	2,198.41	2,193.10	6.29	6.00	-5.56	788.90	2,285.15	2,277.78	2,265.74	12.04	189.169	
2,200.00	2,193.62	2,297.20	2,291.35	6.50	6.18	-5.34	778.61	2,284.37	2,264.93	2,252.50	12.42	182.289	
2,206.41	2,200.00	2,303.53	2,297.65	6.52	6.19	-5.33	777.95	2,284.32	2,264.10	2,251.65	12.45	181.863	
2,300.00	2,293.13	2,395.84	2,389.45	6.72	6.36	-5.14	768.33	2,283.59	2,250.97	2,238.16	12.81	175.685	
2,400.00	2,392.34	2,494.11	2,487.18	6.95	6.55	-4.95	758.09	2,282.82	2,234.48	2,221.27	13.22	169.058	
2,500.00	2,491.20	2,591.94	2,584.48	7.18	6.73	-4.76	747.89	2,282.05	2,215.46	2,201.83	13.62	162.645	
2,600.00	2,589.63	2,689.25	2,681.26	7.41	6.91	-4.57	737.75	2,281.28	2,193.90	2,179.88	14.02	156.431	
2,700.00	2,687.57	2,786.00	2,777.47	7.65	7.09	-4.39	727.67	2,280.52	2,169.84	2,155.41	14.43	150.401	
2,800.00	2,784.94	2,882.09	2,873.04	7.88	7.27	-4.21	717.65	2,279.76	2,143.28	2,128.45	14.83	144.540	
2,873.30	2,855.92	2,952.09	2,942.65	8.02	7.39	-4.08	710.36	2,279.21	2,122.23	2,107.14	15.09	140.625	
2,900.00	2,881.71	2,977.51	2,967.94	8.06	7.44	-4.02	707.71	2,279.01	2,114.33	2,099.15	15.18	139.319	
3,000.00	2,978.30	3,072.73	3,062.63	8.28	7.62	-3.81	697.78	2,278.26	2,084.73	2,069.18	15.55	134.064	
3,100.00	3,074.89	3,167.95	3,157.33	8.49	7.79	-3.59	687.86	2,277.51	2,055.16	2,039.23	15.93	129.051	
3,200.00	3,171.49	3,263.17	3,252.03	8.71	7.97	-3.36	677.94	2,276.76	2,025.62	2,009.32	16.30	124.265	
3,300.00	3,268.08	3,358.38	3,346.73	8.93	8.14	-3.12	668.01	2,276.01	1,996.11	1,979.43	16.68	119.691	
3,400.00	3,364.67	3,453.60	3,441.42	9.16	8.32	-2.88	658.09	2,275.26	1,966.63	1,949.57	17.05	115.318	
3,500.00	3,461.26	3,548.82	3,536.12	9.42	8.50	-2.63	648.17	2,274.51	1,937.18	1,919.75	17.43	111.131	
3,600.00	3,557.85	3,644.04	3,630.82	9.70	8.67	-2.37	638.24	2,273.76	1,907.77	1,889.96	17.81	107.122	
3,700.00	3,654.44	3,739.26	3,725.51	10.00	8.85	-2.11	628.32	2,273.01	1,878.40	1,860.21	18.19	103.279	
3,800.00	3,751.03	3,834.48	3,820.21	10.30	9.02	-1.83	618.40	2,272.26	1,849.06	1,830.50	18.57	99.592	
3,900.00	3,847.62	3,929.70	3,914.91	10.61	9.20	-1.55	608.47	2,271.51	1,819.77	1,800.82	18.95	96.052	
4,000.00	3,944.21	4,024.91	4,009.60	10.93	9.37	-1.26	598.55	2,270.76	1,790.51	1,771.19	19.33	92.653	
4,100.00	4,040.80	4,120.13	4,104.30	11.25	9.55	-0.96	588.63	2,270.01	1,761.31	1,741.60	19.70	89.385	
4,200.00	4,137.40	4,215.35	4,199.00	11.57	9.72	-0.65	578.70	2,269.26	1,732.14	1,712.06	20.08	86.241	
4,300.00	4,233.99	4,310.57	4,293.69	11.89	9.90	-0.33	568.78	2,268.51	1,703.03	1,682.56	20.47	83.216	
4,400.00	4,330.58	4,405.79	4,388.39	12.21	10.07	0.01	558.86	2,267.76	1,673.96	1,653.12	20.85	80.302	
4,500.00	4,427.17	4,501.01	4,483.09	12.54	10.25	0.35	548.93	2,267.01	1,644.96	1,623.73	21.23	77.495	
4,600.00	4,523.76	4,596.22	4,577.79	12.87	10.42	0.71	539.01	2,266.26	1,616.00	1,594.40	21.61	74.788	
4,700.00	4,620.35	4,691.44	4,672.48	13.20	10.60	1.07	529.09	2,265.51	1,587.11	1,565.12	21.99	72.177	
4,800.00	4,716.94	4,786.66	4,767.18	13.53	10.77	1.46	519.16	2,264.76	1,558.28	1,535.91	22.37	69.657	
4,900.00	4,813.53	4,881.88	4,861.88	13.86	10.95	1.85	509.24	2,264.01	1,529.52	1,506.77	22.75	67.223	
5,000.00	4,910.12	4,977.10	4,956.57	14.19	11.12	2.27	499.32	2,263.26	1,500.83	1,477.69	23.14	64.872	
5,100.00	5,006.72	5,072.32	5,051.27	14.53	11.30	2.69	489.39	2,262.51	1,472.21	1,448.70	23.52	62.599	
5,200.00	5,103.31	5,167.53	5,145.97	14.86	11.47	3.14	479.47	2,261.76	1,443.68	1,419.78	23.90	60.402	
5,300.00	5,199.90	5,262.75	5,240.66	15.20	11.65	3.60	469.55	2,261.01	1,415.22	1,390.94	24.28	58.276	
5,400.00	5,296.49	5,357.97	5,335.36	15.53	11.82	4.08	459.62	2,260.26	1,386.86	1,362.19	24.67	56.218	
5,500.00	5,393.08	5,453.19	5,430.06	15.87	12.00	4.58	449.70	2,259.51	1,358.59	1,333.54	25.05	54.227	
5,600.00	5,489.67	5,548.41	5,524.75	16.21	12.17	5.10	439.78	2,258.76	1,330.42	1,304.98	25.44	52.297	
5,700.00	5,586.26	5,643.63	5,619.45	16.55	12.35	5.65	429.85	2,258.01	1,302.36	1,276.54	25.83	50.428	
5,800.00	5,682.85	5,738.84	5,714.15	16.89	12.52	6.22	419.93	2,257.26	1,274.42	1,248.21	26.21	48.617	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,900.00	5,779.44	5,834.06	5,808.85	17.23	12.70	6.81	410.01	2,256.51	1,246.60	1,219.99	26.60	46.860	
5,915.24	5,794.17	5,848.58	5,823.28	17.27	12.72	6.90	408.50	2,256.39	1,242.37	1,215.71	26.66	46.608	
6,000.00	5,876.27	5,929.55	5,903.81	17.54	12.87	7.38	400.06	2,255.76	1,219.80	1,192.82	26.98	45.206	
6,100.00	5,973.71	6,025.72	5,999.45	17.85	13.05	7.95	390.03	2,255.00	1,195.62	1,168.24	27.38	43.667	
6,200.00	6,071.71	6,122.53	6,095.73	18.12	13.23	8.53	379.94	2,254.24	1,174.11	1,146.33	27.78	42.272	
6,300.00	6,170.19	6,219.91	6,192.58	18.37	13.41	9.12	369.80	2,253.47	1,155.27	1,127.10	28.17	41.017	
6,400.00	6,269.10	6,317.79	6,289.93	18.59	13.59	9.71	359.60	2,252.70	1,139.11	1,110.56	28.55	39.898	
6,500.00	6,368.35	6,416.11	6,387.70	18.78	13.77	10.30	349.35	2,251.92	1,125.64	1,096.71	28.93	38.910	
6,600.00	6,467.89	6,514.79	6,485.85	18.94	13.95	10.88	339.06	2,251.15	1,114.86	1,085.56	29.30	38.052	
6,700.00	6,567.65	6,613.77	6,584.29	19.07	14.13	11.46	328.75	2,250.37	1,106.76	1,077.10	29.66	37.319	
6,800.00	6,667.55	6,712.99	6,682.96	19.18	14.31	12.02	318.41	2,249.58	1,101.34	1,071.34	30.00	36.713	
6,900.00	6,767.53	6,811.24	6,780.69	19.26	14.47	12.56	308.38	2,248.83	1,098.61	1,068.32	30.29	36.269	
6,915.47	6,783.00	6,826.22	6,795.60	19.26	14.50	88.78	307.00	2,248.72	1,098.44	1,068.12	30.32	36.226	
7,000.00	6,867.53	6,908.27	6,877.39	19.30	14.65	89.12	300.50	2,248.23	1,097.81	1,067.32	30.49	36.007	
7,100.00	6,967.53	7,005.64	6,974.61	19.35	14.83	89.40	295.06	2,247.82	1,097.32	1,066.64	30.67	35.773	
7,200.00	7,067.53	7,103.23	7,072.15	19.40	14.98	89.56	292.09	2,247.60	1,097.06	1,066.22	30.84	35.577	
7,300.00	7,167.53	7,201.61	7,170.53	19.45	15.03	89.59	291.49	2,247.55	1,097.01	1,066.10	30.91	35.488	
7,400.00	7,267.53	7,301.61	7,270.53	19.50	15.05	89.59	291.49	2,247.55	1,097.01	1,066.02	30.98	35.405	
7,500.00	7,367.53	7,401.61	7,370.53	19.55	15.08	89.59	291.49	2,247.55	1,097.01	1,065.95	31.06	35.322	
7,600.00	7,467.53	7,501.61	7,470.53	19.60	15.10	89.59	291.49	2,247.55	1,097.01	1,065.88	31.13	35.238	
7,700.00	7,567.53	7,601.61	7,570.53	19.65	15.13	89.59	291.49	2,247.55	1,097.01	1,065.80	31.21	35.154	
7,800.00	7,667.53	7,701.61	7,670.53	19.71	15.15	89.59	291.49	2,247.55	1,097.01	1,065.73	31.28	35.069	
7,900.00	7,767.53	7,801.61	7,770.53	19.76	15.18	89.59	291.49	2,247.55	1,097.01	1,065.65	31.36	34.984	
8,000.00	7,867.53	7,901.61	7,870.53	19.81	15.21	89.59	291.49	2,247.55	1,097.01	1,065.57	31.43	34.899	
8,100.00	7,967.53	8,001.61	7,970.53	19.86	15.23	89.59	291.49	2,247.55	1,097.01	1,065.50	31.51	34.814	
8,200.00	8,067.53	8,101.61	8,070.53	19.92	15.26	89.59	291.49	2,247.55	1,097.01	1,065.42	31.59	34.728	
8,300.00	8,167.53	8,201.61	8,170.53	19.97	15.29	89.59	291.49	2,247.55	1,097.01	1,065.34	31.67	34.642	
8,400.00	8,267.53	8,301.61	8,270.53	20.02	15.32	89.59	291.49	2,247.55	1,097.01	1,065.26	31.75	34.556	
8,500.00	8,367.53	8,401.61	8,370.53	20.08	15.34	89.59	291.49	2,247.55	1,097.01	1,065.18	31.83	34.469	
8,600.00	8,467.53	8,501.61	8,470.53	20.13	15.37	89.59	291.49	2,247.55	1,097.01	1,065.10	31.91	34.383	
8,700.00	8,567.53	8,601.61	8,570.53	20.18	15.40	89.59	291.49	2,247.55	1,097.01	1,065.02	31.99	34.296	
8,800.00	8,667.53	8,701.61	8,670.53	20.24	15.43	89.59	291.49	2,247.55	1,097.01	1,064.94	32.07	34.208	
8,900.00	8,767.53	8,801.61	8,770.53	20.29	15.46	89.59	291.49	2,247.55	1,097.01	1,064.86	32.15	34.121	
9,000.00	8,867.53	8,901.61	8,870.53	20.35	15.49	89.59	291.49	2,247.55	1,097.01	1,064.77	32.23	34.033	
9,100.00	8,967.53	9,001.61	8,970.53	20.40	15.52	89.59	291.49	2,247.55	1,097.01	1,064.69	32.32	33.945	
9,200.00	9,067.53	9,101.61	9,070.53	20.45	15.56	89.59	291.49	2,247.55	1,097.01	1,064.61	32.40	33.857	
9,300.00	9,167.53	9,201.61	9,170.53	20.51	15.59	89.59	291.49	2,247.55	1,097.01	1,064.52	32.49	33.769	
9,400.00	9,267.53	9,301.61	9,270.53	20.56	15.62	89.59	291.49	2,247.55	1,097.01	1,064.44	32.57	33.681	
9,500.00	9,367.53	9,401.61	9,370.53	20.62	15.65	89.59	291.49	2,247.55	1,097.01	1,064.35	32.66	33.592	
9,600.00	9,467.53	9,501.61	9,470.53	20.68	15.68	89.59	291.49	2,247.55	1,097.01	1,064.27	32.74	33.504	
9,700.00	9,567.53	9,601.61	9,570.53	20.73	15.72	89.59	291.49	2,247.55	1,097.01	1,064.18	32.83	33.415	
9,800.00	9,667.53	9,701.61	9,670.53	20.79	15.75	89.59	291.49	2,247.55	1,097.01	1,064.09	32.92	33.326	
9,900.00	9,767.53	9,801.61	9,770.53	20.84	15.78	89.59	291.49	2,247.55	1,097.01	1,064.00	33.01	33.237	
10,000.00	9,867.53	9,901.61	9,870.53	20.90	15.82	89.59	291.49	2,247.55	1,097.01	1,063.91	33.09	33.148	
10,100.00	9,967.53	10,001.61	9,970.53	20.95	15.85	89.59	291.49	2,247.55	1,097.01	1,063.82	33.18	33.059	
10,200.00	10,067.53	10,101.61	10,070.53	21.01	15.89	89.59	291.49	2,247.55	1,097.01	1,063.73	33.27	32.970	
10,300.00	10,167.53	10,201.61	10,170.53	21.07	15.92	89.59	291.49	2,247.55	1,097.01	1,063.64	33.36	32.880	
10,400.00	10,267.53	10,301.61	10,270.53	21.12	15.96	89.59	291.49	2,247.55	1,097.01	1,063.55	33.45	32.791	
10,500.00	10,367.53	10,401.61	10,370.53	21.18	15.99	89.59	291.49	2,247.55	1,097.01	1,063.46	33.55	32.701	
10,600.00	10,467.53	10,501.61	10,470.53	21.24	16.03	89.59	291.49	2,247.55	1,097.01	1,063.37	33.64	32.612	
10,700.00	10,567.53	10,601.61	10,570.53	21.30	16.07	89.59	291.49	2,247.55	1,097.01	1,063.28	33.73	32.522	
10,800.00	10,667.53	10,701.61	10,670.53	21.35	16.10	89.59	291.49	2,247.55	1,097.01	1,063.18	33.82	32.433	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,900.00	10,767.53	10,801.61	10,770.53	21.41	16.14	89.59	291.49	2,247.55	1,097.01	1,063.09	33.92	32.343	
11,000.00	10,867.53	10,901.61	10,870.53	21.47	16.18	89.59	291.49	2,247.55	1,097.01	1,063.00	34.01	32.254	
11,100.00	10,967.53	11,001.61	10,970.53	21.53	16.22	89.59	291.49	2,247.55	1,097.01	1,062.90	34.11	32.164	
11,200.00	11,067.53	11,101.61	11,070.53	21.58	16.25	89.59	291.49	2,247.55	1,097.01	1,062.81	34.20	32.075	
11,300.00	11,167.53	11,201.61	11,170.53	21.64	16.29	89.59	291.49	2,247.55	1,097.01	1,062.71	34.30	31.985	
11,400.00	11,267.53	11,301.61	11,270.53	21.70	16.33	89.59	291.49	2,247.55	1,097.01	1,062.61	34.39	31.895	
11,500.00	11,367.53	11,401.61	11,370.53	21.76	16.37	89.59	291.49	2,247.55	1,097.01	1,062.52	34.49	31.806	
11,600.00	11,467.53	11,501.61	11,470.53	21.82	16.41	89.59	291.49	2,247.55	1,097.01	1,062.42	34.59	31.716	
11,686.47	11,554.00	11,588.08	11,557.00	21.86	16.44	89.59	291.49	2,247.55	1,097.01	1,062.34	34.67	31.645	
11,700.00	11,567.53	11,601.61	11,570.53	21.86	16.45	-89.93	291.49	2,247.55	1,097.01	1,062.34	34.67	31.640	
11,729.02	11,596.52	11,630.60	11,599.52	21.88	16.46	-90.00	291.49	2,247.55	1,097.01	1,062.33	34.67	31.637	CC
11,750.00	11,617.40	11,651.48	11,620.40	21.90	16.47	-90.10	291.49	2,247.55	1,097.01	1,062.33	34.68	31.635	
11,800.00	11,666.79	11,700.87	11,669.79	21.93	16.49	-90.49	291.49	2,247.55	1,097.05	1,062.38	34.67	31.642	
11,850.00	11,715.32	11,749.40	11,718.32	21.95	16.51	-91.08	291.49	2,247.55	1,097.22	1,062.57	34.65	31.663	
11,900.00	11,762.62	11,796.70	11,765.62	21.97	16.53	-91.84	291.49	2,247.55	1,097.66	1,063.03	34.63	31.696	
11,950.00	11,808.34	11,842.42	11,811.34	21.99	16.54	-92.71	291.49	2,247.55	1,098.54	1,063.93	34.61	31.744	
12,000.00	11,852.12	11,886.20	11,855.12	22.01	16.56	-93.66	291.49	2,247.55	1,100.07	1,065.48	34.59	31.803	
12,050.00	11,893.63	11,936.71	11,905.58	22.03	16.65	-94.81	289.51	2,247.57	1,102.34	1,067.74	34.60	31.856	
12,100.00	11,932.55	11,990.81	11,959.20	22.05	16.78	-95.98	282.48	2,247.63	1,105.21	1,070.53	34.68	31.872	
12,150.00	11,968.60	12,048.55	12,015.41	22.09	16.94	-97.17	269.44	2,247.75	1,108.62	1,073.80	34.83	31.834	
12,200.00	12,001.49	12,110.54	12,073.99	22.13	17.12	-98.36	249.22	2,247.93	1,112.49	1,077.42	35.07	31.719	
12,250.00	12,030.97	12,177.48	12,134.38	22.19	17.31	-99.57	220.43	2,248.20	1,116.70	1,081.26	35.44	31.514	
12,300.00	12,056.82	12,250.07	12,195.58	22.26	17.51	-100.77	181.49	2,248.55	1,121.08	1,085.16	35.93	31.206	
12,350.00	12,078.85	12,328.95	12,255.91	22.35	17.71	-101.94	130.78	2,249.01	1,125.43	1,088.86	36.57	30.774	
12,400.00	12,096.88	12,414.54	12,312.84	22.47	17.91	-103.04	66.97	2,249.59	1,129.51	1,092.15	37.36	30.231	
12,450.00	12,110.78	12,506.85	12,362.84	22.60	18.12	-104.01	-10.50	2,250.29	1,133.04	1,094.76	38.28	29.596	
12,500.00	12,120.45	12,605.20	12,401.70	22.75	19.00	-104.76	-100.71	2,251.11	1,135.74	1,096.44	39.30	28.896	
12,550.00	12,125.80	12,708.07	12,425.24	22.93	20.02	-105.22	-200.71	2,252.02	1,137.38	1,097.03	40.35	28.187	
12,581.47	12,126.94	12,774.14	12,430.76	23.05	20.71	-105.33	-266.50	2,252.62	1,137.79	1,096.80	40.99	27.755	
12,600.00	12,127.10	12,798.93	12,431.02	23.12	20.97	-105.34	-291.30	2,252.85	1,137.80	1,096.54	41.26	27.577	
12,700.00	12,127.97	12,898.93	12,431.54	23.56	22.07	-105.32	-391.29	2,253.76	1,137.75	1,095.21	42.55	26.740	
12,800.00	12,128.84	12,998.93	12,432.07	24.06	23.19	-105.30	-491.28	2,254.66	1,137.71	1,093.76	43.95	25.885	
12,900.00	12,129.71	13,098.93	12,432.59	24.61	24.34	-105.28	-591.28	2,255.57	1,137.66	1,092.20	45.46	25.024	
13,000.00	12,130.58	13,198.93	12,433.12	25.21	25.51	-105.27	-691.27	2,256.48	1,137.62	1,090.55	47.07	24.168	
13,100.00	12,131.46	13,298.93	12,433.64	25.87	26.70	-105.25	-791.26	2,257.39	1,137.57	1,088.80	48.77	23.326	
13,200.00	12,132.33	13,398.93	12,434.17	26.56	27.90	-105.23	-891.26	2,258.30	1,137.53	1,086.98	50.55	22.503	
13,300.00	12,133.20	13,498.93	12,434.69	27.30	29.12	-105.21	-991.25	2,259.21	1,137.48	1,085.08	52.41	21.705	
13,400.00	12,134.07	13,598.93	12,435.22	28.08	30.36	-105.20	-1,091.25	2,260.12	1,137.44	1,083.11	54.33	20.936	
13,500.00	12,134.94	13,698.93	12,435.74	28.90	31.60	-105.18	-1,191.24	2,261.03	1,137.39	1,081.08	56.31	20.198	
13,600.00	12,135.81	13,798.93	12,436.27	29.75	32.86	-105.16	-1,291.23	2,261.94	1,137.35	1,078.99	58.35	19.491	
13,700.00	12,136.69	13,898.92	12,436.79	30.63	34.12	-105.14	-1,391.23	2,262.84	1,137.30	1,076.86	60.44	18.816	
13,800.00	12,137.56	13,998.92	12,437.32	31.55	35.39	-105.13	-1,491.22	2,263.75	1,137.26	1,074.68	62.58	18.174	
13,900.00	12,138.43	14,098.92	12,437.84	32.50	36.67	-105.11	-1,591.22	2,264.66	1,137.21	1,072.46	64.75	17.562	
14,000.00	12,139.30	14,198.92	12,438.37	33.47	37.95	-105.09	-1,691.21	2,265.57	1,137.17	1,070.20	66.97	16.981	
14,100.00	12,140.17	14,298.92	12,438.89	34.47	39.24	-105.07	-1,791.20	2,266.48	1,137.13	1,067.91	69.21	16.430	
14,200.00	12,141.04	14,398.92	12,439.42	35.49	40.54	-105.06	-1,891.20	2,267.39	1,137.08	1,065.59	71.49	15.906	
14,300.00	12,141.92	14,498.92	12,439.94	36.53	41.84	-105.04	-1,991.19	2,268.30	1,137.04	1,063.25	73.79	15.409	
14,400.00	12,142.79	14,598.92	12,440.47	37.59	43.14	-105.02	-2,091.18	2,269.21	1,136.99	1,060.88	76.12	14.937	
14,500.00	12,143.66	14,698.92	12,440.99	38.67	44.45	-105.00	-2,191.18	2,270.12	1,136.95	1,058.48	78.47	14.489	
14,600.00	12,144.53	14,798.92	12,441.52	39.77	45.76	-104.99	-2,291.17	2,271.02	1,136.91	1,056.07	80.84	14.064	
14,700.00	12,145.40	14,898.92	12,442.04	40.88	47.08	-104.97	-2,391.17	2,271.93	1,136.86	1,053.63	83.23	13.659	
14,800.00	12,146.27	14,998.92	12,442.57	42.01	48.40	-104.95	-2,491.16	2,272.84	1,136.82	1,051.18	85.64	13.275	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	12,147.14	15,098.92	12,443.09	43.15	49.72	-104.93	-2,591.15	2,273.75	1,136.78	1,048.72	88.06	12.909	
15,000.00	12,148.02	15,198.92	12,443.62	44.31	51.04	-104.92	-2,691.15	2,274.66	1,136.73	1,046.24	90.50	12.561	
15,100.00	12,148.89	15,298.92	12,444.14	45.47	52.37	-104.90	-2,791.14	2,275.57	1,136.69	1,043.74	92.95	12.229	
15,200.00	12,149.76	15,398.92	12,444.67	46.65	53.69	-104.88	-2,891.14	2,276.48	1,136.65	1,041.24	95.41	11.913	
15,300.00	12,150.63	15,498.92	12,445.19	47.83	55.02	-104.86	-2,991.13	2,277.39	1,136.60	1,038.72	97.88	11.612	
15,400.00	12,151.50	15,598.91	12,445.72	49.03	56.36	-104.85	-3,091.12	2,278.30	1,136.56	1,036.19	100.37	11.324	
15,500.00	12,152.37	15,698.91	12,446.24	50.23	57.69	-104.83	-3,191.12	2,279.20	1,136.52	1,033.65	102.86	11.049	
15,600.00	12,153.25	15,798.91	12,446.77	51.45	59.02	-104.81	-3,291.11	2,280.11	1,136.47	1,031.11	105.37	10.786	
15,700.00	12,154.12	15,898.91	12,447.29	52.67	60.36	-104.79	-3,391.11	2,281.02	1,136.43	1,028.55	107.88	10.534	
15,800.00	12,154.99	15,998.91	12,447.82	53.89	61.70	-104.78	-3,491.10	2,281.93	1,136.39	1,025.99	110.40	10.293	
15,900.00	12,155.86	16,098.91	12,448.34	55.13	63.04	-104.76	-3,591.09	2,282.84	1,136.35	1,023.42	112.93	10.062	
16,000.00	12,156.73	16,198.91	12,448.87	56.37	64.38	-104.74	-3,691.09	2,283.75	1,136.30	1,020.84	115.46	9.841	
16,100.00	12,157.60	16,298.91	12,449.39	57.61	65.72	-104.72	-3,791.08	2,284.66	1,136.26	1,018.26	118.00	9.629	
16,200.00	12,158.48	16,398.91	12,449.92	58.86	67.07	-104.71	-3,891.07	2,285.57	1,136.22	1,015.67	120.55	9.425	
16,300.00	12,159.35	16,498.91	12,450.45	60.12	68.41	-104.69	-3,991.07	2,286.48	1,136.18	1,013.07	123.10	9.229	
16,400.00	12,160.22	16,598.91	12,450.97	61.38	69.76	-104.67	-4,091.06	2,287.38	1,136.14	1,010.47	125.66	9.041	
16,500.00	12,161.09	16,698.91	12,451.50	62.65	71.10	-104.65	-4,191.06	2,288.29	1,136.10	1,007.87	128.23	8.860	
16,600.00	12,161.96	16,798.91	12,452.02	63.92	72.45	-104.64	-4,291.05	2,289.20	1,136.05	1,005.26	130.79	8.686	
16,700.00	12,162.83	16,898.91	12,452.55	65.19	73.80	-104.62	-4,391.04	2,290.11	1,136.01	1,002.65	133.37	8.518	
16,800.00	12,163.71	16,998.91	12,453.07	66.47	75.15	-104.60	-4,491.04	2,291.02	1,135.97	1,000.03	135.94	8.356	
16,900.00	12,164.58	17,098.91	12,453.60	67.75	76.49	-104.58	-4,591.03	2,291.93	1,135.93	997.41	138.52	8.200	
17,000.00	12,165.45	17,198.90	12,454.12	69.04	77.84	-104.57	-4,691.03	2,292.84	1,135.89	994.78	141.11	8.050	
17,100.00	12,166.32	17,298.90	12,454.65	70.32	79.20	-104.55	-4,791.02	2,293.75	1,135.85	992.15	143.70	7.905	
17,200.00	12,167.19	17,398.90	12,455.17	71.61	80.55	-104.53	-4,891.01	2,294.65	1,135.81	989.52	146.29	7.764	
17,300.00	12,168.06	17,498.90	12,455.70	72.91	81.90	-104.51	-4,991.01	2,295.56	1,135.77	986.88	148.88	7.629	
17,400.00	12,168.94	17,598.90	12,456.22	74.21	83.25	-104.50	-5,091.00	2,296.47	1,135.72	984.24	151.48	7.498	
17,500.00	12,169.81	17,698.90	12,456.75	75.50	84.60	-104.48	-5,191.00	2,297.38	1,135.68	981.60	154.08	7.371	
17,600.00	12,170.68	17,798.90	12,457.27	76.81	85.96	-104.46	-5,290.99	2,298.29	1,135.64	978.96	156.68	7.248	
17,700.00	12,171.55	17,898.90	12,457.80	78.11	87.31	-104.44	-5,390.98	2,299.20	1,135.60	976.31	159.29	7.129	
17,800.00	12,172.42	17,998.90	12,458.32	79.42	88.67	-104.43	-5,490.98	2,300.11	1,135.56	973.66	161.90	7.014	
17,900.00	12,173.29	18,098.90	12,458.85	80.72	90.02	-104.41	-5,590.97	2,301.02	1,135.52	971.01	164.51	6.902	
18,000.00	12,174.17	18,198.90	12,459.37	82.03	91.38	-104.39	-5,690.96	2,301.93	1,135.48	968.36	167.13	6.794	
18,100.00	12,175.04	18,298.90	12,459.90	83.35	92.73	-104.37	-5,790.96	2,302.83	1,135.44	965.70	169.74	6.689	
18,200.00	12,175.91	18,398.90	12,460.42	84.66	94.09	-104.36	-5,890.95	2,303.74	1,135.40	963.04	172.36	6.587	
18,300.00	12,176.78	18,498.90	12,460.95	85.98	95.45	-104.34	-5,990.95	2,304.65	1,135.36	960.38	174.98	6.488	
18,400.00	12,177.65	18,598.90	12,461.47	87.29	96.80	-104.32	-6,090.94	2,305.56	1,135.32	957.72	177.60	6.392	
18,500.00	12,178.52	18,698.90	12,462.00	88.61	98.16	-104.30	-6,190.93	2,306.47	1,135.28	955.05	180.23	6.299	
18,600.00	12,179.39	18,798.90	12,462.52	89.93	99.52	-104.29	-6,290.93	2,307.38	1,135.24	952.39	182.86	6.208	
18,700.00	12,180.27	18,898.89	12,463.05	91.26	100.88	-104.27	-6,390.92	2,308.29	1,135.20	949.72	185.48	6.120	
18,800.00	12,181.14	18,998.89	12,463.57	92.58	102.24	-104.25	-6,490.92	2,309.20	1,135.17	947.05	188.11	6.034	
18,900.00	12,182.01	19,098.89	12,464.10	93.90	103.59	-104.23	-6,590.91	2,310.11	1,135.13	944.38	190.75	5.951	
19,000.00	12,182.88	19,198.89	12,464.62	95.23	104.95	-104.22	-6,690.90	2,311.01	1,135.09	941.71	193.38	5.870	
19,100.00	12,183.75	19,298.89	12,465.15	96.56	106.31	-104.20	-6,790.90	2,311.92	1,135.05	939.03	196.01	5.791	
19,200.00	12,184.62	19,398.89	12,465.67	97.89	107.67	-104.18	-6,890.89	2,312.83	1,135.01	936.36	198.65	5.714	
19,300.00	12,185.50	19,498.89	12,466.20	99.22	109.03	-104.16	-6,990.89	2,313.74	1,134.97	933.68	201.29	5.639	
19,400.00	12,186.37	19,598.89	12,466.72	100.55	110.39	-104.15	-7,090.88	2,314.65	1,134.93	931.00	203.93	5.565	
19,500.00	12,187.24	19,698.89	12,467.25	101.88	111.75	-104.13	-7,190.87	2,315.56	1,134.89	928.32	206.57	5.494	
19,600.00	12,188.11	19,798.89	12,467.77	103.21	113.11	-104.11	-7,290.87	2,316.47	1,134.85	925.64	209.21	5.424	
19,700.00	12,188.98	19,898.89	12,468.30	104.54	114.47	-104.09	-7,390.86	2,317.38	1,134.82	922.96	211.86	5.357	
19,800.00	12,189.85	19,998.89	12,468.82	105.88	115.83	-104.08	-7,490.85	2,318.29	1,134.78	920.28	214.50	5.290	
19,900.00	12,190.73	20,098.89	12,469.35	107.21	117.19	-104.06	-7,590.85	2,319.19	1,134.74	917.59	217.15	5.226	
20,000.00	12,191.60	20,198.89	12,469.87	108.55	118.56	-104.04	-7,690.84	2,320.10	1,134.70	914.91	219.79	5.163	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,100.00	12,192.47	20,298.89	12,470.40	109.89	119.92	-104.02	-7,790.84	2,321.01	1,134.66	912.22	222.44	5.101	
20,200.00	12,193.34	20,398.89	12,470.92	111.23	121.28	-104.01	-7,890.83	2,321.92	1,134.63	909.54	225.09	5.041	
20,300.00	12,194.21	20,498.88	12,471.45	112.56	122.64	-103.99	-7,990.82	2,322.83	1,134.59	906.85	227.74	4.982	
20,400.00	12,195.08	20,598.88	12,471.97	113.90	124.00	-103.97	-8,090.82	2,323.74	1,134.55	904.16	230.39	4.924	
20,500.00	12,195.96	20,698.88	12,472.50	115.24	125.36	-103.95	-8,190.81	2,324.65	1,134.51	901.47	233.05	4.868	
20,600.00	12,196.83	20,798.88	12,473.02	116.58	126.73	-103.93	-8,290.81	2,325.56	1,134.48	898.78	235.70	4.813	
20,700.00	12,197.70	20,898.88	12,473.55	117.93	128.09	-103.92	-8,390.80	2,326.46	1,134.44	896.08	238.36	4.759	
20,800.00	12,198.57	20,998.88	12,474.07	119.27	129.45	-103.90	-8,490.79	2,327.37	1,134.40	893.39	241.01	4.707	
20,900.00	12,199.44	21,098.88	12,474.60	120.61	130.81	-103.88	-8,590.79	2,328.28	1,134.37	890.70	243.67	4.655	
21,000.00	12,200.31	21,198.88	12,475.12	121.95	132.18	-103.86	-8,690.78	2,329.19	1,134.33	888.00	246.33	4.605	
21,100.00	12,201.19	21,298.88	12,475.65	123.30	133.54	-103.85	-8,790.78	2,330.10	1,134.29	885.31	248.99	4.556	
