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.

5. Lease Serial No. NMNM101609

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

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/135H

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 296 FNL & 1426 FWL, NENW, Sec. 15, T.25S, R.35E to 511 FNL & 1434 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 / 296 FNL / 1426 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1368229 / LONG: -103.359327 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 165 FNL / 1268 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1371815 / LONG: -103.3598372 (TVD: 11895 feet, MD: 11936 feet)

BHL: SWSW / 5 FSL / 1269 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086298 / LONG: -103.3598502 (TVD: 12211 feet, MD: 22398 feet)

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-54740	98185	WC-025 G-09 S253502B;LWR BONE SPRING

Property Code	Property Name	Well Number
337333	JUNIOR MINT FED	135H

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	-	511' N	1434' W	N 32.1362317	W 103.3593010	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
M	22	25-S	35-E	-	5' S	1269' W	N 32.1086298	W 103.3598501	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
1280.00	Defining	- 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
D	15	25-S	35-E	-	100' N	1269' W	N 32.1373630	W 103.3598351	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
D	15	25-S	35-E	-	100' N	1269' W	N 32.1373630	W 103.3598351	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
M	22	25-S	35-E	-	100' S	1269' W	N 32.1088909	W 103.3598495	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 3:29:42 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\BJ\JUNIOR MINT FED REVISED\JO_JUNIOR_MINT_FED_135H.dwg EHORNBECK 2/6/2025 3:29 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

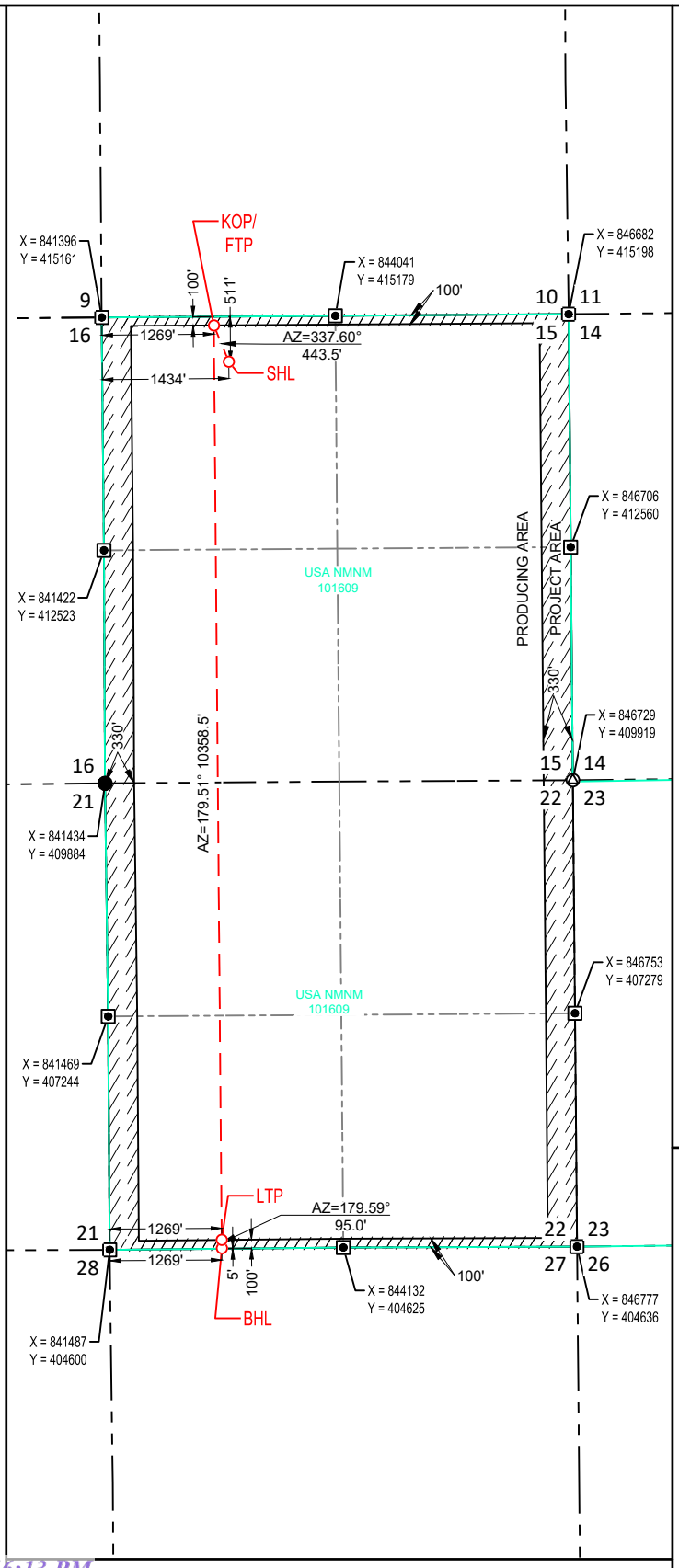
JUNIOR MINT FED 135H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=842835 Y=414660
LAT.: N 32.1362317
LONG.: W 103.3593010
NAD 1927
X=801648 Y=414602
LAT.: N 32.1361054
LONG.: W 103.3588359
511' FNL 1434' FWL

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

NEW MEXICO EAST
NAD 1983
X=842666 Y=415070
LAT.: N 32.1373630
LONG.: W 103.3598351
NAD 1927
X=801479 Y=415012
LAT.: N 32.1372366
LONG.: W 103.3593700
100' FNL 1269' FWL



LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=842755 Y=404712
LAT.: N 32.1088909
LONG.: W 103.3598495
NAD 1927
X=801568 Y=404654
LAT.: N 32.1087644
LONG.: W 103.3593860
100' FSL 1269' FWL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=842756 Y=404617
LAT.: N 32.1086298
LONG.: W 103.3598501
NAD 1927
X=801569 Y=404559
LAT.: N 32.1085033
LONG.: W 103.3593866
5' FSL 1269' 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 3:29:46 PM

M:\SURVEY\OVITAS_RESOURCES_INC\EAU\JUNIOR_MINT_UNIT\FINAL_PRODUCTS\JUNIOR MINT FED REVISED\JO_JUNIOR_MINT_FED_135H.dwg EHORNBECK 2/6/2025 3:29 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

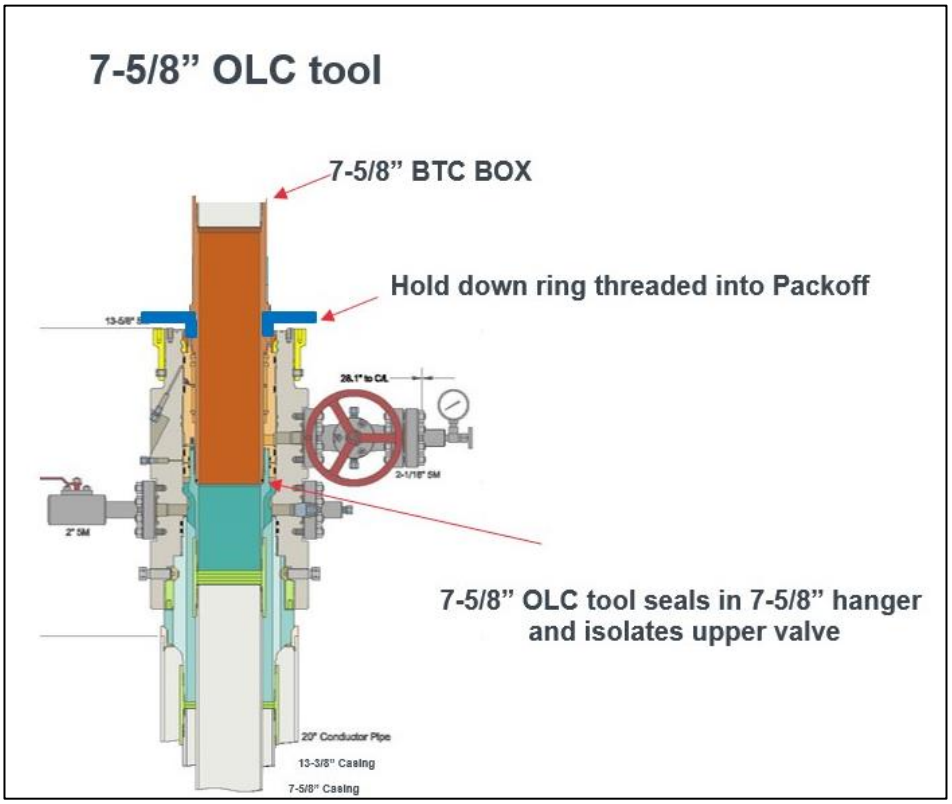
mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon (as described above), thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used and with BLM approval, top out the job as needed.

- 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).



CIVITAS

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.

CIVITAS

- Junior Mint Fed 135, 3BSS Target

Estimated Tops:

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler	660	660	Salt	Salt
Top Salt	1,100	1,100	Salt	Salt
Base Salt	4,920	4,922	**Salt**	Salt
DMG	5,160	5,189	Sandstone	None
Lamar	5,165	5,194	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,215	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,235	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,180	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,650	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	8,960	Carbonate	Hydrocarbons
Upper Avalon	8,955	8,985	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,215	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,195	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,360	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,745	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,295	Carbonate	Hydrocarbons
3rd BS Sand	11,895	11,925	Sandstone	Hydrocarbons
KOP	11151	11581	Carbonate	Hydrocarbons
TD	12210	22411	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	1,075	11 3/4	API	No	0	1,075	0	1,075	J-55	47	BTC	1.13	1.15	1.6
1st Intermediate	9 7/8	1,075	11,481	7 5/8	API	No	0	11,481	0	11,351	P-110	29.7	BTC	1.13	1.15	1.6
Production	6 3/4	11,481	11,581	5 1/2	NON API	No	0	11,581	0	11,551	P110RYS	23	Talon	1.13	1.15	1.6
	6 3/4	11,581	22,411	5 1/2	NON API	No	11,581	22,411	11,551	12,210	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	391	1.72	672	13.5	100%	C	Additives + LCM
	Tail	775	196	1.33	260	14.8	100%	C	Additives + LCM
Intermediate	Lead	0	1028	4.29	4409	10.5	200%	C	Contingency Bradenhead Squeeze, LCM Lead
	Tail	10481	129	1.67	215	13.2	100%	C	Additives + LCM
Production	Tail	10981	924	1.24	1146	13.2	20%	H	Fluid Loss + Dispersant + Retarder + LCM

Mud Program:

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1,075	FW Spud Mud	8.40	28	NC
1st Intermediate	1,075	11,481	DBE	9.20	27-30	NC
Production	11,481	22,411	OBM	12.50	55-65	<16

U. S. Steel Tubular Products

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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.

Legal Notice

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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

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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.

Legal Notice

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U. S. Steel Tubular Products
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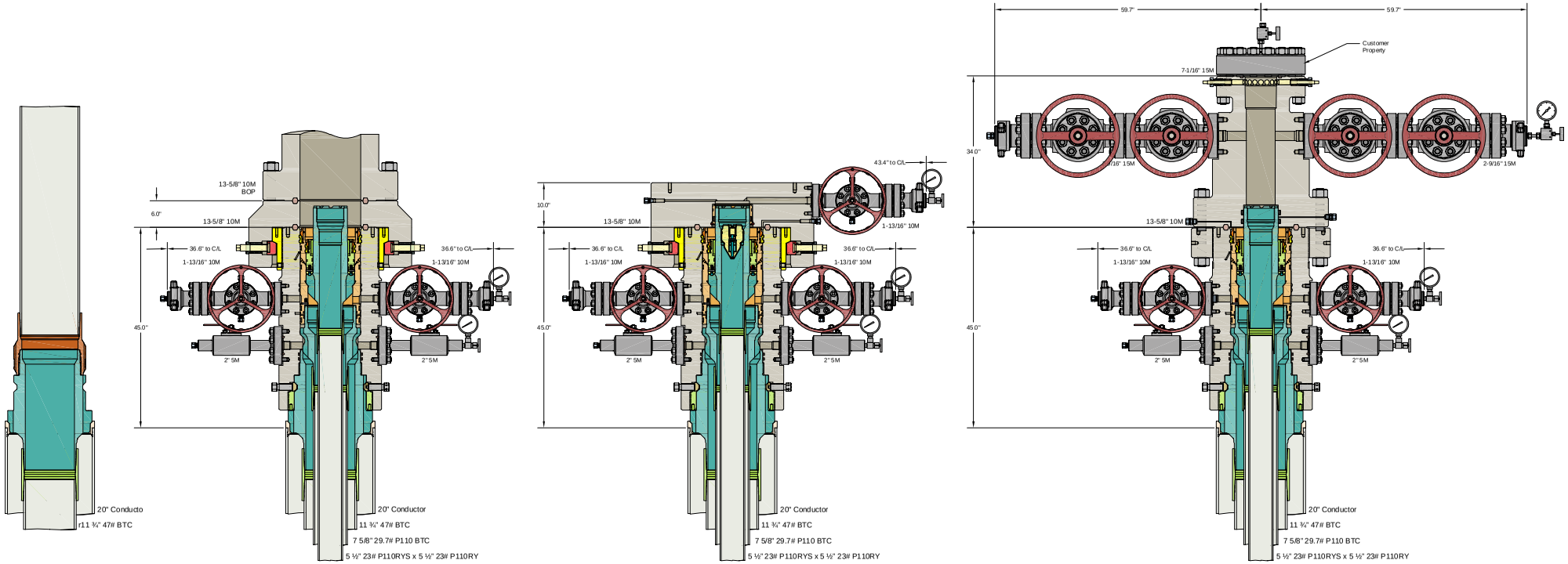

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ALL DIMENSIONS APPROXIMATE

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	

Received by OCD: 6/16/2025 11:11:32 AM

Do Not Cross SL

Project: Lea County, NM (NAD 83)
Site: Junior Mint Fed Pad
Well: Junior Mint Fed 135H
Wellbore: OH
Design: Plan 1
Rig: 26' KB

CIVITAS

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

Magnetic Field
Strength: 47068.1nT
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)

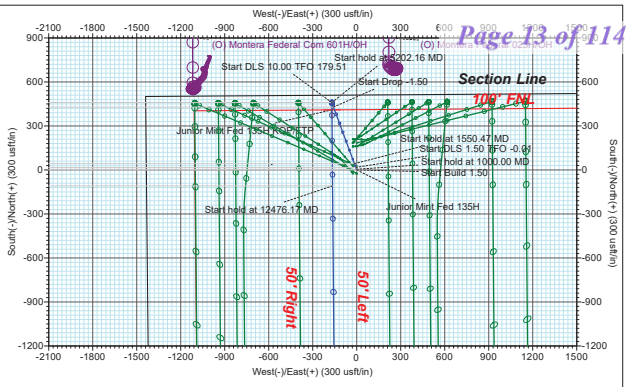
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	414660.00	842835.00	32.1362314	-103.3593009	