21,200.00	12,202.06	21,398.88	12,476.17	124.64	134.90	-103.83	-8,890.77	2,331.01	1,134.25	882.61	251.65	4.507	
21,300.00	12,202.93	21,498.88	12,476.70	125.99	136.27	-103.81	-8,990.76	2,331.92	1,134.22	879.91	254.31	4.460	
21,400.00	12,203.80	21,598.88	12,477.22	127.33	137.63	-103.79	-9,090.76	2,332.83	1,134.18	877.21	256.97	4.414	
21,500.00	12,204.67	21,698.88	12,477.75	128.68	138.99	-103.78	-9,190.75	2,333.74	1,134.15	874.51	259.63	4.368	
21,600.00	12,205.54	21,798.88	12,478.27	130.03	140.36	-103.76	-9,290.74	2,334.64	1,134.11	871.82	262.29	4.324	
21,700.00	12,206.41	21,898.88	12,478.80	131.37	141.72	-103.74	-9,390.74	2,335.55	1,134.07	869.12	264.96	4.280	
21,800.00	12,207.29	21,998.88	12,479.32	132.72	143.08	-103.72	-9,490.73	2,336.46	1,134.04	866.41	267.62	4.237	
21,900.00	12,208.16	22,098.87	12,479.85	134.07	144.45	-103.71	-9,590.73	2,337.37	1,134.00	863.71	270.29	4.196	
22,000.00	12,209.03	22,198.87	12,480.37	135.42	145.81	-103.69	-9,690.72	2,338.28	1,133.97	861.01	272.95	4.154	
22,100.00	12,209.90	22,298.87	12,480.90	136.77	147.18	-103.67	-9,790.71	2,339.19	1,133.93	858.31	275.62	4.114	
22,200.00	12,210.77	22,398.87	12,481.42	138.12	148.54	-103.65	-9,890.71	2,340.10	1,133.89	855.60	278.29	4.075	
22,300.00	12,211.64	22,498.87	12,481.95	139.47	149.91	-103.64	-9,990.70	2,341.01	1,133.86	852.90	280.96	4.036	
22,400.00	12,212.52	22,598.87	12,482.47	140.82	151.27	-103.62	-10,090.70	2,341.92	1,133.82	850.19	283.63	3.998	
22,500.00	12,213.39	22,698.87	12,483.00	142.17	152.63	-103.60	-10,190.69	2,342.82	1,133.79	847.49	286.30	3.960	
22,512.90	12,213.50	22,711.77	12,483.07	142.34	152.81	-103.60	-10,203.58	2,342.94	1,133.78	847.14	286.64	3.955	ES, SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	-45.00	25.00	-25.00	35.36				
100.00	100.00	101.00	101.00	0.98	0.99	-45.00	25.00	-25.00	35.36	33.39	1.97	17.968	
200.00	200.00	201.00	201.00	1.56	1.57	-45.00	25.00	-25.00	35.36	32.23	3.13	11.309	
300.00	300.00	301.00	301.00	1.98	1.98	-45.00	25.00	-25.00	35.36	31.39	3.97	8.915	CC
400.00	399.99	400.99	400.99	2.41	2.33	-122.92	25.00	-25.00	36.05	31.37	4.68	7.696	ES
500.00	499.91	500.91	500.91	2.78	2.64	-127.82	25.00	-25.00	38.33	33.00	5.32	7.201	
600.00	599.69	600.69	600.69	3.12	2.91	-134.73	25.00	-25.00	42.65	36.73	5.92	7.205	
633.33	632.91	633.91	633.91	3.15	3.00	-137.22	25.00	-25.00	44.64	38.60	6.04	7.388	
700.00	699.32	700.32	700.32	3.25	3.16	-141.83	25.00	-25.00	49.07	42.74	6.33	7.748	
800.00	798.94	799.94	799.94	3.50	3.40	-147.32	25.00	-25.00	56.19	49.35	6.84	8.219	
900.00	898.56	899.56	899.56	3.74	3.62	-151.55	25.00	-25.00	63.71	56.40	7.31	8.713	
1,000.00	998.18	999.54	999.54	3.97	3.76	-154.88	25.00	-24.95	71.45	63.76	7.69	9.291	
1,100.00	1,097.80	1,101.27	1,101.25	4.20	4.00	-157.45	24.93	-23.08	77.61	69.44	8.17	9.503	
1,200.00	1,197.42	1,203.28	1,203.15	4.42	4.24	-159.47	24.77	-18.48	81.24	72.61	8.63	9.416	
1,300.00	1,297.04	1,305.43	1,305.03	4.64	4.47	-161.23	24.52	-11.15	82.29	73.23	9.06	9.079	
1,400.00	1,396.66	1,405.57	1,404.79	4.86	4.61	-162.89	24.21	-2.44	81.88	72.45	9.43	8.686	
1,500.00	1,496.28	1,505.54	1,504.38	5.07	4.79	-164.55	23.91	6.27	81.53	71.70	9.82	8.300	
1,600.00	1,595.90	1,605.51	1,603.98	5.28	4.97	-166.23	23.60	14.98	81.25	71.03	10.22	7.952	
1,700.00	1,695.52	1,705.48	1,703.57	5.48	5.15	-167.92	23.30	23.68	81.04	70.43	10.61	7.639	
1,800.00	1,795.14	1,805.45	1,803.16	5.69	5.33	-169.62	23.00	32.39	80.90	69.90	11.00	7.357	
1,900.00	1,894.76	1,905.42	1,902.75	5.89	5.50	-171.32	22.69	41.10	80.83	69.45	11.38	7.101	
1,945.89	1,940.47	1,951.30	1,948.45	5.98	5.59	-172.10	22.55	45.10	80.82	69.26	11.56	6.992	
2,000.00	1,994.38	2,005.39	2,002.34	6.09	5.68	-173.03	22.39	49.81	80.83	69.06	11.77	6.870	
2,100.00	2,094.00	2,105.37	2,101.93	6.29	5.86	-174.73	22.08	58.51	80.91	68.76	12.15	6.660	
2,200.00	2,193.62	2,205.37	2,201.55	6.50	6.05	-176.42	21.78	67.23	81.05	68.51	12.54	6.461	
2,206.41	2,200.00	2,211.91	2,208.07	6.52	6.06	-176.53	21.76	67.80	81.05	68.48	12.57	6.448	
2,222.17	2,215.70	2,227.99	2,224.08	6.55	6.09	-176.79	21.74	69.26	81.05	68.42	12.63	6.416	
2,300.00	2,293.13	2,307.43	2,303.11	6.72	6.24	-177.92	22.10	77.37	81.08	68.14	12.95	6.263	
2,400.00	2,392.34	2,409.52	2,404.40	6.95	6.45	-178.99	23.64	89.93	81.18	67.81	13.38	6.070	
2,500.00	2,491.20	2,511.63	2,505.37	7.18	6.67	-179.63	26.41	104.91	81.33	67.52	13.80	5.892	
2,600.00	2,589.63	2,613.75	2,605.91	7.41	6.88	-179.83	30.40	122.30	81.49	67.26	14.23	5.727	
2,700.00	2,687.57	2,715.87	2,705.96	7.65	7.10	-179.61	35.60	142.08	81.67	67.02	14.65	5.574	
2,800.00	2,784.94	2,817.99	2,805.44	7.88	7.32	-178.96	42.03	164.23	81.87	66.80	15.07	5.432	
2,873.30	2,855.92	2,892.84	2,877.95	8.02	7.48	-178.21	47.50	181.97	82.05	66.70	15.34	5.347	
2,900.00	2,881.71	2,919.66	2,903.85	8.06	7.53	-177.90	49.59	188.58	82.08	66.65	15.43	5.318	
3,000.00	2,978.30	3,019.64	3,000.43	8.28	7.72	-176.73	57.41	213.26	82.22	66.37	15.85	5.187	
3,100.00	3,074.89	3,119.63	3,097.01	8.49	7.91	-175.56	65.22	237.93	82.39	66.12	16.27	5.064	
3,200.00	3,171.49	3,219.61	3,193.59	8.71	8.10	-174.40	73.04	262.60	82.59	65.90	16.69	4.949	
3,300.00	3,268.08	3,319.60	3,290.17	8.93	8.30	-173.25	80.85	287.27	82.83	65.71	17.11	4.840	
3,400.00	3,364.67	3,419.58	3,386.74	9.16	8.57	-172.10	88.67	311.94	83.10	65.56	17.54	4.738	
3,500.00	3,461.26	3,519.57	3,483.32	9.42	8.85	-170.96	96.48	336.61	83.40	65.43	17.97	4.641	
3,600.00	3,557.85	3,619.56	3,579.90	9.70	9.14	-169.83	104.29	361.29	83.74	65.34	18.40	4.550	
3,700.00	3,654.44	3,719.54	3,676.48	10.00	9.44	-168.71	112.11	385.96	84.11	65.27	18.84	4.464	
3,800.00	3,751.03	3,819.53	3,773.06	10.30	9.73	-167.60	119.92	410.63	84.51	65.23	19.28	4.383	
3,900.00	3,847.62	3,919.51	3,869.64	10.61	10.04	-166.50	127.74	435.30	84.95	65.21	19.73	4.305	
4,000.00	3,944.21	4,019.50	3,966.22	10.93	10.34	-165.41	135.55	459.97	85.41	65.23	20.18	4.232	
4,100.00	4,040.80	4,119.49	4,062.79	11.25	10.65	-164.33	143.36	484.65	85.90	65.26	20.64	4.162	
4,200.00	4,137.40	4,219.47	4,159.37	11.57	10.96	-163.27	151.18	509.32	86.43	65.32	21.10	4.095	
4,300.00	4,233.99	4,319.46	4,255.95	11.89	11.27	-162.22	158.99	533.99	86.98	65.41	21.57	4.032	
4,400.00	4,330.58	4,419.44	4,352.53	12.21	11.58	-161.18	166.81	558.66	87.56	65.51	22.05	3.971	
4,500.00	4,427.17	4,519.43	4,449.11	12.54	11.90	-160.16	174.62	583.33	88.18	65.64	22.53	3.913	
4,600.00	4,523.76	4,619.41	4,545.69	12.87	12.22	-159.15	182.44	608.01	88.81	65.79	23.02	3.858	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,620.35	4,719.40	4,642.26	13.20	12.54	-158.16	190.25	632.68	89.48	65.96	23.52	3.805	
4,800.00	4,716.94	4,819.39	4,738.84	13.53	12.86	-157.18	198.06	657.35	90.17	66.15	24.02	3.754	
4,900.00	4,813.53	4,919.37	4,835.42	13.86	13.19	-156.21	205.88	682.02	90.89	66.36	24.53	3.705	
5,000.00	4,910.12	5,019.36	4,932.00	14.19	13.51	-155.27	213.69	706.69	91.63	66.58	25.05	3.658	
5,100.00	5,006.72	5,119.34	5,028.58	14.53	13.84	-154.33	221.51	731.36	92.40	66.83	25.57	3.613	
5,200.00	5,103.31	5,219.33	5,125.16	14.86	14.17	-153.42	229.32	756.04	93.19	67.09	26.11	3.570	
5,300.00	5,199.90	5,319.32	5,221.74	15.20	14.49	-152.51	237.14	780.71	94.01	67.37	26.64	3.528	
5,400.00	5,296.49	5,418.72	5,317.78	15.53	14.81	-151.67	244.88	805.15	94.93	67.75	27.18	3.492	
5,500.00	5,393.08	5,516.60	5,412.81	15.87	15.12	-151.44	251.95	827.49	97.48	69.77	27.71	3.518	
5,600.00	5,489.67	5,614.32	5,508.25	16.21	15.40	-151.97	258.28	847.48	102.19	74.02	28.17	3.627	
5,700.00	5,586.26	5,711.75	5,603.91	16.55	15.65	-153.14	263.86	865.09	109.11	80.53	28.58	3.818	
5,800.00	5,682.85	5,808.77	5,699.60	16.89	15.88	-154.75	268.68	880.30	118.28	89.35	28.93	4.089	
5,900.00	5,779.44	5,905.25	5,795.14	17.23	16.08	-156.64	272.74	893.12	129.78	100.53	29.25	4.437	
5,915.24	5,794.17	5,919.90	5,809.68	17.27	16.10	-156.94	273.29	894.87	131.74	102.45	29.29	4.498	
6,000.00	5,876.27	6,000.00	5,889.26	17.54	16.25	-158.53	276.02	903.48	142.80	113.28	29.52	4.837	
6,100.00	5,973.71	6,096.86	5,985.73	17.85	16.40	-160.20	278.64	911.76	155.81	125.98	29.83	5.223	
6,200.00	6,071.71	6,192.20	6,080.87	18.12	16.52	-161.64	280.50	917.63	168.76	138.65	30.11	5.604	
6,300.00	6,170.19	6,287.24	6,175.83	18.37	16.62	-162.90	281.64	921.23	181.63	151.26	30.37	5.980	
6,400.00	6,269.10	6,381.97	6,270.55	18.59	16.70	-164.03	282.07	922.57	194.40	163.84	30.56	6.360	
6,500.00	6,368.35	6,480.77	6,369.35	18.78	16.75	-165.00	282.07	922.58	206.11	175.33	30.78	6.696	
6,600.00	6,467.89	6,580.31	6,468.89	18.94	16.81	-165.69	282.07	922.58	215.35	184.34	31.01	6.944	
6,700.00	6,567.65	6,680.07	6,568.65	19.07	16.87	-166.16	282.07	922.58	222.09	190.85	31.24	7.110	
6,800.00	6,667.55	6,779.97	6,668.55	19.18	16.93	-166.43	282.07	922.58	226.30	194.84	31.46	7.194	
6,900.00	6,767.53	6,879.95	6,768.53	19.26	16.98	-166.54	282.07	922.58	227.96	196.31	31.65	7.202	
6,915.47	6,783.00	6,895.42	6,784.00	19.26	16.99	-90.39	282.07	922.58	228.00	196.33	31.67	7.199	
7,000.00	6,867.53	6,979.95	6,868.53	19.30	17.04	-90.39	282.07	922.58	228.00	196.24	31.76	7.180	
7,100.00	6,967.53	7,079.95	6,968.53	19.35	17.10	-90.39	282.07	922.58	228.00	196.13	31.87	7.155	
7,200.00	7,067.53	7,179.95	7,068.53	19.40	17.16	-90.39	282.07	922.58	228.00	196.02	31.98	7.130	
7,300.00	7,167.53	7,279.95	7,168.53	19.45	17.22	-90.39	282.07	922.58	228.00	195.91	32.09	7.105	
7,400.00	7,267.53	7,379.95	7,268.53	19.50	17.28	-90.39	282.07	922.58	228.00	195.79	32.20	7.081	
7,500.00	7,367.53	7,479.95	7,368.53	19.55	17.34	-90.39	282.07	922.58	228.00	195.68	32.31	7.056	
7,600.00	7,467.53	7,579.95	7,468.53	19.60	17.40	-90.39	282.07	922.58	228.00	195.57	32.43	7.031	
7,700.00	7,567.53	7,679.95	7,568.53	19.65	17.46	-90.39	282.07	922.58	228.00	195.46	32.54	7.007	
7,800.00	7,667.53	7,779.95	7,668.53	19.71	17.52	-90.39	282.07	922.58	228.00	195.34	32.65	6.982	
7,900.00	7,767.53	7,879.95	7,768.53	19.76	17.58	-90.39	282.07	922.58	228.00	195.23	32.77	6.958	
8,000.00	7,867.53	7,979.95	7,868.53	19.81	17.64	-90.39	282.07	922.58	228.00	195.11	32.88	6.934	
8,100.00	7,967.53	8,079.95	7,968.53	19.86	17.70	-90.39	282.07	922.58	228.00	195.00	33.00	6.910	
8,200.00	8,067.53	8,179.95	8,068.53	19.92	17.76	-90.39	282.07	922.58	228.00	194.88	33.11	6.886	
8,300.00	8,167.53	8,279.95	8,168.53	19.97	17.82	-90.39	282.07	922.58	228.00	194.77	33.23	6.862	
8,400.00	8,267.53	8,379.95	8,268.53	20.02	17.88	-90.39	282.07	922.58	228.00	194.65	33.34	6.838	
8,500.00	8,367.53	8,479.95	8,368.53	20.08	17.94	-90.39	282.07	922.58	228.00	194.54	33.46	6.814	
8,600.00	8,467.53	8,579.95	8,468.53	20.13	18.00	-90.39	282.07	922.58	228.00	194.42	33.58	6.790	
8,700.00	8,567.53	8,679.95	8,568.53	20.18	18.06	-90.39	282.07	922.58	228.00	194.30	33.69	6.767	
8,800.00	8,667.53	8,779.95	8,668.53	20.24	18.13	-90.39	282.07	922.58	228.00	194.18	33.81	6.743	
8,900.00	8,767.53	8,879.95	8,768.53	20.29	18.19	-90.39	282.07	922.58	228.00	194.07	33.93	6.720	
9,000.00	8,867.53	8,979.95	8,868.53	20.35	18.25	-90.39	282.07	922.58	228.00	193.95	34.05	6.696	
9,100.00	8,967.53	9,079.95	8,968.53	20.40	18.31	-90.39	282.07	922.58	228.00	193.83	34.17	6.673	
9,200.00	9,067.53	9,179.95	9,068.53	20.45	18.37	-90.39	282.07	922.58	228.00	193.71	34.29	6.650	
9,300.00	9,167.53	9,279.95	9,168.53	20.51	18.44	-90.39	282.07	922.58	228.00	193.59	34.41	6.627	
9,400.00	9,267.53	9,379.95	9,268.53	20.56	18.50	-90.39	282.07	922.58	228.00	193.47	34.52	6.604	
9,500.00	9,367.53	9,479.95	9,368.53	20.62	18.56	-90.39	282.07	922.58	228.00	193.35	34.65	6.581	
9,600.00	9,467.53	9,579.95	9,468.53	20.68	18.62	-90.39	282.07	922.58	228.00	193.23	34.77	6.558	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,679.95	9,568.53	20.73	18.69	-90.39	282.07	922.58	228.00	193.11	34.89	6.535	
9,800.00	9,667.53	9,779.95	9,668.53	20.79	18.75	-90.39	282.07	922.58	228.00	192.99	35.01	6.513	
9,900.00	9,767.53	9,879.95	9,768.53	20.84	18.81	-90.39	282.07	922.58	228.00	192.87	35.13	6.490	
10,000.00	9,867.53	9,979.95	9,868.53	20.90	18.88	-90.39	282.07	922.58	228.00	192.74	35.25	6.468	
10,100.00	9,967.53	10,079.95	9,968.53	20.95	18.94	-90.39	282.07	922.58	228.00	192.62	35.37	6.445	
10,200.00	10,067.53	10,179.95	10,068.53	21.01	19.00	-90.39	282.07	922.58	228.00	192.50	35.50	6.423	
10,300.00	10,167.53	10,279.95	10,168.53	21.07	19.07	-90.39	282.07	922.58	228.00	192.38	35.62	6.401	
10,400.00	10,267.53	10,379.95	10,268.53	21.12	19.13	-90.39	282.07	922.58	228.00	192.25	35.74	6.379	
10,500.00	10,367.53	10,479.95	10,368.53	21.18	19.20	-90.39	282.07	922.58	228.00	192.13	35.87	6.357	
10,600.00	10,467.53	10,579.95	10,468.53	21.24	19.26	-90.39	282.07	922.58	228.00	192.01	35.99	6.335	
10,700.00	10,567.53	10,679.95	10,568.53	21.30	19.33	-90.39	282.07	922.58	228.00	191.88	36.11	6.313	
10,800.00	10,667.53	10,779.95	10,668.53	21.35	19.39	-90.39	282.07	922.58	228.00	191.76	36.24	6.292	
10,900.00	10,767.53	10,879.95	10,768.53	21.41	19.45	-90.39	282.07	922.58	228.00	191.63	36.36	6.270	
11,000.00	10,867.53	10,979.95	10,868.53	21.47	19.52	-90.39	282.07	922.58	228.00	191.51	36.49	6.249	
11,100.00	10,967.53	11,079.95	10,968.53	21.53	19.58	-90.39	282.07	922.58	228.00	191.38	36.61	6.227	
11,200.00	11,067.53	11,179.95	11,068.53	21.58	19.65	-90.39	282.07	922.58	228.00	191.26	36.74	6.206	
11,300.00	11,167.53	11,279.95	11,168.53	21.64	19.71	-90.39	282.07	922.58	228.00	191.13	36.86	6.185	
11,400.00	11,267.53	11,379.95	11,268.53	21.70	19.78	-90.39	282.07	922.58	228.00	191.01	36.99	6.164	
11,500.00	11,367.53	11,479.95	11,368.53	21.76	19.84	-90.39	282.07	922.58	228.00	190.88	37.12	6.143	
11,600.00	11,467.53	11,579.95	11,468.53	21.82	19.91	-90.39	282.07	922.58	228.00	190.75	37.24	6.122	
11,686.47	11,554.00	11,666.42	11,555.00	21.86	19.97	-90.39	282.07	922.58	228.00	190.65	37.35	6.105	
11,700.00	11,567.53	11,679.95	11,568.53	21.86	19.98	90.14	282.07	922.58	228.00	190.64	37.36	6.103	
11,750.00	11,617.40	11,729.82	11,618.40	21.90	20.01	90.98	282.07	922.58	228.03	190.63	37.40	6.097	
11,800.00	11,666.79	11,779.21	11,667.79	21.93	20.04	92.86	282.07	922.58	228.29	190.82	37.47	6.093	
11,850.00	11,715.32	11,827.74	11,716.32	21.95	20.07	95.67	282.07	922.58	229.21	191.64	37.57	6.101	
11,900.00	11,762.62	11,875.05	11,763.62	21.97	20.10	99.22	282.07	922.58	231.43	193.71	37.73	6.135	
11,950.00	11,808.34	11,920.76	11,809.34	21.99	20.13	103.26	282.07	922.58	235.75	197.80	37.95	6.213	
12,000.00	11,852.12	11,964.54	11,853.12	22.01	20.16	107.48	282.07	922.58	243.00	204.77	38.24	6.355	
12,050.00	11,893.63	12,006.05	11,894.63	22.03	20.19	111.57	282.07	922.58	253.99	215.40	38.58	6.583	
12,100.00	11,932.55	12,044.97	11,933.55	22.05	20.21	115.25	282.07	922.58	269.28	230.33	38.95	6.914	
12,150.00	11,968.60	12,095.59	11,984.12	22.09	20.24	120.06	280.13	922.60	288.37	249.07	39.30	7.337	
12,200.00	12,001.49	12,152.25	12,040.26	22.13	20.28	124.77	272.69	922.66	309.70	270.01	39.69	7.803	
12,250.00	12,030.97	12,215.18	12,101.41	22.19	20.31	129.25	257.98	922.79	332.48	292.30	40.18	8.274	
12,300.00	12,056.82	12,286.17	12,167.99	22.26	20.34	133.53	233.45	923.00	355.88	314.98	40.90	8.701	
12,350.00	12,078.85	12,367.53	12,239.87	22.35	20.37	137.60	195.48	923.33	378.97	337.00	41.98	9.028	
12,400.00	12,096.88	12,440.70	12,299.14	22.47	20.40	140.24	152.69	923.69	400.62	357.66	42.96	9.325	
12,450.00	12,110.78	12,572.08	12,390.74	22.60	20.49	144.68	58.98	924.50	419.60	373.98	45.61	9.199	
12,500.00	12,120.45	12,699.14	12,456.58	22.75	20.66	147.27	-49.39	925.43	434.23	386.14	48.09	9.030	
12,550.00	12,125.80	12,840.94	12,499.91	22.93	20.99	148.83	-184.01	926.59	442.95	392.41	50.54	8.764	
12,581.47	12,126.94	12,934.68	12,509.79	23.05	21.30	149.16	-277.13	927.40	444.84	393.06	51.78	8.591	
12,600.00	12,127.10	12,959.03	12,510.07	23.12	21.39	149.17	-301.47	927.61	444.86	392.93	51.93	8.566	
12,700.00	12,127.97	13,059.03	12,510.95	23.56	21.81	149.17	-401.47	928.47	444.86	392.52	52.34	8.500	
12,800.00	12,128.84	13,159.03	12,511.82	24.06	22.30	149.17	-501.46	929.33	444.86	392.07	52.79	8.428	
12,900.00	12,129.71	13,259.03	12,512.69	24.61	22.85	149.17	-601.45	930.19	444.86	391.58	53.28	8.349	
13,000.00	12,130.58	13,359.03	12,513.57	25.21	23.46	149.17	-701.44	931.05	444.86	391.04	53.82	8.265	
13,100.00	12,131.46	13,459.03	12,514.44	25.87	24.13	149.17	-801.44	931.91	444.87	390.46	54.40	8.177	
13,200.00	12,132.33	13,559.03	12,515.31	26.56	24.84	149.17	-901.43	932.77	444.87	389.84	55.03	8.085	
13,300.00	12,133.20	13,659.03	12,516.19	27.30	25.61	149.17	-1,001.42	933.63	444.87	389.18	55.69	7.989	
13,400.00	12,134.07	13,759.03	12,517.06	28.08	26.42	149.17	-1,101.41	934.49	444.87	388.48	56.39	7.889	
13,500.00	12,134.94	13,859.03	12,517.93	28.90	27.27	149.17	-1,201.41	935.36	444.87	387.75	57.12	7.788	
13,600.00	12,135.81	13,959.03	12,518.81	29.75	28.16	149.17	-1,301.40	936.22	444.87	386.98	57.90	7.684	
13,700.00	12,136.69	14,059.03	12,519.68	30.63	29.08	149.17	-1,401.39	937.08	444.88	386.17	58.70	7.579	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,137.56	14,159.03	12,520.56	31.55	30.04	149.17	-1,501.38	937.94	444.88	385.34	59.54	7.472	
13,900.00	12,138.43	14,259.03	12,521.43	32.50	31.03	149.17	-1,601.38	938.80	444.88	384.47	60.41	7.364	
14,000.00	12,139.30	14,359.03	12,522.30	33.47	32.04	149.17	-1,701.37	939.66	444.88	383.57	61.31	7.256	
14,100.00	12,140.17	14,459.03	12,523.18	34.47	33.08	149.17	-1,801.36	940.52	444.88	382.65	62.24	7.148	
14,200.00	12,141.04	14,559.03	12,524.05	35.49	34.14	149.17	-1,901.35	941.38	444.89	381.69	63.19	7.040	
14,300.00	12,141.92	14,659.03	12,524.92	36.53	35.22	149.17	-2,001.35	942.25	444.89	380.71	64.17	6.933	
14,400.00	12,142.79	14,759.03	12,525.80	37.59	36.32	149.17	-2,101.34	943.11	444.89	379.71	65.18	6.826	
14,500.00	12,143.66	14,859.03	12,526.67	38.67	37.44	149.17	-2,201.33	943.97	444.89	378.68	66.21	6.720	
14,600.00	12,144.53	14,959.03	12,527.54	39.77	38.57	149.17	-2,301.32	944.83	444.89	377.63	67.26	6.614	
14,700.00	12,145.40	15,059.03	12,528.42	40.88	39.72	149.17	-2,401.32	945.69	444.89	376.56	68.33	6.511	
14,800.00	12,146.27	15,159.03	12,529.29	42.01	40.89	149.17	-2,501.31	946.55	444.90	375.47	69.43	6.408	
14,900.00	12,147.14	15,259.03	12,530.17	43.15	42.06	149.17	-2,601.30	947.41	444.90	374.35	70.54	6.307	
15,000.00	12,148.02	15,359.03	12,531.04	44.31	43.25	149.17	-2,701.29	948.27	444.90	373.22	71.68	6.207	
15,100.00	12,148.89	15,459.03	12,531.91	45.47	44.44	149.17	-2,801.29	949.13	444.90	372.07	72.83	6.109	
15,200.00	12,149.76	15,559.03	12,532.79	46.65	45.65	149.17	-2,901.28	950.00	444.90	370.91	74.00	6.013	
15,300.00	12,150.63	15,659.03	12,533.66	47.83	46.87	149.17	-3,001.27	950.86	444.90	369.73	75.18	5.918	
15,400.00	12,151.50	15,759.03	12,534.53	49.03	48.09	149.17	-3,101.26	951.72	444.91	368.53	76.38	5.825	
15,500.00	12,152.37	15,859.03	12,535.41	50.23	49.32	149.17	-3,201.26	952.58	444.91	367.32	77.59	5.734	
15,600.00	12,153.25	15,959.03	12,536.28	51.45	50.56	149.17	-3,301.25	953.44	444.91	366.09	78.82	5.645	
15,700.00	12,154.12	16,059.03	12,537.15	52.67	51.80	149.17	-3,401.24	954.30	444.91	364.85	80.06	5.557	
15,800.00	12,154.99	16,159.03	12,538.03	53.89	53.06	149.17	-3,501.23	955.16	444.91	363.60	81.32	5.471	
15,900.00	12,155.86	16,259.03	12,538.90	55.13	54.31	149.17	-3,601.23	956.02	444.92	362.33	82.58	5.387	
16,000.00	12,156.73	16,359.03	12,539.77	56.37	55.57	149.17	-3,701.22	956.88	444.92	361.05	83.86	5.305	
16,100.00	12,157.60	16,459.03	12,540.65	57.61	56.84	149.17	-3,801.21	957.75	444.92	359.77	85.15	5.225	
16,200.00	12,158.48	16,559.03	12,541.52	58.86	58.11	149.17	-3,901.20	958.61	444.92	358.47	86.45	5.146	
16,300.00	12,159.35	16,659.03	12,542.40	60.12	59.39	149.17	-4,001.20	959.47	444.92	357.16	87.76	5.070	
16,400.00	12,160.22	16,759.03	12,543.27	61.38	60.67	149.17	-4,101.19	960.33	444.92	355.84	89.08	4.994	
16,500.00	12,161.09	16,859.03	12,544.14	62.65	61.95	149.17	-4,201.18	961.19	444.93	354.51	90.41	4.921	
16,600.00	12,161.96	16,959.03	12,545.02	63.92	63.24	149.17	-4,301.17	962.05	444.93	353.18	91.75	4.849	
16,700.00	12,162.83	17,059.03	12,545.89	65.19	64.53	149.17	-4,401.17	962.91	444.93	351.83	93.10	4.779	
16,800.00	12,163.71	17,159.03	12,546.76	66.47	65.83	149.17	-4,501.16	963.77	444.93	350.48	94.45	4.711	
16,900.00	12,164.58	17,259.03	12,547.64	67.75	67.12	149.17	-4,601.15	964.64	444.93	349.12	95.82	4.644	
17,000.00	12,165.45	17,359.03	12,548.51	69.04	68.42	149.17	-4,701.14	965.50	444.93	347.75	97.19	4.578	
17,100.00	12,166.32	17,459.03	12,549.38	70.32	69.73	149.17	-4,801.14	966.36	444.94	346.37	98.56	4.514	
17,200.00	12,167.19	17,559.03	12,550.26	71.61	71.03	149.17	-4,901.13	967.22	444.94	344.99	99.95	4.452	
17,300.00	12,168.06	17,659.03	12,551.13	72.91	72.34	149.17	-5,001.12	968.08	444.94	343.60	101.34	4.391	
17,400.00	12,168.94	17,759.03	12,552.00	74.21	73.65	149.17	-5,101.11	968.94	444.94	342.21	102.73	4.331	
17,500.00	12,169.81	17,859.03	12,552.88	75.50	74.96	149.17	-5,201.11	969.80	444.94	340.81	104.14	4.273	
17,600.00	12,170.68	17,959.03	12,553.75	76.81	76.28	149.17	-5,301.10	970.66	444.95	339.40	105.55	4.216	
17,700.00	12,171.55	18,059.03	12,554.63	78.11	77.59	149.17	-5,401.09	971.52	444.95	337.99	106.96	4.160	
17,800.00	12,172.42	18,159.03	12,555.50	79.42	78.91	149.17	-5,501.08	972.39	444.95	336.57	108.38	4.105	
17,900.00	12,173.29	18,259.03	12,556.37	80.72	80.23	149.17	-5,601.08	973.25	444.95	335.14	109.81	4.052	
18,000.00	12,174.17	18,359.03	12,557.25	82.03	81.55	149.17	-5,701.07	974.11	444.95	333.72	111.24	4.000	
18,100.00	12,175.04	18,459.03	12,558.12	83.35	82.87	149.17	-5,801.06	974.97	444.95	332.28	112.67	3.949	
18,200.00	12,175.91	18,559.03	12,558.99	84.66	84.20	149.18	-5,901.05	975.83	444.96	330.84	114.11	3.899	
18,300.00	12,176.78	18,659.03	12,559.87	85.98	85.52	149.18	-6,001.05	976.69	444.96	329.40	115.56	3.851	
18,400.00	12,177.65	18,759.03	12,560.74	87.29	86.85	149.18	-6,101.04	977.55	444.96	327.96	117.00	3.803	
18,500.00	12,178.52	18,859.03	12,561.61	88.61	88.18	149.18	-6,201.03	978.41	444.96	326.51	118.46	3.756	
18,600.00	12,179.39	18,959.03	12,562.49	89.93	89.51	149.18	-6,301.02	979.27	444.96	325.05	119.91	3.711	
18,700.00	12,180.27	19,059.03	12,563.36	91.26	90.84	149.18	-6,401.02	980.14	444.96	323.59	121.37	3.666	
18,800.00	12,181.14	19,159.03	12,564.24	92.58	92.17	149.18	-6,501.01	981.00	444.97	322.13	122.84	3.622	
18,900.00	12,182.01	19,259.03	12,565.11	93.90	93.51	149.18	-6,601.00	981.86	444.97	320.67	124.30	3.580	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	12,182.88	19,359.03	12,565.98	95.23	94.84	149.18	-6,700.99	982.72	444.97	319.20	125.77	3.538	
19,100.00	12,183.75	19,459.03	12,566.86	96.56	96.17	149.18	-6,800.99	983.58	444.97	317.72	127.25	3.497	
19,200.00	12,184.62	19,559.03	12,567.73	97.89	97.51	149.18	-6,900.98	984.44	444.97	316.25	128.72	3.457	
19,300.00	12,185.50	19,659.03	12,568.60	99.22	98.85	149.18	-7,000.97	985.30	444.98	314.77	130.20	3.418	
19,400.00	12,186.37	19,759.03	12,569.48	100.55	100.19	149.18	-7,100.96	986.16	444.98	313.29	131.69	3.379	
19,500.00	12,187.24	19,859.03	12,570.35	101.88	101.53	149.18	-7,200.96	987.03	444.98	311.81	133.17	3.341	
19,600.00	12,188.11	19,959.03	12,571.22	103.21	102.86	149.18	-7,300.95	987.89	444.98	310.32	134.66	3.304	
19,700.00	12,188.98	20,059.03	12,572.10	104.54	104.21	149.18	-7,400.94	988.75	444.98	308.83	136.15	3.268	
19,800.00	12,189.85	20,159.03	12,572.97	105.88	105.55	149.18	-7,500.93	989.61	444.98	307.34	137.65	3.233	
19,900.00	12,190.73	20,259.03	12,573.84	107.21	106.89	149.18	-7,600.93	990.47	444.99	305.84	139.14	3.198	
20,000.00	12,191.60	20,359.03	12,574.72	108.55	108.23	149.18	-7,700.92	991.33	444.99	304.34	140.64	3.164	
20,100.00	12,192.47	20,459.03	12,575.59	109.89	109.57	149.18	-7,800.91	992.19	444.99	302.85	142.14	3.131	
20,200.00	12,193.34	20,559.03	12,576.47	111.23	110.92	149.18	-7,900.90	993.05	444.99	301.34	143.65	3.098	
20,300.00	12,194.21	20,659.03	12,577.34	112.56	112.26	149.18	-8,000.90	993.91	444.99	299.84	145.15	3.066	
20,400.00	12,195.08	20,759.03	12,578.21	113.90	113.61	149.18	-8,100.89	994.78	444.99	298.33	146.66	3.034	
20,500.00	12,195.96	20,859.03	12,579.09	115.24	114.95	149.18	-8,200.88	995.64	445.00	296.82	148.17	3.003	
20,600.00	12,196.83	20,959.03	12,579.96	116.58	116.30	149.18	-8,300.87	996.50	445.00	295.31	149.68	2.973	
20,700.00	12,197.70	21,059.03	12,580.83	117.93	117.65	149.18	-8,400.87	997.36	445.00	293.80	151.20	2.943	
20,800.00	12,198.57	21,159.03	12,581.71	119.27	118.99	149.18	-8,500.86	998.22	445.00	292.29	152.71	2.914	
20,900.00	12,199.44	21,259.03	12,582.58	120.61	120.34	149.18	-8,600.85	999.08	445.00	290.77	154.23	2.885	
21,000.00	12,200.31	21,359.03	12,583.45	121.95	121.69	149.18	-8,700.84	999.94	445.01	289.25	155.75	2.857	
21,100.00	12,201.19	21,459.03	12,584.33	123.30	123.04	149.18	-8,800.84	1,000.80	445.01	287.73	157.27	2.830	
21,200.00	12,202.06	21,559.03	12,585.20	124.64	124.39	149.18	-8,900.83	1,001.66	445.01	286.21	158.80	2.802	
21,300.00	12,202.93	21,659.03	12,586.08	125.99	125.74	149.18	-9,000.82	1,002.53	445.01	284.69	160.32	2.776	
21,400.00	12,203.80	21,759.03	12,586.95	127.33	127.09	149.18	-9,100.81	1,003.39	445.01	283.17	161.85	2.750	
21,500.00	12,204.67	21,859.03	12,587.82	128.68	128.44	149.18	-9,200.81	1,004.25	445.01	281.64	163.37	2.724	
21,600.00	12,205.54	21,959.03	12,588.70	130.03	129.79	149.18	-9,300.80	1,005.11	445.02	280.11	164.90	2.699	
21,700.00	12,206.41	22,059.03	12,589.57	131.37	131.14	149.18	-9,400.79	1,005.97	445.02	278.58	166.43	2.674	
21,800.00	12,207.29	22,159.03	12,590.44	132.72	132.49	149.18	-9,500.78	1,006.83	445.02	277.05	167.97	2.649	
21,900.00	12,208.16	22,259.03	12,591.32	134.07	133.85	149.18	-9,600.78	1,007.69	445.02	275.52	169.50	2.625	
22,000.00	12,209.03	22,359.03	12,592.19	135.42	135.20	149.18	-9,700.77	1,008.55	445.02	273.99	171.03	2.602	
22,100.00	12,209.90	22,459.03	12,593.06	136.77	136.55	149.18	-9,800.76	1,009.42	445.02	272.45	172.57	2.579	
22,200.00	12,210.77	22,559.03	12,593.94	138.12	137.90	149.18	-9,900.75	1,010.28	445.03	270.92	174.11	2.556	
22,300.00	12,211.64	22,659.03	12,594.81	139.47	139.26	149.18	-10,000.75	1,011.14	445.03	269.38	175.65	2.534	
22,400.00	12,212.52	22,759.03	12,595.68	140.82	140.61	149.18	-10,100.74	1,012.00	445.03	267.84	177.19	2.512	
22,500.00	12,213.39	22,859.03	12,596.56	142.17	141.97	149.18	-10,200.73	1,012.86	445.03	266.30	178.73	2.490	
22,512.90	12,213.50	22,871.93	12,596.67	142.34	142.14	149.18	-10,213.63	1,012.97	445.03	266.11	178.93	2.487	SF

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 218H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	73.86	671.00	2,319.00	2,414.13				
100.00	100.00	100.00	100.00	0.98	0.98	73.86	671.00	2,319.00	2,414.13	2,412.16	1.96	1,230.326	
200.00	200.00	200.00	200.00	1.56	1.56	73.86	671.00	2,319.00	2,414.13	2,411.00	3.12	773.201	
300.00	300.00	300.00	300.00	1.98	1.98	73.86	671.00	2,319.00	2,414.13	2,410.16	3.96	609.271	
400.00	399.99	365.44	365.44	2.41	2.26	-2.28	670.83	2,319.54	2,413.53	2,408.88	4.66	518.142	
500.00	499.91	430.88	430.85	2.78	2.52	-2.26	670.34	2,321.14	2,411.76	2,406.49	5.27	457.666	
600.00	599.69	500.00	499.91	3.12	2.78	-2.23	669.45	2,324.00	2,408.80	2,402.96	5.84	412.408	
633.33	632.91	518.10	517.98	3.15	2.83	-2.22	669.16	2,324.95	2,407.55	2,401.62	5.93	406.226	
700.00	699.32	561.71	561.50	3.25	2.98	-2.19	668.35	2,327.56	2,405.24	2,399.07	6.17	389.968	
800.00	798.94	627.13	626.73	3.50	3.19	-2.13	666.86	2,332.37	2,402.97	2,396.36	6.61	363.304	
900.00	898.56	700.00	699.27	3.74	3.42	-2.04	664.81	2,338.99	2,402.16	2,395.10	7.07	339.916	
909.97	908.49	700.00	699.27	3.76	3.42	-2.04	664.81	2,338.99	2,402.14	2,395.05	7.09	338.851	
1,000.00	998.18	757.85	756.76	3.97	3.58	-1.96	662.90	2,345.18	2,402.76	2,395.31	7.46	322.149	
1,100.00	1,097.80	823.09	821.45	4.20	3.73	-1.86	660.43	2,353.16	2,404.83	2,397.01	7.82	307.454	
1,200.00	1,197.42	917.35	914.80	4.42	3.88	-1.69	656.55	2,365.68	2,407.85	2,399.65	8.20	293.656	
1,300.00	1,297.04	1,017.04	1,013.52	4.64	4.11	-1.52	652.45	2,378.93	2,410.90	2,402.24	8.66	278.527	
1,400.00	1,396.66	1,116.72	1,112.24	4.86	4.33	-1.35	648.34	2,392.19	2,413.97	2,404.87	9.10	265.130	
1,500.00	1,496.28	1,216.41	1,210.95	5.07	4.55	-1.18	644.24	2,405.44	2,417.07	2,407.52	9.55	253.160	
1,600.00	1,595.90	1,316.10	1,309.67	5.28	4.77	-1.01	640.14	2,418.69	2,420.19	2,410.20	9.98	242.384	
1,700.00	1,695.52	1,415.79	1,408.39	5.48	4.98	-0.84	636.04	2,431.95	2,423.33	2,412.91	10.42	232.621	
1,800.00	1,795.14	1,515.48	1,507.11	5.69	5.20	-0.67	631.93	2,445.20	2,426.49	2,415.64	10.85	223.724	
1,900.00	1,894.76	1,615.17	1,605.83	5.89	5.41	-0.50	627.83	2,458.46	2,429.67	2,418.40	11.27	215.576	
2,700.00	2,687.57	2,342.35	2,325.61	7.65	6.94	0.76	597.29	2,557.13	2,426.86	2,412.27	14.59	166.375	
2,800.00	2,784.94	2,400.00	2,382.33	7.88	7.08	0.89	594.23	2,567.02	2,419.64	2,404.68	14.95	161.812	
2,873.30	2,855.92	2,453.27	2,434.59	8.02	7.21	1.02	591.17	2,576.88	2,413.60	2,398.38	15.22	158.541	
2,900.00	2,881.71	2,470.34	2,451.30	8.06	7.25	1.06	590.15	2,580.18	2,411.35	2,396.05	15.30	157.577	
3,000.00	2,978.30	2,534.29	2,513.78	8.28	7.41	1.23	586.12	2,593.20	2,403.88	2,388.21	15.67	153.454	
3,100.00	3,074.89	2,600.00	2,577.74	8.49	7.57	1.42	581.66	2,607.62	2,397.90	2,381.87	16.04	149.526	
3,200.00	3,171.49	2,662.17	2,638.00	8.71	7.71	1.61	577.13	2,622.23	2,393.44	2,377.06	16.38	146.133	
3,300.00	3,268.08	2,750.55	2,723.38	8.93	7.93	1.90	570.39	2,644.03	2,390.16	2,373.37	16.79	142.327	
3,400.00	3,364.67	2,849.59	2,819.05	9.16	8.22	2.22	562.81	2,668.51	2,387.02	2,369.76	17.26	138.296	
3,500.00	3,461.26	2,948.64	2,914.72	9.42	8.53	2.54	555.23	2,692.99	2,383.95	2,366.22	17.73	134.473	
3,600.00	3,557.85	3,047.68	3,010.39	9.70	8.85	2.86	547.65	2,717.47	2,380.96	2,362.76	18.20	130.845	
3,700.00	3,654.44	3,146.72	3,106.05	10.00	9.16	3.18	540.08	2,741.95	2,378.05	2,359.38	18.67	127.397	
3,800.00	3,751.03	3,245.76	3,201.72	10.30	9.49	3.50	532.50	2,766.43	2,375.21	2,356.08	19.14	124.119	
3,900.00	3,847.62	3,344.80	3,297.39	10.61	9.81	3.83	524.92	2,790.91	2,372.45	2,352.85	19.61	120.998	
4,000.00	3,944.21	3,443.84	3,393.06	10.93	10.14	4.15	517.34	2,815.39	2,369.77	2,349.69	20.08	118.025	
4,100.00	4,040.80	3,542.88	3,488.72	11.25	10.47	4.48	509.76	2,839.87	2,367.17	2,346.62	20.55	115.191	
4,200.00	4,137.40	3,641.92	3,584.39	11.57	10.80	4.80	502.19	2,864.35	2,364.64	2,343.62	21.02	112.486	
4,300.00	4,233.99	3,740.96	3,680.06	11.89	11.13	5.13	494.61	2,888.83	2,362.19	2,340.70	21.49	109.903	
4,400.00	4,330.58	3,840.00	3,775.73	12.21	11.47	5.46	487.03	2,913.31	2,359.82	2,337.86	21.97	107.434	
4,500.00	4,427.17	3,939.04	3,871.40	12.54	11.80	5.79	479.45	2,937.79	2,357.53	2,335.10	22.44	105.072	
4,600.00	4,523.76	4,038.08	3,967.06	12.87	12.14	6.11	471.88	2,962.27	2,355.32	2,332.41	22.91	102.810	
4,700.00	4,620.35	4,137.12	4,062.73	13.20	12.48	6.44	464.30	2,986.75	2,353.19	2,329.81	23.38	100.644	
4,800.00	4,716.94	4,236.16	4,158.40	13.53	12.82	6.77	456.72	3,011.23	2,351.13	2,327.28	23.85	98.567	
4,900.00	4,813.53	4,335.20	4,254.07	13.86	13.16	7.10	449.14	3,035.71	2,349.16	2,324.84	24.32	96.574	
5,000.00	4,910.12	4,434.24	4,349.73	14.19	13.50	7.43	441.57	3,060.19	2,347.27	2,322.47	24.80	94.661	
5,100.00	5,006.72	4,533.28	4,445.40	14.53	13.84	7.77	433.99	3,084.67	2,345.45	2,320.18	25.27	92.822	
5,200.00	5,103.31	4,632.32	4,541.07	14.86	14.19	8.10	426.41	3,109.15	2,343.72	2,317.98	25.74	91.054	
5,300.00	5,199.90	4,731.36	4,636.74	15.20	14.53	8.43	418.83	3,133.63	2,342.06	2,315.85	26.21	89.354	
5,400.00	5,296.49	4,830.40	4,732.41	15.53	14.87	8.76	411.25	3,158.11	2,340.49	2,313.81	26.68	87.717	
5,500.00	5,393.08	4,929.44	4,828.07	15.87	15.22	9.10	403.68	3,182.59	2,339.00	2,311.84	27.15	86.140	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 218H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,600.00	5,489.67	5,028.48	4,923.74	16.21	15.56	9.43	396.10	3,207.07	2,337.58	2,309.96	27.62	84.620	
5,700.00	5,586.26	5,127.53	5,019.41	16.55	15.91	9.76	388.52	3,231.55	2,336.25	2,308.16	28.10	83.154	
5,800.00	5,682.85	5,226.57	5,115.08	16.89	16.25	10.10	380.94	3,256.03	2,335.00	2,306.43	28.57	81.739	
5,900.00	5,779.44	5,325.61	5,210.74	17.23	16.60	10.43	373.37	3,280.51	2,333.83	2,304.79	29.04	80.374	
5,915.24	5,794.17	5,340.70	5,225.33	17.27	16.65	10.48	372.21	3,284.24	2,333.66	2,304.56	29.10	80.187	
5,957.31	5,834.86	5,382.37	5,265.58	17.41	16.80	10.62	369.02	3,294.54	2,333.43	2,304.13	29.30	79.642	CC
6,000.00	5,876.27	5,424.67	5,306.44	17.54	16.95	10.76	365.79	3,305.00	2,333.67	2,304.17	29.50	79.112	
6,100.00	5,973.71	5,523.78	5,402.17	17.85	17.30	11.09	358.20	3,329.49	2,336.12	2,306.15	29.97	77.937	
6,200.00	6,071.71	5,622.85	5,497.86	18.12	17.64	11.41	350.62	3,353.98	2,341.21	2,310.77	30.44	76.904	
6,300.00	6,170.19	5,721.82	5,593.47	18.37	17.99	11.73	343.05	3,378.44	2,348.93	2,318.03	30.90	76.015	
6,400.00	6,269.10	5,887.15	5,753.59	18.59	18.54	12.21	330.88	3,417.75	2,358.60	2,327.07	31.53	74.801	
6,500.00	6,368.35	6,128.38	5,989.95	18.78	19.22	12.75	316.68	3,463.63	2,365.76	2,333.45	32.31	73.223	
6,600.00	6,467.89	6,371.71	6,230.95	18.94	19.74	13.14	306.85	3,495.38	2,369.48	2,336.53	32.95	71.918	
6,700.00	6,567.65	6,616.05	6,474.60	19.07	20.08	13.37	301.57	3,512.45	2,369.69	2,336.26	33.43	70.886	
6,800.00	6,667.55	6,809.05	6,667.55	19.18	20.20	13.43	300.61	3,515.55	2,366.74	2,333.09	33.65	70.341	
6,900.00	6,767.53	6,909.03	6,767.53	19.26	20.24	13.44	300.61	3,515.55	2,365.07	2,331.25	33.82	69.921	
6,915.47	6,783.00	6,924.50	6,783.00	19.26	20.24	89.59	300.61	3,515.55	2,365.04	2,331.20	33.84	69.895	
7,000.00	6,867.53	7,009.03	6,867.53	19.30	20.27	89.59	300.61	3,515.55	2,365.04	2,331.14	33.90	69.759	
7,100.00	6,967.53	7,109.03	6,967.53	19.35	20.31	89.59	300.61	3,515.55	2,365.04	2,331.05	33.99	69.578	
7,200.00	7,067.53	7,209.03	7,067.53	19.40	20.35	89.59	300.61	3,515.55	2,365.04	2,330.96	34.08	69.397	
7,300.00	7,167.53	7,309.03	7,167.53	19.45	20.39	89.59	300.61	3,515.55	2,365.04	2,330.87	34.17	69.216	
7,400.00	7,267.53	7,409.03	7,267.53	19.50	20.43	89.59	300.61	3,515.55	2,365.04	2,330.78	34.26	69.034	
7,500.00	7,367.53	7,509.03	7,367.53	19.55	20.46	89.59	300.61	3,515.55	2,365.04	2,330.69	34.35	68.853	
7,600.00	7,467.53	7,609.03	7,467.53	19.60	20.50	89.59	300.61	3,515.55	2,365.04	2,330.60	34.44	68.671	
7,700.00	7,567.53	7,709.03	7,567.53	19.65	20.54	89.59	300.61	3,515.55	2,365.04	2,330.51	34.53	68.490	
7,800.00	7,667.53	7,809.03	7,667.53	19.71	20.58	89.59	300.61	3,515.55	2,365.04	2,330.42	34.62	68.308	
7,900.00	7,767.53	7,909.03	7,767.53	19.76	20.62	89.59	300.61	3,515.55	2,365.04	2,330.33	34.72	68.126	
8,000.00	7,867.53	8,009.03	7,867.53	19.81	20.66	89.59	300.61	3,515.55	2,365.04	2,330.23	34.81	67.945	
8,100.00	7,967.53	8,109.03	7,967.53	19.86	20.70	89.59	300.61	3,515.55	2,365.04	2,330.14	34.90	67.763	
8,200.00	8,067.53	8,209.03	8,067.53	19.92	20.74	89.59	300.61	3,515.55	2,365.04	2,330.05	35.00	67.581	
8,300.00	8,167.53	8,309.03	8,167.53	19.97	20.78	89.59	300.61	3,515.55	2,365.04	2,329.95	35.09	67.399	
8,400.00	8,267.53	8,409.03	8,267.53	20.02	20.82	89.59	300.61	3,515.55	2,365.04	2,329.86	35.18	67.217	
8,500.00	8,367.53	8,509.03	8,367.53	20.08	20.86	89.59	300.61	3,515.55	2,365.04	2,329.76	35.28	67.036	
8,600.00	8,467.53	8,609.03	8,467.53	20.13	20.91	89.59	300.61	3,515.55	2,365.04	2,329.66	35.38	66.854	
8,700.00	8,567.53	8,709.03	8,567.53	20.18	20.95	89.59	300.61	3,515.55	2,365.04	2,329.57	35.47	66.672	
8,800.00	8,667.53	8,809.03	8,667.53	20.24	20.99	89.59	300.61	3,515.55	2,365.04	2,329.47	35.57	66.491	
8,900.00	8,767.53	8,909.03	8,767.53	20.29	21.03	89.59	300.61	3,515.55	2,365.04	2,329.37	35.67	66.309	
9,000.00	8,867.53	9,009.03	8,867.53	20.35	21.07	89.59	300.61	3,515.55	2,365.04	2,329.28	35.76	66.128	
9,100.00	8,967.53	9,109.03	8,967.53	20.40	21.12	89.59	300.61	3,515.55	2,365.04	2,329.18	35.86	65.947	
9,200.00	9,067.53	9,209.03	9,067.53	20.45	21.16	89.59	300.61	3,515.55	2,365.04	2,329.08	35.96	65.766	
9,300.00	9,167.53	9,309.03	9,167.53	20.51	21.20	89.59	300.61	3,515.55	2,365.04	2,328.98	36.06	65.585	
9,400.00	9,267.53	9,409.03	9,267.53	20.56	21.25	89.59	300.61	3,515.55	2,365.04	2,328.88	36.16	65.404	
9,500.00	9,367.53	9,509.03	9,367.53	20.62	21.29	89.59	300.61	3,515.55	2,365.04	2,328.78	36.26	65.224	
9,600.00	9,467.53	9,609.03	9,467.53	20.68	21.33	89.59	300.61	3,515.55	2,365.04	2,328.68	36.36	65.043	
9,700.00	9,567.53	9,709.03	9,567.53	20.73	21.38	89.59	300.61	3,515.55	2,365.04	2,328.58	36.46	64.863	
9,800.00	9,667.53	9,809.03	9,667.53	20.79	21.42	89.59	300.61	3,515.55	2,365.04	2,328.48	36.56	64.683	
9,900.00	9,767.53	9,909.03	9,767.53	20.84	21.47	89.59	300.61	3,515.55	2,365.04	2,328.38	36.67	64.503	
10,000.00	9,867.53	10,009.03	9,867.53	20.90	21.51	89.59	300.61	3,515.55	2,365.04	2,328.27	36.77	64.324	
10,100.00	9,967.53	10,109.03	9,967.53	20.95	21.55	89.59	300.61	3,515.55	2,365.04	2,328.17	36.87	64.144	
10,200.00	10,067.53	10,209.03	10,067.53	21.01	21.60	89.59	300.61	3,515.55	2,365.04	2,328.07	36.97	63.965	
10,300.00	10,167.53	10,309.03	10,167.53	21.07	21.65	89.59	300.61	3,515.55	2,365.04	2,327.96	37.08	63.787	
10,400.00	10,267.53	10,409.03	10,267.53	21.12	21.69	89.59	300.61	3,515.55	2,365.04	2,327.86	37.18	63.608	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 218H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,500.00	10,367.53	10,509.03	10,367.53	21.18	21.74	89.59	300.61	3,515.55	2,365.04	2,327.76	37.29	63.430	
10,600.00	10,467.53	10,609.03	10,467.53	21.24	21.78	89.59	300.61	3,515.55	2,365.04	2,327.65	37.39	63.252	
10,700.00	10,567.53	10,709.03	10,567.53	21.30	21.83	89.59	300.61	3,515.55	2,365.04	2,327.54	37.50	63.074	
10,800.00	10,667.53	10,809.03	10,667.53	21.35	21.87	89.59	300.61	3,515.55	2,365.04	2,327.44	37.60	62.897	
10,900.00	10,767.53	10,909.03	10,767.53	21.41	21.92	89.59	300.61	3,515.55	2,365.04	2,327.33	37.71	62.720	
11,000.00	10,867.53	11,009.03	10,867.53	21.47	21.97	89.59	300.61	3,515.55	2,365.04	2,327.23	37.81	62.543	
11,100.00	10,967.53	11,109.03	10,967.53	21.53	22.02	89.59	300.61	3,515.55	2,365.04	2,327.12	37.92	62.367	
11,200.00	11,067.53	11,209.03	11,067.53	21.58	22.06	89.59	300.61	3,515.55	2,365.04	2,327.01	38.03	62.191	
11,300.00	11,167.53	11,309.03	11,167.53	21.64	22.11	89.59	300.61	3,515.55	2,365.04	2,326.90	38.14	62.015	
11,400.00	11,267.53	11,409.03	11,267.53	21.70	22.16	89.59	300.61	3,515.55	2,365.04	2,326.80	38.24	61.840	
11,500.00	11,367.53	11,509.03	11,367.53	21.76	22.20	89.59	300.61	3,515.55	2,365.04	2,326.69	38.35	61.665	
11,600.00	11,467.53	11,609.03	11,467.53	21.82	22.25	89.59	300.61	3,515.55	2,365.04	2,326.58	38.46	61.490	
11,686.47	11,554.00	11,695.50	11,554.00	21.86	22.29	89.59	300.61	3,515.55	2,365.04	2,326.49	38.55	61.350	
11,700.00	11,567.53	11,709.03	11,567.53	21.86	22.30	-89.92	300.61	3,515.55	2,365.04	2,326.48	38.56	61.339	
11,748.72	11,616.13	11,757.63	11,616.13	21.90	22.32	-90.00	300.61	3,515.55	2,365.04	2,326.47	38.57	61.315	
11,750.00	11,617.40	11,758.90	11,617.40	21.90	22.33	-90.00	300.61	3,515.55	2,365.04	2,326.47	38.57	61.314	
11,800.00	11,666.79	11,808.29	11,666.79	21.93	22.35	-90.19	300.61	3,515.55	2,365.05	2,326.47	38.58	61.303	
11,850.00	11,715.32	11,856.82	11,715.32	21.95	22.37	-90.46	300.61	3,515.55	2,365.12	2,326.54	38.58	61.303	
11,900.00	11,762.62	11,904.12	11,762.62	21.97	22.39	-90.81	300.61	3,515.55	2,365.31	2,326.73	38.58	61.314	
11,950.00	11,808.34	11,949.84	11,808.34	21.99	22.41	-91.22	300.61	3,515.55	2,365.71	2,327.14	38.56	61.345	
12,000.00	11,852.12	12,000.40	11,858.84	22.01	22.46	-91.70	298.44	3,515.57	2,366.34	2,327.78	38.55	61.377	
12,050.00	11,893.63	12,053.44	11,911.39	22.03	22.53	-92.18	291.39	3,515.63	2,367.18	2,328.62	38.56	61.393	
12,100.00	11,932.55	12,109.20	11,965.68	22.05	22.61	-92.67	278.77	3,515.75	2,368.21	2,329.61	38.59	61.368	
12,150.00	11,968.60	12,168.04	12,021.35	22.09	22.72	-93.15	259.81	3,515.92	2,369.40	2,330.74	38.66	61.289	
12,200.00	12,001.49	12,230.30	12,077.81	22.13	22.86	-93.63	233.64	3,516.16	2,370.73	2,331.95	38.77	61.143	
12,250.00	12,030.97	12,296.34	12,134.22	22.19	23.02	-94.10	199.37	3,516.47	2,372.14	2,333.20	38.94	60.918	
12,300.00	12,056.82	12,366.45	12,189.37	22.26	23.23	-94.56	156.15	3,516.86	2,373.59	2,334.42	39.17	60.591	
12,350.00	12,078.85	12,440.82	12,241.63	22.35	23.49	-94.98	103.31	3,517.34	2,375.00	2,335.53	39.47	60.165	
12,400.00	12,096.88	12,519.47	12,288.96	22.47	23.82	-95.37	40.58	3,517.91	2,376.31	2,336.46	39.85	59.629	
12,450.00	12,110.78	12,602.13	12,328.96	22.60	24.22	-95.70	-31.67	3,518.57	2,377.43	2,337.13	40.30	58.996	
12,500.00	12,120.45	12,688.24	12,359.14	22.75	24.71	-95.95	-112.23	3,519.30	2,378.29	2,337.48	40.82	58.269	
12,550.00	12,125.80	12,776.86	12,377.23	22.93	25.28	-96.11	-198.89	3,520.09	2,378.84	2,337.45	41.39	57.477	
12,581.47	12,126.94	12,833.40	12,381.70	23.05	25.67	-96.15	-255.23	3,520.60	2,379.00	2,337.23	41.77	56.958	
12,600.00	12,127.10	12,858.19	12,382.01	23.12	25.85	-96.15	-280.02	3,520.83	2,379.01	2,337.04	41.97	56.681	
12,700.00	12,127.97	12,958.19	12,382.53	23.56	26.60	-96.14	-380.01	3,521.73	2,379.02	2,335.93	43.09	55.214	
12,800.00	12,128.84	13,058.19	12,383.06	24.06	27.41	-96.13	-480.01	3,522.64	2,379.03	2,334.69	44.34	53.655	
12,900.00	12,129.71	13,158.19	12,383.58	24.61	28.26	-96.13	-580.00	3,523.55	2,379.04	2,333.32	45.72	52.035	
13,000.00	12,130.58	13,258.19	12,384.11	25.21	29.14	-96.12	-679.99	3,524.46	2,379.05	2,331.83	47.22	50.384	
13,100.00	12,131.46	13,358.19	12,384.64	25.87	30.06	-96.11	-779.99	3,525.37	2,379.06	2,330.24	48.82	48.727	
13,200.00	12,132.33	13,458.19	12,385.16	26.56	31.02	-96.10	-879.98	3,526.28	2,379.07	2,328.54	50.53	47.084	
13,300.00	12,133.20	13,558.19	12,385.69	27.30	32.00	-96.09	-979.98	3,527.18	2,379.08	2,326.76	52.32	45.472	
13,400.00	12,134.07	13,658.19	12,386.21	28.08	33.00	-96.08	-1,079.97	3,528.09	2,379.09	2,324.90	54.19	43.902	
13,500.00	12,134.94	13,758.19	12,386.74	28.90	34.03	-96.08	-1,179.96	3,529.00	2,379.10	2,322.97	56.13	42.383	
13,600.00	12,135.81	13,858.19	12,387.26	29.75	35.08	-96.07	-1,279.96	3,529.91	2,379.11	2,320.97	58.14	40.920	
13,700.00	12,136.69	13,958.19	12,387.79	30.63	36.15	-96.06	-1,379.95	3,530.82	2,379.12	2,318.92	60.21	39.516	
13,800.00	12,137.56	14,058.19	12,388.32	31.55	37.24	-96.05	-1,479.94	3,531.73	2,379.13	2,316.81	62.32	38.174	
13,900.00	12,138.43	14,158.19	12,388.84	32.50	38.35	-96.04	-1,579.94	3,532.64	2,379.14	2,314.65	64.49	36.892	
14,000.00	12,139.30	14,258.18	12,389.37	33.47	39.47	-96.03	-1,679.93	3,533.54	2,379.15	2,312.46	66.70	35.672	
14,100.00	12,140.17	14,358.18	12,389.89	34.47	40.60	-96.03	-1,779.93	3,534.45	2,379.16	2,310.22	68.94	34.510	
14,200.00	12,141.04	14,458.18	12,390.42	35.49	41.75	-96.02	-1,879.92	3,535.36	2,379.17	2,307.95	71.22	33.406	
14,300.00	12,141.92	14,558.18	12,390.95	36.53	42.91	-96.01	-1,979.91	3,536.27	2,379.19	2,305.65	73.53	32.356	
14,400.00	12,142.79	14,658.18	12,391.47	37.59	44.08	-96.00	-2,079.91	3,537.18	2,379.20	2,303.33	75.87	31.358	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 218H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.00	12,143.66	14,758.18	12,392.00	38.67	45.26	-95.99	-2,179.90	3,538.09	2,379.21	2,300.97	78.24	30.411	
14,600.00	12,144.53	14,858.18	12,392.52	39.77	46.45	-95.98	-2,279.90	3,539.00	2,379.22	2,298.59	80.62	29.510	
14,700.00	12,145.40	14,958.18	12,393.05	40.88	47.65	-95.97	-2,379.89	3,539.90	2,379.23	2,296.19	83.03	28.653	
14,800.00	12,146.27	15,058.18	12,393.58	42.01	48.86	-95.97	-2,479.88	3,540.81	2,379.24	2,293.78	85.46	27.839	
14,900.00	12,147.14	15,158.18	12,394.10	43.15	50.07	-95.96	-2,579.88	3,541.72	2,379.25	2,291.34	87.91	27.064	
15,000.00	12,148.02	15,258.18	12,394.63	44.31	51.30	-95.95	-2,679.87	3,542.63	2,379.26	2,288.89	90.38	26.326	
15,100.00	12,148.89	15,358.18	12,395.15	45.47	52.53	-95.94	-2,779.87	3,543.54	2,379.27	2,286.42	92.85	25.624	
15,200.00	12,149.76	15,458.18	12,395.68	46.65	53.76	-95.93	-2,879.86	3,544.45	2,379.28	2,283.94	95.35	24.954	
15,300.00	12,150.63	15,558.18	12,396.20	47.83	55.00	-95.92	-2,979.85	3,545.36	2,379.30	2,281.44	97.85	24.315	
15,400.00	12,151.50	15,658.18	12,396.73	49.03	56.25	-95.92	-3,079.85	3,546.26	2,379.31	2,278.94	100.37	23.705	
15,500.00	12,152.37	15,758.18	12,397.26	50.23	57.50	-95.91	-3,179.84	3,547.17	2,379.32	2,276.42	102.90	23.123	
15,600.00	12,153.25	15,858.18	12,397.78	51.45	58.76	-95.90	-3,279.83	3,548.08	2,379.33	2,273.89	105.44	22.566	
15,700.00	12,154.12	15,958.17	12,398.31	52.67	60.03	-95.89	-3,379.83	3,548.99	2,379.34	2,271.35	107.99	22.034	
15,800.00	12,154.99	16,058.17	12,398.83	53.89	61.29	-95.88	-3,479.82	3,549.90	2,379.35	2,268.81	110.54	21.524	
15,900.00	12,155.86	16,158.17	12,399.36	55.13	62.56	-95.87	-3,579.82	3,550.81	2,379.36	2,266.25	113.11	21.036	
16,000.00	12,156.73	16,258.17	12,399.89	56.37	63.84	-95.87	-3,679.81	3,551.71	2,379.38	2,263.69	115.68	20.568	
16,100.00	12,157.60	16,358.17	12,400.41	57.61	65.12	-95.86	-3,779.80	3,552.62	2,379.39	2,261.13	118.26	20.120	