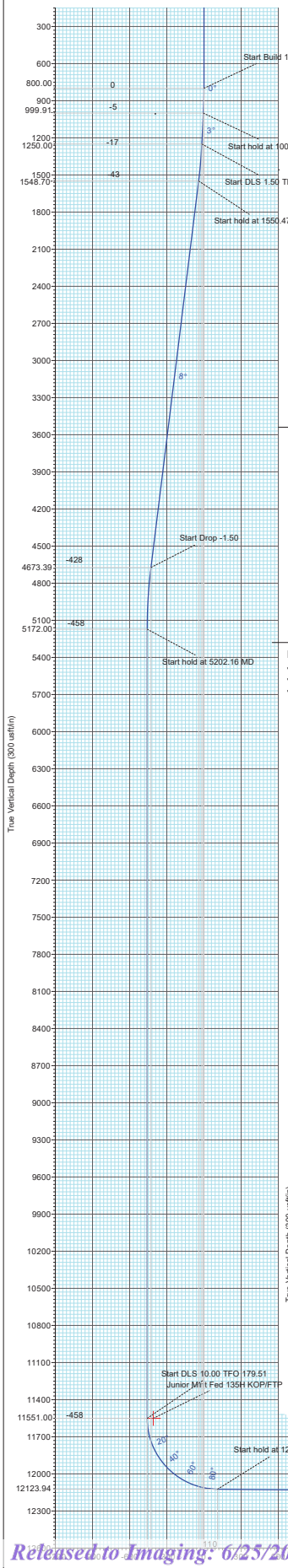
SECTION DETAILS

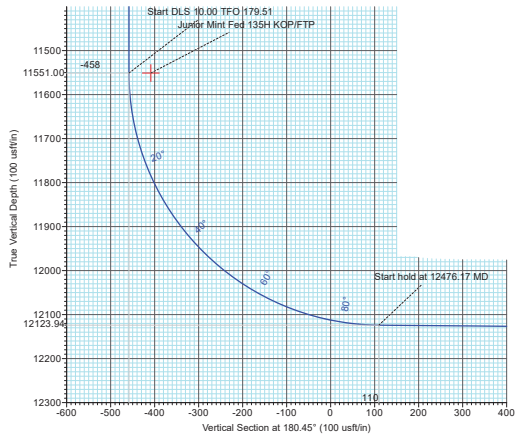
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
1000.00	3.00	339.77	999.91	4.91	-1.81	1.50	339.77	-4.90	
1250.43	3.00	339.77	1250.00	17.21	-6.34	0.00	0.00	-17.16	
1550.47	7.50	339.77	1548.70	42.96	-15.83	1.50	-0.01	-42.84	
4702.13	7.50	339.77	4673.39	428.97	-158.13	0.00	0.00	-427.72	
5202.16	0.00	0.00	5172.00	459.64	-169.43	1.50	180.00	-458.30	
11581.16	0.00	0.00	11551.00	459.64	-169.43	0.00	0.00	-458.30	
12476.17	89.50	179.51	12123.94	-108.30	-164.54	10.00	179.51	109.59	
22411.61	89.50	179.51	12210.50	-10043.00	-79.00	0.00	0.00	10043.31	

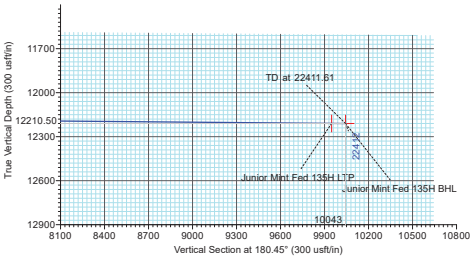
WELLBORE TARGET DETAILS

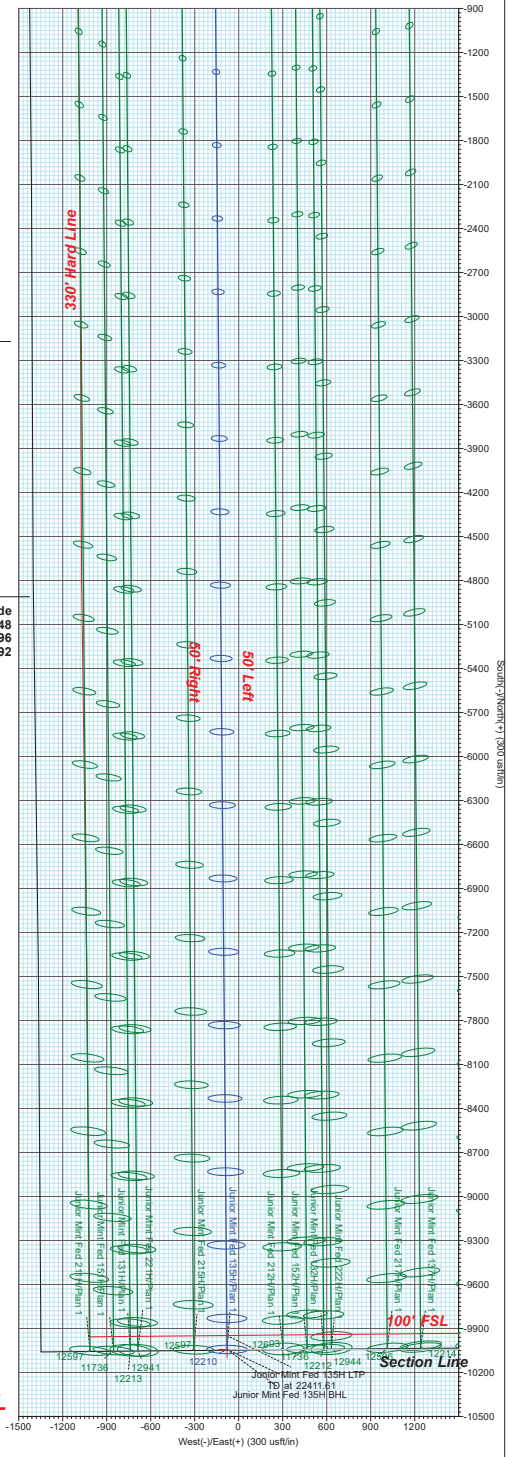
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 135H KOP/FTP	11551.00	410.00	-169.00	415070.00	842666.00	32.1373625	-103.3598348
Junior Mint Fed 135H LTP	12210.00	-9948.00	-80.00	404712.00	842755.00	32.1088908	-103.3598496
Junior Mint Fed 135H BHL	12210.50	-10043.00	-79.00	404617.00	842756.00	32.1086297	-103.3598492



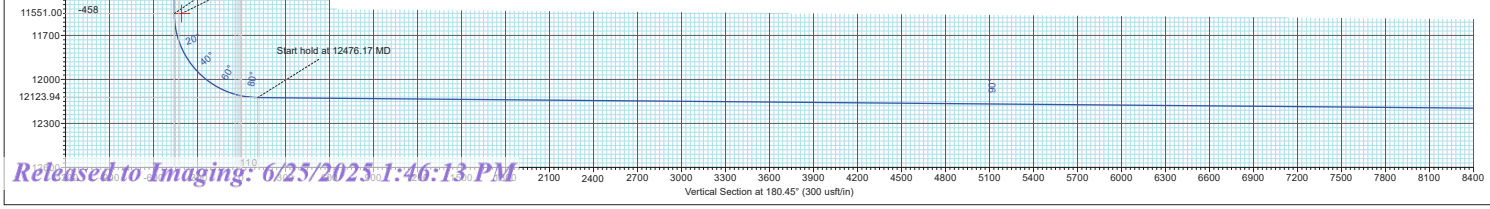








Do Not Cross SL



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Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 135H

OH

Plan: Plan 1

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 135H
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 135H	**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 135H

Well Position	**+N/-S**	0.00 usft	**Northing:**	414,660.00 usft	**Latitude:**	32.1362315
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3593009
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	47,068.10000000