16,200.00	12,158.48	16,458.17	12,400.94	58.86	66.40	-95.85	-3,879.80	3,553.53	2,379.40	2,258.55	120.85	19.689	
16,300.00	12,159.35	16,558.17	12,401.46	60.12	67.68	-95.84	-3,979.79	3,554.44	2,379.41	2,255.97	123.44	19.276	
16,400.00	12,160.22	16,658.17	12,401.99	61.38	68.97	-95.83	-4,079.79	3,555.35	2,379.42	2,253.38	126.04	18.878	
16,500.00	12,161.09	16,758.17	12,402.51	62.65	70.26	-95.82	-4,179.78	3,556.26	2,379.43	2,250.79	128.65	18.496	
16,600.00	12,161.96	16,858.17	12,403.04	63.92	71.56	-95.82	-4,279.77	3,557.17	2,379.45	2,248.19	131.25	18.128	
16,700.00	12,162.83	16,958.17	12,403.57	65.19	72.85	-95.81	-4,379.77	3,558.07	2,379.46	2,245.59	133.87	17.775	
16,800.00	12,163.71	17,058.17	12,404.09	66.47	74.15	-95.80	-4,479.76	3,558.98	2,379.47	2,242.98	136.49	17.434	
16,900.00	12,164.58	17,158.17	12,404.62	67.75	75.45	-95.79	-4,579.76	3,559.89	2,379.48	2,240.37	139.11	17.105	
17,000.00	12,165.45	17,258.17	12,405.14	69.04	76.76	-95.78	-4,679.75	3,560.80	2,379.49	2,237.76	141.74	16.788	
17,100.00	12,166.32	17,358.17	12,405.67	70.32	78.06	-95.77	-4,779.74	3,561.71	2,379.51	2,235.14	144.37	16.482	
17,200.00	12,167.19	17,458.17	12,406.20	71.61	79.37	-95.76	-4,879.74	3,562.62	2,379.52	2,232.51	147.01	16.187	
17,300.00	12,168.06	17,558.16	12,406.72	72.91	80.68	-95.76	-4,979.73	3,563.53	2,379.53	2,229.89	149.64	15.901	
17,400.00	12,168.94	17,658.16	12,407.25	74.21	81.99	-95.75	-5,079.72	3,564.43	2,379.54	2,227.26	152.29	15.625	
17,500.00	12,169.81	17,758.16	12,407.77	75.50	83.31	-95.74	-5,179.72	3,565.34	2,379.56	2,224.62	154.93	15.359	
17,600.00	12,170.68	17,858.16	12,408.30	76.81	84.62	-95.73	-5,279.71	3,566.25	2,379.57	2,221.99	157.58	15.101	
17,700.00	12,171.55	17,958.16	12,408.82	78.11	85.94	-95.72	-5,379.71	3,567.16	2,379.58	2,219.35	160.23	14.851	
17,800.00	12,172.42	18,058.16	12,409.35	79.42	87.26	-95.71	-5,479.70	3,568.07	2,379.59	2,216.71	162.88	14.609	
17,900.00	12,173.29	18,158.16	12,409.88	80.72	88.58	-95.71	-5,579.69	3,568.98	2,379.61	2,214.07	165.54	14.375	
18,000.00	12,174.17	18,258.16	12,410.40	82.03	89.90	-95.70	-5,679.69	3,569.88	2,379.62	2,211.42	168.20	14.148	
18,100.00	12,175.04	18,358.16	12,410.93	83.35	91.22	-95.69	-5,779.68	3,570.79	2,379.63	2,208.77	170.86	13.927	
18,200.00	12,175.91	18,458.16	12,411.45	84.66	92.55	-95.68	-5,879.68	3,571.70	2,379.64	2,206.12	173.52	13.714	
18,300.00	12,176.78	18,558.16	12,411.98	85.98	93.87	-95.67	-5,979.67	3,572.61	2,379.66	2,203.47	176.19	13.506	
18,400.00	12,177.65	18,658.16	12,412.51	87.29	95.20	-95.66	-6,079.66	3,573.52	2,379.67	2,200.81	178.85	13.305	
18,500.00	12,178.52	18,758.16	12,413.03	88.61	96.53	-95.66	-6,179.66	3,574.43	2,379.68	2,198.16	181.52	13.109	
18,600.00	12,179.39	18,858.16	12,413.56	89.93	97.86	-95.65	-6,279.65	3,575.34	2,379.70	2,195.50	184.20	12.919	
18,700.00	12,180.27	18,958.16	12,414.08	91.26	99.19	-95.64	-6,379.65	3,576.24	2,379.71	2,192.84	186.87	12.735	
18,800.00	12,181.14	19,058.16	12,414.61	92.58	100.52	-95.63	-6,479.64	3,577.15	2,379.72	2,190.18	189.54	12.555	
18,900.00	12,182.01	19,158.15	12,415.14	93.90	101.85	-95.62	-6,579.63	3,578.06	2,379.73	2,187.52	192.22	12.380	
19,000.00	12,182.88	19,258.15	12,415.66	95.23	103.18	-95.61	-6,679.63	3,578.97	2,379.75	2,184.85	194.90	12.210	
19,100.00	12,183.75	19,358.15	12,416.19	96.56	104.52	-95.61	-6,779.62	3,579.88	2,379.76	2,182.18	197.58	12.045	
19,200.00	12,184.62	19,458.15	12,416.71	97.89	105.85	-95.60	-6,879.61	3,580.79	2,379.77	2,179.52	200.26	11.884	
19,300.00	12,185.50	19,558.15	12,417.24	99.22	107.19	-95.59	-6,979.61	3,581.70	2,379.79	2,176.85	202.94	11.727	
19,400.00	12,186.37	19,658.15	12,417.76	100.55	108.52	-95.58	-7,079.60	3,582.60	2,379.80	2,174.18	205.62	11.574	
19,500.00	12,187.24	19,758.15	12,418.29	101.88	109.86	-95.57	-7,179.60	3,583.51	2,379.81	2,171.51	208.31	11.424	
19,600.00	12,188.11	19,858.15	12,418.82	103.21	111.20	-95.56	-7,279.59	3,584.42	2,379.83	2,168.83	210.99	11.279	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 218H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,700.00	12,188.98	19,958.15	12,419.34	104.54	112.54	-95.55	-7,379.58	3,585.33	2,379.84	2,166.16	213.68	11.137	
19,800.00	12,189.85	20,058.15	12,419.87	105.88	113.88	-95.55	-7,479.58	3,586.24	2,379.85	2,163.48	216.37	10.999	
19,900.00	12,190.73	20,158.15	12,420.39	107.21	115.22	-95.54	-7,579.57	3,587.15	2,379.87	2,160.81	219.06	10.864	
20,000.00	12,191.60	20,258.15	12,420.92	108.55	116.56	-95.53	-7,679.57	3,588.05	2,379.88	2,158.13	221.75	10.732	
20,100.00	12,192.47	20,358.15	12,421.45	109.89	117.90	-95.52	-7,779.56	3,588.96	2,379.90	2,155.45	224.44	10.604	
20,200.00	12,193.34	20,458.15	12,421.97	111.23	119.24	-95.51	-7,879.55	3,589.87	2,379.91	2,152.77	227.14	10.478	
20,300.00	12,194.21	20,558.15	12,422.50	112.56	120.58	-95.50	-7,979.55	3,590.78	2,379.92	2,150.09	229.83	10.355	
20,400.00	12,195.08	20,658.15	12,423.02	113.90	121.93	-95.50	-8,079.54	3,591.69	2,379.94	2,147.41	232.52	10.235	
20,500.00	12,195.96	20,758.15	12,423.55	115.24	123.27	-95.49	-8,179.54	3,592.60	2,379.95	2,144.73	235.22	10.118	
20,600.00	12,196.83	20,858.14	12,424.07	116.58	124.62	-95.48	-8,279.53	3,593.51	2,379.96	2,142.05	237.92	10.003	
20,700.00	12,197.70	20,958.14	12,424.60	117.93	125.96	-95.47	-8,379.52	3,594.41	2,379.98	2,139.36	240.61	9.891	
20,800.00	12,198.57	21,058.14	12,425.13	119.27	127.31	-95.46	-8,479.52	3,595.32	2,379.99	2,136.68	243.31	9.782	
20,900.00	12,199.44	21,158.14	12,425.65	120.61	128.65	-95.45	-8,579.51	3,596.23	2,380.01	2,134.00	246.01	9.674	
21,000.00	12,200.31	21,258.14	12,426.18	121.95	130.00	-95.45	-8,679.50	3,597.14	2,380.02	2,131.31	248.71	9.569	
21,100.00	12,201.19	21,358.14	12,426.70	123.30	131.35	-95.44	-8,779.50	3,598.05	2,380.03	2,128.62	251.41	9.467	
21,200.00	12,202.06	21,458.14	12,427.23	124.64	132.69	-95.43	-8,879.49	3,598.96	2,380.05	2,125.94	254.11	9.366	
21,300.00	12,202.93	21,558.14	12,427.76	125.99	134.04	-95.42	-8,979.49	3,599.87	2,380.06	2,123.25	256.82	9.268	
21,400.00	12,203.80	21,658.14	12,428.28	127.33	135.39	-95.41	-9,079.48	3,600.77	2,380.08	2,120.56	259.52	9.171	
21,500.00	12,204.67	21,758.14	12,428.81	128.68	136.74	-95.40	-9,179.47	3,601.68	2,380.09	2,117.87	262.22	9.077	
21,600.00	12,205.54	21,858.14	12,429.33	130.03	138.09	-95.40	-9,279.47	3,602.59	2,380.11	2,115.18	264.93	8.984	
21,700.00	12,206.41	21,958.14	12,429.86	131.37	139.44	-95.39	-9,379.46	3,603.50	2,380.12	2,112.49	267.63	8.893	
21,800.00	12,207.29	22,058.14	12,430.38	132.72	140.79	-95.38	-9,479.46	3,604.41	2,380.14	2,109.80	270.34	8.804	
21,900.00	12,208.16	22,158.14	12,430.91	134.07	142.14	-95.37	-9,579.45	3,605.32	2,380.15	2,107.11	273.04	8.717	
22,000.00	12,209.03	22,258.14	12,431.44	135.42	143.49	-95.36	-9,679.44	3,606.23	2,380.17	2,104.42	275.75	8.632	
22,100.00	12,209.90	22,358.14	12,431.96	136.77	144.84	-95.35	-9,779.44	3,607.13	2,380.18	2,101.72	278.46	8.548	
22,200.00	12,210.77	22,458.13	12,432.49	138.12	146.19	-95.35	-9,879.43	3,608.04	2,380.19	2,099.03	281.16	8.466	
22,300.00	12,211.64	22,558.13	12,433.01	139.47	147.54	-95.34	-9,979.42	3,608.95	2,380.21	2,096.34	283.87	8.385	
22,400.00	12,212.52	22,658.13	12,433.54	140.82	148.89	-95.33	-10,079.42	3,609.86	2,380.22	2,093.64	286.58	8.306	
22,500.00	12,213.39	22,758.13	12,434.07	142.17	150.24	-95.32	-10,179.41	3,610.77	2,380.24	2,090.95	289.29	8.228	
22,512.90	12,213.50	22,771.03	12,434.13	142.34	150.42	-95.32	-10,192.31	3,610.88	2,380.24	2,090.60	289.64	8.218	ES, SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	-173.21	-210.00	-25.00	211.48				
100.00	100.00	101.00	101.00	0.98	0.99	-173.21	-210.00	-25.00	211.48	209.52	1.97	107.480	
200.00	200.00	201.00	201.00	1.56	1.57	-173.21	-210.00	-25.00	211.48	208.36	3.13	67.644	
300.00	300.00	301.00	301.00	1.98	1.98	-173.21	-210.00	-25.00	211.48	207.52	3.97	53.327	CC
400.00	399.99	400.99	400.99	2.41	2.33	110.96	-210.00	-25.00	211.95	207.28	4.67	45.388	ES
500.00	499.91	500.91	500.91	2.78	2.64	111.93	-210.00	-25.00	213.38	208.10	5.29	40.370	
600.00	599.69	600.69	600.69	3.12	2.91	113.50	-210.00	-25.00	215.91	210.07	5.85	36.920	
633.33	632.91	633.91	633.91	3.15	3.00	114.15	-210.00	-25.00	217.03	211.07	5.96	36.404	
700.00	699.32	700.34	700.34	3.25	3.16	115.53	-210.00	-25.00	219.48	213.24	6.24	35.170	
800.00	798.94	803.49	803.48	3.50	3.47	117.90	-208.93	-25.90	222.59	215.83	6.76	32.915	
900.00	898.56	906.29	906.19	3.74	3.75	120.78	-205.73	-28.58	224.57	217.32	7.25	30.965	
1,000.00	998.18	1,008.57	1,008.24	3.97	4.00	124.19	-200.46	-33.01	225.74	218.03	7.71	29.297	
1,100.00	1,097.80	1,108.21	1,107.50	4.20	4.13	127.88	-193.87	-38.54	226.82	218.77	8.06	28.155	
1,200.00	1,197.42	1,207.11	1,206.03	4.42	4.33	131.52	-187.26	-44.08	228.82	220.33	8.48	26.968	
1,300.00	1,297.04	1,306.02	1,304.56	4.64	4.53	135.08	-180.66	-49.62	231.73	222.83	8.90	26.024	
1,400.00	1,396.66	1,404.92	1,403.09	4.86	4.73	138.55	-174.06	-55.16	235.54	226.22	9.32	25.281	
1,500.00	1,496.28	1,503.83	1,501.62	5.07	4.93	141.89	-167.45	-60.70	240.20	230.47	9.72	24.706	
1,600.00	1,595.90	1,602.73	1,600.14	5.28	5.13	145.10	-160.85	-66.24	245.65	235.53	10.12	24.269	
1,700.00	1,695.52	1,701.64	1,698.67	5.48	5.32	148.16	-154.25	-71.78	251.85	241.34	10.52	23.950	
1,800.00	1,795.14	1,800.55	1,797.20	5.69	5.51	151.07	-147.64	-77.32	258.75	247.84	10.91	23.727	
1,900.00	1,894.76	1,899.45	1,895.73	5.89	5.70	153.82	-141.04	-82.87	266.28	254.99	11.29	23.586	
2,000.00	1,994.38	1,998.36	1,994.26	6.09	5.89	156.42	-134.44	-88.41	274.40	262.73	11.67	23.512	
2,100.00	2,094.00	2,097.26	2,092.79	6.29	6.08	158.87	-127.83	-93.95	283.06	271.01	12.05	23.495	
2,200.00	2,193.62	2,196.17	2,191.32	6.50	6.28	161.17	-121.23	-99.49	292.21	279.77	12.44	23.486	
2,206.41	2,200.00	2,202.51	2,197.63	6.52	6.29	161.31	-120.81	-99.84	292.81	280.34	12.47	23.487	
2,300.00	2,293.13	2,290.64	2,285.36	6.72	6.47	163.39	-114.58	-105.68	303.53	290.72	12.81	23.692	
2,400.00	2,392.34	2,383.44	2,377.50	6.95	6.66	165.83	-107.26	-113.87	319.42	306.21	13.21	24.185	
2,500.00	2,491.20	2,474.64	2,467.79	7.18	6.86	168.36	-99.29	-123.96	340.06	326.45	13.61	24.993	
2,600.00	2,589.63	2,563.98	2,555.93	7.41	7.06	170.88	-90.75	-135.79	365.56	351.55	14.00	26.105	
2,700.00	2,687.57	2,651.21	2,641.63	7.65	7.24	173.30	-81.72	-149.21	395.92	381.52	14.39	27.506	
2,800.00	2,784.94	2,739.55	2,728.10	7.88	7.42	175.63	-71.95	-164.45	430.90	416.11	14.79	29.134	
2,873.30	2,855.92	2,806.35	2,793.44	8.02	7.56	177.22	-64.49	-176.17	458.68	443.61	15.07	30.440	
2,900.00	2,881.71	2,830.59	2,817.15	8.06	7.60	177.77	-61.79	-180.42	469.10	453.94	15.16	30.946	
3,000.00	2,978.30	2,921.35	2,905.93	8.28	7.78	179.61	-51.66	-196.34	508.45	492.90	15.55	32.699	
3,100.00	3,074.89	3,012.11	2,994.71	8.49	7.97	-178.81	-41.53	-212.26	548.18	532.24	15.94	34.388	
3,200.00	3,171.49	3,102.87	3,083.49	8.71	8.15	-177.43	-31.40	-228.19	588.23	571.90	16.33	36.013	
3,300.00	3,268.08	3,193.64	3,172.27	8.93	8.34	-176.23	-21.27	-244.11	628.53	611.80	16.73	37.573	
3,400.00	3,364.67	3,284.40	3,261.04	9.16	8.53	-175.18	-11.14	-260.03	669.03	651.91	17.12	39.069	
3,500.00	3,461.26	3,375.16	3,349.82	9.42	8.72	-174.24	-1.00	-275.95	709.71	692.19	17.52	40.503	
3,600.00	3,557.85	3,465.92	3,438.60	9.70	8.92	-173.40	9.13	-291.87	750.53	732.61	17.92	41.878	
3,700.00	3,654.44	3,556.69	3,527.38	10.00	9.12	-172.65	19.26	-307.79	791.47	773.15	18.32	43.195	
3,800.00	3,751.03	3,647.45	3,616.16	10.30	9.33	-171.97	29.39	-323.71	832.52	813.79	18.73	44.457	
3,900.00	3,847.62	3,738.21	3,704.94	10.61	9.54	-171.36	39.52	-339.63	873.65	854.52	19.13	45.666	
4,000.00	3,944.21	3,828.98	3,793.72	10.93	9.75	-170.80	49.65	-355.56	914.86	895.32	19.54	46.825	
4,100.00	4,040.80	3,919.74	3,882.50	11.25	9.97	-170.28	59.78	-371.48	956.14	936.19	19.95	47.936	
4,200.00	4,137.40	4,010.50	3,971.28	11.57	10.19	-169.81	69.91	-387.40	997.47	977.12	20.36	49.003	
4,300.00	4,233.99	4,101.26	4,060.06	11.89	10.41	-169.38	80.04	-403.32	1,038.86	1,018.09	20.77	50.026	
4,400.00	4,330.58	4,192.03	4,148.84	12.21	10.64	-168.98	90.17	-419.24	1,080.29	1,059.11	21.18	51.007	
4,500.00	4,427.17	4,282.79	4,237.62	12.54	10.86	-168.61	100.30	-435.16	1,121.76	1,100.17	21.59	51.950	
4,600.00	4,523.76	4,373.55	4,326.39	12.87	11.10	-168.27	110.43	-451.08	1,163.27	1,141.26	22.01	52.855	
4,700.00	4,620.35	4,464.31	4,415.17	13.20	11.33	-167.95	120.56	-467.00	1,204.81	1,182.39	22.43	53.726	
4,800.00	4,716.94	4,555.08	4,503.95	13.53	11.56	-167.65	130.69	-482.92	1,246.39	1,223.54	22.84	54.563	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,813.53	4,645.84	4,592.73	13.86	11.80	-167.37	140.82	-498.85	1,287.98	1,264.72	23.26	55.368	
5,000.00	4,910.12	4,736.60	4,681.51	14.19	12.03	-167.11	150.95	-514.77	1,329.60	1,305.92	23.68	56.143	
5,100.00	5,006.72	4,827.36	4,770.29	14.53	12.27	-166.86	161.09	-530.69	1,371.25	1,347.14	24.10	56.889	
5,200.00	5,103.31	4,918.13	4,859.07	14.86	12.51	-166.63	171.22	-546.61	1,412.91	1,388.38	24.53	57.607	
5,300.00	5,199.90	5,008.89	4,947.85	15.20	12.75	-166.41	181.35	-562.53	1,454.59	1,429.64	24.95	58.300	
5,400.00	5,296.49	5,099.65	5,036.63	15.53	12.99	-166.20	191.48	-578.45	1,496.29	1,470.91	25.37	58.968	
5,500.00	5,393.08	5,190.41	5,125.41	15.87	13.23	-166.01	201.61	-594.37	1,538.00	1,512.20	25.80	59.612	
5,600.00	5,489.67	5,281.18	5,214.19	16.21	13.47	-165.82	211.74	-610.29	1,579.73	1,553.50	26.23	60.233	
5,700.00	5,586.26	5,371.94	5,302.97	16.55	13.71	-165.65	221.87	-626.22	1,621.47	1,594.81	26.65	60.833	
5,800.00	5,682.85	5,492.98	5,421.54	16.89	14.02	-165.44	234.91	-646.71	1,662.75	1,635.54	27.21	61.113	
5,900.00	5,779.44	5,639.86	5,566.32	17.23	14.36	-165.31	248.15	-667.51	1,701.36	1,673.50	27.86	61.071	
5,915.24	5,794.17	5,662.61	5,588.83	17.27	14.41	-165.30	249.93	-670.32	1,706.98	1,679.03	27.95	61.073	
6,000.00	5,876.27	5,791.23	5,716.42	17.54	14.66	-165.39	258.65	-684.02	1,736.05	1,707.58	28.47	60.976	
6,100.00	5,973.71	5,947.42	5,871.97	17.85	14.90	-165.56	266.13	-695.78	1,765.15	1,736.09	29.06	60.751	
6,200.00	6,071.71	6,107.61	6,031.97	18.12	15.10	-165.77	270.25	-702.26	1,788.42	1,758.84	29.59	60.446	
6,300.00	6,170.19	6,246.85	6,171.19	18.37	15.21	-166.00	271.00	-703.43	1,805.96	1,775.99	29.97	60.257	
6,400.00	6,269.10	6,345.75	6,270.10	18.59	15.27	-166.17	271.00	-703.43	1,820.29	1,790.04	30.25	60.183	
6,500.00	6,368.35	6,445.01	6,369.35	18.78	15.34	-166.30	271.00	-703.43	1,832.10	1,801.58	30.52	60.036	
6,600.00	6,467.89	6,544.55	6,468.89	18.94	15.41	-166.40	271.00	-703.43	1,841.38	1,810.61	30.78	59.828	
6,700.00	6,567.65	6,644.30	6,568.65	19.07	15.48	-166.48	271.00	-703.43	1,848.13	1,817.11	31.03	59.565	
6,800.00	6,667.55	6,744.21	6,668.55	19.18	15.55	-166.52	271.00	-703.43	1,852.35	1,821.08	31.26	59.251	
6,900.00	6,767.53	6,844.19	6,768.53	19.26	15.62	-166.54	271.00	-703.43	1,854.01	1,822.54	31.47	58.909	
6,915.47	6,783.00	6,859.66	6,784.00	19.26	15.63	-90.39	271.00	-703.43	1,854.04	1,822.55	31.49	58.878	
7,000.00	6,867.53	6,944.19	6,868.53	19.30	15.69	-90.39	271.00	-703.43	1,854.04	1,822.46	31.58	58.705	
7,100.00	6,967.53	7,044.19	6,968.53	19.35	15.76	-90.39	271.00	-703.43	1,854.04	1,822.34	31.70	58.484	
7,200.00	7,067.53	7,144.19	7,068.53	19.40	15.83	-90.39	271.00	-703.43	1,854.04	1,822.22	31.82	58.264	
7,300.00	7,167.53	7,244.19	7,168.53	19.45	15.90	-90.39	271.00	-703.43	1,854.04	1,822.10	31.94	58.045	
7,400.00	7,267.53	7,344.19	7,268.53	19.50	15.97	-90.39	271.00	-703.43	1,854.04	1,821.98	32.06	57.827	
7,500.00	7,367.53	7,444.19	7,368.53	19.55	16.05	-90.39	271.00	-703.43	1,854.04	1,821.86	32.18	57.610	
7,600.00	7,467.53	7,544.19	7,468.53	19.60	16.12	-90.39	271.00	-703.43	1,854.04	1,821.74	32.30	57.394	
7,700.00	7,567.53	7,644.19	7,568.53	19.65	16.19	-90.39	271.00	-703.43	1,854.04	1,821.62	32.43	57.179	
7,800.00	7,667.53	7,744.19	7,668.53	19.71	16.26	-90.39	271.00	-703.43	1,854.04	1,821.50	32.55	56.965	
7,900.00	7,767.53	7,844.19	7,768.53	19.76	16.33	-90.39	271.00	-703.43	1,854.04	1,821.37	32.67	56.752	
8,000.00	7,867.53	7,944.19	7,868.53	19.81	16.40	-90.39	271.00	-703.43	1,854.04	1,821.25	32.79	56.540	
8,100.00	7,967.53	8,044.19	7,968.53	19.86	16.47	-90.39	271.00	-703.43	1,854.04	1,821.13	32.91	56.329	
8,200.00	8,067.53	8,144.19	8,068.53	19.92	16.54	-90.39	271.00	-703.43	1,854.04	1,821.01	33.04	56.119	
8,300.00	8,167.53	8,244.19	8,168.53	19.97	16.62	-90.39	271.00	-703.43	1,854.04	1,820.88	33.16	55.910	
8,400.00	8,267.53	8,344.19	8,268.53	20.02	16.69	-90.39	271.00	-703.43	1,854.04	1,820.76	33.29	55.702	
8,500.00	8,367.53	8,444.19	8,368.53	20.08	16.76	-90.39	271.00	-703.43	1,854.04	1,820.63	33.41	55.495	
8,600.00	8,467.53	8,544.19	8,468.53	20.13	16.83	-90.39	271.00	-703.43	1,854.04	1,820.51	33.53	55.289	
8,700.00	8,567.53	8,644.19	8,568.53	20.18	16.90	-90.39	271.00	-703.43	1,854.04	1,820.38	33.66	55.084	
8,800.00	8,667.53	8,744.19	8,668.53	20.24	16.97	-90.39	271.00	-703.43	1,854.04	1,820.26	33.78	54.880	
8,900.00	8,767.53	8,844.19	8,768.53	20.29	17.05	-90.39	271.00	-703.43	1,854.04	1,820.13	33.91	54.677	
9,000.00	8,867.53	8,944.19	8,868.53	20.35	17.12	-90.39	271.00	-703.43	1,854.04	1,820.01	34.04	54.474	
9,100.00	8,967.53	9,044.19	8,968.53	20.40	17.19	-90.39	271.00	-703.43	1,854.04	1,819.88	34.16	54.273	
9,200.00	9,067.53	9,144.19	9,068.53	20.45	17.26	-90.39	271.00	-703.43	1,854.04	1,819.76	34.29	54.073	
9,300.00	9,167.53	9,244.19	9,168.53	20.51	17.34	-90.39	271.00	-703.43	1,854.04	1,819.63	34.41	53.874	
9,400.00	9,267.53	9,344.19	9,268.53	20.56	17.41	-90.39	271.00	-703.43	1,854.04	1,819.50	34.54	53.676	
9,500.00	9,367.53	9,444.19	9,368.53	20.62	17.48	-90.39	271.00	-703.43	1,854.04	1,819.37	34.67	53.479	
9,600.00	9,467.53	9,544.19	9,468.53	20.68	17.55	-90.39	271.00	-703.43	1,854.04	1,819.25	34.80	53.283	
9,700.00	9,567.53	9,644.19	9,568.53	20.73	17.63	-90.39	271.00	-703.43	1,854.04	1,819.12	34.92	53.088	
9,800.00	9,667.53	9,744.19	9,668.53	20.79	17.70	-90.39	271.00	-703.43	1,854.04	1,818.99	35.05	52.894	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,767.53	9,844.19	9,768.53	20.84	17.77	-90.39	271.00	-703.43	1,854.04	1,818.86	35.18	52.701	
10,000.00	9,867.53	9,944.19	9,868.53	20.90	17.85	-90.39	271.00	-703.43	1,854.04	1,818.73	35.31	52.509	
10,100.00	9,967.53	10,044.19	9,968.53	20.95	17.92	-90.39	271.00	-703.43	1,854.04	1,818.61	35.44	52.318	
10,200.00	10,067.53	10,144.19	10,068.53	21.01	17.99	-90.39	271.00	-703.43	1,854.04	1,818.48	35.57	52.128	
10,300.00	10,167.53	10,244.19	10,168.53	21.07	18.07	-90.39	271.00	-703.43	1,854.04	1,818.35	35.70	51.939	
10,400.00	10,267.53	10,344.19	10,268.53	21.12	18.14	-90.39	271.00	-703.43	1,854.04	1,818.22	35.83	51.751	
10,500.00	10,367.53	10,444.19	10,368.53	21.18	18.21	-90.39	271.00	-703.43	1,854.04	1,818.09	35.96	51.564	
10,600.00	10,467.53	10,544.19	10,468.53	21.24	18.29	-90.39	271.00	-703.43	1,854.04	1,817.96	36.09	51.378	
10,700.00	10,567.53	10,644.19	10,568.53	21.30	18.36	-90.39	271.00	-703.43	1,854.04	1,817.83	36.22	51.192	
10,800.00	10,667.53	10,744.19	10,668.53	21.35	18.43	-90.39	271.00	-703.43	1,854.04	1,817.70	36.35	51.008	
10,900.00	10,767.53	10,844.19	10,768.53	21.41	18.51	-90.39	271.00	-703.43	1,854.04	1,817.56	36.48	50.825	
11,000.00	10,867.53	10,944.19	10,868.53	21.47	18.58	-90.39	271.00	-703.43	1,854.04	1,817.43	36.61	50.643	
11,100.00	10,967.53	11,044.19	10,968.53	21.53	18.65	-90.39	271.00	-703.43	1,854.04	1,817.30	36.74	50.461	
11,200.00	11,067.53	11,144.19	11,068.53	21.58	18.73	-90.39	271.00	-703.43	1,854.04	1,817.17	36.87	50.281	
11,300.00	11,167.53	11,244.19	11,168.53	21.64	18.80	-90.39	271.00	-703.43	1,854.04	1,817.04	37.01	50.102	
11,400.00	11,267.53	11,344.19	11,268.53	21.70	18.88	-90.39	271.00	-703.43	1,854.04	1,816.91	37.14	49.923	
11,500.00	11,367.53	11,444.19	11,368.53	21.76	18.95	-90.39	271.00	-703.43	1,854.04	1,816.77	37.27	49.746	
11,600.00	11,467.53	11,544.19	11,468.53	21.82	19.02	-90.39	271.00	-703.43	1,854.04	1,816.64	37.40	49.569	
11,686.47	11,554.00	11,630.66	11,555.00	21.86	19.09	-90.39	271.00	-703.43	1,854.04	1,816.53	37.51	49.426	
11,700.00	11,567.53	11,644.19	11,568.53	21.86	19.10	90.11	271.00	-703.43	1,854.04	1,816.52	37.52	49.412	
11,750.00	11,617.40	11,694.06	11,618.40	21.90	19.13	90.21	271.00	-703.43	1,854.05	1,816.51	37.55	49.380	
11,800.00	11,666.79	11,743.45	11,667.79	21.93	19.17	90.44	271.00	-703.43	1,854.10	1,816.54	37.56	49.363	
11,850.00	11,715.32	11,791.98	11,716.32	21.95	19.21	90.79	271.00	-703.43	1,854.23	1,816.67	37.56	49.361	
11,900.00	11,762.62	11,839.28	11,763.62	21.97	19.24	91.23	271.00	-703.43	1,854.53	1,816.97	37.56	49.377	
11,950.00	11,808.34	11,885.00	11,809.34	21.99	19.28	91.74	271.00	-703.43	1,855.11	1,817.56	37.54	49.412	
12,000.00	11,852.12	11,928.77	11,853.12	22.01	19.31	92.30	271.00	-703.43	1,856.08	1,818.56	37.52	49.468	
12,050.00	11,893.63	11,970.28	11,894.63	22.03	19.34	92.86	271.00	-703.43	1,857.59	1,820.10	37.49	49.548	
12,100.00	11,932.55	12,009.21	11,933.55	22.05	19.37	93.39	271.00	-703.43	1,859.80	1,822.34	37.46	49.653	
12,150.00	11,968.60	12,045.25	11,969.60	22.09	19.40	93.85	271.00	-703.43	1,862.84	1,825.42	37.42	49.787	
12,200.00	12,001.49	12,078.14	12,002.49	22.13	19.42	94.21	271.00	-703.43	1,866.87	1,829.50	37.37	49.951	
12,250.00	12,030.97	12,107.63	12,031.97	22.19	19.44	94.42	271.00	-703.43	1,872.02	1,834.69	37.33	50.148	
12,300.00	12,056.82	12,133.48	12,057.82	22.26	19.46	94.46	271.00	-703.43	1,878.41	1,841.13	37.28	50.381	
12,350.00	12,078.85	12,155.51	12,079.85	22.35	19.48	94.29	271.00	-703.43	1,886.14	1,848.90	37.24	50.649	
12,400.00	12,096.88	12,173.54	12,097.88	22.47	19.49	93.88	271.00	-703.43	1,895.26	1,858.06	37.19	50.956	
12,450.00	12,110.78	12,187.44	12,111.78	22.60	19.50	93.21	271.00	-703.43	1,905.80	1,868.65	37.15	51.300	
12,500.00	12,120.45	12,197.10	12,121.45	22.75	19.51	92.28	271.00	-703.43	1,917.74	1,880.63	37.11	51.683	
12,550.00	12,125.80	12,202.45	12,126.80	22.93	19.51	91.06	271.00	-703.43	1,931.04	1,893.98	37.06	52.102	
12,581.47	12,126.94	12,203.59	12,127.94	23.05	19.51	90.15	271.00	-703.43	1,940.07	1,903.03	37.03	52.385	
12,600.00	12,127.10	12,203.75	12,128.10	23.12	19.51	90.16	271.00	-703.43	1,945.60	1,908.59	37.02	52.558	
12,700.00	12,127.97	12,204.63	12,128.97	23.56	19.51	90.19	271.00	-703.43	1,978.22	1,941.26	36.96	53.525	
12,800.00	12,128.84	12,205.50	12,129.84	24.06	19.52	90.21	271.00	-703.43	2,015.27	1,978.35	36.92	54.583	
12,900.00	12,129.71	12,206.37	12,130.71	24.61	19.52	90.24	271.00	-703.43	2,056.52	2,019.61	36.90	55.725	