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	180.45

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

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	22,411.61	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 135H
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 135H	**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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	3.00	339.77	999.91	4.91	-1.81	1.50	1.50	0.00	339.77	
1,250.43	3.00	339.77	1,250.00	17.21	-6.34	0.00	0.00	0.00	0.00	
1,550.47	7.50	339.77	1,548.70	42.96	-15.83	1.50	1.50	0.00	-0.01	
4,702.13	7.50	339.77	4,673.39	428.97	-158.13	0.00	0.00	0.00	0.00	
5,202.16	0.00	0.00	5,172.00	459.64	-169.43	1.50	-1.50	0.00	180.00	
11,581.16	0.00	0.00	11,551.00	459.64	-169.43	0.00	0.00	0.00	0.00	
12,476.17	89.50	179.51	12,123.94	-108.30	-164.54	10.00	10.00	20.06	179.51	
22,411.61	89.50	179.51	12,210.50	-10,043.00	-79.00	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	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.00	0.00	0.00
900.00	1.50	339.77	899.99	1.23	-0.45	414,661.23	842,834.55	32.1362348	-103.3593023	-1.22	1.50	1.50	0.00
1,000.00	3.00	339.77	999.91	4.91	-1.81	414,664.91	842,833.19	32.1362450	-103.3593066	-4.90	1.50	1.50	0.00
1,100.00	3.00	339.77	1,099.77	9.82	-3.62	414,669.82	842,831.38	32.1362585	-103.3593123	-9.79	0.00	0.00	0.00
1,200.00	3.00	339.77	1,199.63	14.73	-5.43	414,674.73	842,829.57	32.1362721	-103.3593180	-14.69	0.00	0.00	0.00
1,250.43	3.00	339.77	1,250.00	17.21	-6.34	414,677.21	842,828.66	32.1362789	-103.3593208	-17.16	0.00	0.00	0.00
1,300.00	3.74	339.77	1,299.48	19.95	-7.35	414,679.95	842,827.65	32.1362865	-103.3593240	-19.89	1.50	1.50	0.00
1,400.00	5.24	339.77	1,399.17	27.30	-10.06	414,687.30	842,824.94	32.1363067	-103.3593326	-27.22	1.50	1.50	0.00
1,500.00	6.74	339.77	1,498.62	37.09	-13.67	414,697.09	842,821.33	32.1363338	-103.3593439	-36.98	1.50	1.50	0.00
1,550.47	7.50	339.77	1,548.70	42.96	-15.83	414,702.96	842,819.17	32.1363499	-103.3593508	-42.84	1.50	1.50	0.00
1,600.00	7.50	339.77	1,597.81	49.03	-18.07	414,709.03	842,816.93	32.1363667	-103.3593578	-48.89	0.00	0.00	0.00
1,700.00	7.50	339.77	1,696.95	61.28	-22.59	414,721.28	842,812.41	32.1364004	-103.3593720	-61.10	0.00	0.00	0.00
1,800.00	7.50	339.77	1,796.09	73.53	-27.10	414,733.53	842,807.90	32.1364342	-103.3593863	-73.31	0.00	0.00	0.00
1,900.00	7.50	339.77	1,895.24	85.77	-31.62	414,745.77	842,803.38	32.1364680	-103.3594005	-85.52	0.00	0.00	0.00
2,000.00	7.50	339.77	1,994.38	98.02	-36.13	414,758.02	842,798.87	32.1365018	-103.3594147	-97.74	0.00	0.00	0.00
2,100.00	7.50	339.77	2,093.53	110.27	-40.65	414,770.27	842,794.35	32.1365356	-103.3594289	-109.95	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,200.00	7.50	339.77	2,192.67	122.52	-45.16	414,782.52	842,789.84	32.1365693	-103.3594432	-122.16	0.00	0.00	0.00
2,300.00	7.50	339.77	2,291.82	134.77	-49.67	414,794.77	842,785.33	32.1366031	-103.3594574	-134.37	0.00	0.00	0.00
2,400.00	7.50	339.77	2,390.96	147.01	-54.19	414,807.01	842,780.81	32.1366369	-103.3594716	-146.58	0.00	0.00	0.00
2,500.00	7.50	339.77	2,490.11	159.26	-58.70	414,819.26	842,776.30	32.1366707	-103.3594858	-158.80	0.00	0.00	0.00
2,600.00	7.50	339.77	2,589.25	171.51	-63.22	414,831.51	842,771.78	32.1367044	-103.3595001	-171.01	0.00	0.00	0.00
2,700.00	7.50	339.77	2,688.39	183.76	-67.73	414,843.76	842,767.27	32.1367382	-103.3595143	-183.22	0.00	0.00	0.00
2,800.00	7.50	339.77	2,787.54	196.00	-72.25	414,856.00	842,762.75	32.1367720	-103.3595285	-195.43	0.00	0.00	0.00
2,900.00	7.50	339.77	2,886.68	208.25	-76.76	414,868.25	842,758.24	32.1368058	-103.3595427	-207.64	0.00	0.00	0.00
3,000.00	7.50	339.77	2,985.83	220.50	-81.28	414,880.50	842,753.72	32.1368395	-103.3595570	-219.86	0.00	0.00	0.00
3,100.00	7.50	339.77	3,084.97	232.75	-85.79	414,892.75	842,749.21	32.1368733	-103.3595712	-232.07	0.00	0.00	0.00
3,200.00	7.50	339.77	3,184.12	245.00	-90.31	414,905.00	842,744.69	32.1369071	-103.3595854	-244.28	0.00	0.00	0.00
3,300.00	7.50	339.77	3,283.26	257.24	-94.82	414,917.24	842,740.18	32.1369409	-103.3595997	-256.49	0.00	0.00	0.00
3,400.00	7.50	339.77	3,382.40	269.49	-99.34	414,929.49	842,735.66	32.1369746	-103.3596139	-268.70	0.00	0.00	0.00
3,500.00	7.50	339.77	3,481.55	281.74	-103.85	414,941.74	842,731.15	32.1370084	-103.3596281	-280.92	0.00	0.00	0.00
3,600.00	7.50	339.77	3,580.69	293.99	-108.37	414,953.99	842,726.63	32.1370422	-103.3596423	-293.13	0.00	0.00	0.00
3,700.00	7.50	339.77	3,679.84	306.24	-112.88	414,966.24	842,722.12	32.1370760	-103.3596566	-305.34	0.00	0.00	0.00
3,800.00	7.50	339.77	3,778.98	318.48	-117.40	414,978.48	842,717.60	32.1371097	-103.3596708	-317.55	0.00	0.00	0.00
3,900.00	7.50	339.77	3,878.13	330.73	-121.91	414,990.73	842,713.09	32.1371435	-103.3596850	-329.76	0.00	0.00	0.00
4,000.00	7.50	339.77	3,977.27	342.98	-126.43	415,002.98	842,708.57	32.1371773	-103.3596992	-341.98	0.00	0.00	0.00
4,100.00	7.50	339.77	4,076.42	355.23	-130.94	415,015.23	842,704.06	32.1372111	-103.3597135	-354.19	0.00	0.00	0.00
4,200.00	7.50	339.77	4,175.56	367.47	-135.46	415,027.47	842,699.54	32.1372448	-103.3597277	-366.40	0.00	0.00	0.00
4,300.00	7.50	339.77	4,274.70	379.72	-139.97	415,039.72	842,695.03	32.1372786	-103.3597419	-378.61	0.00	0.00	0.00
4,400.00	7.50	339.77	4,373.85	391.97	-144.49	415,051.97	842,690.51	32.1373124	-103.3597561	-390.82	0.00	0.00	0.00
4,500.00	7.50	339.77	4,472.99	404.22	-149.00	415,064.22	842,686.00	32.1373462	-103.3597704	-403.04	0.00	0.00	0.00
4,600.00	7.50	339.77	4,572.14	416.47	-153.52	415,076.47	842,681.48	32.1373800	-103.3597846	-415.25	0.00	0.00	0.00
4,702.13	7.50	339.77	4,673.39	428.97	-158.13	415,088.97	842,676.87	32.1374144	-103.3597991	-427.72	0.00	0.00	0.00
4,800.00	6.03	339.77	4,770.58	439.79	-162.11	415,099.79	842,672.89	32.1374443	-103.3598117	-438.51	1.50	-1.50	0.00
4,900.00	4.53	339.77	4,870.15	448.43	-165.30	415,108.43	842,669.70	32.1374681	-103.3598217	-447.12	1.50	-1.50	0.00
5,000.00	3.03	339.77	4,969.93	454.62	-167.58	415,114.62	842,667.42	32.1374852	-103.3598289	-453.29	1.50	-1.50	0.00
5,100.00	1.53	339.77	5,069.85	458.36	-168.96	415,118.36	842,666.04	32.1374955	-103.3598333	-457.02	1.50	-1.50	0.00
5,202.16	0.00	0.00	5,172.00	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	1.50	-1.50	0.00
5,300.00	0.00	0.00	5,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
5,400.00	0.00	0.00	5,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
5,500.00	0.00	0.00	5,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
5,600.00	0.00	0.00	5,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
5,700.00	0.00	0.00	5,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
5,800.00	0.00	0.00	5,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,900.00	0.00	0.00	5,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,000.00	0.00	0.00	5,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,100.00	0.00	0.00	6,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,200.00	0.00	0.00	6,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,300.00	0.00	0.00	6,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,400.00	0.00	0.00	6,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,500.00	0.00	0.00	6,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,600.00	0.00	0.00	6,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,700.00	0.00	0.00	6,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,800.00	0.00	0.00	6,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
6,900.00	0.00	0.00	6,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,000.00	0.00	0.00	6,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,100.00	0.00	0.00	7,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,200.00	0.00	0.00	7,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,300.00	0.00	0.00	7,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,400.00	0.00	0.00	7,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,500.00	0.00	0.00	7,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,600.00	0.00	0.00	7,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,700.00	0.00	0.00	7,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,800.00	0.00	0.00	7,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
7,900.00	0.00	0.00	7,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,000.00	0.00	0.00	7,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,100.00	0.00	0.00	8,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,200.00	0.00	0.00	8,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,300.00	0.00	0.00	8,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,400.00	0.00	0.00	8,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,500.00	0.00	0.00	8,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,600.00	0.00	0.00	8,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,700.00	0.00	0.00	8,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,800.00	0.00	0.00	8,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
8,900.00	0.00	0.00	8,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,000.00	0.00	0.00	8,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,100.00	0.00	0.00	9,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,200.00	0.00	0.00	9,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,300.00	0.00	0.00	9,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,400.00	0.00	0.00	9,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,500.00	0.00	0.00	9,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,600.00	0.00	0.00	9,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.00	0.00	0.00	9,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,800.00	0.00	0.00	9,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
9,900.00	0.00	0.00	9,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,000.00	0.00	0.00	9,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,100.00	0.00	0.00	10,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,200.00	0.00	0.00	10,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,300.00	0.00	0.00	10,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,400.00	0.00	0.00	10,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,500.00	0.00	0.00	10,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,600.00	0.00	0.00	10,569.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,700.00	0.00	0.00	10,669.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,800.00	0.00	0.00	10,769.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
10,900.00	0.00	0.00	10,869.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,000.00	0.00	0.00	10,969.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,100.00	0.00	0.00	11,069.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,200.00	0.00	0.00	11,169.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,300.00	0.00	0.00	11,269.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,400.00	0.00	0.00	11,369.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,500.00	0.00	0.00	11,469.84	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,581.16	0.00	0.00	11,551.00	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.30	0.00	0.00	0.00
11,581.98	0.08	179.51	11,551.82	459.64	-169.43	415,119.64	842,665.57	32.1374990	-103.3598347	-458.29	10.00	10.00	0.00
Junior Mint Fed 135H KOP/FTP													
11,600.00	1.88	179.51	11,569.83	459.33	-169.43	415,119.33	842,665.57	32.1374982	-103.3598347	-457.99	10.00	10.00	0.00
11,650.00	6.88	179.51	11,619.67	455.51	-169.39	415,115.51	842,665.61	32.1374877	-103.3598348	-454.17	10.00	10.00	0.00
11,700.00	11.88	179.51	11,668.99	447.36	-169.32	415,107.36	842,665.68	32.1374653	-103.3598348	-446.02	10.00	10.00	0.00
11,750.00	16.88	179.51	11,717.40	434.94	-169.22	415,094.94	842,665.78	32.1374311	-103.3598348	-433.60	10.00	10.00	0.00
11,800.00	21.88	179.51	11,764.55	418.36	-169.07	415,078.36	842,665.93	32.1373855	-103.3598348	-417.01	10.00	10.00	0.00
11,850.00	26.88	179.51	11,810.08	397.72	-168.90	415,057.72	842,666.10	32.1373288	-103.3598348	-396.38	10.00	10.00	0.00
11,900.00	31.88	179.51	11,853.63	373.20	-168.69	415,033.20	842,666.31	32.1372614	-103.3598349	-371.86	10.00	10.00	0.00
11,950.00	36.88	179.51	11,894.88	344.97	-168.44	415,004.97	842,666.56	32.1371838	-103.3598349	-343.64	10.00	10.00	0.00
12,000.00	41.88	179.51	11,933.52	313.26	-168.17	414,973.26	842,666.83	32.1370966	-103.3598349	-311.93	10.00	10.00	0.00
12,050.00	46.88	179.51	11,969.24	278.30	-167.87	414,938.30	842,667.13	32.1370005	-103.3598350	-276.97	10.00	10.00	0.00
12,100.00	51.88	179.51	12,001.78	240.35	-167.54	414,900.35	842,667.46	32.1368962	-103.3598350	-239.03	10.00	10.00	0.00
12,150.00	56.88	179.51	12,030.89	199.72	-167.19	414,859.72	842,667.81	32.1367846	-103.3598351	-198.40	10.00	10.00	0.00
12,200.00	61.88	179.51	12,056.34	156.71	-166.82	414,816.71	842,668.18	32.1366663	-103.3598352	-155.39	10.00	10.00	0.00
12,250.00	66.88	179.51	12,077.95	111.64	-166.43	414,771.64	842,668.57	32.1365424	-103.3598352	-110.33	10.00	10.00	0.00
12,300.00	71.88	179.51	12,095.55	64.86	-166.03	414,724.86	842,668.97	32.1364138	-103.3598353	-63.55	10.00	10.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,350.00	76.88	179.51	12,109.01	16.72	-165.62	414,676.72	842,669.38	32.1362815	-103.3598354	-15.42	10.00	10.00	0.00
12,400.00	81.88	179.51	12,118.22	-32.41	-165.19	414,627.59	842,669.81	32.1361465	-103.3598354	33.70	10.00	10.00	0.00
12,450.00	86.88	179.51	12,123.11	-82.15	-164.77	414,577.85	842,670.23	32.1360098	-103.3598355	83.44	10.00	10.00	0.00
12,476.17	89.50	179.51	12,123.94	-108.30	-164.54	414,551.70	842,670.46	32.1359379	-103.3598355	109.59	10.00	10.00	0.00
12,500.00	89.50	179.51	12,124.14	-132.13	-164.33	414,527.87	842,670.67	32.1358724	-103.3598356	133.42	0.00	0.00	0.00
12,600.00	89.50	179.51	12,125.02	-232.12	-163.47	414,427.88	842,671.53	32.1355975	-103.3598357	233.40	0.00	0.00	0.00
12,700.00	89.50	179.51	12,125.89	-332.12	-162.61	414,327.88	842,672.39	32.1353227	-103.3598358	333.38	0.00	0.00	0.00
12,800.00	89.50	179.51	12,126.76	-432.11	-161.75	414,227.89	842,673.25	32.1350478	-103.3598360	433.37	0.00	0.00	0.00
12,900.00	89.50	179.51	12,127.63	-532.10	-160.89	414,127.90	842,674.11	32.1347730	-103.3598361	533.35	0.00	0.00	0.00
13,000.00	89.50	179.51	12,128.50	-632.09	-160.03	414,027.91	842,674.97	32.1344981	-103.3598363	633.33	0.00	0.00	0.00
13,100.00	89.50	179.51	12,129.37	-732.09	-159.17	413,927.91	842,675.83	32.1342232	-103.3598364	733.31	0.00	0.00	0.00
13,200.00	89.50	179.51	12,130.24	-832.08	-158.31	413,827.92	842,676.69	32.1339484	-103.3598365	833.30	0.00	0.00	0.00
13,300.00	89.50	179.51	12,131.11	-932.07	-157.45	413,727.93	842,677.55	32.1336735	-103.3598367	933.28	0.00	0.00	0.00
13,400.00	89.50	179.51	12,131.99	-1,032.06	-156.59	413,627.94	842,678.41	32.1333987	-103.3598368	1,033.26	0.00	0.00	0.00
13,500.00	89.50	179.51	12,132.86	-1,132.06	-155.73	413,527.94	842,679.27	32.1331238	-103.3598369	1,133.24	0.00	0.00	0.00
13,600.00	89.50	179.51	12,133.73	-1,232.05	-154.86	413,427.95	842,680.14	32.1328490	-103.3598371	1,233.23	0.00	0.00	0.00
13,700.00	89.50	179.51	12,134.60	-1,332.04	-154.00	413,327.96	842,681.00	32.1325741	-103.3598372	1,333.21	0.00	0.00	0.00
13,800.00	89.50	179.51	12,135.47	-1,432.03	-153.14	413,227.97	842,681.86	32.1322993	-103.3598374	1,433.19	0.00	0.00	0.00
13,900.00	89.50	179.51	12,136.34	-1,532.03	-152.28	413,127.97	842,682.72	32.1320244	-103.3598375	1,533.18	0.00	0.00	0.00
14,000.00	89.50	179.51	12,137.21	-1,632.02	-151.42	413,027.98	842,683.58	32.1317495	-103.3598376	1,633.16	0.00	0.00	0.00
14,100.00	89.50	179.51	12,138.08	-1,732.01	-150.56	412,927.99	842,684.44	32.1314747	-103.3598378	1,733.14	0.00	0.00	0.00
14,200.00	89.50	179.51	12,138.96	-1,832.00	-149.70	412,828.00	842,685.30	32.1311998	-103.3598379	1,833.12	0.00	0.00	0.00
14,300.00	89.50	179.51	12,139.83	-1,932.00	-148.84	412,728.00	842,686.16	32.1309250	-103.3598381	1,933.11	0.00	0.00	0.00
14,400.00	89.50	179.51	12,140.70	-2,031.99	-147.98	412,628.01	842,687.02	32.1306501	-103.3598382	2,033.09	0.00	0.00	0.00
14,500.00	89.50	179.51	12,141.57	-2,131.98	-147.12	412,528.02	842,687.88	32.1303753	-103.3598383	2,133.07	0.00	0.00	0.00
14,600.00	89.50	179.51	12,142.44	-2,231.97	-146.25	412,428.03	842,688.75	32.1301004	-103.3598385	2,233.05	0.00	0.00	0.00
14,700.00	89.50	179.51	12,143.31	-2,331.97	-145.39	412,328.03	842,689.61	32.1298256	-103.3598386	2,333.04	0.00	0.00	0.00
14,800.00	89.50	179.51	12,144.18	-2,431.96	-144.53	412,228.04	842,690.47	32.1295507	-103.3598387	2,433.02	0.00	0.00	0.00
14,900.00	89.50	179.51	12,145.05	-2,531.95	-143.67	412,128.05	842,691.33	32.1292758	-103.3598389	2,533.00	0.00	0.00	0.00
15,000.00	89.50	179.51	12,145.93	-2,631.94	-142.81	412,028.06	842,692.19	32.1290010	-103.3598390	2,632.98	0.00	0.00	0.00
15,100.00	89.50	179.51	12,146.80	-2,731.94	-141.95	411,928.06	842,693.05	32.1287261	-103.3598392	2,732.97	0.00	0.00	0.00
15,200.00	89.50	179.51	12,147.67	-2,831.93	-141.09	411,828.07	842,693.91	32.1284513	-103.3598393	2,832.95	0.00	0.00	0.00
15,300.00	89.50	179.51	12,148.54	-2,931.92	-140.23	411,728.08	842,694.77	32.1281764	-103.3598394	2,932.93	0.00	0.00	0.00
15,400.00	89.50	179.51	12,149.41	-3,031.91	-139.37	411,628.09	842,695.63	32.1279016	-103.3598396	3,032.91	0.00	0.00	0.00
15,500.00	89.50	179.51	12,150.28	-3,131.91	-138.51	411,528.09	842,696.49	32.1276267	-103.3598397	3,132.90	0.00	0.00	0.00
15,600.00	89.50	179.51	12,151.15	-3,231.90	-137.65	411,428.10	842,697.35	32.1273518	-103.3598398	3,232.88	0.00	0.00	0.00
15,700.00	89.50	179.51	12,152.02	-3,331.89	-136.78	411,328.11	842,698.22	32.1270770	-103.3598400	3,332.86	0.00	0.00	0.00
15,800.00	89.50	179.51	12,152.90	-3,431.88	-135.92	411,228.12	842,699.08	32.1268021	-103.3598401	3,432.85	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,900.00	89.50	179.51	12,153.77	-3,531.88	-135.06	411,128.12	842,699.94	32.1265273	-103.3598403	3,532.83	0.00	0.00	0.00
16,000.00	89.50	179.51	12,154.64	-3,631.87	-134.20	411,028.13	842,700.80	32.1262524	-103.3598404	3,632.81	0.00	0.00	0.00
16,100.00	89.50	179.51	12,155.51	-3,731.86	-133.34	410,928.14	842,701.66	32.1259776	-103.3598405	3,732.79	0.00	0.00	0.00
16,200.00	89.50	179.51	12,156.38	-3,831.85	-132.48	410,828.15	842,702.52	32.1257027	-103.3598407	3,832.78	0.00	0.00	0.00
16,300.00	89.50	179.51	12,157.25	-3,931.85	-131.62	410,728.15	842,703.38	32.1254279	-103.3598408	3,932.76	0.00	0.00	0.00
16,400.00	89.50	179.51	12,158.12	-4,031.84	-130.76	410,628.16	842,704.24	32.1251530	-103.3598409	4,032.74	0.00	0.00	0.00
16,500.00	89.50	179.51	12,158.99	-4,131.83	-129.90	410,528.17	842,705.10	32.1248781	-103.3598411	4,132.72	0.00	0.00	0.00
16,600.00	89.50	179.51	12,159.87	-4,231.82	-129.04	410,428.18	842,705.96	32.1246033	-103.3598412	4,232.71	0.00	0.00	0.00
16,700.00	89.50	179.51	12,160.74	-4,331.82	-128.17	410,328.18	842,706.83	32.1243284	-103.3598414	4,332.69	0.00	0.00	0.00
16,800.00	89.50	179.51	12,161.61	-4,431.81	-127.31	410,228.19	842,707.69	32.1240536	-103.3598415	4,432.67	0.00	0.00	0.00
16,900.00	89.50	179.51	12,162.48	-4,531.80	-126.45	410,128.20	842,708.55	32.1237787	-103.3598416	4,532.65	0.00	0.00	0.00
17,000.00	89.50	179.51	12,163.35	-4,631.79	-125.59	410,028.21	842,709.41	32.1235039	-103.3598418	4,632.64	0.00	0.00	0.00
17,100.00	89.50	179.51	12,164.22	-4,731.79	-124.73	409,928.21	842,710.27	32.1232290	-103.3598419	4,732.62	0.00	0.00	0.00
17,200.00	89.50	179.51	12,165.09	-4,831.78	-123.87	409,828.22	842,711.13	32.1229542	-103.3598420	4,832.60	0.00	0.00	0.00
17,300.00	89.50	179.51	12,165.96	-4,931.77	-123.01	409,728.23	842,711.99	32.1226793	-103.3598422	4,932.59	0.00	0.00	0.00
17,400.00	89.50	179.51	12,166.84	-5,031.76	-122.15	409,628.24	842,712.85	32.1224044	-103.3598423	5,032.57	0.00	0.00	0.00
17,500.00	89.50	179.51	12,167.71	-5,131.76	-121.29	409,528.24	842,713.71	32.1221296	-103.3598425	5,132.55	0.00	0.00	0.00
17,600.00	89.50	179.51	12,168.58	-5,231.75	-120.43	409,428.25	842,714.57	32.1218547	-103.3598426	5,232.53	0.00	0.00	0.00
17,700.00	89.50	179.51	12,169.45	-5,331.74	-119.56	409,328.26	842,715.44	32.1215799	-103.3598427	5,332.52	0.00	0.00	0.00
17,800.00	89.50	179.51	12,170.32	-5,431.73	-118.70	409,228.27	842,716.30	32.1213050	-103.3598429	5,432.50	0.00	0.00	0.00
17,900.00	89.50	179.51	12,171.19	-5,531.73	-117.84	409,128.27	842,717.16	32.1210302	-103.3598430	5,532.48	0.00	0.00	0.00
18,000.00	89.50	179.51	12,172.06	-5,631.72	-116.98	409,028.28	842,718.02	32.1207553	-103.3598431	5,632.46	0.00	0.00	0.00
18,100.00	89.50	179.51	12,172.93	-5,731.71	-116.12	408,928.29	842,718.88	32.1204804	-103.3598433	5,732.45	0.00	0.00	0.00
18,200.00	89.50	179.51	12,173.81	-5,831.70	-115.26	408,828.30	842,719.74	32.1202056	-103.3598434	5,832.43	0.00	0.00	0.00
18,300.00	89.50	179.51	12,174.68	-5,931.70	-114.40	408,728.30	842,720.60	32.1199307	-103.3598436	5,932.41	0.00	0.00	0.00
18,400.00	89.50	179.51	12,175.55	-6,031.69	-113.54	408,628.31	842,721.46	32.1196559	-103.3598437	6,032.39	0.00	0.00	0.00
18,500.00	89.50	179.51	12,176.42	-6,131.68	-112.68	408,528.32	842,722.32	32.1193810	-103.3598438	6,132.38	0.00	0.00	0.00
18,600.00	89.50	179.51	12,177.29	-6,231.67	-111.82	408,428.33	842,723.18	32.1191062	-103.3598440	6,232.36	0.00	0.00	0.00
18,700.00	89.50	179.51	12,178.16	-6,331.67	-110.96	408,328.33	842,724.04	32.1188313	-103.3598441	6,332.34	0.00	0.00	0.00
18,800.00	89.50	179.51	12,179.03	-6,431.66	-110.09	408,228.34	842,724.91	32.1185565	-103.3598442	6,432.33	0.00	0.00	0.00
18,900.00	89.50	179.51	12,179.90	-6,531.65	-109.23	408,128.35	842,725.77	32.1182816	-103.3598444	6,532.31	0.00	0.00	0.00
19,000.00	89.50	179.51	12,180.78	-6,631.64	-108.37	408,028.36	842,726.63	32.1180067	-103.3598445	6,632.29	0.00	0.00	0.00
19,100.00	89.50	179.51	12,181.65	-6,731.64	-107.51	407,928.36	842,727.49	32.1177319	-103.3598446	6,732.27	0.00	0.00	0.00
19,200.00	89.50	179.51	12,182.52	-6,831.63	-106.65	407,828.37	842,728.35	32.1174570	-103.3598448	6,832.26	0.00	0.00	0.00
19,300.00	89.50	179.51	12,183.39	-6,931.62	-105.79	407,728.38	842,729.21	32.1171822	-103.3598449	6,932.24	0.00	0.00	0.00
19,400.00	89.50	179.51	12,184.26	-7,031.61	-104.93	407,628.39	842,730.07	32.1169073	-103.3598451	7,032.22	0.00	0.00	0.00
19,500.00	89.50	179.51	12,185.13	-7,131.61	-104.07	407,528.39	842,730.93	32.1166325	-103.3598452	7,132.20	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longituge (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,600.00	89.50	179.51	12,186.00	-7,231.60	-103.21	407,428.40	842,731.79	32.1163576	-103.3598453	7,232.19	0.00	0.00	0.00
19,700.00	89.50	179.51	12,186.87	-7,331.59	-102.35	407,328.41	842,732.65	32.1160827	-103.3598455	7,332.17	0.00	0.00	0.00
19,800.00	89.50	179.51	12,187.75	-7,431.58	-101.48	407,228.42	842,733.52	32.1158079	-103.3598456	7,432.15	0.00	0.00	0.00
19,900.00	89.50	179.51	12,188.62	-7,531.58	-100.62	407,128.42	842,734.38	32.1155330	-103.3598457	7,532.13	0.00	0.00	0.00
20,000.00	89.50	179.51	12,189.49	-7,631.57	-99.76	407,028.43	842,735.24	32.1152582	-103.3598459	7,632.12	0.00	0.00	0.00
20,100.00	89.50	179.51	12,190.36	-7,731.56	-98.90	406,928.44	842,736.10	32.1149833	-103.3598460	7,732.10	0.00	0.00	0.00
20,200.00	89.50	179.51	12,191.23	-7,831.55	-98.04	406,828.45	842,736.96	32.1147085	-103.3598462	7,832.08	0.00	0.00	0.00
20,300.00	89.50	179.51	12,192.10	-7,931.55	-97.18	406,728.45	842,737.82	32.1144336	-103.3598463	7,932.07	0.00	0.00	0.00
20,400.00	89.50	179.51	12,192.97	-8,031.54	-96.32	406,628.46	842,738.68	32.1141588	-103.3598464	8,032.05	0.00	0.00	0.00
20,500.00	89.50	179.51	12,193.85	-8,131.53	-95.46	406,528.47	842,739.54	32.1138839	-103.3598466	8,132.03	0.00	0.00	0.00
20,600.00	89.50	179.51	12,194.72	-8,231.52	-94.60	406,428.48	842,740.40	32.1136090	-103.3598467	8,232.01	0.00	0.00	0.00
20,700.00	89.50	179.51	12,195.59	-8,331.52	-93.74	406,328.48	842,741.26	32.1133342	-103.3598468	8,332.00	0.00	0.00	0.00
20,800.00	89.50	179.51	12,196.46	-8,431.51	-92.88	406,228.49	842,742.12	32.1130593	-103.3598470	8,431.98	0.00	0.00	0.00
20,900.00	89.50	179.51	12,197.33	-8,531.50	-92.01	406,128.50	842,742.99	32.1127845	-103.3598471	8,531.96	0.00	0.00	0.00
21,000.00	89.50	179.51	12,198.20	-8,631.49	-91.15	406,028.51	842,743.85	32.1125096	-103.3598472	8,631.94	0.00	0.00	0.00
21,100.00	89.50	179.51	12,199.07	-8,731.49	-90.29	405,928.51	842,744.71	32.1122348	-103.3598474	8,731.93	0.00	0.00	0.00
21,200.00	89.50	179.51	12,199.94	-8,831.48	-89.43	405,828.52	842,745.57	32.1119599	-103.3598475	8,831.91	0.00	0.00	0.00
21,300.00	89.50	179.51	12,200.82	-8,931.47	-88.57	405,728.53	842,746.43	32.1116850	-103.3598477	8,931.89	0.00	0.00	0.00
21,400.00	89.50	179.51	12,201.69	-9,031.46	-87.71	405,628.54	842,747.29	32.1114102	-103.3598478	9,031.87	0.00	0.00	0.00
21,500.00	89.50	179.51	12,202.56	-9,131.46	-86.85	405,528.54	842,748.15	32.1111353	-103.3598479	9,131.86	0.00	0.00	0.00
21,600.00	89.50	179.51	12,203.43	-9,231.45	-85.99	405,428.55	842,749.01	32.1108605	-103.3598481	9,231.84	0.00	0.00	0.00
21,700.00	89.50	179.51	12,204.30	-9,331.44	-85.13	405,328.56	842,749.87	32.1105856	-103.3598482	9,331.82	0.00	0.00	0.00
21,800.00	89.50	179.51	12,205.17	-9,431.43	-84.27	405,228.57	842,750.73	32.1103108	-103.3598483	9,431.80	0.00	0.00	0.00
21,900.00	89.50	179.51	12,206.04	-9,531.43	-83.40	405,128.57	842,751.60	32.1100359	-103.3598485	9,531.79	0.00	0.00	0.00
22,000.00	89.50	179.51	12,206.91	-9,631.42	-82.54	405,028.58	842,752.46	32.1097610	-103.3598486	9,631.77	0.00	0.00	0.00
22,100.00	89.50	179.51	12,207.79	-9,731.41	-81.68	404,928.59	842,753.32	32.1094862	-103.3598487	9,731.75	0.00	0.00	0.00
22,200.00	89.50	179.51	12,208.66	-9,831.40	-80.82	404,828.60	842,754.18	32.1092113	-103.3598489	9,831.74	0.00	0.00	0.00
22,300.00	89.50	179.51	12,209.53	-9,931.40	-79.96	404,728.60	842,755.04	32.1089365	-103.3598490	9,931.72	0.00	0.00	0.00
22,316.61	89.50	179.51	12,209.67	-9,948.00	-79.82	404,712.00	842,755.18	32.1088908	-103.3598490	9,948.32	0.00	0.00	0.00
Junior Mint Fed 135H LTP													
22,400.00	89.50	179.51	12,210.40	-10,031.39	-79.10	404,628.61	842,755.90	32.1086616	-103.3598492	10,031.70	0.00	0.00	0.00
22,411.61	89.50	179.51	12,210.50	-10,043.00	-79.00	404,617.00	842,756.00	32.1086297	-103.3598492	10,043.31	0.00	0.00	0.00
Junior Mint Fed 135H BHL													