13,000.00	12,130.58	13,671.79	12,858.61	25.21	21.95	110.65	-713.03	-769.92	2,061.47	2,018.21	43.26	47.648	
13,100.00	12,131.46	13,771.79	12,859.49	25.87	22.44	110.65	-813.02	-769.06	2,061.47	2,017.14	44.33	46.501	
13,200.00	12,132.33	13,871.79	12,860.37	26.56	22.99	110.65	-913.02	-768.20	2,061.48	2,015.96	45.52	45.286	
13,300.00	12,133.20	13,971.79	12,861.24	27.30	23.59	110.65	-1,013.01	-767.34	2,061.48	2,014.66	46.82	44.026	
13,400.00	12,134.07	14,071.79	12,862.12	28.08	24.25	110.65	-1,113.00	-766.48	2,061.48	2,013.25	48.23	42.742	
13,500.00	12,134.94	14,171.79	12,863.00	28.90	24.97	110.65	-1,212.99	-765.62	2,061.49	2,011.75	49.73	41.452	
13,600.00	12,135.81	14,271.79	12,863.88	29.75	25.74	110.65	-1,312.99	-764.76	2,061.49	2,010.17	51.32	40.169	
13,700.00	12,136.69	14,371.79	12,864.76	30.63	26.56	110.65	-1,412.98	-763.90	2,061.49	2,008.50	52.99	38.905	
13,800.00	12,137.56	14,471.79	12,865.63	31.55	27.42	110.65	-1,512.97	-763.04	2,061.50	2,006.77	54.73	37.669	
13,900.00	12,138.43	14,571.79	12,866.51	32.50	28.33	110.65	-1,612.96	-762.18	2,061.50	2,004.97	56.53	36.467	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,139.30	14,671.79	12,867.39	33.47	29.27	110.65	-1,712.96	-761.32	2,061.50	2,003.11	58.39	35.303	
14,100.00	12,140.17	14,771.79	12,868.27	34.47	30.24	110.65	-1,812.95	-760.46	2,061.50	2,001.19	60.31	34.181	
14,200.00	12,141.04	14,871.79	12,869.15	35.49	31.25	110.65	-1,912.94	-759.60	2,061.51	1,999.23	62.28	33.102	
14,300.00	12,141.92	14,971.79	12,870.02	36.53	32.28	110.65	-2,012.93	-758.74	2,061.51	1,997.22	64.29	32.067	
14,400.00	12,142.79	15,071.79	12,870.90	37.59	33.34	110.65	-2,112.93	-757.88	2,061.51	1,995.18	66.34	31.076	
14,500.00	12,143.66	15,171.79	12,871.78	38.67	34.43	110.65	-2,212.92	-757.01	2,061.52	1,993.09	68.42	30.129	
14,600.00	12,144.53	15,271.79	12,872.66	39.77	35.53	110.65	-2,312.91	-756.15	2,061.52	1,990.98	70.54	29.223	
14,700.00	12,145.40	15,371.79	12,873.53	40.88	36.65	110.65	-2,412.90	-755.29	2,061.52	1,988.83	72.69	28.359	
14,800.00	12,146.27	15,471.79	12,874.41	42.01	37.79	110.65	-2,512.90	-754.43	2,061.53	1,986.66	74.87	27.534	
14,900.00	12,147.14	15,571.79	12,875.29	43.15	38.95	110.65	-2,612.89	-753.57	2,061.53	1,984.46	77.07	26.748	
15,000.00	12,148.02	15,671.79	12,876.17	44.31	40.11	110.65	-2,712.88	-752.71	2,061.53	1,982.23	79.30	25.997	
15,100.00	12,148.89	15,771.79	12,877.05	45.47	41.30	110.65	-2,812.87	-751.85	2,061.54	1,979.99	81.55	25.280	
15,200.00	12,149.76	15,871.79	12,877.92	46.65	42.49	110.66	-2,912.87	-750.99	2,061.54	1,977.73	83.81	24.597	
15,300.00	12,150.63	15,971.79	12,878.80	47.83	43.69	110.66	-3,012.86	-750.13	2,061.54	1,975.44	86.10	23.944	
15,400.00	12,151.50	16,071.79	12,879.68	49.03	44.91	110.66	-3,112.85	-749.27	2,061.54	1,973.15	88.40	23.321	
15,500.00	12,152.37	16,171.79	12,880.56	50.23	46.13	110.66	-3,212.84	-748.41	2,061.55	1,970.83	90.72	22.725	
15,600.00	12,153.25	16,271.79	12,881.44	51.45	47.36	110.66	-3,312.84	-747.55	2,061.55	1,968.50	93.05	22.156	
15,700.00	12,154.12	16,371.79	12,882.31	52.67	48.60	110.66	-3,412.83	-746.69	2,061.55	1,966.16	95.39	21.612	
15,800.00	12,154.99	16,471.79	12,883.19	53.89	49.85	110.66	-3,512.82	-745.83	2,061.56	1,963.81	97.75	21.091	
15,900.00	12,155.86	16,571.79	12,884.07	55.13	51.10	110.66	-3,612.81	-744.97	2,061.56	1,961.45	100.11	20.592	
16,000.00	12,156.73	16,671.79	12,884.95	56.37	52.36	110.66	-3,712.81	-744.11	2,061.56	1,959.07	102.49	20.114	
16,100.00	12,157.60	16,771.79	12,885.82	57.61	53.62	110.66	-3,812.80	-743.25	2,061.57	1,956.69	104.88	19.656	
16,200.00	12,158.48	16,871.79	12,886.70	58.86	54.89	110.66	-3,912.79	-742.39	2,061.57	1,954.29	107.28	19.217	
16,300.00	12,159.35	16,971.79	12,887.58	60.12	56.17	110.66	-4,012.78	-741.53	2,061.57	1,951.89	109.68	18.796	
16,400.00	12,160.22	17,071.79	12,888.46	61.38	57.45	110.66	-4,112.78	-740.67	2,061.58	1,949.48	112.10	18.391	
16,500.00	12,161.09	17,171.79	12,889.34	62.65	58.73	110.66	-4,212.77	-739.81	2,061.58	1,947.06	114.52	18.003	
16,600.00	12,161.96	17,271.79	12,890.21	63.92	60.02	110.66	-4,312.76	-738.95	2,061.58	1,944.64	116.94	17.629	
16,700.00	12,162.83	17,371.79	12,891.09	65.19	61.31	110.66	-4,412.75	-738.09	2,061.58	1,942.21	119.38	17.269	
16,800.00	12,163.71	17,471.79	12,891.97	66.47	62.60	110.66	-4,512.75	-737.23	2,061.59	1,939.77	121.82	16.923	
16,900.00	12,164.58	17,571.79	12,892.85	67.75	63.90	110.66	-4,612.74	-736.37	2,061.59	1,937.33	124.26	16.590	
17,000.00	12,165.45	17,671.79	12,893.73	69.04	65.20	110.66	-4,712.73	-735.51	2,061.59	1,934.88	126.72	16.269	
17,100.00	12,166.32	17,771.79	12,894.60	70.32	66.50	110.66	-4,812.72	-734.65	2,061.60	1,932.42	129.17	15.960	
17,200.00	12,167.19	17,871.79	12,895.48	71.61	67.81	110.66	-4,912.72	-733.79	2,061.60	1,929.96	131.64	15.661	
17,300.00	12,168.06	17,971.79	12,896.36	72.91	69.12	110.66	-5,012.71	-732.92	2,061.60	1,927.50	134.10	15.373	
17,400.00	12,168.94	18,071.79	12,897.24	74.21	70.43	110.66	-5,112.70	-732.06	2,061.61	1,925.03	136.57	15.095	
17,500.00	12,169.81	18,171.79	12,898.12	75.50	71.74	110.66	-5,212.69	-731.20	2,061.61	1,922.56	139.05	14.827	
17,600.00	12,170.68	18,271.79	12,898.99	76.81	73.06	110.66	-5,312.69	-730.34	2,061.61	1,920.09	141.53	14.567	
17,700.00	12,171.55	18,371.79	12,899.87	78.11	74.37	110.66	-5,412.68	-729.48	2,061.62	1,917.61	144.01	14.316	
17,800.00	12,172.42	18,471.79	12,900.75	79.42	75.69	110.66	-5,512.67	-728.62	2,061.62	1,915.12	146.49	14.073	
17,900.00	12,173.29	18,571.79	12,901.63	80.72	77.02	110.66	-5,612.66	-727.76	2,061.62	1,912.64	148.98	13.838	
18,000.00	12,174.17	18,671.79	12,902.50	82.03	78.34	110.66	-5,712.65	-726.90	2,061.63	1,910.15	151.48	13.610	
18,100.00	12,175.04	18,771.79	12,903.38	83.35	79.66	110.66	-5,812.65	-726.04	2,061.63	1,907.66	153.97	13.390	
18,200.00	12,175.91	18,871.79	12,904.26	84.66	80.99	110.66	-5,912.64	-725.18	2,061.63	1,905.16	156.47	13.176	
18,300.00	12,176.78	18,971.79	12,905.14	85.98	82.32	110.66	-6,012.63	-724.32	2,061.63	1,902.66	158.97	12.969	
18,400.00	12,177.65	19,071.79	12,906.02	87.29	83.64	110.66	-6,112.62	-723.46	2,061.64	1,900.16	161.48	12.767	
18,500.00	12,178.52	19,171.79	12,906.89	88.61	84.97	110.66	-6,212.62	-722.60	2,061.64	1,897.66	163.98	12.572	
18,600.00	12,179.39	19,271.79	12,907.77	89.93	86.31	110.66	-6,312.61	-721.74	2,061.64	1,895.15	166.49	12.383	
18,700.00	12,180.27	19,371.79	12,908.65	91.26	87.64	110.66	-6,412.60	-720.88	2,061.65	1,892.65	169.00	12.199	
18,800.00	12,181.14	19,471.79	12,909.53	92.58	88.97	110.66	-6,512.59	-720.02	2,061.65	1,890.14	171.51	12.020	
18,900.00	12,182.01	19,571.79	12,910.41	93.90	90.31	110.66	-6,612.59	-719.16	2,061.65	1,887.62	174.03	11.847	
19,000.00	12,182.88	19,671.79	12,911.28	95.23	91.64	110.66	-6,712.58	-718.30	2,061.66	1,885.11	176.55	11.678	
19,100.00	12,183.75	19,771.79	12,912.16	96.56	92.98	110.66	-6,812.57	-717.44	2,061.66	1,882.59	179.07	11.513	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	12,184.62	19,871.79	12,913.04	97.89	94.32	110.66	-6,912.56	-716.58	2,061.66	1,880.08	181.59	11.354	
19,300.00	12,185.50	19,971.79	12,913.92	99.22	95.66	110.66	-7,012.56	-715.72	2,061.67	1,877.56	184.11	11.198	
19,400.00	12,186.37	20,071.79	12,914.80	100.55	97.00	110.66	-7,112.55	-714.86	2,061.67	1,875.04	186.63	11.047	
19,500.00	12,187.24	20,171.79	12,915.67	101.88	98.34	110.66	-7,212.54	-714.00	2,061.67	1,872.51	189.16	10.899	
19,600.00	12,188.11	20,271.79	12,916.55	103.21	99.68	110.66	-7,312.53	-713.14	2,061.67	1,869.99	191.69	10.755	
19,700.00	12,188.98	20,371.79	12,917.43	104.54	101.02	110.66	-7,412.53	-712.28	2,061.68	1,867.46	194.22	10.615	
19,800.00	12,189.85	20,471.79	12,918.31	105.88	102.36	110.66	-7,512.52	-711.42	2,061.68	1,864.94	196.75	10.479	
19,900.00	12,190.73	20,571.79	12,919.18	107.21	103.71	110.66	-7,612.51	-710.56	2,061.68	1,862.41	199.28	10.346	
20,000.00	12,191.60	20,671.79	12,920.06	108.55	105.05	110.66	-7,712.50	-709.70	2,061.69	1,859.88	201.81	10.216	
20,100.00	12,192.47	20,771.79	12,920.94	109.89	106.40	110.66	-7,812.50	-708.84	2,061.69	1,857.35	204.34	10.089	
20,200.00	12,193.34	20,871.79	12,921.82	111.23	107.74	110.66	-7,912.49	-707.97	2,061.69	1,854.81	206.88	9.966	
20,300.00	12,194.21	20,971.79	12,922.70	112.56	109.09	110.66	-8,012.48	-707.11	2,061.70	1,852.28	209.42	9.845	
20,400.00	12,195.08	21,071.79	12,923.57	113.90	110.43	110.66	-8,112.47	-706.25	2,061.70	1,849.74	211.95	9.727	
20,500.00	12,195.96	21,171.79	12,924.45	115.24	111.78	110.66	-8,212.47	-705.39	2,061.70	1,847.21	214.49	9.612	
20,600.00	12,196.83	21,271.79	12,925.33	116.58	113.13	110.66	-8,312.46	-704.53	2,061.71	1,844.67	217.03	9.500	
20,700.00	12,197.70	21,371.79	12,926.21	117.93	114.48	110.66	-8,412.45	-703.67	2,061.71	1,842.13	219.57	9.390	
20,800.00	12,198.57	21,471.79	12,927.09	119.27	115.83	110.66	-8,512.44	-702.81	2,061.71	1,839.60	222.12	9.282	
20,900.00	12,199.44	21,571.79	12,927.96	120.61	117.18	110.66	-8,612.44	-701.95	2,061.71	1,837.06	224.66	9.177	
21,000.00	12,200.31	21,671.79	12,928.84	121.95	118.53	110.66	-8,712.43	-701.09	2,061.72	1,834.52	227.20	9.074	
21,100.00	12,201.19	21,771.79	12,929.72	123.30	119.88	110.66	-8,812.42	-700.23	2,061.72	1,831.97	229.75	8.974	
21,200.00	12,202.06	21,871.79	12,930.60	124.64	121.23	110.66	-8,912.41	-699.37	2,061.72	1,829.43	232.29	8.876	
21,300.00	12,202.93	21,971.79	12,931.48	125.99	122.58	110.66	-9,012.41	-698.51	2,061.73	1,826.89	234.84	8.779	
21,400.00	12,203.80	22,071.79	12,932.35	127.33	123.93	110.66	-9,112.40	-697.65	2,061.73	1,824.34	237.39	8.685	
21,500.00	12,204.67	22,171.79	12,933.23	128.68	125.28	110.66	-9,212.39	-696.79	2,061.73	1,821.80	239.93	8.593	
21,600.00	12,205.54	22,271.79	12,934.11	130.03	126.63	110.67	-9,312.38	-695.93	2,061.74	1,819.25	242.48	8.503	
21,700.00	12,206.41	22,371.79	12,934.99	131.37	127.99	110.67	-9,412.38	-695.07	2,061.74	1,816.71	245.03	8.414	
21,800.00	12,207.29	22,471.79	12,935.86	132.72	129.34	110.67	-9,512.37	-694.21	2,061.74	1,814.16	247.58	8.327	
21,900.00	12,208.16	22,571.79	12,936.74	134.07	130.69	110.67	-9,612.36	-693.35	2,061.75	1,811.61	250.13	8.243	
22,000.00	12,209.03	22,671.79	12,937.62	135.42	132.05	110.67	-9,712.35	-692.49	2,061.75	1,809.06	252.69	8.159	
22,100.00	12,209.90	22,771.79	12,938.50	136.77	133.40	110.67	-9,812.35	-691.63	2,061.75	1,806.51	255.24	8.078	
22,200.00	12,210.77	22,871.79	12,939.38	138.12	134.76	110.67	-9,912.34	-690.77	2,061.75	1,803.96	257.79	7.998	
22,300.00	12,211.64	22,971.79	12,940.25	139.47	136.11	110.67	-10,012.33	-689.91	2,061.76	1,801.41	260.34	7.919	
22,400.00	12,212.52	23,071.79	12,941.13	140.82	137.47	110.67	-10,112.32	-689.05	2,061.76	1,798.86	262.90	7.842	
22,500.00	12,213.39	23,171.79	12,942.01	142.17	138.73	110.67	-10,212.31	-688.19	2,061.76	1,796.42	265.35	7.770	
22,512.90	12,213.50	23,184.69	12,942.12	142.34	138.89	110.67	-10,225.21	-688.08	2,061.76	1,796.11	265.66	7.761	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	-135.00	-25.00	-25.00	35.36				
100.00	100.00	100.00	100.00	0.98	0.98	-135.00	-25.00	-25.00	35.36	33.39	1.96	18.018	
200.00	200.00	200.00	200.00	1.56	1.56	-135.00	-25.00	-25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	-135.00	-25.00	-25.00	35.36	31.39	3.96	8.923	CC, ES
400.00	399.99	399.99	399.99	2.41	2.33	149.90	-25.00	-25.00	36.48	31.76	4.72	7.729	
500.00	499.91	499.91	499.91	2.78	2.63	152.71	-25.00	-25.00	39.93	34.54	5.38	7.416	
600.00	599.69	599.69	599.69	3.12	2.91	156.42	-25.00	-25.00	45.84	39.85	5.99	7.649	
633.33	632.91	632.91	632.91	3.15	2.99	157.71	-25.00	-25.00	48.38	42.27	6.11	7.917	
700.00	699.32	699.32	699.32	3.25	3.16	160.06	-25.00	-25.00	53.81	47.42	6.39	8.419	
800.00	798.94	798.94	798.94	3.50	3.40	162.80	-25.00	-25.00	62.07	55.19	6.88	9.020	
900.00	898.56	898.56	898.56	3.74	3.62	164.90	-25.00	-25.00	70.45	63.10	7.35	9.587	
1,000.00	998.18	998.18	998.18	3.97	3.83	166.55	-25.00	-25.00	78.90	71.10	7.80	10.121	
1,100.00	1,097.80	1,097.80	1,097.80	4.20	4.03	167.88	-25.00	-25.00	87.40	79.17	8.23	10.624	
1,200.00	1,197.42	1,197.42	1,197.42	4.42	4.23	168.97	-25.00	-25.00	95.94	87.30	8.64	11.098	
1,300.00	1,297.04	1,297.04	1,297.04	4.64	4.41	169.88	-25.00	-25.00	104.51	95.46	9.05	11.546	
1,400.00	1,396.66	1,396.66	1,396.66	4.86	4.60	170.66	-25.00	-25.00	113.10	103.65	9.45	11.971	
1,500.00	1,496.28	1,496.28	1,496.28	5.07	4.77	171.33	-25.00	-25.00	121.71	111.87	9.84	12.374	
1,600.00	1,595.90	1,599.15	1,599.13	5.28	4.98	171.77	-24.84	-23.72	129.13	118.88	10.25	12.594	
1,700.00	1,695.52	1,702.47	1,702.37	5.48	5.17	171.87	-24.35	-19.68	133.95	123.30	10.65	12.574	
1,800.00	1,795.14	1,805.98	1,805.65	5.69	5.36	171.66	-23.51	-12.84	136.16	125.13	11.04	12.338	
1,900.00	1,894.76	1,906.92	1,906.21	5.89	5.45	171.24	-22.45	-4.21	136.47	125.15	11.33	12.050	
2,000.00	1,994.38	2,006.91	2,005.83	6.09	5.60	170.81	-21.38	4.44	136.69	125.01	11.68	11.702	
2,100.00	2,094.00	2,106.91	2,105.44	6.29	5.76	170.39	-20.32	13.09	136.93	124.89	12.04	11.375	
2,200.00	2,193.62	2,207.08	2,205.24	6.50	5.92	169.96	-19.26	21.76	137.16	124.75	12.41	11.055	
2,206.41	2,200.00	2,213.72	2,211.85	6.52	5.93	169.94	-19.18	22.35	137.16	124.73	12.43	11.034	
2,300.00	2,293.13	2,310.64	2,308.28	6.72	6.10	169.80	-17.15	31.89	137.10	124.31	12.79	10.722	
2,400.00	2,392.34	2,414.20	2,411.03	6.95	6.29	170.16	-13.22	44.13	137.02	123.82	13.19	10.384	
2,500.00	2,491.20	2,517.72	2,513.39	7.18	6.49	171.07	-7.48	58.47	136.94	123.34	13.60	10.066	
2,566.59	2,556.80	2,586.63	2,581.28	7.33	6.62	171.97	-2.65	69.18	136.92	123.04	13.88	9.865	
2,600.00	2,589.63	2,621.18	2,615.25	7.41	6.68	172.51	0.08	74.90	136.93	122.91	14.02	9.768	
2,600.00	2,589.64	2,621.19	2,615.26	7.41	6.68	172.51	0.08	74.90	136.93	122.91	14.02	9.768	
2,700.00	2,687.57	2,723.82	2,715.82	7.65	6.88	174.45	9.32	93.21	137.13	122.69	14.43	9.501	
2,800.00	2,784.94	2,823.67	2,813.48	7.88	7.05	176.53	18.86	111.65	139.32	124.47	14.85	9.384	
2,873.30	2,855.92	2,896.79	2,885.01	8.02	7.17	178.04	25.84	125.15	142.70	127.58	15.12	9.439	
2,900.00	2,881.71	2,923.42	2,911.05	8.06	7.22	178.57	28.38	130.06	144.21	129.01	15.21	9.484	
3,000.00	2,978.30	3,023.13	3,008.59	8.28	7.39	-179.52	37.90	148.47	149.98	134.38	15.60	9.614	
3,100.00	3,074.89	3,122.84	3,106.13	8.49	7.57	-177.76	47.42	166.88	155.90	139.90	16.00	9.745	
3,200.00	3,171.49	3,222.56	3,203.66	8.71	7.74	-176.12	56.94	185.29	161.96	145.56	16.40	9.878	
3,300.00	3,268.08	3,322.27	3,301.20	8.93	7.92	-174.61	66.46	203.70	168.14	151.34	16.80	10.010	
3,400.00	3,364.67	3,421.98	3,398.73	9.16	8.11	-173.20	75.98	222.11	174.43	157.23	17.20	10.139	
3,500.00	3,461.26	3,521.70	3,496.27	9.42	8.34	-171.89	85.51	240.52	180.82	163.20	17.61	10.266	
3,600.00	3,557.85	3,621.41	3,593.81	9.70	8.57	-170.67	95.03	258.93	187.29	169.26	18.03	10.390	
3,700.00	3,654.44	3,721.13	3,691.34	10.00	8.80	-169.54	104.55	277.34	193.84	175.40	18.44	10.511	
3,800.00	3,751.03	3,820.84	3,788.88	10.30	9.04	-168.48	114.07	295.75	200.47	181.60	18.86	10.628	
3,900.00	3,847.62	3,920.55	3,886.41	10.61	9.28	-167.48	123.59	314.16	207.15	187.87	19.29	10.740	
4,000.00	3,944.21	4,020.27	3,983.95	10.93	9.52	-166.55	133.11	332.57	213.90	194.18	19.72	10.849	
4,100.00	4,040.80	4,119.98	4,081.49	11.25	9.76	-165.68	142.63	350.98	220.70	200.55	20.15	10.953	
4,200.00	4,137.40	4,219.69	4,179.02	11.57	10.00	-164.85	152.15	369.38	227.55	206.96	20.59	11.053	
4,300.00	4,233.99	4,319.41	4,276.56	11.89	10.25	-164.08	161.67	387.79	234.44	213.41	21.03	11.149	
4,400.00	4,330.58	4,419.12	4,374.09	12.21	10.50	-163.35	171.19	406.20	241.37	219.90	21.47	11.241	
4,500.00	4,427.17	4,518.83	4,471.63	12.54	10.75	-162.66	180.71	424.61	248.34	226.42	21.92	11.329	
4,600.00	4,523.76	4,618.55	4,569.17	12.87	11.00	-162.01	190.24	443.02	255.34	232.97	22.37	11.413	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,620.35	4,718.26	4,666.70	13.20	11.25	-161.39	199.76	461.43	262.37	239.55	22.83	11.494	
4,800.00	4,716.94	4,817.98	4,764.24	13.53	11.51	-160.81	209.28	479.84	269.44	246.15	23.29	11.571	
4,900.00	4,813.53	4,917.69	4,861.77	13.86	11.76	-160.26	218.80	498.25	276.52	252.78	23.75	11.645	
5,000.00	4,910.12	5,017.40	4,959.31	14.19	12.02	-159.73	228.32	516.66	283.64	259.43	24.21	11.715	
5,100.00	5,006.72	5,117.12	5,056.85	14.53	12.27	-159.23	237.84	535.07	290.77	266.10	24.67	11.785	
5,200.00	5,103.31	5,213.22	5,150.94	14.86	12.49	-158.81	246.83	552.46	298.29	273.18	25.11	11.881	
5,300.00	5,199.90	5,306.67	5,242.83	15.20	12.71	-158.65	254.62	567.52	307.67	282.11	25.56	12.039	
5,400.00	5,296.49	5,400.00	5,334.99	15.53	12.92	-158.74	261.37	580.56	319.05	293.06	25.98	12.279	
5,500.00	5,393.08	5,492.30	5,426.47	15.87	13.10	-159.04	267.02	591.49	332.42	306.04	26.38	12.600	
5,600.00	5,489.67	5,584.27	5,517.88	16.21	13.26	-159.52	271.64	600.43	347.79	321.03	26.76	12.997	
5,700.00	5,586.26	5,675.54	5,608.82	16.55	13.40	-160.15	275.23	607.36	365.17	338.06	27.11	13.470	
5,800.00	5,682.85	5,766.02	5,699.12	16.89	13.51	-160.90	277.80	612.33	384.56	357.13	27.44	14.016	
5,900.00	5,779.44	5,855.62	5,788.65	17.23	13.61	-161.74	279.37	615.38	406.00	378.26	27.74	14.636	
5,915.24	5,794.17	5,869.19	5,802.22	17.27	13.63	-161.87	279.53	615.67	409.44	381.67	27.78	14.740	
6,000.00	5,876.27	5,944.46	5,877.48	17.54	13.68	-162.69	279.98	616.55	428.60	400.62	27.98	15.317	
6,100.00	5,973.71	6,040.69	5,973.71	17.85	13.73	-163.62	279.99	616.57	450.13	421.89	28.24	15.941	
6,200.00	6,071.71	6,138.69	6,071.71	18.12	13.81	-164.38	279.99	616.57	469.29	440.78	28.52	16.457	
6,300.00	6,170.19	6,237.17	6,170.19	18.37	13.88	-165.00	279.99	616.57	486.03	457.24	28.79	16.880	
6,400.00	6,269.10	6,336.07	6,269.10	18.59	13.95	-165.49	279.99	616.57	500.30	471.24	29.07	17.213	
6,500.00	6,368.35	6,435.33	6,368.35	18.78	14.02	-165.87	279.99	616.57	512.09	482.75	29.33	17.458	
6,600.00	6,467.89	6,534.87	6,467.89	18.94	14.10	-166.16	279.99	616.57	521.36	491.77	29.59	17.618	
6,700.00	6,567.65	6,634.62	6,567.65	19.07	14.17	-166.37	279.99	616.57	528.11	498.26	29.84	17.697	
6,800.00	6,667.55	6,734.53	6,667.55	19.18	14.24	-166.49	279.99	616.57	532.32	502.24	30.08	17.697	
6,900.00	6,767.53	6,834.51	6,767.53	19.26	14.32	-166.54	279.99	616.57	533.98	503.69	30.29	17.628	
6,915.47	6,783.00	6,849.98	6,783.00	19.26	14.33	-90.39	279.99	616.57	534.01	503.70	30.31	17.619	
7,000.00	6,867.53	6,934.51	6,867.53	19.30	14.39	-90.39	279.99	616.57	534.01	503.61	30.41	17.563	
7,100.00	6,967.53	7,034.51	6,967.53	19.35	14.46	-90.39	279.99	616.57	534.01	503.48	30.53	17.492	
7,200.00	7,067.53	7,134.51	7,067.53	19.40	14.54	-90.39	279.99	616.57	534.01	503.36	30.65	17.421	
7,300.00	7,167.53	7,234.51	7,167.53	19.45	14.61	-90.39	279.99	616.57	534.01	503.24	30.78	17.351	
7,400.00	7,267.53	7,334.51	7,267.53	19.50	14.69	-90.39	279.99	616.57	534.01	503.11	30.90	17.281	
7,500.00	7,367.53	7,434.51	7,367.53	19.55	14.76	-90.39	279.99	616.57	534.01	502.99	31.03	17.211	
7,600.00	7,467.53	7,534.51	7,467.53	19.60	14.83	-90.39	279.99	616.57	534.01	502.86	31.15	17.142	
7,700.00	7,567.53	7,634.51	7,567.53	19.65	14.91	-90.39	279.99	616.57	534.01	502.74	31.28	17.074	
7,800.00	7,667.53	7,734.51	7,667.53	19.71	14.98	-90.39	279.99	616.57	534.01	502.61	31.40	17.005	
7,900.00	7,767.53	7,834.51	7,767.53	19.76	15.06	-90.39	279.99	616.57	534.01	502.48	31.53	16.937	
8,000.00	7,867.53	7,934.51	7,867.53	19.81	15.13	-90.39	279.99	616.57	534.01	502.36	31.66	16.870	
8,100.00	7,967.53	8,034.51	7,967.53	19.86	15.21	-90.39	279.99	616.57	534.01	502.23	31.78	16.802	
8,200.00	8,067.53	8,134.51	8,067.53	19.92	15.28	-90.39	279.99	616.57	534.01	502.10	31.91	16.735	
8,300.00	8,167.53	8,234.51	8,167.53	19.97	15.36	-90.39	279.99	616.57	534.01	501.98	32.04	16.669	
8,400.00	8,267.53	8,334.51	8,267.53	20.02	15.43	-90.39	279.99	616.57	534.01	501.85	32.16	16.603	
8,500.00	8,367.53	8,434.51	8,367.53	20.08	15.51	-90.39	279.99	616.57	534.01	501.72	32.29	16.537	
8,600.00	8,467.53	8,534.51	8,467.53	20.13	15.58	-90.39	279.99	616.57	534.01	501.59	32.42	16.472	
8,700.00	8,567.53	8,634.51	8,567.53	20.18	15.66	-90.39	279.99	616.57	534.01	501.46	32.55	16.407	
8,800.00	8,667.53	8,734.51	8,667.53	20.24	15.73	-90.39	279.99	616.57	534.01	501.33	32.68	16.342	
8,900.00	8,767.53	8,834.51	8,767.53	20.29	15.81	-90.39	279.99	616.57	534.01	501.21	32.81	16.278	
9,000.00	8,867.53	8,934.51	8,867.53	20.35	15.88	-90.39	279.99	616.57	534.01	501.08	32.94	16.214	
9,100.00	8,967.53	9,034.51	8,967.53	20.40	15.96	-90.39	279.99	616.57	534.01	500.95	33.07	16.150	
9,200.00	9,067.53	9,134.51	9,067.53	20.45	16.03	-90.39	279.99	616.57	534.01	500.82	33.20	16.087	
9,300.00	9,167.53	9,234.51	9,167.53	20.51	16.11	-90.39	279.99	616.57	534.01	500.69	33.33	16.024	
9,400.00	9,267.53	9,334.51	9,267.53	20.56	16.18	-90.39	279.99	616.57	534.01	500.56	33.46	15.962	
9,500.00	9,367.53	9,434.51	9,367.53	20.62	16.26	-90.39	279.99	616.57	534.01	500.43	33.59	15.900	
9,600.00	9,467.53	9,534.51	9,467.53	20.68	16.34	-90.39	279.99	616.57	534.01	500.29	33.72	15.838	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,634.51	9,567.53	20.73	16.41	-90.39	279.99	616.57	534.01	500.16	33.85	15.776	
9,800.00	9,667.53	9,734.51	9,667.53	20.79	16.49	-90.39	279.99	616.57	534.01	500.03	33.98	15.715	
9,900.00	9,767.53	9,834.51	9,767.53	20.84	16.56	-90.39	279.99	616.57	534.01	499.90	34.11	15.655	
10,000.00	9,867.53	9,934.51	9,867.53	20.90	16.64	-90.39	279.99	616.57	534.01	499.77	34.24	15.594	
10,100.00	9,967.53	10,034.51	9,967.53	20.95	16.71	-90.39	279.99	616.57	534.01	499.64	34.38	15.534	
10,200.00	10,067.53	10,134.51	10,067.53	21.01	16.79	-90.39	279.99	616.57	534.01	499.50	34.51	15.475	
10,300.00	10,167.53	10,234.51	10,167.53	21.07	16.87	-90.39	279.99	616.57	534.01	499.37	34.64	15.415	
10,400.00	10,267.53	10,334.51	10,267.53	21.12	16.94	-90.39	279.99	616.57	534.01	499.24	34.77	15.356	
10,500.00	10,367.53	10,434.51	10,367.53	21.18	17.02	-90.39	279.99	616.57	534.01	499.10	34.91	15.298	
10,600.00	10,467.53	10,534.51	10,467.53	21.24	17.10	-90.39	279.99	616.57	534.01	498.97	35.04	15.240	
10,700.00	10,567.53	10,634.51	10,567.53	21.30	17.17	-90.39	279.99	616.57	534.01	498.84	35.17	15.182	
10,800.00	10,667.53	10,734.51	10,667.53	21.35	17.25	-90.39	279.99	616.57	534.01	498.70	35.31	15.124	
10,900.00	10,767.53	10,834.51	10,767.53	21.41	17.32	-90.39	279.99	616.57	534.01	498.57	35.44	15.067	
11,000.00	10,867.53	10,934.51	10,867.53	21.47	17.40	-90.39	279.99	616.57	534.01	498.44	35.58	15.010	
11,100.00	10,967.53	11,034.51	10,967.53	21.53	17.48	-90.39	279.99	616.57	534.01	498.30	35.71	14.953	
11,200.00	11,067.53	11,134.51	11,067.53	21.58	17.55	-90.39	279.99	616.57	534.01	498.17	35.85	14.897	
11,300.00	11,167.53	11,234.51	11,167.53	21.64	17.63	-90.39	279.99	616.57	534.01	498.03	35.98	14.841	
11,400.00	11,267.53	11,334.51	11,267.53	21.70	17.71	-90.39	279.99	616.57	534.01	497.90	36.12	14.786	
11,500.00	11,367.53	11,434.51	11,367.53	21.76	17.78	-90.39	279.99	616.57	534.01	497.76	36.25	14.730	
11,600.00	11,467.53	11,534.51	11,467.53	21.82	17.86	-90.39	279.99	616.57	534.01	497.62	36.39	14.675	
11,686.47	11,554.00	11,620.98	11,554.00	21.86	17.93	-90.39	279.99	616.57	534.01	497.51	36.50	14.631	
11,700.00	11,567.53	11,634.51	11,567.53	21.86	17.94	90.12	279.99	616.57	534.01	497.50	36.51	14.626	
11,750.00	11,617.40	11,684.38	11,617.40	21.90	17.98	90.48	279.99	616.57	534.03	497.49	36.54	14.614	
11,800.00	11,666.79	11,733.77	11,666.79	21.93	18.01	91.28	279.99	616.57	534.15	497.58	36.57	14.605	
11,850.00	11,715.32	11,782.30	11,715.32	21.95	18.05	92.48	279.99	616.57	534.56	497.96	36.60	14.605	
11,900.00	11,762.62	11,829.60	11,762.62	21.97	18.09	94.02	279.99	616.57	535.53	498.90	36.63	14.620	
11,950.00	11,808.34	11,875.32	11,808.34	21.99	18.12	95.80	279.99	616.57	537.43	500.77	36.66	14.659	
12,000.00	11,852.12	11,919.10	11,852.12	22.01	18.16	97.71	279.99	616.57	540.68	503.98	36.69	14.734	
12,050.00	11,893.63	11,960.61	11,893.63	22.03	18.19	99.63	279.99	616.57	545.73	509.00	36.73	14.857	
12,100.00	11,932.55	11,999.53	11,932.55	22.05	18.22	101.43	279.99	616.57	553.04	516.27	36.77	15.039	
12,150.00	11,968.60	12,035.58	11,968.60	22.09	18.25	102.99	279.99	616.57	563.04	526.22	36.82	15.292	
12,200.00	12,001.49	12,068.46	12,001.49	22.13	18.27	104.18	279.99	616.57	576.08	539.21	36.87	15.626	
12,250.00	12,030.97	12,097.95	12,030.97	22.19	18.29	104.90	279.99	616.57	592.41	555.49	36.92	16.047	
12,300.00	12,056.82	12,123.80	12,056.82	22.26	18.31	105.04	279.99	616.57	612.14	575.18	36.96	16.560	
12,350.00	12,078.85	12,145.83	12,078.85	22.35	18.33	104.49	279.99	616.57	635.28	598.28	37.01	17.166	
12,400.00	12,096.88	12,163.86	12,096.88	22.47	18.34	103.17	279.99	616.57	661.70	624.65	37.04	17.862	
12,450.00	12,110.78	12,177.76	12,110.78	22.60	18.35	100.97	279.99	616.57	691.13	654.06	37.07	18.642	
12,500.00	12,120.45	12,187.42	12,120.45	22.75	18.36	97.82	279.99	616.57	723.26	686.17	37.09	19.498	
12,550.00	12,125.80	12,192.78	12,125.80	22.93	18.37	93.66	279.99	616.57	757.67	720.56	37.10	20.420	
12,581.47	12,126.94	12,193.91	12,126.94	23.05	18.37	90.53	279.99	616.57	780.29	743.18	37.11	21.028	
12,600.00	12,127.10	12,194.08	12,127.10	23.12	18.37	90.55	279.99	616.57	793.90	756.79	37.11	21.395	
12,700.00	12,127.97	12,194.95	12,127.97	23.56	18.37	90.64	279.99	616.57	870.50	833.39	37.11	23.458	
12,800.00	12,128.84	13,441.43	12,859.63	24.06	19.87	140.29	-479.39	550.08	950.46	899.58	50.89	18.678	
12,900.00	12,129.71	13,563.78	12,860.70	24.61	20.45	140.20	-601.72	549.20	951.43	899.75	51.69	18.408	
13,000.00	12,130.58	13,663.78	12,861.56	25.21	21.02	140.20	-701.71	550.06	951.43	899.10	52.33	18.182	
13,100.00	12,131.46	13,763.78	12,862.43	25.87	21.65	140.20	-801.71	550.92	951.43	898.40	53.03	17.941	
13,200.00	12,132.33	13,863.78	12,863.30	26.56	22.35	140.20	-901.70	551.78	951.43	897.63	53.79	17.687	
13,300.00	12,133.20	13,963.78	12,864.17	27.30	23.11	140.20	-1,001.69	552.64	951.42	896.82	54.61	17.423	
13,400.00	12,134.07	14,063.78	12,865.04	28.08	23.92	140.20	-1,101.68	553.50	951.42	895.95	55.48	17.150	
13,500.00	12,134.94	14,163.78	12,865.90	28.90	24.78	140.20	-1,201.68	554.36	951.42	895.03	56.39	16.871	
13,600.00	12,135.81	14,263.78	12,866.77	29.75	25.69	140.20	-1,301.67	555.22	951.42	894.06	57.36	16.588	
13,700.00	12,136.69	14,363.78	12,867.64	30.63	26.64	140.20	-1,401.66	556.09	951.41	893.05	58.37	16.301	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,137.56	14,463.78	12,868.51	31.55	27.62	140.20	-1,501.65	556.95	951.41	891.99	59.42	16.012	
13,900.00	12,138.43	14,563.78	12,869.38	32.50	28.64	140.20	-1,601.65	557.81	951.41	890.90	60.51	15.722	
14,000.00	12,139.30	14,663.78	12,870.24	33.47	29.69	140.20	-1,701.64	558.67	951.41	889.76	61.65	15.434	
14,100.00	12,140.17	14,763.78	12,871.11	34.47	30.76	140.20	-1,801.63	559.53	951.40	888.59	62.81	15.147	
14,200.00	12,141.04	14,863.78	12,871.98	35.49	31.85	140.20	-1,901.62	560.39	951.40	887.39	64.02	14.862	
14,300.00	12,141.92	14,963.78	12,872.85	36.53	32.97	140.20	-2,001.62	561.25	951.40	886.15	65.25	14.581	
14,400.00	12,142.79	15,063.78	12,873.72	37.59	34.11	140.20	-2,101.61	562.11	951.40	884.88	66.52	14.303	
14,500.00	12,143.66	15,163.78	12,874.58	38.67	35.26	140.20	-2,201.60	562.97	951.40	883.58	67.81	14.030	
14,600.00	12,144.53	15,263.78	12,875.45	39.77	36.43	140.20	-2,301.60	563.83	951.39	882.26	69.13	13.762	
14,700.00	12,145.40	15,363.78	12,876.32	40.88	37.61	140.20	-2,401.59	564.69	951.39	880.91	70.48	13.498	
14,800.00	12,146.27	15,463.78	12,877.19	42.01	38.80	140.20	-2,501.58	565.55	951.39	879.53	71.85	13.241	
14,900.00	12,147.14	15,563.78	12,878.06	43.15	40.01	140.20	-2,601.57	566.41	951.39	878.14	73.25	12.988	
15,000.00	12,148.02	15,663.78	12,878.92	44.31	41.22	140.20	-2,701.57	567.27	951.38	876.72	74.67	12.742	
15,100.00	12,148.89	15,763.78	12,879.79	45.47	42.45	140.20	-2,801.56	568.14	951.38	875.28	76.10	12.501	
15,200.00	12,149.76	15,863.78	12,880.66	46.65	43.68	140.20	-2,901.55	569.00	951.38	873.82	77.56	12.266	
15,300.00	12,150.63	15,963.78	12,881.53	47.83	44.93	140.20	-3,001.54	569.86	951.38	872.34	79.04	12.037	
15,400.00	12,151.50	16,063.78	12,882.40	49.03	46.18	140.20	-3,101.54	570.72	951.37	870.84	80.53	11.814	
15,500.00	12,152.37	16,163.78	12,883.26	50.23	47.43	140.20	-3,201.53	571.58	951.37	869.33	82.04	11.597	
15,600.00	12,153.25	16,263.78	12,884.13	51.45	48.70	140.20	-3,301.52	572.44	951.37	867.81	83.56	11.385	
15,700.00	12,154.12	16,363.78	12,885.00	52.67	49.96	140.20	-3,401.51	573.30	951.37	866.27	85.10	11.179	
15,800.00	12,154.99	16,463.78	12,885.87	53.89	51.24	140.20	-3,501.51	574.16	951.36	864.71	86.65	10.979	
15,900.00	12,155.86	16,563.78	12,886.74	55.13	52.52	140.20	-3,601.50	575.02	951.36	863.14	88.22	10.784	
16,000.00	12,156.73	16,663.78	12,887.60	56.37	53.80	140.20	-3,701.49	575.88	951.36	861.56	89.80	10.594	
16,100.00	12,157.60	16,763.78	12,888.47	57.61	55.09	140.20	-3,801.48	576.74	951.36	859.97	91.39	10.410	
16,200.00	12,158.48	16,863.78	12,889.34	58.86	56.38	140.20	-3,901.48	577.60	951.35	858.36	92.99	10.231	
16,300.00	12,159.35	16,963.78	12,890.21	60.12	57.67	140.20	-4,001.47	578.46	951.35	856.75	94.60	10.056	
16,400.00	12,160.22	17,063.78	12,891.08	61.38	58.97	140.20	-4,101.46	579.32	951.35	855.13	96.22	9.887	
16,500.00	12,161.09	17,163.78	12,891.94	62.65	60.27	140.20	-4,201.45	580.19	951.35	853.49	97.86	9.722	
16,600.00	12,161.96	17,263.78	12,892.81	63.92	61.58	140.20	-4,301.45	581.05	951.35	851.85	99.50	9.562	
16,700.00	12,162.83	17,363.78	12,893.68	65.19	62.89	140.20	-4,401.44	581.91	951.34	850.20	101.15	9.406	
16,800.00	12,163.71	17,463.78	12,894.55	66.47	64.20	140.20	-4,501.43	582.77	951.34	848.54	102.80	9.254	
16,900.00	12,164.58	17,563.78	12,895.42	67.75	65.51	140.20	-4,601.42	583.63	951.34	846.87	104.47	9.106	
17,000.00	12,165.45	17,663.78	12,896.28	69.04	66.82	140.20	-4,701.42	584.49	951.34	845.19	106.14	8.963	
17,100.00	12,166.32	17,763.78	12,897.15	70.32	68.14	140.20	-4,801.41	585.35	951.33	843.51	107.82	8.823	
17,200.00	12,167.19	17,863.78	12,898.02	71.61	69.46	140.20	-4,901.40	586.21	951.33	841.82	109.51	8.687	
17,300.00	12,168.06	17,963.78	12,898.89	72.91	70.78	140.20	-5,001.39	587.07	951.33	840.13	111.20	8.555	
17,400.00	12,168.94	18,063.78	12,899.76	74.21	72.10	140.20	-5,101.39	587.93	951.33	838.42	112.90	8.426	
17,500.00	12,169.81	18,163.78	12,900.63	75.50	73.43	140.20	-5,201.38	588.79	951.32	836.71	114.61	8.301	
17,600.00	12,170.68	18,263.78	12,901.49	76.81	74.76	140.20	-5,301.37	589.65	951.32	835.00	116.32	8.178	
17,700.00	12,171.55	18,363.78	12,902.36	78.11	76.08	140.20	-5,401.36	590.51	951.32	833.28	118.04	8.059	
17,800.00	12,172.42	18,463.78	12,903.23	79.42	77.41	140.20	-5,501.36	591.37	951.32	831.56	119.76	7.944	
17,900.00	12,173.29	18,563.78	12,904.10	80.72	78.74	140.20	-5,601.35	592.24	951.31	829.83	121.49	7.831	
18,000.00	12,174.17	18,663.78	12,904.97	82.03	80.08	140.20	-5,701.34	593.10	951.31	828.09	123.22	7.721	
18,100.00	12,175.04	18,763.78	12,905.83	83.35	81.41	140.20	-5,801.33	593.96	951.31	826.36	124.95	7.613	
18,200.00	12,175.91	18,863.78	12,906.70	84.66	82.74	140.20	-5,901.33	594.82	951.31	824.61	126.70	7.509	
18,300.00	12,176.78	18,963.78	12,907.57	85.98	84.08	140.19	-6,001.32	595.68	951.30	822.86	128.44	7.407	
18,400.00	12,177.65	19,063.78	12,908.44	87.29	85.42	140.19	-6,101.31	596.54	951.30	821.11	130.19	7.307	
18,500.00	12,178.52	19,163.78	12,909.31	88.61	86.75	140.19	-6,201.30	597.40	951.30	819.36	131.94	7.210	
18,600.00	12,179.39	19,263.78	12,910.17	89.93	88.09	140.19	-6,301.30	598.26	951.30	817.60	133.70	7.115	
18,700.00	12,180.27	19,363.78	12,911.04	91.26	89.43	140.19	-6,401.29	599.12	951.29	815.84	135.46	7.023	
18,800.00	12,181.14	19,463.78	12,911.91	92.58	90.77	140.19	-6,501.28	599.98	951.29	814.07	137.22	6.932	
18,900.00	12,182.01	19,563.78	12,912.78	93.90	92.11	140.19	-6,601.27	600.84	951.29	812.30	138.99	6.844	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	12,182.88	19,663.78	12,913.65	95.23	93.46	140.19	-6,701.27	601.70	951.29	810.53	140.76	6.758	
19,100.00	12,183.75	19,763.78	12,914.51	96.56	94.80	140.19	-6,801.26	602.56	951.29	808.75	142.53	6.674	
19,200.00	12,184.62	19,863.78	12,915.38	97.89	96.14	140.19	-6,901.25	603.42	951.28	806.97	144.31	6.592	
19,300.00	12,185.50	19,963.78	12,916.25	99.22	97.49	140.19	-7,001.24	604.29	951.28	805.19	146.09	6.512	
19,400.00	12,186.37	20,063.78	12,917.12	100.55	98.83	140.19	-7,101.24	605.15	951.28	803.41	147.87	6.433	
19,500.00	12,187.24	20,163.78	12,917.99	101.88	100.18	140.19	-7,201.23	606.01	951.28	801.62	149.65	6.357	
19,600.00	12,188.11	20,263.78	12,918.85	103.21	101.53	140.19	-7,301.22	606.87	951.27	799.83	151.44	6.281	
19,700.00	12,188.98	20,363.78	12,919.72	104.54	102.87	140.19	-7,401.21	607.73	951.27	798.04	153.23	6.208	
19,800.00	12,189.85	20,463.78	12,920.59	105.88	104.22	140.19	-7,501.21	608.59	951.27	796.25	155.02	6.136	
19,900.00	12,190.73	20,563.78	12,921.46	107.21	105.57	140.19	-7,601.20	609.45	951.27	794.45	156.82	6.066	
20,000.00	12,191.60	20,663.78	12,922.33	108.55	106.92	140.19	-7,701.19	610.31	951.26	792.65	158.61	5.997	
20,100.00	12,192.47	20,763.78	12,923.19	109.89	108.27	140.19	-7,801.18	611.17	951.26	790.85	160.41	5.930	
20,200.00	12,193.34	20,863.78	12,924.06	111.23	109.62	140.19	-7,901.18	612.03	951.26	789.05	162.21	5.864	
20,300.00	12,194.21	20,963.78	12,924.93	112.56	110.97	140.19	-8,001.17	612.89	951.26	787.24	164.01	5.800	
20,400.00	12,195.08	21,063.78	12,925.80	113.90	112.32	140.19	-8,101.16	613.75	951.25	785.44	165.82	5.737	
20,500.00	12,195.96	21,163.78	12,926.67	115.24	113.67	140.19	-8,201.15	614.61	951.25	783.63	167.62	5.675	
20,600.00	12,196.83	21,263.78	12,927.53	116.58	115.02	140.19	-8,301.15	615.47	951.25	781.82	169.43	5.614	
20,700.00	12,197.70	21,363.78	12,928.40	117.93	116.38	140.19	-8,401.14	616.34	951.25	780.00	171.24	5.555	
20,800.00	12,198.57	21,463.78	12,929.27	119.27	117.73	140.19	-8,501.13	617.20	951.24	778.19	173.05	5.497	
20,900.00	12,199.44	21,563.78	12,930.14	120.61	119.08	140.19	-8,601.12	618.06	951.24	776.37	174.87	5.440	
21,000.00	12,200.31	21,663.78	12,931.01	121.95	120.43	140.19	-8,701.12	618.92	951.24	774.56	176.68	5.384	
21,100.00	12,201.19	21,763.78	12,931.87	123.30	121.79	140.19	-8,801.11	619.78	951.24	772.74	178.50	5.329	
21,200.00	12,202.06	21,863.78	12,932.74	124.64	123.14	140.19	-8,901.10	620.64	951.24	770.92	180.32	5.275	
21,300.00	12,202.93	21,963.78	12,933.61	125.99	124.50	140.19	-9,001.09	621.50	951.23	769.10	182.14	5.223	
21,400.00	12,203.80	22,063.78	12,934.48	127.33	125.85	140.19	-9,101.09	622.36	951.23	767.27	183.96	5.171	
21,500.00	12,204.67	22,163.78	12,935.35	128.68	127.21	140.19	-9,201.08	623.22	951.23	765.45	185.78	5.120	
21,600.00	12,205.54	22,263.78	12,936.21	130.03	128.56	140.19	-9,301.07	624.08	951.23	763.62	187.60	5.070	
21,700.00	12,206.41	22,363.78	12,937.08	131.37	129.92	140.19	-9,401.06	624.94	951.22	761.79	189.43	5.022	
21,800.00	12,207.29	22,463.78	12,937.95	132.72	131.27	140.19	-9,501.06	625.80	951.22	759.97	191.25	4.974	
21,900.00	12,208.16	22,563.78	12,938.82	134.07	132.63	140.19	-9,601.05	626.66	951.22	758.14	193.08	4.926	
22,000.00	12,209.03	22,663.78	12,939.69	135.42	133.99	140.19	-9,701.04	627.52	951.22	756.31	194.91	4.880	
22,100.00	12,209.90	22,763.78	12,940.55	136.77	135.34	140.19	-9,801.03	628.39	951.21	754.47	196.74	4.835	
22,200.00	12,210.77	22,863.78	12,941.42	138.12	136.70	140.19	-9,901.03	629.25	951.21	752.64	198.57	4.790	
22,300.00	12,211.64	22,963.78	12,942.29	139.47	138.06	140.19	-10,001.02	630.11	951.21	750.81	200.40	4.746	
22,400.00	12,212.52	23,063.78	12,943.16	140.82	139.42	140.19	-10,101.01	630.97	951.21	748.97	202.24	4.703	
22,500.00	12,213.39	23,163.78	12,944.03	142.17	140.77	140.19	-10,201.01	631.83	951.20	747.13	204.07	4.661	
22,512.90	12,213.50	23,176.68	12,944.14	142.34	140.95	140.19	-10,213.90	631.94	951.20	746.90	204.31	4.656	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,200.00	1,197.42	1,200.42	1,200.42	4.42	4.23	-7.72	906.00	2,319.00	2,426.33	2,417.68	8.65	280.369	
1,300.00	1,297.04	1,300.04	1,300.04	4.64	4.42	-7.74	906.00	2,319.00	2,417.70	2,408.64	9.06	266.876	
1,400.00	1,396.66	1,399.66	1,399.66	4.86	4.60	-7.77	906.00	2,319.00	2,409.06	2,399.61	9.45	254.798	
1,500.00	1,496.28	1,499.28	1,499.28	5.07	4.78	-7.80	906.00	2,319.00	2,400.43	2,390.58	9.84	243.901	
1,600.00	1,595.90	1,598.90	1,598.90	5.28	4.95	-7.83	906.00	2,319.00	2,391.79	2,381.57	10.22	234.002	
1,700.00	1,695.52	1,698.52	1,698.52	5.48	5.11	-7.86	906.00	2,319.00	2,383.16	2,372.56	10.59	224.955	
1,800.00	1,795.14	1,798.14	1,798.14	5.69	5.27	-7.89	906.00	2,319.00	2,374.52	2,363.56	10.96	216.643	
1,900.00	1,894.76	1,897.76	1,897.76	5.89	5.43	-7.91	906.00	2,319.00	2,365.89	2,354.57	11.32	208.971	
2,000.00	1,994.38	1,997.38	1,997.38	6.09	5.59	-7.94	906.00	2,319.00	2,357.25	2,345.58	11.68	201.861	
2,100.00	2,094.00	2,215.65	2,215.53	6.29	5.93	-7.94	901.46	2,314.94	2,346.17	2,333.99	12.18	192.703	
2,200.00	2,193.62	2,433.89	2,432.96	6.50	6.25	-7.80	887.65	2,302.59	2,329.98	2,317.34	12.64	184.366	
2,206.41	2,200.00	2,447.74	2,446.71	6.52	6.27	-7.79	886.46	2,301.53	2,328.77	2,316.11	12.67	183.848	
2,300.00	2,293.13	2,646.97	2,643.88	6.72	6.58	-7.57	865.25	2,282.57	2,307.73	2,294.64	13.09	176.331	
2,400.00	2,392.34	2,780.15	2,774.84	6.95	6.73	-7.40	847.20	2,266.43	2,279.28	2,265.84	13.44	169.585	
2,500.00	2,491.20	2,874.96	2,867.98	7.18	6.85	-7.30	834.01	2,254.65	2,248.11	2,234.32	13.79	163.007	
2,600.00	2,589.63	2,968.95	2,960.32	7.41	6.98	-7.20	820.94	2,242.96	2,214.50	2,200.34	14.15	156.498	
2,700.00	2,687.57	3,062.05	3,051.80	7.65	7.11	-7.12	808.00	2,231.39	2,178.46	2,163.95	14.51	150.119	
2,800.00	2,784.94	3,154.22	3,142.34	7.88	7.24	-7.04	795.18	2,219.93	2,140.04	2,125.16	14.87	143.871	
2,873.30	2,855.92	3,221.13	3,208.08	8.02	7.33	-6.99	785.88	2,211.61	2,110.36	2,095.25	15.11	139.626	
2,900.00	2,881.71	3,245.41	3,231.93	8.06	7.37	-6.95	782.50	2,208.60	2,099.32	2,084.13	15.19	138.186	
3,000.00	2,978.30	3,336.32	3,321.25	8.28	7.50	-6.79	769.86	2,197.30	2,057.98	2,042.45	15.53	132.477	
3,100.00	3,074.89	3,427.23	3,410.56	8.49	7.64	-6.63	757.22	2,186.00	2,016.65	2,000.77	15.88	126.981	
3,200.00	3,171.49	3,518.14	3,499.87	8.71	7.78	-6.46	744.58	2,174.70	1,975.34	1,959.11	16.23	121.702	
3,300.00	3,268.08	3,609.05	3,589.19	8.93	7.93	-6.29	731.94	2,163.39	1,934.04	1,917.45	16.59	116.588	
3,400.00	3,364.67	3,699.96	3,678.50	9.16	8.10	-6.10	719.30	2,152.09	1,892.76	1,875.81	16.95	111.686	
3,500.00	3,461.26	3,790.87	3,767.82	9.42	8.28	-5.91	706.66	2,140.79	1,851.49	1,834.18	17.31	106.962	
3,600.00	3,557.85	3,881.78	3,857.13	9.70	8.47	-5.71	694.02	2,129.49	1,810.24	1,792.56	17.68	102.414	
3,700.00	3,654.44	3,972.69	3,946.45	10.00	8.65	-5.50	681.38	2,118.19	1,769.01	1,750.97	18.04	98.035	
3,800.00	3,751.03	4,063.60	4,035.76	10.30	8.84	-5.29	668.73	2,106.89	1,727.80	1,709.38	18.42	93.817	
3,900.00	3,847.62	4,154.51	4,125.08	10.61	9.04	-5.06	656.09	2,095.59	1,686.61	1,667.82	18.79	89.754	
4,000.00	3,944.21	4,245.42	4,214.39	10.93	9.23	-4.82	643.45	2,084.29	1,645.45	1,626.28	19.17	85.838	
4,100.00	4,040.80	4,336.33	4,303.71	11.25	9.43	-4.56	630.81	2,072.99	1,604.31	1,584.76	19.55	82.064	
4,200.00	4,137.40	4,427.24	4,393.02	11.57	9.63	-4.30	618.17	2,061.69	1,563.20	1,543.27	19.93	78.425	
4,300.00	4,233.99	4,518.15	4,482.34	11.89	9.83	-4.02	605.53	2,050.39	1,522.12	1,501.80	20.32	74.915	
4,400.00	4,330.58	4,609.06	4,571.65	12.21	10.03	-3.72	592.89	2,039.09	1,481.07	1,460.37	20.71	71.530	
4,500.00	4,427.17	4,699.97	4,660.97	12.54	10.24	-3.41	580.25	2,027.79	1,440.06	1,418.96	21.10	68.262	
4,600.00	4,523.76	4,790.88	4,750.28	12.87	10.45	-3.08	567.61	2,016.48	1,399.08	1,377.59	21.49	65.108	
4,700.00	4,620.35	4,881.79	4,839.60	13.20	10.66	-2.73	554.97	2,005.18	1,358.15	1,336.27	21.88	62.062	
4,800.00	4,716.94	4,972.70	4,928.91	13.53	10.87	-2.35	542.32	1,993.88	1,317.26	1,294.98	22.28	59.120	
4,900.00	4,813.53	5,063.61	5,018.23	13.86	11.08	-1.96	529.68	1,982.58	1,276.42	1,253.74	22.68	56.278	
5,000.00	4,910.12	5,154.52	5,107.54	14.19	11.29	-1.53	517.04	1,971.28	1,235.64	1,212.55	23.08	53.530	
5,100.00	5,006.72	5,245.43	5,196.86	14.53	11.50	-1.08	504.40	1,959.98	1,194.91	1,171.43	23.49	50.874	
5,200.00	5,103.31	5,336.34	5,286.17	14.86	11.72	-0.60	491.76	1,948.68	1,154.26	1,130.36	23.89	48.306	
5,300.00	5,199.90	5,427.25	5,375.49	15.20	11.94	-0.08	479.12	1,937.38	1,113.67	1,089.37	24.30	45.822	
5,400.00	5,296.49	5,518.16	5,464.80	15.53	12.15	0.47	466.48	1,926.08	1,073.17	1,048.45	24.72	43.418	
5,500.00	5,393.08	5,609.07	5,554.12	15.87	12.37	1.07	453.84	1,914.78	1,032.76	1,007.63	25.13	41.091	
5,600.00	5,489.67	5,699.98	5,643.43	16.21	12.59	1.72	441.20	1,903.48	992.46	966.90	25.55	38.840	
5,700.00	5,586.26	5,790.89	5,732.75	16.55	12.81	2.42	428.56	1,892.18	952.27	926.29	25.98	36.659	
5,800.00	5,682.85	5,881.80	5,822.06	16.89	13.03	3.18	415.91	1,880.88	912.21	885.80	26.40	34.548	
5,900.00	5,779.44	5,972.71	5,911.38	17.23	13.26	4.01	403.27	1,869.58	872.30	845.46	26.84	32.504	
5,915.24	5,794.17	5,986.57	5,924.99	17.27	13.29	4.14	401.35	1,867.85	866.23	839.33	26.90	32.205	
6,000.00	5,876.27	6,063.99	6,001.06	17.54	13.48	4.87	390.58	1,858.23	833.42	806.16	27.27	30.565	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,100.00	5,973.71	6,156.27	6,091.71	17.85	13.71	5.78	377.75	1,846.76	797.13	769.41	27.72	28.757	
6,200.00	6,071.71	6,249.48	6,183.29	18.12	13.94	6.76	364.79	1,835.17	763.50	735.33	28.18	27.097	
6,300.00	6,170.19	6,343.56	6,275.72	18.37	14.17	7.80	351.71	1,823.48	732.57	703.93	28.64	25.580	
6,400.00	6,269.10	6,438.46	6,368.96	18.59	14.39	8.89	338.51	1,811.68	704.39	675.30	29.09	24.214	
6,500.00	6,368.35	6,523.62	6,452.77	18.78	14.58	9.86	327.31	1,801.66	679.69	650.14	29.56	22.996	
6,600.00	6,467.89	6,609.90	6,538.02	18.94	14.77	10.75	317.38	1,792.79	659.32	629.30	30.02	21.960	
6,700.00	6,567.65	6,700.00	6,627.34	19.07	14.95	11.56	308.54	1,784.89	643.26	612.81	30.46	21.120	
6,800.00	6,667.55	6,786.14	6,712.97	19.18	15.09	12.21	301.57	1,778.65	631.47	600.61	30.86	20.462	
6,900.00	6,767.53	6,875.56	6,802.05	19.26	15.23	12.72	295.85	1,773.54	623.92	592.71	31.21	19.993	
6,915.47	6,783.00	6,889.44	6,815.90	19.26	15.25	88.94	295.11	1,772.88	623.13	591.88	31.24	19.944	
7,000.00	6,867.53	6,965.43	6,891.74	19.30	15.34	89.25	291.68	1,769.81	619.66	588.23	31.43	19.716	
7,100.00	6,967.53	7,055.51	6,981.76	19.35	15.44	89.49	289.07	1,767.48	617.04	585.41	31.63	19.508	
7,200.00	7,067.53	7,145.71	7,071.95	19.40	15.50	89.59	288.05	1,766.56	616.01	584.23	31.78	19.383	
7,238.97	7,106.50	7,183.27	7,109.50	19.42	15.50	89.59	288.03	1,766.55	616.00	584.19	31.81	19.365	
7,300.00	7,167.53	7,244.30	7,170.53	19.45	15.52	89.59	288.03	1,766.55	616.00	584.14	31.86	19.335	
7,400.00	7,267.53	7,344.30	7,270.53	19.50	15.56	89.59	288.03	1,766.55	616.00	584.05	31.95	19.281	
7,500.00	7,367.53	7,444.30	7,370.53	19.55	15.60	89.59	288.03	1,766.55	616.00	583.96	32.04	19.226	
7,600.00	7,467.53	7,544.30	7,470.53	19.60	15.64	89.59	288.03	1,766.55	616.00	583.87	32.13	19.172	
7,700.00	7,567.53	7,644.30	7,570.53	19.65	15.68	89.59	288.03	1,766.55	616.00	583.77	32.22	19.118	
7,800.00	7,667.53	7,744.30	7,670.53	19.71	15.72	89.59	288.03	1,766.55	616.00	583.68	32.31	19.063	
7,900.00	7,767.53	7,844.30	7,770.53	19.76	15.76	89.59	288.03	1,766.55	616.00	583.59	32.41	19.009	
8,000.00	7,867.53	7,944.30	7,870.53	19.81	15.80	89.59	288.03	1,766.55	616.00	583.50	32.50	18.955	
8,100.00	7,967.53	8,044.30	7,970.53	19.86	15.84	89.59	288.03	1,766.55	616.00	583.40	32.59	18.900	
8,200.00	8,067.53	8,144.30	8,070.53	19.92	15.88	89.59	288.03	1,766.55	616.00	583.31	32.69	18.846	
8,300.00	8,167.53	8,244.30	8,170.53	19.97	15.92	89.59	288.03	1,766.55	616.00	583.22	32.78	18.792	
8,400.00	8,267.53	8,344.30	8,270.53	20.02	15.97	89.59	288.03	1,766.55	616.00	583.12	32.88	18.737	
8,500.00	8,367.53	8,444.30	8,370.53	20.08	16.01	89.59	288.03	1,766.55	616.00	583.02	32.97	18.683	
8,600.00	8,467.53	8,544.30	8,470.53	20.13	16.05	89.59	288.03	1,766.55	616.00	582.93	33.07	18.628	
8,700.00	8,567.53	8,644.30	8,570.53	20.18	16.09	89.59	288.03	1,766.55	616.00	582.83	33.16	18.574	
8,800.00	8,667.53	8,744.30	8,670.53	20.24	16.14	89.59	288.03	1,766.55	616.00	582.73	33.26	18.520	
8,900.00	8,767.53	8,844.30	8,770.53	20.29	16.18	89.59	288.03	1,766.55	616.00	582.64	33.36	18.465	
9,000.00	8,867.53	8,944.30	8,870.53	20.35	16.23	89.59	288.03	1,766.55	616.00	582.54	33.46	18.411	
9,100.00	8,967.53	9,044.30	8,970.53	20.40	16.27	89.59	288.03	1,766.55	616.00	582.44	33.56	18.357	
9,200.00	9,067.53	9,144.30	9,070.53	20.45	16.32	89.59	288.03	1,766.55	616.00	582.34	33.66	18.303	
9,300.00	9,167.53	9,244.30	9,170.53	20.51	16.36	89.59	288.03	1,766.55	616.00	582.24	33.76	18.249	
9,400.00	9,267.53	9,344.30	9,270.53	20.56	16.41	89.59	288.03	1,766.55	616.00	582.14	33.86	18.195	
9,500.00	9,367.53	9,444.30	9,370.53	20.62	16.45	89.59	288.03	1,766.55	616.00	582.04	33.96	18.141	