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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 135H	0.00	0.00	11,551.00	410.00	-169.00	415,070.00	842,666.00	32.1373626	-103.3598348
- plan misses target center by 49.64usft at 11581.20usft MD (11551.04 TVD, 459.64 N, -169.43 E)									
- Point									
Junior Mint Fed 135H	0.00	0.00	12,210.00	-9,948.00	-80.00	404,712.00	842,755.00	32.1088908	-103.3598496
- plan misses target center by 0.37usft at 22316.61usft MD (12209.67 TVD, -9948.00 N, -79.82 E)									
- Point									
Junior Mint Fed 135H	0.00	0.00	12,210.50	-10,043.00	-79.00	404,617.00	842,756.00	32.1086297	-103.3598492
- plan hits target center									
- Point									

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 135H

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 135H
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 135H	**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 135H					
Well Position	**+N/-S**	0.00 usft	**Northing:**	414,660.00 usft	**Latitude:**	32.1362315
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3593009
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	22,411.61	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
(O) Montera Federal Com 601H -	3,226.90	3,253.00	415,439.30	841,823.90	32.1383985	-103.3625443	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 137H -	3,220.00	3,246.00	414,845.00	842,835.00	32.1367399	-103.3592955	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 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 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 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

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

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 135H
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 135H	**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	11,594.74	11,580.54	464.83	407.65	8.13	CC, ES
(O) Montera Federal 023H - OH - OH	11,600.00	11,585.77	464.84	407.65	8.13	SF
(O) Montera Federal Com 601H - OH - OH	5,177.11	5,155.29	890.19	860.73	30.22	CC
(O) Montera Federal Com 601H - OH - OH	5,400.00	5,378.02	890.68	860.20	29.23	ES
(O) Montera Federal Com 601H - OH - OH	11,100.00	11,059.65	936.72	881.44	16.95	SF
Junior Mint Fed 131H - OH - Plan 1	800.00	801.00	25.00	18.20	3.67	CC, ES
Junior Mint Fed 131H - OH - Plan 1	22,411.61	22,485.09	660.03	382.31	2.38	SF
Junior Mint Fed 132H - OH - Plan 1	1,754.36	1,741.57	152.44	141.95	14.53	CC
Junior Mint Fed 132H - OH - Plan 1	1,800.00	1,786.75	152.58	141.92	14.31	ES
Junior Mint Fed 132H - OH - Plan 1	22,411.61	22,428.60	660.03	380.32	2.36	SF
Junior Mint Fed 133H - OH - Plan 1	12,593.15	12,561.66	2,037.31	1,999.17	53.42	CC
Junior Mint Fed 133H - OH - Plan 1	22,411.61	22,379.08	2,042.34	1,751.38	7.02	ES, SF
Junior Mint Fed 137H - OH - Plan 1	300.00	300.00	185.00	181.04	46.69	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	398.83	185.31	180.66	39.80	ES
Junior Mint Fed 137H - OH - Plan 1	22,411.61	22,512.90	1,320.07	1,039.58	4.71	SF
Junior Mint Fed 151H - OH - Plan 1	416.33	417.33	25.00	20.24	5.25	CC
Junior Mint Fed 151H - OH - Plan 1	500.00	501.00	25.00	19.73	4.74	ES
Junior Mint Fed 151H - OH - Plan 1	22,411.61	22,008.51	907.90	662.07	3.69	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	300.00	210.00	206.04	53.00	CC, ES
Junior Mint Fed 152H - OH - Plan 1	22,411.61	21,935.47	723.39	499.36	3.23	SF
Junior Mint Fed 156H - OH - Plan 1	4,040.55	4,158.11	2,170.68	2,149.80	103.99	CC
Junior Mint Fed 156H - OH - Plan 1	22,411.61	21,915.80	2,275.39	1,992.52	8.04	ES, SF
Junior Mint Fed 211H - OH - Plan 1	216.33	217.33	25.00	21.74	7.66	CC
Junior Mint Fed 211H - OH - Plan 1	300.00	300.99	25.00	21.03	6.30	ES
Junior Mint Fed 211H - OH - Plan 1	22,411.61	22,892.95	1,011.65	752.30	3.90	SF
Junior Mint Fed 212H - OH - Plan 1	2,440.22	2,427.86	52.21	39.46	4.10	CC, ES
Junior Mint Fed 212H - OH - Plan 1	22,411.61	22,793.08	546.80	336.53	2.60	SF
Junior Mint Fed 213H - OH - Plan 1	11,639.41	11,724.62	1,707.03	1,672.94	50.08	CC
Junior Mint Fed 213H - OH - Plan 1	22,411.61	22,821.51	1,736.43	1,448.98	6.04	ES, SF
Junior Mint Fed 215H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC, ES
Junior Mint Fed 215H - OH - Plan 1	22,411.61	22,803.34	448.47	279.07	2.65	SF
Junior Mint Fed 216H - OH - Plan 1	11,600.00	11,603.91	2,417.04	2,384.87	75.14	ES
Junior Mint Fed 216H - OH - Plan 1	11,648.57	11,652.33	2,417.04	2,384.88	75.17	CC
Junior Mint Fed 216H - OH - Plan 1	12,250.00	12,330.09	2,430.36	2,397.82	74.69	SF
Junior Mint Fed 217H - OH - Plan 1	2,077.70	2,067.72	137.83	126.37	12.03	CC
Junior Mint Fed 217H - OH - Plan 1	2,100.00	2,089.65	137.89	126.35	11.95	ES
Junior Mint Fed 217H - OH - Plan 1	22,411.61	22,873.53	1,158.00	891.53	4.35	SF
Junior Mint Fed 221H - OH - Plan 1	812.15	813.21	35.26	28.40	5.14	CC, ES
Junior Mint Fed 221H - OH - Plan 1	1,000.00	1,000.92	37.19	29.52	4.85	SF
Junior Mint Fed 222H - OH - Plan 1	2,073.34	2,063.55	75.34	63.94	6.61	CC, ES
Junior Mint Fed 222H - OH - Plan 1	22,411.61	23,178.29	1,021.69	812.06	4.87	SF
Junior Mint Fed 223H - OH - Plan 1	11,642.47	11,688.95	1,936.02	1,902.26	57.34	CC
Junior Mint Fed 223H - OH - Plan 1	22,411.61	23,127.55	2,138.06	1,857.30	7.62	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	4.13	4.13	0.50	0.01	16.55	703.56	209.06	733.96				

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

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Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 135H	**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
100.00	100.00	107.25	107.24	0.98	0.15	16.55	703.33	208.96	733.72	732.59	1.13	648.717	
200.00	200.00	207.00	207.00	1.56	0.50	16.55	702.98	208.86	733.35	731.29	2.06	355.871	
300.00	300.00	308.44	308.44	1.98	0.86	16.54	702.50	208.64	732.85	730.01	2.84	258.371	
400.00	400.00	408.84	408.84	2.33	1.21	16.53	701.90	208.31	732.18	728.64	3.54	207.026	
500.00	500.00	509.20	509.19	2.63	1.56	16.48	701.46	207.53	731.53	727.34	4.19	174.464	
600.00	600.00	609.69	609.67	2.91	1.91	16.40	701.04	206.27	730.78	725.96	4.82	151.602	
700.00	700.00	708.89	708.86	3.16	2.26	16.31	700.62	205.06	730.03	724.61	5.42	134.654	
800.00	800.00	803.53	803.50	3.40	2.59	16.24	700.64	204.07	729.76	723.77	5.99	121.852	
838.54	838.53	839.41	839.37	3.51	2.71	36.45	700.85	203.70	729.71	723.49	6.22	117.397	
900.00	899.99	899.54	899.50	3.68	2.92	36.45	701.35	203.20	729.16	722.58	6.58	110.786	
1,000.00	999.91	999.22	999.17	3.94	3.27	36.59	702.17	202.52	726.60	719.42	7.17	101.284	
1,100.00	1,099.77	1,100.87	1,100.82	4.15	3.63	36.77	702.93	201.76	722.90	715.17	7.73	93.495	
1,200.00	1,199.63	1,201.04	1,200.99	4.35	3.98	36.93	703.63	200.87	719.13	710.85	8.28	86.853	
1,250.43	1,250.00	1,252.41	1,252.35	4.40	4.16	37.02	703.94	200.38	717.17	708.67	8.51	84.290	
1,300.00	1,299.48	1,301.89	1,301.83	4.45	4.33	37.14	704.20	199.89	714.96	706.22	8.73	81.881	
1,400.00	1,399.17	1,400.53	1,400.46	4.69	4.68	37.50	704.84	199.13	709.11	699.81	9.30	76.250	
1,500.00	1,498.62	1,500.00	1,499.93	4.93	5.02	38.02	705.43	198.46	701.21	691.34	9.87	71.067	
1,550.47	1,548.70	1,549.78	1,549.71	4.99	5.20	38.35	705.74	198.20	696.49	686.39	10.10	68.983	
1,600.00	1,597.81	1,598.56	1,598.48	5.05	5.37	38.65	706.03	197.96	691.62	681.30	10.32	67.018	
1,700.00	1,696.95	1,696.49	1,696.41	5.25	5.71	39.29	706.78	197.68	682.06	671.21	10.85	62.837	
1,800.00	1,796.09	1,795.14	1,795.06	5.44	6.06	39.96	707.57	197.68	672.73	661.34	11.39	59.059	
1,900.00	1,895.24	1,893.90	1,893.81	5.64	6.40	40.67	708.32	197.81	663.50	651.57	11.93	55.631	
2,000.00	1,994.38	1,993.05	1,992.96	5.83	6.75	41.42	709.06	198.19	654.45	641.99	12.46	52.508	
2,100.00	2,093.53	2,091.82	2,091.73	6.03	7.09	42.20	709.75	198.67	645.51	632.51	13.00	49.659	
2,200.00	2,192.67	2,191.55	2,191.46	6.22	7.44	43.01	710.44	199.17	636.70	623.16	13.54	47.035	
2,300.00	2,291.82	2,288.85	2,288.75	6.42	7.78	43.85	711.05	200.07	628.12	614.05	14.07	44.655	
2,400.00	2,390.96	2,386.67	2,386.56	6.61	8.12	44.75	711.78	201.31	619.93	605.33	14.60	42.471	
2,500.00	2,490.11	2,483.68	2,483.55	6.81	8.46	45.69	712.65	202.88	612.19	597.07	15.12	40.479	
2,600.00	2,589.25	2,578.88	2,578.72	7.00	8.79	46.66	713.83	204.89	605.15	589.51	15.64	38.683	
2,700.00	2,688.39	2,675.02	2,674.82	7.20	9.13	47.67	715.44	207.25	598.84	582.67	16.17	37.042	
2,800.00	2,787.54	2,787.81	2,787.56	7.39	9.53	48.89	717.27	210.14	592.85	576.11	16.75	35.404	
2,900.00	2,886.68	2,867.86	2,867.55	7.59	9.81	49.80	718.24	212.35	586.70	569.48	17.21	34.089	
3,000.00	2,985.83	2,966.02	2,965.62	7.78	10.16	50.90	721.05	215.58	582.46	564.72	17.74	32.837	
3,100.00	3,084.97	3,074.18	3,073.68	7.98	10.54	52.23	723.06	219.55	577.81	559.51	18.30	31.571	
3,200.00	3,184.12	3,172.18	3,171.61	8.17	10.89	53.51	723.90	223.19	572.63	553.80	18.83	30.413	
3,300.00	3,283.26	3,271.01	3,270.37	8.36	11.24	54.80	724.98	226.87	567.93	548.57	19.36	29.339	
3,400.00	3,382.40	3,381.05	3,380.36	8.56	11.63	56.22	725.59	229.89	562.54	542.61	19.92	28.236	
3,500.00	3,481.55	3,482.78	3,482.08	8.75	11.98	57.48	725.65	231.45	556.32	535.86	20.46	27.193	
3,600.00	3,580.69	3,582.96	3,582.25	8.95	12.33	58.71	725.66	232.32	549.92	528.93	20.99	26.201	
3,700.00	3,679.84	3,682.74	3,682.03	9.14	12.68	59.92	725.81	232.85	543.67	522.15	21.52	25.267	
3,800.00	3,778.98	3,781.70	3,780.99	9.33	13.03	61.14	725.83	233.22	537.47	515.43	22.04	24.384	
3,900.00	3,878.13	3,875.00	3,874.29	9.53	13.35	62.35	726.01	234.10	532.03	509.48	22.55	23.593	
4,000.00	3,977.27	3,965.09	3,964.32	9.72	13.67	63.72	726.07	237.20	528.46	505.41	23.04	22.933	
4,100.00	4,076.42	4,057.64	4,056.70	9.91	14.00	65.36	725.75	242.75	526.78	503.24	23.54	22.376	
4,200.00	4,175.56	4,158.66	4,157.46	10.11	14.37	67.28	724.89	249.94	526.08	502.00	24.07	21.852	
4,300.00	4,274.70	4,273.24	4,271.64	10.30	14.78	69.75	720.55	258.38	524.30	499.65	24.66	21.262	
4,400.00	4,373.85	4,405.54	4,403.63	10.49	15.24	72.40	712.70	261.16	517.77	492.52	25.25	20.506	
4,500.00	4,472.99	4,500.00	4,497.96	10.69	15.58	73.71	709.88	257.23	508.81	483.05	25.77	19.748	
4,600.00	4,572.14	4,581.76	4,579.60	10.88	15.87	74.44	711.75	253.32	502.71	476.45	26.26	19.142	
4,689.25	4,660.62	4,650.00	4,647.73	11.06	16.11	75.02	715.05	251.81	500.60	473.94	26.67	18.771	
4,700.00	4,671.28	4,658.25	4,655.97	11.08	16.14	75.11	715.43	251.91	500.63	473.91	26.72	18.739	
4,702.13	4,673.39	4,659.80	4,657.53	11.08	16.14	75.12	715.50	251.93	500.64	473.92	26.72	18.733	