9,600.00	9,467.53	9,544.30	9,470.53	20.68	16.50	89.59	288.03	1,766.55	616.00	581.94	34.06	18.087	
9,700.00	9,567.53	9,644.30	9,570.53	20.73	16.54	89.59	288.03	1,766.55	616.00	581.84	34.16	18.033	
9,800.00	9,667.53	9,744.30	9,670.53	20.79	16.59	89.59	288.03	1,766.55	616.00	581.73	34.26	17.979	
9,900.00	9,767.53	9,844.30	9,770.53	20.84	16.64	89.59	288.03	1,766.55	616.00	581.63	34.36	17.925	
10,000.00	9,867.53	9,944.30	9,870.53	20.90	16.68	89.59	288.03	1,766.55	616.00	581.53	34.47	17.871	
10,100.00	9,967.53	10,044.30	9,970.53	20.95	16.73	89.59	288.03	1,766.55	616.00	581.42	34.57	17.818	
10,200.00	10,067.53	10,144.30	10,070.53	21.01	16.78	89.59	288.03	1,766.55	616.00	581.32	34.68	17.764	
10,300.00	10,167.53	10,244.30	10,170.53	21.07	16.83	89.59	288.03	1,766.55	616.00	581.22	34.78	17.711	
10,400.00	10,267.53	10,344.30	10,270.53	21.12	16.87	89.59	288.03	1,766.55	616.00	581.11	34.89	17.658	
10,500.00	10,367.53	10,444.30	10,370.53	21.18	16.92	89.59	288.03	1,766.55	616.00	581.00	34.99	17.604	
10,600.00	10,467.53	10,544.30	10,470.53	21.24	16.97	89.59	288.03	1,766.55	616.00	580.90	35.10	17.551	
10,700.00	10,567.53	10,644.30	10,570.53	21.30	17.02	89.59	288.03	1,766.55	616.00	580.79	35.20	17.498	
10,800.00	10,667.53	10,744.30	10,670.53	21.35	17.07	89.59	288.03	1,766.55	616.00	580.69	35.31	17.445	
10,900.00	10,767.53	10,844.30	10,770.53	21.41	17.12	89.59	288.03	1,766.55	616.00	580.58	35.42	17.393	
11,000.00	10,867.53	10,944.30	10,870.53	21.47	17.17	89.59	288.03	1,766.55	616.00	580.47	35.52	17.340	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,100.00	10,967.53	11,044.30	10,970.53	21.53	17.22	89.59	288.03	1,766.55	616.00	580.36	35.63	17.287	
11,200.00	11,067.53	11,144.30	11,070.53	21.58	17.27	89.59	288.03	1,766.55	616.00	580.25	35.74	17.235	
11,300.00	11,167.53	11,244.30	11,170.53	21.64	17.32	89.59	288.03	1,766.55	616.00	580.15	35.85	17.182	
11,400.00	11,267.53	11,344.30	11,270.53	21.70	17.37	89.59	288.03	1,766.55	616.00	580.04	35.96	17.130	
11,500.00	11,367.53	11,444.30	11,370.53	21.76	17.42	89.59	288.03	1,766.55	616.00	579.93	36.07	17.078	
11,600.00	11,467.53	11,544.30	11,470.53	21.82	17.47	89.59	288.03	1,766.55	616.00	579.82	36.18	17.026	
11,686.47	11,554.00	11,630.77	11,557.00	21.86	17.52	89.59	288.03	1,766.55	616.00	579.73	36.27	16.984	
11,700.00	11,567.53	11,644.30	11,570.53	21.86	17.52	-89.93	288.03	1,766.55	616.00	579.72	36.28	16.981	
11,718.49	11,586.01	11,662.77	11,589.01	21.88	17.53	-90.00	288.03	1,766.55	616.00	579.72	36.28	16.980	CC, ES
11,750.00	11,617.40	11,694.17	11,620.40	21.90	17.55	-90.24	288.03	1,766.55	616.00	579.72	36.28	16.979	
11,800.00	11,666.79	11,743.56	11,669.79	21.93	17.57	-90.94	288.03	1,766.55	616.08	579.82	36.26	16.990	
11,850.00	11,715.32	11,792.09	11,718.32	21.95	17.60	-91.99	288.03	1,766.55	616.40	580.17	36.22	17.016	
11,900.00	11,762.62	11,839.39	11,765.62	21.97	17.62	-93.33	288.03	1,766.55	617.19	581.02	36.18	17.060	
11,950.00	11,808.34	11,885.10	11,811.34	21.99	17.65	-94.88	288.03	1,766.55	618.78	582.65	36.13	17.126	
12,000.00	11,852.12	11,928.88	11,855.12	22.01	17.67	-96.55	288.03	1,766.55	621.53	585.43	36.10	17.217	
12,050.00	11,893.63	11,970.39	11,896.63	22.03	17.69	-98.23	288.03	1,766.55	625.85	589.75	36.10	17.338	
12,100.00	11,932.55	12,009.32	11,935.55	22.05	17.71	-99.82	288.03	1,766.55	632.14	596.00	36.14	17.492	
12,150.00	11,968.60	12,045.36	11,971.60	22.09	17.73	-101.19	288.03	1,766.55	640.81	604.57	36.24	17.682	
12,200.00	12,001.49	12,078.25	12,004.49	22.13	17.75	-102.25	288.03	1,766.55	652.19	615.78	36.41	17.912	
12,250.00	12,030.97	12,107.74	12,033.97	22.19	17.77	-102.90	288.03	1,766.55	666.54	629.89	36.65	18.187	
12,300.00	12,056.82	12,133.59	12,059.82	22.26	17.78	-103.03	288.03	1,766.55	684.02	647.07	36.95	18.511	
12,350.00	12,078.85	12,155.62	12,081.85	22.35	17.79	-102.56	288.03	1,766.55	704.69	667.38	37.31	18.886	
12,400.00	12,096.88	12,173.65	12,099.88	22.47	17.80	-101.41	288.03	1,766.55	728.47	690.76	37.71	19.317	
12,450.00	12,110.78	12,187.55	12,113.78	22.60	17.81	-99.50	288.03	1,766.55	755.19	717.06	38.14	19.803	
12,500.00	12,120.45	12,197.21	12,123.45	22.75	17.81	-96.76	288.03	1,766.55	784.58	746.02	38.57	20.343	
12,550.00	12,125.80	12,202.56	12,128.80	22.93	17.82	-93.17	288.03	1,766.55	816.30	777.30	38.99	20.934	
12,581.47	12,126.94	12,203.70	12,129.94	23.05	17.82	-90.46	288.03	1,766.55	837.27	798.01	39.25	21.329	
12,600.00	12,127.10	12,203.86	12,130.10	23.12	17.82	-90.47	288.03	1,766.55	849.92	810.52	39.40	21.569	
12,700.00	12,127.97	12,204.74	12,130.97	23.56	17.82	-90.56	288.03	1,766.55	921.67	881.51	40.16	22.949	
12,800.00	12,128.84	13,360.35	12,798.81	24.06	23.91	-133.29	-439.76	1,865.36	974.74	925.11	49.62	19.643	
12,900.00	12,129.71	13,493.33	12,799.51	24.61	25.33	-132.99	-572.48	1,873.42	978.30	927.69	50.62	19.328	
13,000.00	12,130.58	13,613.69	12,800.15	25.21	26.65	-132.93	-692.81	1,875.67	978.74	927.11	51.63	18.958	
13,100.00	12,131.46	13,713.69	12,800.67	25.87	27.78	-132.91	-792.81	1,876.58	978.54	925.96	52.58	18.611	
13,200.00	12,132.33	13,813.69	12,801.20	26.56	28.93	-132.89	-892.80	1,877.49	978.33	924.74	53.60	18.253	
13,300.00	12,133.20	13,913.69	12,801.72	27.30	30.10	-132.88	-992.80	1,878.39	978.13	923.45	54.68	17.889	
13,400.00	12,134.07	14,013.69	12,802.25	28.08	31.28	-132.86	-1,092.79	1,879.30	977.93	922.11	55.82	17.519	
13,500.00	12,134.94	14,113.69	12,802.78	28.90	32.47	-132.84	-1,192.78	1,880.21	977.73	920.71	57.02	17.148	
13,600.00	12,135.81	14,213.69	12,803.30	29.75	33.68	-132.83	-1,292.78	1,881.11	977.53	919.26	58.27	16.777	
13,700.00	12,136.69	14,313.69	12,803.83	30.63	34.90	-132.81	-1,392.77	1,882.02	977.32	917.76	59.57	16.407	
13,800.00	12,137.56	14,413.69	12,804.35	31.55	36.13	-132.79	-1,492.77	1,882.93	977.12	916.21	60.91	16.042	
13,900.00	12,138.43	14,513.69	12,804.88	32.50	37.37	-132.78	-1,592.76	1,883.83	976.92	914.62	62.30	15.680	
14,000.00	12,139.30	14,613.69	12,805.40	33.47	38.62	-132.76	-1,692.75	1,884.74	976.72	912.99	63.73	15.325	
14,100.00	12,140.17	14,713.69	12,805.93	34.47	39.88	-132.74	-1,792.75	1,885.65	976.52	911.32	65.20	14.977	
14,200.00	12,141.04	14,813.69	12,806.46	35.49	41.14	-132.73	-1,892.74	1,886.55	976.32	909.61	66.71	14.635	
14,300.00	12,141.92	14,913.69	12,806.98	36.53	42.41	-132.71	-1,992.74	1,887.46	976.12	907.87	68.25	14.302	
14,400.00	12,142.79	15,013.69	12,807.51	37.59	43.69	-132.69	-2,092.73	1,888.37	975.92	906.09	69.82	13.977	
14,500.00	12,143.66	15,113.68	12,808.03	38.67	44.97	-132.68	-2,192.72	1,889.27	975.71	904.29	71.42	13.661	
14,600.00	12,144.53	15,213.68	12,808.56	39.77	46.25	-132.66	-2,292.72	1,890.18	975.51	902.46	73.05	13.354	
14,700.00	12,145.40	15,313.68	12,809.08	40.88	47.54	-132.64	-2,392.71	1,891.09	975.31	900.61	74.71	13.055	
14,800.00	12,146.27	15,413.68	12,809.61	42.01	48.84	-132.63	-2,492.70	1,892.00	975.11	898.73	76.39	12.766	
14,900.00	12,147.14	15,513.68	12,810.14	43.15	50.14	-132.61	-2,592.70	1,892.90	974.91	896.82	78.09	12.485	
15,000.00	12,148.02	15,613.68	12,810.66	44.31	51.44	-132.59	-2,692.69	1,893.81	974.71	894.90	79.81	12.213	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,100.00	12,148.89	15,713.68	12,811.19	45.47	52.74	-132.57	-2,792.69	1,894.72	974.51	892.96	81.55	11.949	
15,200.00	12,149.76	15,813.68	12,811.71	46.65	54.05	-132.56	-2,892.68	1,895.62	974.31	890.99	83.32	11.694	
15,300.00	12,150.63	15,913.68	12,812.24	47.83	55.36	-132.54	-2,992.67	1,896.53	974.11	889.01	85.10	11.447	
15,400.00	12,151.50	16,013.68	12,812.77	49.03	56.68	-132.52	-3,092.67	1,897.44	973.91	887.01	86.89	11.208	
15,500.00	12,152.37	16,113.68	12,813.29	50.23	57.99	-132.51	-3,192.66	1,898.34	973.71	885.00	88.71	10.977	
15,600.00	12,153.25	16,213.68	12,813.82	51.45	59.31	-132.49	-3,292.66	1,899.25	973.51	882.97	90.53	10.753	
15,700.00	12,154.12	16,313.68	12,814.34	52.67	60.63	-132.47	-3,392.65	1,900.16	973.31	880.93	92.38	10.536	
15,800.00	12,154.99	16,413.68	12,814.87	53.89	61.95	-132.46	-3,492.64	1,901.06	973.11	878.88	94.23	10.327	
15,900.00	12,155.86	16,513.68	12,815.39	55.13	63.28	-132.44	-3,592.64	1,901.97	972.91	876.81	96.10	10.124	
16,000.00	12,156.73	16,613.68	12,815.92	56.37	64.61	-132.42	-3,692.63	1,902.88	972.71	874.73	97.98	9.928	
16,100.00	12,157.60	16,713.67	12,816.45	57.61	65.93	-132.41	-3,792.63	1,903.78	972.51	872.64	99.87	9.738	
16,200.00	12,158.48	16,813.67	12,816.97	58.86	67.26	-132.39	-3,892.62	1,904.69	972.31	870.54	101.77	9.554	
16,300.00	12,159.35	16,913.67	12,817.50	60.12	68.60	-132.37	-3,992.61	1,905.60	972.11	868.43	103.68	9.376	
16,400.00	12,160.22	17,013.67	12,818.02	61.38	69.93	-132.36	-4,092.61	1,906.50	971.91	866.31	105.60	9.204	
16,500.00	12,161.09	17,113.67	12,818.55	62.65	71.26	-132.34	-4,192.60	1,907.41	971.71	864.18	107.53	9.037	
16,600.00	12,161.96	17,213.67	12,819.07	63.92	72.60	-132.32	-4,292.59	1,908.32	971.51	862.05	109.47	8.875	
16,700.00	12,162.83	17,313.67	12,819.60	65.19	73.93	-132.31	-4,392.59	1,909.22	971.31	859.90	111.41	8.718	
16,800.00	12,163.71	17,413.67	12,820.13	66.47	75.27	-132.29	-4,492.58	1,910.13	971.11	857.75	113.37	8.566	
16,900.00	12,164.58	17,513.67	12,820.65	67.75	76.61	-132.27	-4,592.58	1,911.04	970.92	855.59	115.33	8.419	
17,000.00	12,165.45	17,613.67	12,821.18	69.04	77.95	-132.25	-4,692.57	1,911.95	970.72	853.42	117.30	8.276	
17,100.00	12,166.32	17,713.67	12,821.70	70.32	79.29	-132.24	-4,792.56	1,912.85	970.52	851.24	119.28	8.137	
17,200.00	12,167.19	17,813.67	12,822.23	71.61	80.63	-132.22	-4,892.56	1,913.76	970.32	849.06	121.26	8.002	
17,300.00	12,168.06	17,913.67	12,822.76	72.91	81.98	-132.20	-4,992.55	1,914.67	970.12	846.87	123.25	7.871	
17,400.00	12,168.94	18,013.67	12,823.28	74.21	83.32	-132.19	-5,092.55	1,915.57	969.92	844.68	125.24	7.744	
17,500.00	12,169.81	18,113.67	12,823.81	75.50	84.67	-132.17	-5,192.54	1,916.48	969.72	842.48	127.24	7.621	
17,600.00	12,170.68	18,213.67	12,824.33	76.81	86.01	-132.15	-5,292.53	1,917.39	969.53	840.28	129.25	7.501	
17,700.00	12,171.55	18,313.67	12,824.86	78.11	87.36	-132.14	-5,392.53	1,918.29	969.33	838.07	131.26	7.385	
17,800.00	12,172.42	18,413.66	12,825.38	79.42	88.70	-132.12	-5,492.52	1,919.20	969.13	835.85	133.28	7.272	
17,900.00	12,173.29	18,513.66	12,825.91	80.72	90.05	-132.10	-5,592.52	1,920.11	968.93	833.63	135.30	7.161	
18,000.00	12,174.17	18,613.66	12,826.44	82.03	91.40	-132.09	-5,692.51	1,921.01	968.73	831.41	137.33	7.054	
18,100.00	12,175.04	18,713.66	12,826.96	83.35	92.75	-132.07	-5,792.50	1,921.92	968.53	829.18	139.36	6.950	
18,200.00	12,175.91	18,813.66	12,827.49	84.66	94.10	-132.05	-5,892.50	1,922.83	968.34	826.94	141.39	6.849	
18,300.00	12,176.78	18,913.66	12,828.01	85.98	95.45	-132.03	-5,992.49	1,923.73	968.14	824.71	143.43	6.750	
18,400.00	12,177.65	19,013.66	12,828.54	87.29	96.80	-132.02	-6,092.48	1,924.64	967.94	822.47	145.48	6.654	
18,500.00	12,178.52	19,113.66	12,829.06	88.61	98.15	-132.00	-6,192.48	1,925.55	967.74	820.22	147.52	6.560	
18,600.00	12,179.39	19,213.66	12,829.59	89.93	99.50	-131.98	-6,292.47	1,926.45	967.55	817.97	149.58	6.469	
18,700.00	12,180.27	19,313.66	12,830.12	91.26	100.85	-131.97	-6,392.47	1,927.36	967.35	815.72	151.63	6.380	
18,800.00	12,181.14	19,413.66	12,830.64	92.58	102.20	-131.95	-6,492.46	1,928.27	967.15	813.46	153.69	6.293	
18,900.00	12,182.01	19,513.66	12,831.17	93.90	103.56	-131.93	-6,592.45	1,929.18	966.95	811.20	155.75	6.208	
19,000.00	12,182.88	19,613.66	12,831.69	95.23	104.91	-131.92	-6,692.45	1,930.08	966.76	808.94	157.82	6.126	
19,100.00	12,183.75	19,713.66	12,832.22	96.56	106.26	-131.90	-6,792.44	1,930.99	966.56	806.67	159.89	6.045	
19,200.00	12,184.62	19,813.66	12,832.75	97.89	107.62	-131.88	-6,892.44	1,931.90	966.36	804.40	161.96	5.967	
19,300.00	12,185.50	19,913.66	12,833.27	99.22	108.97	-131.86	-6,992.43	1,932.80	966.17	802.13	164.04	5.890	
19,400.00	12,186.37	20,013.65	12,833.80	100.55	110.33	-131.85	-7,092.42	1,933.71	965.97	799.85	166.12	5.815	
19,500.00	12,187.24	20,113.65	12,834.32	101.88	111.68	-131.83	-7,192.42	1,934.62	965.77	797.57	168.20	5.742	
19,600.00	12,188.11	20,213.65	12,834.85	103.21	113.04	-131.81	-7,292.41	1,935.52	965.58	795.29	170.29	5.670	
19,700.00	12,188.98	20,313.65	12,835.37	104.54	114.39	-131.80	-7,392.41	1,936.43	965.38	793.00	172.38	5.600	
19,800.00	12,189.85	20,413.65	12,835.90	105.88	115.75	-131.78	-7,492.40	1,937.34	965.18	790.72	174.47	5.532	
19,900.00	12,190.73	20,513.65	12,836.43	107.21	117.11	-131.76	-7,592.39	1,938.24	964.99	788.43	176.56	5.465	
20,000.00	12,191.60	20,613.65	12,836.95	108.55	118.46	-131.74	-7,692.39	1,939.15	964.79	786.13	178.66	5.400	
20,100.00	12,192.47	20,713.65	12,837.48	109.89	119.82	-131.73	-7,792.38	1,940.06	964.59	783.84	180.76	5.336	
20,200.00	12,193.34	20,813.65	12,838.00	111.23	121.18	-131.71	-7,892.38	1,940.96	964.40	781.54	182.86	5.274	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,300.00	12,194.21	20,913.65	12,838.53	112.56	122.53	-131.69	-7,992.37	1,941.87	964.20	779.24	184.96	5.213	
20,400.00	12,195.08	21,013.65	12,839.05	113.90	123.89	-131.68	-8,092.36	1,942.78	964.01	776.94	187.07	5.153	
20,500.00	12,195.96	21,113.65	12,839.58	115.24	125.25	-131.66	-8,192.36	1,943.68	963.81	774.63	189.18	5.095	
20,600.00	12,196.83	21,213.65	12,840.11	116.58	126.61	-131.64	-8,292.35	1,944.59	963.61	772.32	191.29	5.037	
20,700.00	12,197.70	21,313.65	12,840.63	117.93	127.97	-131.62	-8,392.34	1,945.50	963.42	770.02	193.40	4.981	
20,800.00	12,198.57	21,413.65	12,841.16	119.27	129.33	-131.61	-8,492.34	1,946.40	963.22	767.70	195.52	4.927	
20,900.00	12,199.44	21,513.65	12,841.68	120.61	130.68	-131.59	-8,592.33	1,947.31	963.03	765.39	197.64	4.873	
21,000.00	12,200.31	21,613.65	12,842.21	121.95	132.04	-131.57	-8,692.33	1,948.22	962.83	763.07	199.76	4.820	
21,100.00	12,201.19	21,713.64	12,842.74	123.30	133.40	-131.56	-8,792.32	1,949.13	962.64	760.76	201.88	4.768	
21,200.00	12,202.06	21,813.64	12,843.26	124.64	134.76	-131.54	-8,892.31	1,950.03	962.44	758.44	204.00	4.718	
21,300.00	12,202.93	21,913.64	12,843.79	125.99	136.12	-131.52	-8,992.31	1,950.94	962.25	756.12	206.13	4.668	
21,400.00	12,203.80	22,013.64	12,844.31	127.33	137.48	-131.50	-9,092.30	1,951.85	962.05	753.79	208.26	4.620	
21,500.00	12,204.67	22,113.64	12,844.84	128.68	138.84	-131.49	-9,192.30	1,952.75	961.86	751.47	210.39	4.572	
21,600.00	12,205.54	22,213.64	12,845.36	130.03	140.20	-131.47	-9,292.29	1,953.66	961.66	749.14	212.52	4.525	
21,700.00	12,206.41	22,313.64	12,845.89	131.37	141.56	-131.45	-9,392.28	1,954.57	961.47	746.81	214.66	4.479	
21,800.00	12,207.29	22,413.64	12,846.42	132.72	142.92	-131.43	-9,492.28	1,955.47	961.27	744.48	216.79	4.434	
21,900.00	12,208.16	22,513.64	12,846.94	134.07	144.29	-131.42	-9,592.27	1,956.38	961.08	742.15	218.93	4.390	
22,000.00	12,209.03	22,613.64	12,847.47	135.42	145.65	-131.40	-9,692.27	1,957.29	960.88	739.81	221.07	4.346	
22,100.00	12,209.90	22,713.64	12,847.99	136.77	147.01	-131.38	-9,792.26	1,958.19	960.69	737.47	223.21	4.304	
22,200.00	12,210.77	22,813.64	12,848.52	138.12	148.37	-131.37	-9,892.25	1,959.10	960.49	735.14	225.36	4.262	
22,300.00	12,211.64	22,913.64	12,849.04	139.47	149.73	-131.35	-9,992.25	1,960.01	960.30	732.80	227.50	4.221	
22,400.00	12,212.52	23,013.64	12,849.57	140.82	151.09	-131.33	-10,092.24	1,960.91	960.10	730.45	229.65	4.181	
22,500.00	12,213.39	23,113.64	12,850.10	142.17	152.45	-131.31	-10,192.23	1,961.82	959.91	728.11	231.80	4.141	
22,512.90	12,213.50	23,126.53	12,850.16	142.34	152.63	-131.31	-10,205.13	1,961.94	959.88	727.81	232.07	4.136	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 224H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	72.73	721.00	2,319.00	2,428.50				
100.00	100.00	100.00	100.00	0.98	0.98	72.73	721.00	2,319.00	2,428.50	2,426.54	1.96	1,237.650	
200.00	200.00	200.00	200.00	1.56	1.56	72.73	721.00	2,319.00	2,428.50	2,425.38	3.12	777.804	
300.00	300.00	300.00	300.00	1.98	1.98	72.73	721.00	2,319.00	2,428.50	2,424.54	3.96	612.898	
400.00	399.99	363.89	363.89	2.41	2.25	-3.42	720.91	2,319.53	2,427.93	2,423.28	4.66	521.453	
500.00	499.91	427.78	427.76	2.78	2.51	-3.40	720.63	2,321.10	2,426.25	2,420.98	5.27	460.482	
600.00	599.69	500.00	499.91	3.12	2.78	-3.38	720.09	2,324.16	2,423.45	2,417.60	5.86	413.845	
633.33	632.91	500.00	499.91	3.15	2.78	-3.38	720.09	2,324.16	2,422.30	2,416.41	5.88	411.706	
700.00	699.32	555.56	555.36	3.25	2.96	-3.35	719.52	2,327.42	2,420.07	2,413.91	6.17	392.459	
800.00	798.94	619.47	619.09	3.50	3.13	-3.31	718.68	2,332.15	2,418.06	2,411.49	6.57	367.973	
900.00	898.56	711.59	710.87	3.74	3.27	-3.23	717.29	2,340.03	2,417.08	2,410.12	6.96	347.399	
1,000.00	998.18	811.52	810.42	3.97	3.52	-3.15	715.78	2,348.61	2,416.14	2,408.70	7.44	324.728	
1,100.00	1,097.80	911.46	909.98	4.20	3.75	-3.07	714.27	2,357.19	2,415.21	2,407.30	7.91	305.368	
1,200.00	1,197.42	1,011.39	1,009.53	4.42	3.98	-2.98	712.75	2,365.76	2,414.28	2,405.92	8.37	288.589	
1,300.00	1,297.04	1,111.33	1,109.09	4.64	4.21	-2.90	711.24	2,374.34	2,413.36	2,404.55	8.81	273.861	
1,400.00	1,396.66	1,211.26	1,208.64	4.86	4.43	-2.82	709.73	2,382.92	2,412.45	2,403.20	9.25	260.796	
1,500.00	1,496.28	1,311.20	1,308.20	5.07	4.65	-2.74	708.22	2,391.50	2,411.53	2,401.85	9.68	249.103	
1,600.00	1,595.90	1,411.13	1,407.75	5.28	4.86	-2.65	706.70	2,400.07	2,410.63	2,400.52	10.10	238.558	
1,700.00	1,695.52	1,511.07	1,507.31	5.48	5.07	-2.57	705.19	2,408.65	2,409.73	2,399.20	10.52	228.986	
1,800.00	1,795.14	1,611.00	1,606.86	5.69	5.28	-2.49	703.68	2,417.23	2,408.83	2,397.89	10.94	220.228	
1,900.00	1,894.76	1,704.50	1,700.00	5.89	5.48	-2.41	702.26	2,425.25	2,407.95	2,396.60	11.34	212.301	
2,000.00	1,994.38	1,800.00	1,795.05	6.09	5.68	-2.30	699.87	2,434.16	2,407.50	2,395.76	11.74	205.141	
2,010.37	2,004.70	1,800.00	1,795.05	6.11	5.68	-2.30	699.87	2,434.16	2,407.48	2,395.72	11.76	204.790	
2,100.00	2,094.00	1,872.86	1,867.43	6.29	5.84	-2.19	696.75	2,441.92	2,407.79	2,395.70	12.09	199.155	
2,200.00	2,193.62	1,954.06	1,947.91	6.50	6.02	-2.02	691.98	2,451.53	2,408.89	2,396.42	12.47	193.124	
2,206.41	2,200.00	1,959.25	1,953.05	6.52	6.03	-2.01	691.63	2,452.18	2,408.99	2,396.49	12.50	192.753	
2,300.00	2,293.13	2,039.23	2,032.11	6.72	6.18	-1.81	685.55	2,462.67	2,409.63	2,396.78	12.84	187.612	
2,400.00	2,392.34	2,138.61	2,130.26	6.95	6.37	-1.55	677.57	2,476.01	2,408.03	2,394.76	13.27	181.490	
2,500.00	2,491.20	2,237.92	2,228.35	7.18	6.57	-1.30	669.60	2,489.35	2,403.86	2,390.15	13.71	175.323	
2,600.00	2,589.63	2,337.10	2,326.31	7.41	6.77	-1.04	661.64	2,502.67	2,397.13	2,382.97	14.16	169.340	
2,700.00	2,687.57	2,436.08	2,424.07	7.65	6.97	-0.78	653.69	2,515.96	2,387.84	2,373.23	14.60	163.531	
2,800.00	2,784.94	2,534.78	2,521.56	7.88	7.18	-0.53	645.77	2,529.22	2,375.99	2,360.94	15.05	157.886	
2,873.30	2,855.92	2,606.92	2,592.81	8.02	7.33	-0.34	639.98	2,538.91	2,365.69	2,350.35	15.34	154.172	
2,900.00	2,881.71	2,633.16	2,618.72	8.06	7.38	-0.27	637.87	2,542.43	2,361.69	2,346.25	15.44	152.955	
3,000.00	2,978.30	2,731.44	2,715.79	8.28	7.58	0.00	629.98	2,555.63	2,346.75	2,330.88	15.86	147.929	
3,100.00	3,074.89	2,829.72	2,812.86	8.49	7.79	0.27	622.09	2,568.83	2,331.85	2,315.56	16.29	143.156	
3,200.00	3,171.49	2,928.00	2,909.93	8.71	7.99	0.54	614.21	2,582.03	2,317.01	2,300.29	16.72	138.616	
3,300.00	3,268.08	3,026.28	3,007.00	8.93	8.19	0.82	606.32	2,595.23	2,302.22	2,285.08	17.14	134.309	
3,400.00	3,364.67	3,124.56	3,104.07	9.16	8.40	1.10	598.43	2,608.42	2,287.48	2,269.91	17.57	130.200	
3,500.00	3,461.26	3,222.84	3,201.14	9.42	8.60	1.38	590.54	2,621.62	2,272.80	2,254.80	18.00	126.283	
3,600.00	3,557.85	3,321.12	3,298.21	9.70	8.81	1.66	582.65	2,634.82	2,258.17	2,239.74	18.43	122.548	
3,700.00	3,654.44	3,419.40	3,395.28	10.00	9.02	1.95	574.76	2,648.02	2,243.60	2,224.74	18.86	118.981	
3,800.00	3,751.03	3,517.68	3,492.35	10.30	9.22	2.25	566.87	2,661.22	2,229.09	2,209.80	19.29	115.572	
3,900.00	3,847.62	3,615.96	3,589.42	10.61	9.43	2.55	558.98	2,674.42	2,214.63	2,194.91	19.72	112.312	
4,000.00	3,944.21	3,714.24	3,686.49	10.93	9.64	2.85	551.10	2,687.62	2,200.24	2,180.09	20.15	109.192	
4,100.00	4,040.80	3,812.52	3,783.56	11.25	9.85	3.15	543.21	2,700.81	2,185.90	2,165.32	20.58	106.203	
4,200.00	4,137.40	3,910.80	3,880.63	11.57	10.06	3.46	535.32	2,714.01	2,171.63	2,150.62	21.02	103.337	
4,300.00	4,233.99	4,009.08	3,977.70	11.89	10.28	3.78	527.43	2,727.21	2,157.43	2,135.98	21.45	100.588	
4,400.00	4,330.58	4,107.36	4,074.77	12.21	10.49	4.09	519.54	2,740.41	2,143.29	2,121.40	21.88	97.949	
4,500.00	4,427.17	4,205.64	4,171.84	12.54	10.70	4.41	511.65	2,753.61	2,129.21	2,106.89	22.32	95.414	
4,600.00	4,523.76	4,303.92	4,268.91	12.87	10.92	4.74	503.76	2,766.81	2,115.20	2,092.45	22.75	92.977	
4,700.00	4,620.35	4,402.20	4,365.98	13.20	11.13	5.07	495.87	2,780.00	2,101.26	2,078.08	23.18	90.632	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 224H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,716.94	4,500.48	4,463.04	13.53	11.35	5.40	487.99	2,793.20	2,087.40	2,063.78	23.62	88.376	
4,900.00	4,813.53	4,598.76	4,560.11	13.86	11.56	5.74	480.10	2,806.40	2,073.60	2,049.54	24.06	86.202	
5,000.00	4,910.12	4,697.04	4,657.18	14.19	11.78	6.09	472.21	2,819.60	2,059.87	2,035.38	24.49	84.108	
5,100.00	5,006.72	4,795.32	4,754.25	14.53	11.99	6.43	464.32	2,832.80	2,046.23	2,021.30	24.93	82.089	
5,200.00	5,103.31	4,893.60	4,851.32	14.86	12.21	6.79	456.43	2,846.00	2,032.65	2,007.29	25.36	80.140	
5,300.00	5,199.90	4,991.88	4,948.39	15.20	12.43	7.14	448.54	2,859.20	2,019.16	1,993.36	25.80	78.260	
5,400.00	5,296.49	5,090.16	5,045.46	15.53	12.65	7.50	440.65	2,872.39	2,005.74	1,979.50	26.24	76.444	
5,500.00	5,393.08	5,188.44	5,142.53	15.87	12.86	7.87	432.76	2,885.59	1,992.41	1,965.73	26.68	74.689	
5,600.00	5,489.67	5,286.72	5,239.60	16.21	13.08	8.24	424.88	2,898.79	1,979.15	1,952.04	27.11	72.993	
5,700.00	5,586.26	5,384.99	5,336.67	16.55	13.30	8.62	416.99	2,911.99	1,965.99	1,938.43	27.55	71.353	
5,800.00	5,682.85	5,483.27	5,433.74	16.89	13.52	9.00	409.10	2,925.19	1,952.90	1,924.91	27.99	69.766	
5,900.00	5,779.44	5,581.55	5,530.81	17.23	13.74	9.39	401.21	2,938.39	1,939.91	1,911.48	28.43	68.229	
5,915.24	5,794.17	5,596.54	5,545.61	17.27	13.77	9.45	400.01	2,940.40	1,937.94	1,909.44	28.49	68.014	
6,000.00	5,876.27	5,679.97	5,628.01	17.54	13.96	9.75	393.31	2,951.60	1,927.92	1,899.06	28.86	66.796	
6,100.00	5,973.71	5,778.71	5,725.53	17.85	14.18	10.10	385.38	2,964.86	1,918.56	1,889.25	29.31	65.459	
6,200.00	6,071.71	5,877.71	5,823.31	18.12	14.40	10.45	377.44	2,978.16	1,911.85	1,882.10	29.75	64.264	