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 135H
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 135H	**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
4,800.00	4,770.58	4,735.90	4,733.45	11.28	16.42	76.14	718.35	255.79	503.92	476.80	27.12	18.584	
4,900.00	4,870.15	4,829.40	4,826.49	11.48	16.77	77.58	720.12	264.87	511.01	483.44	27.58	18.531	
5,000.00	4,969.93	4,963.80	4,960.34	11.67	17.27	79.62	716.41	275.99	515.24	486.99	28.25	18.241	
5,100.00	5,069.85	5,079.64	5,075.99	11.85	17.67	80.84	711.47	280.11	515.49	486.72	28.77	17.918	
5,200.00	5,169.84	5,190.55	5,186.82	11.99	18.06	81.39	707.49	280.60	513.93	484.68	29.25	17.571	
5,202.16	5,172.00	5,192.85	5,189.12	12.00	18.06	61.16	707.42	280.57	513.87	484.62	29.26	17.563	
5,300.00	5,269.84	5,293.65	5,289.87	12.08	18.42	61.22	705.51	278.26	511.01	481.32	29.69	17.213	
5,400.00	5,369.84	5,392.60	5,388.77	12.17	18.77	61.16	704.60	275.43	508.07	477.94	30.12	16.866	
5,500.00	5,469.84	5,491.80	5,487.93	12.26	19.12	61.09	703.79	272.59	505.16	474.60	30.56	16.530	
5,600.00	5,569.84	5,590.12	5,586.21	12.34	19.47	61.02	703.01	269.98	502.46	471.46	31.00	16.211	
5,700.00	5,669.84	5,687.34	5,683.41	12.43	19.81	60.98	702.29	267.93	500.26	468.83	31.43	15.918	
5,800.00	5,769.84	5,786.71	5,782.77	12.52	20.16	60.95	701.57	266.21	498.38	466.52	31.86	15.641	
5,900.00	5,869.84	5,885.61	5,881.65	12.61	20.50	60.94	700.87	264.66	496.67	464.38	32.30	15.378	
6,000.00	5,969.84	5,985.15	5,981.18	12.69	20.85	60.92	700.22	263.17	495.06	462.32	32.73	15.123	
6,100.00	6,069.84	6,085.71	6,081.72	12.78	21.20	60.89	699.67	261.72	493.52	460.35	33.17	14.877	
6,200.00	6,169.84	6,185.27	6,181.27	12.87	21.55	60.93	698.69	260.53	492.00	458.39	33.61	14.639	
6,300.00	6,269.84	6,284.38	6,280.37	12.96	21.90	60.98	697.61	259.46	490.53	456.49	34.04	14.409	
6,400.00	6,369.84	6,383.15	6,379.13	13.04	22.24	61.04	696.55	258.68	489.32	454.84	34.48	14.193	
6,500.00	6,469.84	6,482.22	6,478.19	13.13	22.59	61.09	695.66	257.95	488.24	453.33	34.91	13.985	
6,600.00	6,569.84	6,581.96	6,577.93	13.22	22.93	61.14	694.88	257.35	487.33	451.99	35.35	13.787	
6,700.00	6,669.84	6,681.23	6,677.19	13.30	23.28	61.18	694.15	256.83	486.53	450.75	35.78	13.597	
6,800.00	6,769.84	6,781.63	6,777.59	13.39	23.63	61.23	693.38	256.29	485.68	449.46	36.22	13.410	
6,900.00	6,869.84	6,881.14	6,877.10	13.48	23.97	61.27	692.72	255.79	484.92	448.27	36.65	13.230	
7,000.00	6,969.84	6,979.68	6,975.63	13.56	24.31	61.32	692.09	255.53	484.38	447.30	37.09	13.061	
7,100.00	7,069.84	7,079.79	7,075.74	13.65	24.66	61.37	691.58	255.35	483.98	446.46	37.52	12.898	
7,200.00	7,169.84	7,180.03	7,175.98	13.74	25.01	61.42	690.91	255.19	483.52	445.56	37.96	12.738	
7,300.00	7,269.84	7,278.82	7,274.77	13.82	25.35	61.49	690.26	255.21	483.22	444.83	38.39	12.586	
7,400.00	7,369.84	7,377.98	7,373.93	13.91	25.69	61.55	689.80	255.28	483.07	444.24	38.83	12.441	
7,432.08	7,401.92	7,409.97	7,405.92	13.94	25.80	61.56	689.69	255.33	483.05	444.09	38.97	12.396	
7,500.00	7,469.84	7,477.58	7,473.53	14.00	26.04	61.59	689.51	255.46	483.08	443.82	39.26	12.304	
7,600.00	7,569.84	7,576.62	7,572.56	14.08	26.38	61.63	689.30	255.81	483.30	443.60	39.70	12.175	
7,700.00	7,669.84	7,675.30	7,671.24	14.17	26.73	61.65	689.24	256.01	483.45	443.32	40.13	12.048	
7,800.00	7,769.84	7,776.15	7,772.09	14.26	27.08	61.65	689.34	256.35	483.79	443.22	40.57	11.926	
7,900.00	7,869.84	7,874.68	7,870.62	14.34	27.42	61.63	689.78	256.81	484.42	443.42	41.00	11.816	
8,000.00	7,969.84	7,974.40	7,970.34	14.43	27.77	61.61	690.25	257.20	484.98	443.55	41.43	11.705	
8,100.00	8,069.84	8,073.61	8,069.54	14.51	28.11	61.57	690.94	257.90	485.93	444.06	41.87	11.607	
8,200.00	8,169.84	8,172.50	8,168.43	14.60	28.46	61.54	691.65	258.61	486.90	444.60	42.30	11.511	
8,300.00	8,269.84	8,273.18	8,269.11	14.69	28.81	61.50	692.44	259.40	487.97	445.23	42.74	11.418	
8,400.00	8,369.84	8,371.93	8,367.85	14.77	29.15	61.46	693.31	260.22	489.11	445.95	43.17	11.330	
8,500.00	8,469.84	8,471.12	8,467.03	14.86	29.50	61.41	694.24	261.08	490.33	446.73	43.60	11.245	
8,600.00	8,569.84	8,571.05	8,566.95	14.94	29.85	61.36	695.28	262.06	491.69	447.65	44.04	11.165	
8,700.00	8,669.84	8,671.30	8,667.18	15.03	30.20	61.32	696.21	263.08	493.03	448.55	44.48	11.085	
8,800.00	8,769.84	8,772.93	8,768.81	15.12	30.55	61.29	697.02	264.06	494.26	449.34	44.92	11.004	
8,900.00	8,869.84	8,870.96	8,866.83	15.20	30.90	61.26	697.90	265.00	495.53	450.18	45.35	10.927	
9,000.00	8,969.84	8,968.76	8,964.62	15.29	31.24	61.24	698.78	266.34	497.17	451.39	45.77	10.861	
9,100.00	9,069.84	9,066.43	9,062.27	15.37	31.58	61.32	699.21	268.48	499.29	453.09	46.20	10.807	
9,200.00	9,169.84	9,165.32	9,161.11	15.46	31.93	61.50	698.99	271.44	501.81	455.18	46.63	10.761	
9,300.00	9,269.84	9,265.83	9,261.57	15.54	32.29	61.69	698.77	274.43	504.33	457.26	47.07	10.714	
9,400.00	9,369.84	9,366.04	9,361.75	15.63	32.64	61.89	698.24	277.34	506.64	459.13	47.51	10.665	
9,500.00	9,469.84	9,472.02	9,467.68	15.71	33.02	62.15	697.17	280.15	508.50	460.54	47.96	10.602	
9,600.00	9,569.84	9,586.10	9,581.73	15.80	33.41	62.42	695.07	281.37	508.63	460.19	48.44	10.500	
9,700.00	9,669.84	9,688.31	9,683.90	15.89	33.77	62.58	692.96	280.35	506.79	457.91	48.88	10.368	

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 135H
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 135H	**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
9,800.00	9,769.84	9,788.74	9,784.31	15.97	34.12	62.72	690.92	279.14	504.80	455.48	49.32	10.236	
9,900.00	9,869.84	9,890.84	9,886.38	16.06	34.48	62.87	688.71	277.69	502.54	452.79	49.75	10.100	
10,000.00	9,969.84	9,991.50	9,986.99	16.14	34.83	63.04	686.21	276.02	499.93	449.74	50.19	9.961	
10,100.00	10,069.84	10,093.60	10,089.04	16.23	35.19	63.19	683.75	274.07	497.14	446.51	50.63	9.819	
10,200.00	10,169.84	10,192.47	10,187.87	16.31	35.54	63.23	682.15	271.57	494.15	443.09	51.06	9.678	
10,300.00	10,269.84	10,291.42	10,286.78	16.40	35.89	63.17	681.38	268.89	491.39	439.89	51.49	9.543	
10,400.00	10,369.84	10,389.70	10,385.03	16.48	36.24	63.11	680.75	266.52	488.95	437.02	51.92	9.417	
10,500.00	10,469.84	10,486.36	10,481.67	16.57	36.58	63.04	680.39	264.61	487.01	434.66	52.35	9.303	
10,600.00	10,569.84	10,583.26	10,578.55	16.65	36.92	62.94	680.67	263.22	485.86	433.08	52.78	9.206	
10,700.00	10,669.84	10,686.07	10,681.35	16.74	37.28	62.80	681.21	261.63	484.73	431.51	53.22	9.108	
10,800.00	10,769.84	10,787.46	10,782.72	16.82	37.63	62.66	681.37	259.47	482.91	429.24	53.66	8.999	
10,900.00	10,869.84	10,888.16	10,883.40	16.91	37.99	62.53	681.46	257.29	481.03	426.93	54.10	8.891	
11,000.00	10,969.84	10,989.85	10,985.05	16.99	38.35	62.38	681.62	254.80	478.93	424.39	54.54	8.781	
11,100.00	11,069.84	11,096.14	11,091.27	17.08	38.72	62.09	682.32	250.91	476.00	421.00	55.00	8.655	
11,200.00	11,169.84	11,195.13	11,190.04	17.16	39.08	61.43	685.48	245.24	472.46	417.02	55.44	8.522	
11,300.00	11,269.84	11,291.11	11,285.66	17.25	39.42	60.49	690.78	238.88	469.34	413.46	55.89	8.398	
11,400.00	11,369.84	11,386.93	11,381.21	17.33	39.75	59.63	695.92	233.80	467.41	411.09	56.33	8.298	
11,500.00	11,469.84	11,486.11	11,480.13	17.42	40.10	58.77	701.16	228.97	465.93	409.15	56.78	8.206	
11,581.16	11,551.00	11,566.71	11,560.53	17.48	40.39	58.09	705.34	225.21	464.91	407.78	57.14	8.137	
11,594.74	11,564.58	11,580.54	11,574.34	17.48	40.43	-121.54	705.99	224.61	464.83	407.65	57.18	8.129	CC, ES
11,600.00	11,569.83	11,585.77	11,579.55	17.48	40.44	-121.60	706.23	224.38	464.84	407.65	57.19	8.128	SF
11,650.00	11,619.67	11,635.25	11,628.95	17.49	40.54	-122.22	708.30	222.37	466.28	409.00	57.28	8.141	
11,700.00	11,668.99	11,681.62	11,675.26	17.51	40.54	-122.94	710.05	220.77	470.30	413.03	57.27	8.212	
11,750.00	11,717.40	11,726.91	11,720.50	17.51	40.55	-123.75	711.67	219.56	477.21	419.97	57.24	8.336	
11,800.00	11,764.55	11,772.00	11,765.56	17.52	40.55	-124.62	713.24	218.68	487.15	429.93	57.22	8.514	
11,850.00	11,810.08	11,803.00	11,796.53	17.52	40.55	-124.86	714.43	218.29	500.53	443.34	57.19	8.751	
11,900.00	11,853.63	11,835.00	11,828.47	17.52	40.55	-125.01	716.42	218.33	518.11	460.93	57.18	9.062	
11,950.00	11,894.88	11,866.00	11,859.34	17.53	40.55	-124.97	719.19	218.56	539.80	482.63	57.17	9.442	
12,000.00	11,933.52	11,886.77	11,879.97	17.53	40.56	-123.98	721.59	218.68	565.42	508.25	57.18	9.889	
12,050.00	11,969.24	11,898.00	11,891.09	17.53	40.56	-121.77	723.20	218.76	595.12	537.92	57.20	10.404	
12,100.00	12,001.78	11,915.38	11,908.20	17.53	40.56	-119.51	726.21	218.87	628.40	571.16	57.24	10.979	
12,150.00	12,030.89	11,929.00	11,921.52	17.53	40.56	-116.22	729.06	218.91	664.92	607.64	57.29	11.607	
12,200.00	12,056.34	11,929.00	11,921.52	17.53	40.56	-110.46	729.06	218.91	704.02	646.67	57.35	12.275	
12,250.00	12,077.95	11,929.00	11,921.52	17.54	40.56	-103.46	729.06	218.91	745.28	687.85	57.42	12.978	
12,300.00	12,095.55	11,938.34	11,930.60	17.55	40.56	-96.66	731.25	218.93	787.92	730.43	57.50	13.704	
12,350.00	12,109.01	11,938.82	11,931.07	17.56	40.56	-87.69	731.37	218.93	831.69	774.12	57.57	14.446	
12,400.00	12,118.22	11,929.00	11,921.52	17.58	40.56	-76.80	729.06	218.91	876.15	818.50	57.65	15.197	
12,450.00	12,123.11	11,929.00	11,921.52	17.60	40.56	-67.56	729.06	218.91	920.62	862.89	57.72	15.949	
12,476.17	12,123.94	11,929.00	11,921.52	17.61	40.56	-62.99	729.06	218.91	943.83	886.08	57.75	16.342	
12,500.00	12,124.14	11,929.00	11,921.52	17.62	40.56	-62.99	729.06	218.91	965.00	907.21	57.78	16.701	
12,600.00	12,125.02	11,929.00	11,921.52	17.69	40.56	-62.99	729.06	218.91	1,055.06	997.15	57.90	18.221	
12,700.00	12,125.89	11,929.00	11,921.52	17.79	40.56	-62.99	729.06	218.91	1,146.76	1,088.75	58.02	19.766	
12,800.00	12,126.76	11,913.40	11,906.26	17.95	40.56	-61.23	725.83	218.86	1,239.39	1,181.24	58.15	21.313	
12,900.00	12,127.63	11,898.00	11,891.09	18.21	40.56	-59.54	723.20	218.76	1,333.33	1,275.05	58.28	22.877	
13,000.00	12,128.50	11,898.00	11,891.09	18.61	40.56	-59.54	723.20	218.76	1,427.79	1,369.41	58.38	24.457	
13,100.00	12,129.37	11,898.00	11,891.09	19.18	40.56	-59.54	723.20	218.76	1,522.95	1,464.48	58.47	26.046	
13,200.00	12,130.24	11,898.00	11,891.09	19.87	40.56	-59.54	723.20	218.76	1,618.70	1,560.14	58.56	27.642	
13,300.00	12,131.11	11,898.00	11,891.09	20.66	40.56	-59.54	723.20	218.76	1,714.93	1,656.29	58.64	29.244	
13,400.00	12,131.99	11,898.00	11,891.09	21.53	40.56	-59.54	723.20	218.76	1,811.58	1,752.85	58.72	30.849	
13,500.00	12,132.86	11,898.00	11,891.09	22.45	40.56	-59.54	723.20	218.76	1,908.56	1,849.76	58.80	32.457	
13,600.00	12,133.73	11,885.05	11,878.27	23.43	40.56	-58.15	721.36	218.67	2,005.66	1,946.74	58.92	34.042	
13,700.00	12,134.60	11,882.43	11,875.66	24.44	40.56	-57.88	721.03	218.66	2,103.12	2,044.11	59.00	35.644	