6,300.00	6,170.19	5,976.91	5,921.29	18.37	14.62	10.80	369.47	2,991.48	1,907.78	1,877.60	30.18	63.205	
6,400.00	6,269.10	6,076.23	6,019.39	18.59	14.85	11.14	361.50	3,004.82	1,906.36	1,875.75	30.61	62.278	
6,403.92	6,272.98	6,080.12	6,023.24	18.60	14.85	11.15	361.19	3,005.34	1,906.36	1,875.73	30.63	62.245	CC
6,500.00	6,368.35	6,175.62	6,117.55	18.78	15.07	11.47	353.52	3,018.17	1,907.57	1,876.55	31.03	61.480	
6,600.00	6,467.89	6,274.99	6,215.71	18.94	15.29	11.79	345.55	3,031.51	1,911.41	1,879.98	31.43	60.808	
6,700.00	6,567.65	6,374.29	6,313.78	19.07	15.51	12.11	337.58	3,044.85	1,917.86	1,886.03	31.83	60.259	
6,800.00	6,667.55	6,473.45	6,411.72	19.18	15.74	12.41	329.62	3,058.16	1,926.91	1,894.71	32.20	59.833	
6,900.00	6,767.53	6,573.97	6,511.00	19.26	15.95	12.71	321.55	3,071.66	1,938.55	1,906.00	32.54	59.565	
6,915.47	6,783.00	6,600.90	6,537.62	19.26	16.00	88.93	319.45	3,075.18	1,940.52	1,907.92	32.60	59.531	
7,000.00	6,867.53	6,748.98	6,684.45	19.30	16.30	89.23	309.62	3,091.62	1,949.84	1,916.92	32.91	59.244	
7,100.00	6,967.53	6,925.78	6,860.56	19.35	16.59	89.47	301.73	3,104.83	1,957.27	1,924.04	33.23	58.895	
7,200.00	7,067.53	7,103.63	7,038.25	19.40	16.81	89.58	298.01	3,111.05	1,960.75	1,927.28	33.47	58.574	
7,300.00	7,167.53	7,232.92	7,167.53	19.45	16.85	89.59	297.71	3,111.55	1,961.03	1,927.49	33.54	58.469	
7,400.00	7,267.53	7,332.92	7,267.53	19.50	16.89	89.59	297.71	3,111.55	1,961.03	1,927.41	33.62	58.322	
7,500.00	7,367.53	7,432.92	7,367.53	19.55	16.92	89.59	297.71	3,111.55	1,961.03	1,927.32	33.71	58.175	
7,600.00	7,467.53	7,532.92	7,467.53	19.60	16.96	89.59	297.71	3,111.55	1,961.03	1,927.24	33.79	58.029	
7,700.00	7,567.53	7,632.92	7,567.53	19.65	16.99	89.59	297.71	3,111.55	1,961.03	1,927.15	33.88	57.881	
7,800.00	7,667.53	7,732.92	7,667.53	19.71	17.03	89.59	297.71	3,111.55	1,961.03	1,927.06	33.97	57.734	
7,900.00	7,767.53	7,832.92	7,767.53	19.76	17.06	89.59	297.71	3,111.55	1,961.03	1,926.98	34.05	57.586	
8,000.00	7,867.53	7,932.92	7,867.53	19.81	17.10	89.59	297.71	3,111.55	1,961.03	1,926.89	34.14	57.439	
8,100.00	7,967.53	8,032.92	7,967.53	19.86	17.14	89.59	297.71	3,111.55	1,961.03	1,926.80	34.23	57.291	
8,200.00	8,067.53	8,132.92	8,067.53	19.92	17.17	89.59	297.71	3,111.55	1,961.03	1,926.71	34.32	57.143	
8,300.00	8,167.53	8,232.92	8,167.53	19.97	17.21	89.59	297.71	3,111.55	1,961.03	1,926.62	34.41	56.995	
8,400.00	8,267.53	8,332.92	8,267.53	20.02	17.25	89.59	297.71	3,111.55	1,961.03	1,926.53	34.50	56.846	
8,500.00	8,367.53	8,432.92	8,367.53	20.08	17.29	89.59	297.71	3,111.55	1,961.03	1,926.44	34.59	56.698	
8,600.00	8,467.53	8,532.92	8,467.53	20.13	17.33	89.59	297.71	3,111.55	1,961.03	1,926.35	34.68	56.550	
8,700.00	8,567.53	8,632.92	8,567.53	20.18	17.36	89.59	297.71	3,111.55	1,961.03	1,926.26	34.77	56.401	
8,800.00	8,667.53	8,732.92	8,667.53	20.24	17.40	89.59	297.71	3,111.55	1,961.03	1,926.17	34.86	56.253	
8,900.00	8,767.53	8,832.92	8,767.53	20.29	17.44	89.59	297.71	3,111.55	1,961.03	1,926.08	34.95	56.104	
9,000.00	8,867.53	8,932.92	8,867.53	20.35	17.48	89.59	297.71	3,111.55	1,961.03	1,925.98	35.05	55.955	
9,100.00	8,967.53	9,032.92	8,967.53	20.40	17.52	89.59	297.71	3,111.55	1,961.03	1,925.89	35.14	55.807	
9,200.00	9,067.53	9,132.92	9,067.53	20.45	17.56	89.59	297.71	3,111.55	1,961.03	1,925.80	35.23	55.658	
9,300.00	9,167.53	9,232.92	9,167.53	20.51	17.60	89.59	297.71	3,111.55	1,961.03	1,925.70	35.33	55.509	
9,400.00	9,267.53	9,332.92	9,267.53	20.56	17.64	89.59	297.71	3,111.55	1,961.03	1,925.61	35.42	55.361	
9,500.00	9,367.53	9,432.92	9,367.53	20.62	17.69	89.59	297.71	3,111.55	1,961.03	1,925.51	35.52	55.212	
9,600.00	9,467.53	9,532.92	9,467.53	20.68	17.73	89.59	297.71	3,111.55	1,961.03	1,925.42	35.61	55.064	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 224H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,567.53	9,632.92	9,567.53	20.73	17.77	89.59	297.71	3,111.55	1,961.03	1,925.32	35.71	54.915	
9,800.00	9,667.53	9,732.92	9,667.53	20.79	17.81	89.59	297.71	3,111.55	1,961.03	1,925.22	35.81	54.767	
9,900.00	9,767.53	9,832.92	9,767.53	20.84	17.85	89.59	297.71	3,111.55	1,961.03	1,925.13	35.90	54.618	
10,000.00	9,867.53	9,932.92	9,867.53	20.90	17.90	89.59	297.71	3,111.55	1,961.03	1,925.03	36.00	54.470	
10,100.00	9,967.53	10,032.92	9,967.53	20.95	17.94	89.59	297.71	3,111.55	1,961.03	1,924.93	36.10	54.322	
10,200.00	10,067.53	10,132.92	10,067.53	21.01	17.98	89.59	297.71	3,111.55	1,961.03	1,924.83	36.20	54.174	
10,300.00	10,167.53	10,232.92	10,167.53	21.07	18.03	89.59	297.71	3,111.55	1,961.03	1,924.73	36.30	54.026	
10,400.00	10,267.53	10,332.92	10,267.53	21.12	18.07	89.59	297.71	3,111.55	1,961.03	1,924.63	36.40	53.878	
10,500.00	10,367.53	10,432.92	10,367.53	21.18	18.11	89.59	297.71	3,111.55	1,961.03	1,924.53	36.50	53.730	
10,600.00	10,467.53	10,532.92	10,467.53	21.24	18.16	89.59	297.71	3,111.55	1,961.03	1,924.43	36.60	53.583	
10,700.00	10,567.53	10,632.92	10,567.53	21.30	18.20	89.59	297.71	3,111.55	1,961.03	1,924.33	36.70	53.436	
10,800.00	10,667.53	10,732.92	10,667.53	21.35	18.25	89.59	297.71	3,111.55	1,961.03	1,924.23	36.80	53.288	
10,900.00	10,767.53	10,832.92	10,767.53	21.41	18.29	89.59	297.71	3,111.55	1,961.03	1,924.13	36.90	53.141	
11,000.00	10,867.53	10,932.92	10,867.53	21.47	18.34	89.59	297.71	3,111.55	1,961.03	1,924.03	37.00	52.994	
11,100.00	10,967.53	11,032.92	10,967.53	21.53	18.39	89.59	297.71	3,111.55	1,961.03	1,923.92	37.11	52.848	
11,200.00	11,067.53	11,132.92	11,067.53	21.58	18.43	89.59	297.71	3,111.55	1,961.03	1,923.82	37.21	52.701	
11,300.00	11,167.53	11,232.92	11,167.53	21.64	18.48	89.59	297.71	3,111.55	1,961.03	1,923.72	37.31	52.555	
11,400.00	11,267.53	11,332.92	11,267.53	21.70	18.53	89.59	297.71	3,111.55	1,961.03	1,923.61	37.42	52.409	
11,500.00	11,367.53	11,432.92	11,367.53	21.76	18.57	89.59	297.71	3,111.55	1,961.03	1,923.51	37.52	52.263	
11,600.00	11,467.53	11,532.92	11,467.53	21.82	18.62	89.59	297.71	3,111.55	1,961.03	1,923.40	37.63	52.118	
11,686.47	11,554.00	11,619.39	11,554.00	21.86	18.66	89.59	297.71	3,111.55	1,961.03	1,923.32	37.71	52.001	
11,700.00	11,567.53	11,632.92	11,567.53	21.86	18.67	-89.92	297.71	3,111.55	1,961.03	1,923.31	37.72	51.992	
11,743.15	11,610.59	11,675.98	11,610.59	21.89	18.69	-90.00	297.71	3,111.55	1,961.03	1,923.30	37.73	51.980	
11,750.00	11,617.40	11,682.79	11,617.40	21.90	18.69	-90.02	297.71	3,111.55	1,961.03	1,923.30	37.73	51.978	
11,800.00	11,666.79	11,732.18	11,666.79	21.93	18.72	-90.24	297.71	3,111.55	1,961.05	1,923.32	37.73	51.979	
11,850.00	11,715.32	11,780.71	11,715.32	21.95	18.74	-90.57	297.71	3,111.55	1,961.13	1,923.42	37.72	51.995	
11,900.00	11,762.62	11,828.01	11,762.62	21.97	18.76	-90.99	297.71	3,111.55	1,961.37	1,923.67	37.70	52.025	
11,950.00	11,808.34	11,873.73	11,808.34	21.99	18.78	-91.49	297.71	3,111.55	1,961.85	1,924.17	37.68	52.065	
12,000.00	11,852.12	11,917.51	11,852.12	22.01	18.80	-92.02	297.71	3,111.55	1,962.70	1,925.03	37.66	52.113	
12,050.00	11,893.63	11,959.02	11,893.63	22.03	18.82	-92.56	297.71	3,111.55	1,964.04	1,926.39	37.65	52.163	
12,100.00	11,932.55	11,997.94	11,932.55	22.05	18.84	-93.07	297.71	3,111.55	1,966.02	1,928.37	37.66	52.211	
12,150.00	11,968.60	12,033.99	11,968.60	22.09	18.86	-93.52	297.71	3,111.55	1,968.79	1,931.11	37.68	52.250	
12,200.00	12,001.49	12,066.87	12,001.49	22.13	18.88	-93.87	297.71	3,111.55	1,972.49	1,934.76	37.73	52.275	
12,250.00	12,030.97	12,096.36	12,030.97	22.19	18.89	-94.08	297.71	3,111.55	1,977.24	1,939.42	37.82	52.282	
12,300.00	12,056.82	12,122.21	12,056.82	22.26	18.90	-94.13	297.71	3,111.55	1,983.16	1,945.22	37.94	52.265	
12,350.00	12,078.85	12,144.24	12,078.85	22.35	18.91	-93.98	297.71	3,111.55	1,990.34	1,952.23	38.11	52.223	
12,400.00	12,096.88	12,162.27	12,096.88	22.47	18.92	-93.61	297.71	3,111.55	1,998.84	1,960.52	38.32	52.156	
12,450.00	12,110.78	12,176.17	12,110.78	22.60	18.93	-93.00	297.71	3,111.55	2,008.69	1,970.11	38.58	52.064	
12,500.00	12,120.45	12,185.83	12,120.45	22.75	18.94	-92.13	297.71	3,111.55	2,019.88	1,981.00	38.88	51.951	
12,550.00	12,125.80	12,191.19	12,125.80	22.93	18.94	-90.99	297.71	3,111.55	2,032.36	1,993.14	39.22	51.823	
12,581.47	12,126.94	12,192.32	12,126.94	23.05	18.94	-90.14	297.71	3,111.55	2,040.84	2,001.40	39.45	51.739	
12,600.00	12,127.10	12,192.49	12,127.10	23.12	18.94	-90.15	297.71	3,111.55	2,046.05	2,006.47	39.58	51.688	
12,700.00	12,127.97	12,193.36	12,127.97	23.56	18.94	-90.17	297.71	3,111.55	2,076.79	2,036.38	40.41	51.395	
12,800.00	12,128.84	12,194.23	12,128.84	24.06	18.94	-90.20	297.71	3,111.55	2,111.82	2,070.52	41.31	51.126	
12,900.00	12,129.71	13,445.59	12,744.59	24.61	26.46	-106.80	-581.08	3,194.50	2,127.21	2,081.02	46.19	46.049	
13,000.00	12,130.58	13,545.59	12,745.12	25.21	27.44	-106.79	-681.08	3,195.41	2,127.16	2,079.59	47.56	44.721	
13,100.00	12,131.46	13,645.59	12,745.65	25.87	28.46	-106.78	-781.07	3,196.31	2,127.10	2,078.07	49.04	43.375	
13,200.00	12,132.33	13,745.59	12,746.17	26.56	29.50	-106.77	-881.06	3,197.22	2,127.05	2,076.44	50.61	42.028	
13,300.00	12,133.20	13,845.59	12,746.70	27.30	30.56	-106.76	-981.06	3,198.13	2,127.00	2,074.73	52.27	40.694	
13,400.00	12,134.07	13,945.58	12,747.22	28.08	31.65	-106.76	-1,081.05	3,199.04	2,126.94	2,072.94	54.01	39.383	
13,500.00	12,134.94	14,045.58	12,747.75	28.90	32.75	-106.75	-1,181.05	3,199.95	2,126.89	2,071.07	55.82	38.105	
13,600.00	12,135.81	14,145.58	12,748.27	29.75	33.87	-106.74	-1,281.04	3,200.86	2,126.83	2,069.14	57.69	36.866	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 224H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.00	12,136.69	14,245.58	12,748.80	30.63	35.00	-106.73	-1,381.03	3,201.77	2,126.78	2,067.15	59.63	35.669	
13,800.00	12,137.56	14,345.58	12,749.33	31.55	36.16	-106.72	-1,481.03	3,202.68	2,126.73	2,065.11	61.61	34.516	
13,900.00	12,138.43	14,445.58	12,749.85	32.50	37.32	-106.71	-1,581.02	3,203.59	2,126.67	2,063.02	63.65	33.411	
14,000.00	12,139.30	14,545.58	12,750.38	33.47	38.50	-106.70	-1,681.02	3,204.50	2,126.62	2,060.89	65.73	32.352	
14,100.00	12,140.17	14,645.58	12,750.90	34.47	39.68	-106.69	-1,781.01	3,205.40	2,126.57	2,058.71	67.85	31.340	
14,200.00	12,141.04	14,745.58	12,751.43	35.49	40.88	-106.68	-1,881.00	3,206.31	2,126.51	2,056.50	70.01	30.373	
14,300.00	12,141.92	14,845.58	12,751.95	36.53	42.09	-106.67	-1,981.00	3,207.22	2,126.46	2,054.25	72.20	29.451	
14,400.00	12,142.79	14,945.58	12,752.48	37.59	43.30	-106.66	-2,080.99	3,208.13	2,126.40	2,051.98	74.42	28.571	
14,500.00	12,143.66	15,045.58	12,753.01	38.67	44.53	-106.65	-2,180.98	3,209.04	2,126.35	2,049.68	76.67	27.733	
14,600.00	12,144.53	15,145.58	12,753.53	39.77	45.76	-106.64	-2,280.98	3,209.95	2,126.30	2,047.35	78.95	26.933	
14,700.00	12,145.40	15,245.58	12,754.06	40.88	47.00	-106.63	-2,380.97	3,210.86	2,126.24	2,045.00	81.24	26.172	
14,800.00	12,146.27	15,345.58	12,754.58	42.01	48.25	-106.63	-2,480.97	3,211.77	2,126.19	2,042.63	83.56	25.445	
14,900.00	12,147.14	15,445.58	12,755.11	43.15	49.50	-106.62	-2,580.96	3,212.68	2,126.14	2,040.24	85.90	24.752	
15,000.00	12,148.02	15,545.57	12,755.63	44.31	50.75	-106.61	-2,680.95	3,213.59	2,126.08	2,037.83	88.25	24.091	
15,100.00	12,148.89	15,645.57	12,756.16	45.47	52.02	-106.60	-2,780.95	3,214.49	2,126.03	2,035.41	90.62	23.460	
15,200.00	12,149.76	15,745.57	12,756.69	46.65	53.28	-106.59	-2,880.94	3,215.40	2,125.98	2,032.97	93.01	22.858	
15,300.00	12,150.63	15,845.57	12,757.21	47.83	54.56	-106.58	-2,980.94	3,216.31	2,125.92	2,030.52	95.41	22.282	
15,400.00	12,151.50	15,945.57	12,757.74	49.03	55.83	-106.57	-3,080.93	3,217.22	2,125.87	2,028.05	97.82	21.732	
15,500.00	12,152.37	16,045.57	12,758.26	50.23	57.11	-106.56	-3,180.92	3,218.13	2,125.82	2,025.57	100.25	21.206	
15,600.00	12,153.25	16,145.57	12,758.79	51.45	58.40	-106.55	-3,280.92	3,219.04	2,125.77	2,023.08	102.68	20.703	
15,700.00	12,154.12	16,245.57	12,759.31	52.67	59.69	-106.54	-3,380.91	3,219.95	2,125.71	2,020.59	105.13	20.220	
15,800.00	12,154.99	16,345.57	12,759.84	53.89	60.98	-106.53	-3,480.90	3,220.86	2,125.66	2,018.08	107.58	19.758	
15,900.00	12,155.86	16,445.57	12,760.37	55.13	62.27	-106.52	-3,580.90	3,221.77	2,125.61	2,015.56	110.05	19.315	
16,000.00	12,156.73	16,545.57	12,760.89	56.37	63.57	-106.51	-3,680.89	3,222.68	2,125.56	2,013.03	112.52	18.890	
16,100.00	12,157.60	16,645.57	12,761.42	57.61	64.87	-106.50	-3,780.89	3,223.58	2,125.50	2,010.50	115.00	18.482	
16,200.00	12,158.48	16,745.57	12,761.94	58.86	66.17	-106.49	-3,880.88	3,224.49	2,125.45	2,007.96	117.49	18.090	
16,300.00	12,159.35	16,845.57	12,762.47	60.12	67.48	-106.49	-3,980.87	3,225.40	2,125.40	2,005.41	119.99	17.713	
16,400.00	12,160.22	16,945.57	12,762.99	61.38	68.78	-106.48	-4,080.87	3,226.31	2,125.35	2,002.85	122.49	17.351	
16,500.00	12,161.09	17,045.57	12,763.52	62.65	70.09	-106.47	-4,180.86	3,227.22	2,125.29	2,000.29	125.00	17.002	
16,600.00	12,161.96	17,145.57	12,764.05	63.92	71.41	-106.46	-4,280.86	3,228.13	2,125.24	1,997.73	127.51	16.667	
16,700.00	12,162.83	17,245.56	12,764.57	65.19	72.72	-106.45	-4,380.85	3,229.04	2,125.19	1,995.16	130.03	16.343	
16,800.00	12,163.71	17,345.56	12,765.10	66.47	74.04	-106.44	-4,480.84	3,229.95	2,125.14	1,992.58	132.56	16.032	
16,900.00	12,164.58	17,445.56	12,765.62	67.75	75.35	-106.43	-4,580.84	3,230.86	2,125.08	1,990.00	135.09	15.731	
17,000.00	12,165.45	17,545.56	12,766.15	69.04	76.67	-106.42	-4,680.83	3,231.77	2,125.03	1,987.41	137.62	15.441	
17,100.00	12,166.32	17,645.56	12,766.67	70.32	77.99	-106.41	-4,780.83	3,232.67	2,124.98	1,984.82	140.16	15.161	
17,200.00	12,167.19	17,745.56	12,767.20	71.61	79.32	-106.40	-4,880.82	3,233.58	2,124.93	1,982.22	142.70	14.890	
17,300.00	12,168.06	17,845.56	12,767.73	72.91	80.64	-106.39	-4,980.81	3,234.49	2,124.88	1,979.63	145.25	14.629	
17,400.00	12,168.94	17,945.56	12,768.25	74.21	81.97	-106.38	-5,080.81	3,235.40	2,124.82	1,977.02	147.80	14.376	
17,500.00	12,169.81	18,045.56	12,768.78	75.50	83.29	-106.37	-5,180.80	3,236.31	2,124.77	1,974.42	150.36	14.132	
17,600.00	12,170.68	18,145.56	12,769.30	76.81	84.62	-106.36	-5,280.79	3,237.22	2,124.72	1,971.81	152.91	13.895	
17,700.00	12,171.55	18,245.56	12,769.83	78.11	85.95	-106.36	-5,380.79	3,238.13	2,124.67	1,969.20	155.47	13.666	
17,800.00	12,172.42	18,345.56	12,770.35	79.42	87.28	-106.35	-5,480.78	3,239.04	2,124.62	1,966.58	158.04	13.444	
17,900.00	12,173.29	18,445.56	12,770.88	80.72	88.62	-106.34	-5,580.78	3,239.95	2,124.57	1,963.96	160.60	13.229	
18,000.00	12,174.17	18,545.56	12,771.41	82.03	89.95	-106.33	-5,680.77	3,240.86	2,124.51	1,961.34	163.17	13.020	
18,100.00	12,175.04	18,645.56	12,771.93	83.35	91.28	-106.32	-5,780.76	3,241.76	2,124.46	1,958.72	165.75	12.818	
18,200.00	12,175.91	18,745.56	12,772.46	84.66	92.62	-106.31	-5,880.76	3,242.67	2,124.41	1,956.09	168.32	12.621	
18,300.00	12,176.78	18,845.55	12,772.98	85.98	93.95	-106.30	-5,980.75	3,243.58	2,124.36	1,953.46	170.90	12.430	
18,400.00	12,177.65	18,945.55	12,773.51	87.29	95.29	-106.29	-6,080.75	3,244.49	2,124.31	1,950.83	173.48	12.245	
18,500.00	12,178.52	19,045.55	12,774.03	88.61	96.63	-106.28	-6,180.74	3,245.40	2,124.26	1,948.20	176.06	12.065	
18,600.00	12,179.39	19,145.55	12,774.56	89.93	97.97	-106.27	-6,280.73	3,246.31	2,124.21	1,945.56	178.65	11.891	
18,700.00	12,180.27	19,245.55	12,775.08	91.26	99.31	-106.26	-6,380.73	3,247.22	2,124.16	1,942.92	181.23	11.721	
18,800.00	12,181.14	19,345.55	12,775.61	92.58	100.65	-106.25	-6,480.72	3,248.13	2,124.10	1,940.28	183.82	11.555	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 224H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5) — **Rule Assigned:** — **Offset Well Error:** 0.50 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,900.00	12,182.01	19,445.55	12,776.14	93.90	101.99	-106.24	-6,580.72	3,249.04	2,124.05	1,937.64	186.41	11.394	
19,000.00	12,182.88	19,545.55	12,776.66	95.23	103.33	-106.23	-6,680.71	3,249.94	2,124.00	1,935.00	189.00	11.238	
19,100.00	12,183.75	19,645.55	12,777.19	96.56	104.67	-106.22	-6,780.70	3,250.85	2,123.95	1,932.35	191.60	11.085	
19,200.00	12,184.62	19,745.55	12,777.71	97.89	106.01	-106.22	-6,880.70	3,251.76	2,123.90	1,929.71	194.19	10.937	
19,300.00	12,185.50	19,845.55	12,778.24	99.22	107.36	-106.21	-6,980.69	3,252.67	2,123.85	1,927.06	196.79	10.792	
19,400.00	12,186.37	19,945.55	12,778.76	100.55	108.70	-106.20	-7,080.68	3,253.58	2,123.80	1,924.41	199.39	10.651	
19,500.00	12,187.24	20,045.55	12,779.29	101.88	110.05	-106.19	-7,180.68	3,254.49	2,123.75	1,921.76	201.99	10.514	
19,600.00	12,188.11	20,145.55	12,779.82	103.21	111.39	-106.18	-7,280.67	3,255.40	2,123.70	1,919.10	204.59	10.380	
19,700.00	12,188.98	20,245.55	12,780.34	104.54	112.74	-106.17	-7,380.67	3,256.31	2,123.65	1,916.45	207.20	10.249	
19,800.00	12,189.85	20,345.55	12,780.87	105.88	114.09	-106.16	-7,480.66	3,257.22	2,123.60	1,913.79	209.80	10.122	
19,900.00	12,190.73	20,445.55	12,781.39	107.21	115.43	-106.15	-7,580.65	3,258.13	2,123.55	1,911.14	212.41	9.997	
20,000.00	12,191.60	20,545.54	12,781.92	108.55	116.78	-106.14	-7,680.65	3,259.03	2,123.50	1,908.48	215.02	9.876	
20,100.00	12,192.47	20,645.54	12,782.44	109.89	118.13	-106.13	-7,780.64	3,259.94	2,123.45	1,905.82	217.63	9.757	
20,200.00	12,193.34	20,745.54	12,782.97	111.23	119.48	-106.12	-7,880.64	3,260.85	2,123.39	1,903.16	220.24	9.641	
20,300.00	12,194.21	20,845.54	12,783.50	112.56	120.83	-106.11	-7,980.63	3,261.76	2,123.34	1,900.50	222.85	9.528	
20,400.00	12,195.08	20,945.54	12,784.02	113.90	122.18	-106.10	-8,080.62	3,262.67	2,123.29	1,897.83	225.46	9.418	
20,500.00	12,195.96	21,045.54	12,784.55	115.24	123.53	-106.09	-8,180.62	3,263.58	2,123.24	1,895.17	228.08	9.309	
20,600.00	12,196.83	21,145.54	12,785.07	116.58	124.88	-106.09	-8,280.61	3,264.49	2,123.19	1,892.50	230.69	9.204	
20,700.00	12,197.70	21,245.54	12,785.60	117.93	126.23	-106.08	-8,380.60	3,265.40	2,123.14	1,889.84	233.31	9.100	
20,800.00	12,198.57	21,345.54	12,786.12	119.27	127.58	-106.07	-8,480.60	3,266.31	2,123.09	1,887.17	235.92	8.999	
20,900.00	12,199.44	21,445.54	12,786.65	120.61	128.93	-106.06	-8,580.59	3,267.22	2,123.04	1,884.50	238.54	8.900	
21,000.00	12,200.31	21,545.54	12,787.18	121.95	130.28	-106.05	-8,680.59	3,268.12	2,122.99	1,881.83	241.16	8.803	
21,100.00	12,201.19	21,645.54	12,787.70	123.30	131.63	-106.04	-8,780.58	3,269.03	2,122.94	1,879.16	243.78	8.708	
21,200.00	12,202.06	21,745.54	12,788.23	124.64	132.99	-106.03	-8,880.57	3,269.94	2,122.90	1,876.49	246.40	8.616	
21,300.00	12,202.93	21,845.54	12,788.75	125.99	134.34	-106.02	-8,980.57	3,270.85	2,122.85	1,873.82	249.03	8.525	
21,400.00	12,203.80	21,945.54	12,789.28	127.33	135.69	-106.01	-9,080.56	3,271.76	2,122.80	1,871.15	251.65	8.436	
21,500.00	12,204.67	22,045.54	12,789.80	128.68	137.05	-106.00	-9,180.56	3,272.67	2,122.75	1,868.47	254.27	8.348	
21,600.00	12,205.54	22,145.53	12,790.33	130.03	138.40	-105.99	-9,280.55	3,273.58	2,122.70	1,865.80	256.90	8.263	
21,700.00	12,206.41	22,245.53	12,790.86	131.37	139.75	-105.98	-9,380.54	3,274.49	2,122.65	1,863.12	259.52	8.179	
21,800.00	12,207.29	22,345.53	12,791.38	132.72	141.11	-105.97	-9,480.54	3,275.40	2,122.60	1,860.45	262.15	8.097	
21,900.00	12,208.16	22,445.53	12,791.91	134.07	142.46	-105.96	-9,580.53	3,276.31	2,122.55	1,857.77	264.78	8.016	
22,000.00	12,209.03	22,545.53	12,792.43	135.42	143.82	-105.95	-9,680.53	3,277.21	2,122.50	1,855.09	267.41	7.937	
22,100.00	12,209.90	22,645.53	12,792.96	136.77	145.17	-105.95	-9,780.52	3,278.12	2,122.45	1,852.42	270.03	7.860	
22,200.00	12,210.77	22,745.53	12,793.48	138.12	146.53	-105.94	-9,880.51	3,279.03	2,122.40	1,849.74	272.66	7.784	
22,300.00	12,211.64	22,845.53	12,794.01	139.47	147.88	-105.93	-9,980.51	3,279.94	2,122.35	1,847.06	275.29	7.709	
22,400.00	12,212.52	22,945.53	12,794.54	140.82	149.24	-105.92	-10,080.50	3,280.85	2,122.30	1,844.38	277.93	7.636	
22,500.00	12,213.39	23,045.53	12,795.06	142.17	150.55	-105.91	-10,180.49	3,281.76	2,122.25	1,841.76	280.49	7.566	
22,512.90	12,213.50	23,058.43	12,795.13	142.34	150.71	-105.91	-10,193.39	3,281.88	2,122.25	1,841.44	280.81	7.558	ES, SF

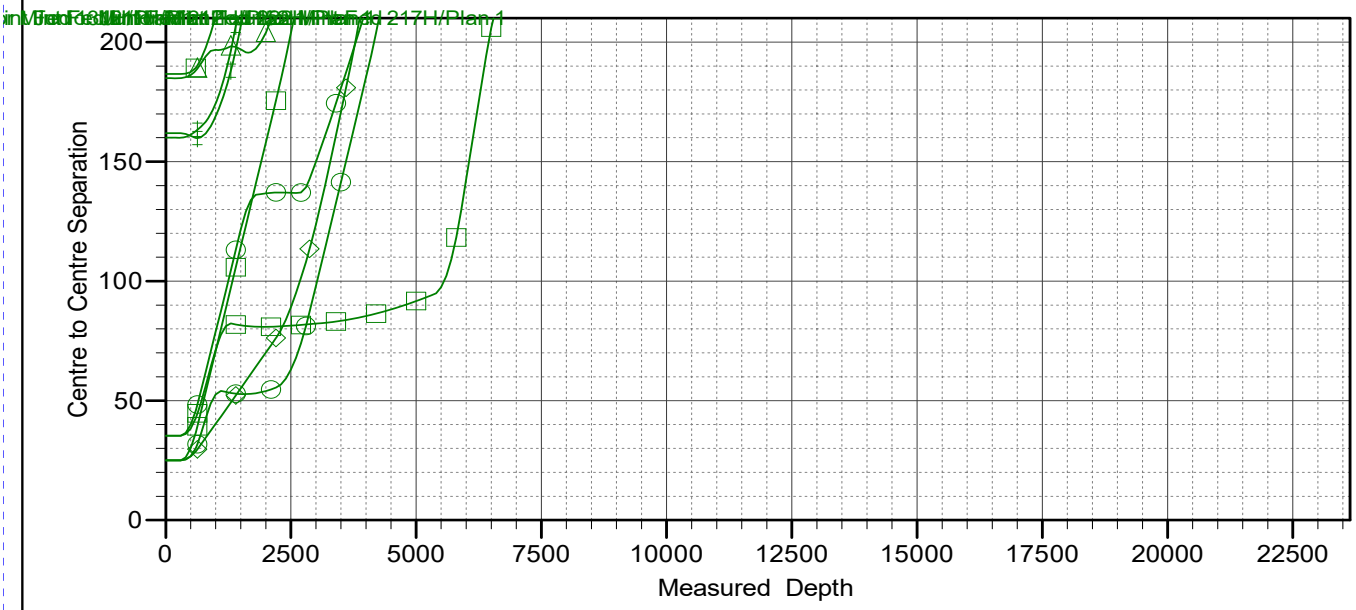
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 137H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB) Coordinates are relative to: Junior Mint Fed 137H
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Central Meridian is -104.3333333 Grid Convergence at Surface is: 0.52°

Ladder Plot



LEGEND

- Junior Mint Fed 217H, OH, Plan 1 V0
- Junior Mint Fed 131H, OH, Plan 1 V0
- Junior Mint Fed 138H, OH, Plan 1 V0
- Junior Mint Fed 152H, OH, Plan 1 V0
- Junior Mint Fed 158H, OH, Plan 1 V0
- Junior Mint Fed 133H, OH, Plan 1 V0
- Junior Mint Fed 135H, OH, Plan 1 V0
- (O) Montera Federal 023H, OH, OH V0
- Junior Mint Fed 211H, OH, Plan 1 V0
- Junior Mint Fed 224H, OH, Plan 1 V0
- Junior Mint Fed 223H, OH, Plan 1 V0
- Junior Mint Fed 214H, OH, Plan 1 V0
- Junior Mint Fed 216H, OH, Plan 1 V0
- Junior Mint Fed 218H, OH, Plan 1 V0
- Junior Mint Fed 132H, OH, Plan 1 V0
- Junior Mint Fed 156H, OH, Plan 1 V0
- Junior Mint Fed 134H, OH, Plan 1 V0
- Junior Mint Fed 213H, OH, Plan 1 V0
- Junior Mint Fed 221H, OH, Plan 1 V0
- Junior Mint Fed 151H, OH, Plan 1 V0
- Junior Mint Fed 212H, OH, Plan 1 V0
- Junior Mint Fed 215H, OH, Plan 1 V0
- Junior Mint Fed 222H, OH, Plan 1 V0

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 137H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3220 + 26 @ 3246.00usft (26' KB)
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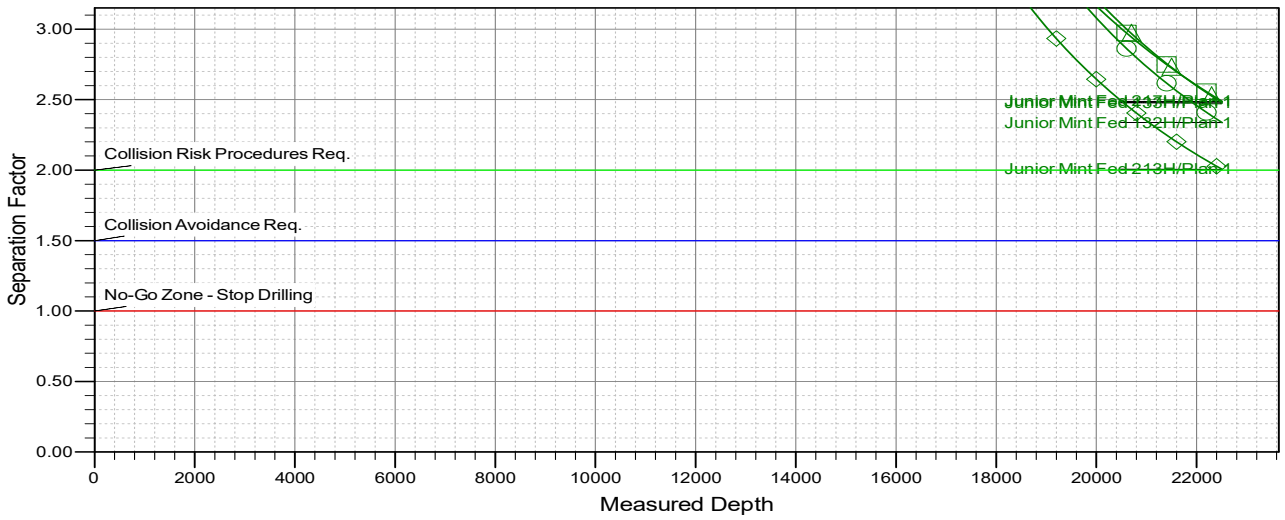
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB) Coordinates are relative to: Junior Mint Fed 137H
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Central Meridian is -104.3333333 Grid Convergence at Surface is: 0.52°

Separation Factor Plot



LEGEND

- Junior Mint Fed 217H, OH, Plan 1 V0
- Junior Mint Fed 131H, OH, Plan 1 V0
- Junior Mint Fed 138H, OH, Plan 1 V0
- Junior Mint Fed 152H, OH, Plan 1 V0
- Junior Mint Fed 158H, OH, Plan 1 V0
- Junior Mint Fed 133H, OH, Plan 1 V0
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- Junior Mint Fed 212H, OH, Plan 1 V0
- Junior Mint Fed 215H, OH, Plan 1 V0
- Junior Mint Fed 222H, OH, Plan 1 V0

Sante Fe Main Office
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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

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475453
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/26/2025