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 135H
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 135H	**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
13,800.00	12,135.47	11,879.99	11,873.25	25.50	40.56	-57.62	720.73	218.64	2,200.79	2,141.70	59.09	37.246	
13,900.00	12,136.34	11,866.00	11,859.34	26.58	40.55	-56.18	719.19	218.56	2,298.80	2,239.59	59.21	38.826	
14,000.00	12,137.21	11,866.00	11,859.34	27.69	40.55	-56.18	719.19	218.56	2,396.78	2,337.49	59.29	40.428	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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 Com 601H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_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	6.67	6.67	0.50	0.01	-52.38	779.30	-1,011.10	1,276.57				
100.00	100.00	103.00	103.00	0.98	0.14	-52.39	779.25	-1,011.39	1,276.78	1,275.66	1.12	1,138.676	
200.00	200.00	209.31	209.31	1.56	0.51	-52.40	779.07	-1,011.54	1,276.78	1,274.71	2.07	616.138	
207.03	207.03	214.04	214.04	1.59	0.53	-52.40	779.06	-1,011.54	1,276.77	1,274.66	2.12	602.836	
300.00	300.00	303.29	303.29	1.98	0.84	-52.41	778.93	-1,011.98	1,277.05	1,274.23	2.82	452.736	
400.00	400.00	411.28	411.28	2.33	1.22	-52.44	778.47	-1,012.33	1,277.04	1,273.50	3.55	360.134	
500.00	500.00	510.54	510.53	2.63	1.57	-52.46	777.84	-1,012.38	1,276.70	1,272.50	4.20	304.163	
600.00	600.00	611.98	611.97	2.91	1.92	-52.49	777.20	-1,012.54	1,276.44	1,271.61	4.83	264.423	
700.00	700.00	712.08	712.07	3.16	2.27	-52.52	776.54	-1,012.59	1,276.08	1,270.65	5.43	234.976	
800.00	800.00	819.23	819.21	3.40	2.65	-52.54	775.61	-1,012.33	1,275.36	1,269.32	6.04	211.087	
900.00	899.99	919.26	919.24	3.68	3.00	-32.37	774.83	-1,011.84	1,273.38	1,266.73	6.65	191.370	
1,000.00	999.91	1,021.14	1,021.12	3.94	3.35	-32.48	774.65	-1,010.79	1,269.15	1,261.89	7.26	174.843	
1,100.00	1,099.77	1,119.62	1,119.58	4.15	3.70	-32.56	774.90	-1,009.33	1,263.71	1,255.91	7.81	161.878	
1,200.00	1,199.63	1,218.06	1,218.02	4.35	4.04	-32.64	775.16	-1,007.84	1,258.26	1,249.91	8.35	150.709	
1,250.43	1,250.00	1,269.83	1,269.77	4.40	4.22	-32.67	775.33	-1,007.04	1,255.51	1,246.93	8.58	146.346	
1,300.00	1,299.48	1,318.45	1,318.38	4.45	4.39	-32.74	775.51	-1,006.30	1,252.57	1,243.77	8.80	142.341	
1,400.00	1,399.17	1,419.30	1,419.23	4.69	4.74	-32.96	775.60	-1,004.91	1,244.93	1,235.55	9.38	132.731	
1,500.00	1,498.62	1,521.91	1,521.83	4.93	5.10	-33.28	775.42	-1,003.47	1,234.95	1,224.98	9.96	123.983	
1,550.47	1,548.70	1,572.31	1,572.23	4.99	5.28	-33.48	775.20	-1,002.82	1,229.06	1,218.86	10.19	120.573	
1,600.00	1,597.81	1,620.83	1,620.74	5.05	5.45	-33.63	775.03	-1,002.16	1,223.02	1,212.60	10.42	117.415	
1,700.00	1,696.95	1,720.50	1,720.40	5.25	5.80	-33.96	774.42	-1,000.89	1,210.75	1,199.80	10.96	110.504	
1,800.00	1,796.09	1,820.06	1,819.95	5.44	6.15	-34.30	773.68	-999.62	1,198.45	1,186.96	11.50	104.248	
1,900.00	1,895.24	1,922.00	1,921.87	5.64	6.51	-34.66	772.87	-998.19	1,186.06	1,174.02	12.04	98.484	
2,000.00	1,994.38	2,004.68	2,004.54	5.83	6.79	-35.01	771.56	-998.15	1,174.37	1,161.85	12.52	93.763	
2,100.00	2,093.53	2,100.37	2,100.20	6.03	7.13	-35.50	769.34	-999.58	1,163.58	1,150.53	13.05	89.162	
2,200.00	2,192.67	2,202.34	2,202.13	6.22	7.49	-36.03	766.91	-1,001.17	1,152.91	1,139.31	13.60	84.793	
2,300.00	2,291.82	2,302.97	2,302.71	6.42	7.84	-36.55	764.50	-1,002.47	1,142.10	1,127.96	14.14	80.779	
2,400.00	2,390.96	2,400.18	2,399.89	6.61	8.18	-37.06	762.24	-1,003.43	1,131.17	1,116.51	14.67	77.115	
2,500.00	2,490.11	2,505.40	2,505.09	6.81	8.55	-37.60	760.08	-1,003.97	1,120.08	1,104.86	15.22	73.571	
2,600.00	2,589.25	2,608.58	2,608.26	7.00	8.91	-38.10	758.37	-1,004.22	1,109.07	1,093.30	15.77	70.317	
2,700.00	2,688.39	2,703.77	2,703.43	7.20	9.25	-38.58	756.79	-1,004.20	1,097.91	1,081.61	16.29	67.381	
2,800.00	2,787.54	2,800.00	2,799.64	7.39	9.59	-39.10	754.66	-1,004.60	1,086.92	1,070.10	16.82	64.622	
2,900.00	2,886.68	2,895.71	2,895.22	7.59	9.93	-39.77	750.58	-1,006.94	1,076.73	1,059.38	17.35	62.070	
3,000.00	2,985.83	2,992.46	2,991.86	7.78	10.27	-40.46	746.39	-1,009.27	1,066.64	1,048.77	17.88	59.661	
3,100.00	3,084.97	3,094.08	3,093.38	7.98	10.63	-41.18	742.44	-1,011.43	1,056.69	1,038.26	18.42	57.352	
3,200.00	3,184.12	3,191.96	3,191.20	8.17	10.98	-41.83	739.33	-1,012.91	1,046.69	1,027.73	18.96	55.214	
3,300.00	3,283.26	3,296.25	3,295.36	8.36	11.35	-42.60	734.74	-1,014.81	1,036.53	1,017.02	19.51	53.121	
3,400.00	3,382.40	3,394.44	3,393.26	8.56	11.71	-43.50	727.93	-1,017.80	1,026.52	1,006.47	20.06	51.184	
3,500.00	3,481.55	3,498.57	3,497.17	8.75	12.09	-44.42	721.39	-1,020.12	1,016.32	995.71	20.62	49.297	
3,600.00	3,580.69	3,596.61	3,595.01	8.95	12.45	-45.29	715.41	-1,022.04	1,006.20	985.04	21.16	47.559	
3,700.00	3,679.84	3,698.12	3,696.31	9.14	12.82	-46.20	709.36	-1,024.01	996.37	974.66	21.71	45.898	
3,800.00	3,778.98	3,794.46	3,792.51	9.33	13.17	-47.02	704.35	-1,025.42	986.63	964.39	22.24	44.360	
3,900.00	3,878.13	3,894.64	3,892.56	9.53	13.54	-47.88	699.44	-1,026.63	977.00	954.21	22.78	42.879	
4,000.00	3,977.27	3,972.88	3,970.63	9.72	13.82	-48.64	694.75	-1,028.99	968.79	945.52	23.26	41.648	
4,100.00	4,076.42	4,057.48	4,054.96	9.91	14.14	-49.51	689.46	-1,032.93	962.34	938.59	23.76	40.510	
4,200.00	4,175.56	4,150.00	4,147.28	10.11	14.48	-50.38	685.44	-1,037.63	957.22	932.95	24.27	39.439	
4,300.00	4,274.70	4,244.81	4,241.96	10.30	14.81	-51.12	684.10	-1,042.15	952.97	928.19	24.78	38.454	
4,400.00	4,373.85	4,350.40	4,347.47	10.49	15.18	-51.78	685.27	-1,046.30	948.90	923.57	25.33	37.464	
4,500.00	4,472.99	4,495.59	4,492.56	10.69	15.69	-52.45	689.78	-1,047.25	942.63	916.62	26.01	36.240	
4,600.00	4,572.14	4,621.61	4,618.48	10.88	16.12	-53.21	689.05	-1,042.54	930.71	904.11	26.60	34.992	
4,700.00	4,671.28	4,716.39	4,713.15	11.08	16.45	-53.92	686.56	-1,039.01	918.60	891.49	27.11	33.879	
4,702.13	4,673.39	4,718.19	4,714.95	11.08	16.46	-53.93	686.45	-1,038.97	918.36	891.23	27.12	33.857	

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 135H
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 135H	**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 Com 601H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_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
4,800.00	4,770.58	4,814.01	4,810.50	11.28	16.80	-54.79	679.39	-1,037.39	908.08	880.43	27.65	32.847	
4,900.00	4,870.15	4,914.53	4,910.69	11.48	17.17	-55.61	671.54	-1,035.59	899.06	870.89	28.17	31.911	
5,000.00	4,969.93	4,990.57	4,986.49	11.67	17.45	-56.15	665.65	-1,034.64	892.43	863.80	28.63	31.173	
5,100.00	5,069.85	5,076.79	5,072.47	11.85	17.77	-56.72	659.41	-1,036.39	890.44	861.35	29.09	30.611	
5,177.11	5,146.95	5,155.29	5,150.78	11.96	18.06	-57.14	654.15	-1,038.05	890.19	860.73	29.46	30.217	CC
5,200.00	5,169.84	5,176.41	5,171.85	11.99	18.14	-57.23	652.82	-1,038.45	890.25	860.69	29.56	30.114	
5,202.16	5,172.00	5,178.90	5,174.33	12.00	18.15	-77.48	652.66	-1,038.50	890.26	860.69	29.57	30.103	
5,300.00	5,269.84	5,278.90	5,274.13	12.08	18.52	-77.89	646.48	-1,039.98	890.38	860.36	30.02	29.656	
5,400.00	5,369.84	5,378.02	5,373.06	12.17	18.89	-78.28	640.57	-1,041.53	890.68	860.20	30.47	29.228	ES
5,500.00	5,469.84	5,460.90	5,455.76	12.26	19.19	-78.63	635.40	-1,043.23	891.55	860.68	30.87	28.883	
5,600.00	5,569.84	5,538.93	5,533.49	12.34	19.49	-79.01	630.24	-1,047.62	895.65	864.42	31.23	28.677	
5,700.00	5,669.84	5,638.88	5,633.04	12.43	19.87	-79.49	623.79	-1,053.86	900.60	868.91	31.69	28.421	
5,800.00	5,769.84	5,738.59	5,732.35	12.52	20.25	-79.96	617.33	-1,060.04	905.56	873.42	32.14	28.173	
5,900.00	5,869.84	5,838.19	5,831.57	12.61	20.63	-80.42	611.03	-1,066.06	910.45	877.85	32.60	27.931	
6,000.00	5,969.84	5,936.78	5,929.77	12.69	21.00	-80.87	604.76	-1,072.16	915.53	882.48	33.05	27.705	
6,100.00	6,069.84	6,037.37	6,029.99	12.78	21.39	-81.30	598.76	-1,078.31	920.66	887.16	33.50	27.481	
6,200.00	6,169.84	6,144.60	6,136.88	12.87	21.79	-81.73	592.61	-1,084.27	925.32	891.33	33.99	27.226	
6,300.00	6,269.84	6,251.63	6,243.61	12.96	22.20	-82.14	586.65	-1,089.48	929.36	894.90	34.47	26.962	
6,400.00	6,369.84	6,353.55	6,345.28	13.04	22.58	-82.53	580.91	-1,093.85	932.88	897.95	34.93	26.707	
6,500.00	6,469.84	6,455.01	6,446.50	13.13	22.96	-82.91	575.20	-1,097.87	936.09	900.70	35.39	26.451	
6,600.00	6,569.84	6,556.07	6,547.35	13.22	23.34	-83.25	569.90	-1,101.68	939.21	903.36	35.84	26.202	
6,700.00	6,669.84	6,656.26	6,647.33	13.30	23.72	-83.59	564.73	-1,105.38	942.29	905.99	36.30	25.961	
6,800.00	6,769.84	6,755.82	6,746.70	13.39	24.09	-83.92	559.65	-1,109.00	945.36	908.62	36.75	25.728	
6,900.00	6,869.84	6,886.10	6,876.81	13.48	24.57	-84.30	553.63	-1,110.89	946.14	908.84	37.30	25.366	
6,914.60	6,884.44	6,900.74	6,891.44	13.49	24.62	-84.34	552.98	-1,110.95	946.14	908.77	37.36	25.322	
7,000.00	6,969.84	6,975.00	6,965.64	13.56	24.89	-84.53	549.88	-1,111.44	946.39	908.68	37.71	25.098	
7,100.00	7,069.84	7,064.33	7,054.94	13.65	25.20	-84.58	549.16	-1,113.50	948.56	910.46	38.10	24.896	
7,200.00	7,169.84	7,165.42	7,156.00	13.74	25.54	-84.60	549.09	-1,115.78	950.79	912.26	38.53	24.675	
7,300.00	7,269.84	7,266.26	7,256.82	13.82	25.88	-84.62	549.00	-1,117.99	952.97	914.01	38.96	24.459	
7,400.00	7,369.84	7,366.66	7,357.20	13.91	26.23	-84.62	549.08	-1,120.01	954.98	915.59	39.39	24.243	
7,500.00	7,469.84	7,470.19	7,460.70	14.00	26.58	-84.64	549.04	-1,121.95	956.85	917.02	39.83	24.022	
7,600.00	7,569.84	7,570.59	7,561.09	14.08	26.92	-84.65	548.95	-1,123.61	958.48	918.22	40.26	23.807	
7,700.00	7,669.84	7,673.41	7,663.90	14.17	27.27	-84.65	549.15	-1,125.10	959.94	919.24	40.70	23.586	
7,800.00	7,769.84	7,770.60	7,761.08	14.26	27.60	-84.63	549.58	-1,126.41	961.32	920.20	41.12	23.380	
7,900.00	7,869.84	7,875.09	7,865.57	14.34	27.96	-84.61	550.04	-1,127.73	962.62	921.06	41.56	23.161	
8,000.00	7,969.84	7,976.94	7,967.41	14.43	28.30	-84.58	550.60	-1,128.82	963.74	921.74	42.00	22.948	
8,100.00	8,069.84	8,075.00	8,065.46	14.51	28.64	-84.57	550.92	-1,129.75	964.71	922.29	42.42	22.742	
8,200.00	8,169.84	8,162.77	8,153.21	14.60	28.94	-84.58	550.95	-1,131.34	966.53	923.72	42.81	22.579	
8,300.00	8,269.84	8,279.48	8,269.90	14.69	29.34	-84.57	551.27	-1,133.71	968.65	925.36	43.29	22.375	
8,400.00	8,369.84	8,401.33	8,391.74	14.77	29.76	-84.52	552.07	-1,133.38	968.49	924.70	43.79	22.118	
8,500.00	8,469.84	8,505.37	8,495.76	14.86	30.12	-84.46	553.00	-1,131.29	966.57	922.33	44.23	21.853	
8,600.00	8,569.84	8,605.35	8,595.71	14.94	30.47	-84.39	553.91	-1,129.12	964.49	919.83	44.66	21.595	
8,700.00	8,669.84	8,703.81	8,694.15	15.03	30.81	-84.33	554.67	-1,127.25	962.67	917.58	45.09	21.350	
8,800.00	8,769.84	8,804.02	8,794.34	15.12	31.16	-84.30	555.13	-1,125.47	960.96	915.44	45.52	21.110	
8,900.00	8,869.84	8,898.95	8,889.26	15.20	31.49	-84.27	555.43	-1,124.01	959.46	913.52	45.94	20.886	
9,000.00	8,969.84	8,996.23	8,986.53	15.29	31.82	-84.26	555.52	-1,122.85	958.28	911.92	46.36	20.671	
9,100.00	9,069.84	9,097.91	9,088.21	15.37	32.17	-84.26	555.40	-1,121.82	957.26	910.47	46.79	20.458	
9,200.00	9,169.84	9,196.48	9,186.77	15.46	32.51	-84.27	555.10	-1,120.80	956.20	908.98	47.22	20.251	
9,300.00	9,269.84	9,296.65	9,286.94	15.54	32.85	-84.30	554.53	-1,119.84	955.19	907.54	47.65	20.048	
9,400.00	9,369.84	9,391.95	9,382.22	15.63	33.18	-84.35	553.62	-1,119.33	954.55	906.49	48.06	19.861	
9,500.00	9,469.84	9,488.75	9,479.02	15.71	33.51	-84.41	552.57	-1,119.05	954.16	905.67	48.48	19.680	
9,600.00	9,569.84	9,590.94	9,581.21	15.80	33.86	-84.48	551.31	-1,118.76	953.76	904.83	48.92	19.495	

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 135H
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 135H	**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 Com 601H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_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
9,700.00	9,669.84	9,690.12	9,680.38	15.89	34.21	-84.55	550.20	-1,118.52	953.41	904.05	49.35	19.319	
9,800.00	9,769.84	9,789.03	9,779.29	15.97	34.55	-84.60	549.25	-1,118.29	953.08	903.30	49.78	19.146	
9,900.00	9,869.84	9,892.69	9,882.94	16.06	34.90	-84.66	548.37	-1,118.02	952.75	902.53	50.22	18.971	
10,000.00	9,969.84	9,995.49	9,985.74	16.14	35.26	-84.69	547.78	-1,117.31	952.01	901.35	50.66	18.792	
10,100.00	10,069.84	10,093.88	10,084.12	16.23	35.60	-84.67	547.98	-1,116.58	951.29	900.20	51.09	18.621	
10,200.00	10,169.84	10,194.13	10,184.36	16.31	35.94	-84.64	548.52	-1,115.95	950.72	899.20	51.52	18.454	
10,300.00	10,269.84	10,298.61	10,288.83	16.40	36.31	-84.55	549.76	-1,114.70	949.63	897.66	51.97	18.274	
10,400.00	10,369.84	10,399.97	10,390.17	16.48	36.67	-84.45	551.34	-1,113.26	948.37	895.96	52.41	18.096	
10,500.00	10,469.84	10,507.86	10,498.02	16.57	37.05	-84.32	553.32	-1,111.02	946.48	893.61	52.87	17.902	
10,600.00	10,569.84	10,607.61	10,597.72	16.65	37.40	-84.19	555.16	-1,108.61	944.26	890.95	53.31	17.713	
10,700.00	10,669.84	10,711.00	10,701.06	16.74	37.77	-84.05	557.24	-1,106.02	941.97	888.22	53.76	17.523	
10,800.00	10,769.84	10,813.00	10,802.98	16.82	38.14	-83.87	559.86	-1,102.88	939.18	884.97	54.20	17.327	
10,900.00	10,869.84	10,912.72	10,902.60	16.91	38.49	-83.67	562.86	-1,099.87	936.51	881.86	54.65	17.137	
10,988.02	10,957.85	10,975.00	10,964.85	16.98	38.72	-83.57	564.42	-1,098.47	934.93	879.97	54.95	17.013	
11,000.00	10,969.84	10,983.35	10,973.20	16.99	38.75	-83.56	564.54	-1,098.47	934.95	879.96	54.99	17.001	
11,100.00	11,069.84	11,059.65	11,049.47	17.08	38.94	-83.48	565.95	-1,099.69	936.72	881.44	55.28	16.946	SF
11,200.00	11,169.84	11,138.99	11,128.72	17.16	39.05	-83.36	568.22	-1,102.58	940.68	885.23	55.45	16.964	
11,300.00	11,269.84	11,218.55	11,208.10	17.25	39.05	-83.25	570.65	-1,107.45	947.06	891.53	55.53	17.055	
11,400.00	11,369.84	11,382.58	11,371.95	17.33	39.06	-83.27	571.13	-1,114.09	951.23	895.58	55.65	17.093	
11,500.00	11,469.84	11,480.42	11,469.77	17.42	39.07	-83.36	569.64	-1,114.50	951.48	895.73	55.75	17.068	
11,581.16	11,551.00	11,563.65	11,553.00	17.48	39.08	-83.43	568.56	-1,115.24	952.07	896.26	55.82	17.057	
11,600.00	11,569.83	11,583.52	11,572.87	17.48	39.09	97.05	568.22	-1,115.37	952.20	896.38	55.82	17.058	
11,650.00	11,619.67	11,633.85	11,623.19	17.49	39.10	97.15	567.22	-1,115.68	952.86	897.06	55.80	17.076	
11,700.00	11,668.99	11,683.42	11,672.73	17.51	39.11	97.44	566.14	-1,115.99	954.09	898.33	55.77	17.109	
11,750.00	11,717.40	11,732.05	11,721.35	17.51	39.12	97.91	565.02	-1,116.30	955.97	900.26	55.72	17.158	
11,800.00	11,764.55	11,776.62	11,765.91	17.52	39.13	98.45	564.02	-1,116.62	958.69	903.03	55.66	17.225	
11,850.00	11,810.08	11,817.93	11,807.22	17.52	39.14	99.03	563.25	-1,117.08	962.58	906.99	55.59	17.316	
11,900.00	11,853.63	11,859.37	11,848.65	17.52	39.15	99.68	562.78	-1,117.68	967.82	912.30	55.52	17.432	
11,950.00	11,894.88	11,900.41	11,889.65	17.53	39.16	100.44	564.23	-1,117.87	974.49	919.04	55.45	17.573	
12,000.00	11,933.52	11,935.16	11,924.26	17.53	39.16	101.02	567.33	-1,117.60	982.97	927.57	55.40	17.743	
12,050.00	11,969.24	11,940.00	11,929.07	17.53	39.17	100.12	567.89	-1,117.53	993.96	938.60	55.36	17.956	
12,100.00	12,001.78	11,961.17	11,949.96	17.53	39.17	99.77	571.25	-1,117.29	1,007.46	952.12	55.34	18.204	
12,150.00	12,030.89	11,968.76	11,957.38	17.53	39.17	98.46	572.83	-1,117.25	1,023.86	968.51	55.35	18.496	
12,200.00	12,056.34	11,987.00	11,975.02	17.53	39.18	97.48	577.48	-1,117.21	1,043.12	987.72	55.40	18.829	
12,250.00	12,077.95	11,987.00	11,975.02	17.54	39.18	95.13	577.48	-1,117.21	1,064.46	1,008.99	55.47	19.188	
12,300.00	12,095.55	11,987.00	11,975.02	17.55	39.18	92.46	577.48	-1,117.21	1,088.03	1,032.45	55.58	19.576	
12,350.00	12,109.01	11,987.00	11,975.02	17.56	39.18	89.50	577.48	-1,117.21	1,113.50	1,057.79	55.71	19.988	
12,400.00	12,118.22	11,987.00	11,975.02	17.58	39.18	86.29	577.48	-1,117.21	1,140.56	1,084.70	55.86	20.420	
12,450.00	12,123.11	11,987.00	11,975.02	17.60	39.18	82.86	577.48	-1,117.21	1,168.90	1,112.88	56.02	20.867	
12,476.17	12,123.94	11,987.00	11,975.02	17.61	39.18	81.00	577.48	-1,117.21	1,184.15	1,128.04	56.10	21.106	
12,500.00	12,124.14	11,987.00	11,975.02	17.62	39.18	81.00	577.48	-1,117.21	1,198.29	1,142.11	56.19	21.327	
12,600.00	12,125.02	11,967.72	11,956.37	17.69	39.17	79.91	572.61	-1,117.25	1,260.21	1,203.65	56.57	22.279	
12,700.00	12,125.89	11,963.21	11,951.96	17.79	39.17	79.65	571.65	-1,117.28	1,327.00	1,270.05	56.94	23.303	
12,800.00	12,126.76	11,959.33	11,948.16	17.95	39.17	79.42	570.89	-1,117.31	1,397.69	1,340.38	57.32	24.386	
12,900.00	12,127.63	11,940.00	11,929.07	18.21	39.17	78.31	567.89	-1,117.53	1,472.21	1,414.52	57.69	25.519	
13,000.00	12,128.50	11,940.00	11,929.07	18.61	39.17	78.31	567.89	-1,117.53	1,549.00	1,490.97	58.03	26.695	
13,100.00	12,129.37	11,940.00	11,929.07	19.18	39.17	78.31	567.89	-1,117.53	1,628.31	1,569.97	58.34	27.912	
13,200.00	12,130.24	11,940.00	11,929.07	19.87	39.17	78.31	567.89	-1,117.53	1,709.79	1,651.16	58.63	29.164	
13,300.00	12,131.11	11,940.00	11,929.07	20.66	39.17	78.31	567.89	-1,117.53	1,793.14	1,734.25	58.90	30.446	
13,400.00	12,131.99	11,940.00	11,929.07	21.53	39.17	78.31	567.89	-1,117.53	1,878.12	1,818.98	59.15	31.754	
13,500.00	12,132.86	11,940.00	11,929.07	22.45	39.17	78.31	567.89	-1,117.53	1,964.52	1,905.14	59.38	33.085	
13,600.00	12,133.73	11,940.00	11,929.07	23.43	39.17	78.31	567.89	-1,117.53	2,052.15	1,992.56	59.59	34.436	

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 135H
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 135H	**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 Com 601H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_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
13,700.00	12,134.60	11,940.00	11,929.07	24.44	39.17	78.31	567.89	-1,117.53	2,140.87	2,081.07	59.80	35.803	
13,800.00	12,135.47	11,940.00	11,929.07	25.50	39.17	78.31	567.89	-1,117.53	2,230.54	2,170.55	59.99	37.185	
13,900.00	12,136.34	11,940.00	11,929.07	26.58	39.17	78.31	567.89	-1,117.53	2,321.05	2,260.89	60.16	38.579	
14,000.00	12,137.21	11,940.00	11,929.07	27.69	39.17	78.31	567.89	-1,117.53	2,412.32	2,351.99	60.33	39.984	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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	-25.00	0.00	25.00				
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-25.00	0.00	25.00	23.03	1.97	12.706	
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-25.00	0.00	25.00	21.87	3.13	7.996	
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-25.00	0.00	25.00	21.03	3.97	6.304	
400.00	400.00	401.00	401.00	2.33	2.33	180.00	-25.00	0.00	25.00	20.34	4.66	5.363	
500.00	500.00	501.00	501.00	2.63	2.64	180.00	-25.00	0.00	25.00	19.73	5.27	4.742	
600.00	600.00	601.00	601.00	2.91	2.91	180.00	-25.00	0.00	25.00	19.18	5.82	4.294	
700.00	700.00	701.00	701.00	3.16	3.17	180.00	-25.00	0.00	25.00	18.67	6.33	3.949	
800.00	800.00	801.00	801.00	3.40	3.40	180.00	-25.00	0.00	25.00	18.20	6.80	3.675	CC, ES
900.00	899.99	900.99	900.99	3.68	3.63	-160.75	-25.00	0.00	26.23	18.93	7.30	3.594	
1,000.00	999.91	1,000.91	1,000.91	3.94	3.84	-163.21	-25.00	0.00	29.97	22.19	7.77	3.856	
1,100.00	1,099.77	1,100.77	1,100.77	4.15	4.04	-165.69	-25.00	0.00	35.01	26.83	8.18	4.280	
1,200.00	1,199.63	1,200.63	1,200.63	4.35	4.23	-167.53	-25.00	0.00	40.10	31.53	8.58	4.676	
1,250.43	1,250.00	1,251.00	1,251.00	4.40	4.33	-168.30	-25.00	0.00	42.68	33.96	8.72	4.894	
1,300.00	1,299.48	1,300.48	1,300.48	4.45	4.42	-169.03	-25.00	0.00	45.54	36.67	8.87	5.135	
1,400.00	1,399.17	1,400.17	1,400.17	4.69	4.60	-170.62	-25.00	0.00	53.26	43.96	9.29	5.731	
1,500.00	1,498.62	1,500.36	1,500.36	4.93	4.77	-171.55	-24.56	-0.76	62.99	53.29	9.70	6.493	
1,550.47	1,548.70	1,550.92	1,550.90	4.99	4.86	-171.62	-24.00	-1.72	68.45	58.61	9.84	6.953	
1,600.00	1,597.81	1,600.57	1,600.53	5.05	4.94	-171.47	-23.24	-3.04	73.84	63.86	9.98	7.398	
1,700.00	1,696.95	1,700.97	1,700.84	5.25	5.10	-170.56	-21.04	-6.84	83.86	73.52	10.34	8.112	
1,800.00	1,796.09	1,801.55	1,801.22	5.44	5.27	-169.01	-17.95	-12.17	92.78	82.09	10.69	8.677	
1,900.00	1,895.24	1,902.23	1,901.59	5.64	5.43	-166.93	-13.98	-19.04	100.69	89.64	11.05	9.116	
2,000.00	1,994.38	2,002.96	2,001.85	5.83	5.60	-164.40	-9.12	-27.43	107.69	96.29	11.40	9.449	
2,100.00	2,093.53	2,103.68	2,101.91	6.03	5.77	-161.43	-3.38	-37.35	113.94	102.19	11.75	9.699	
2,200.00	2,192.67	2,204.31	2,201.67	6.22	5.94	-158.05	3.24	-48.78	119.60	107.51	12.10	9.887	
2,300.00	2,291.82	2,304.81	2,301.06	6.42	6.11	-154.25	10.72	-61.70	124.90	112.45	12.45	10.034	
2,400.00	2,390.96	2,405.11	2,399.96	6.61	6.28	-150.07	19.06	-76.10	130.07	117.27	12.80	10.162	
2,500.00	2,490.11	2,505.15	2,498.31	6.81	6.46	-145.52	28.23	-91.96	135.37	122.22	13.15	10.292	
2,600.00	2,589.25	2,604.86	2,596.00	7.00	6.64	-140.67	38.24	-109.23	141.11	127.60	13.51	10.444	
2,700.00	2,688.39	2,704.20	2,692.96	7.20	6.83	-135.58	49.05	-127.91	147.58	133.71	13.87	10.640	
2,800.00	2,787.54	2,803.06	2,789.20	7.39	6.99	-130.52	60.38	-147.49	155.10	140.90	14.19	10.926	
2,900.00	2,886.68	2,901.87	2,885.38	7.59	7.20	-125.95	71.73	-167.10	163.72	149.15	14.57	11.238	
3,000.00	2,985.83	3,000.67	2,981.55	7.78	7.43	-121.85	83.08	-186.70	173.28	158.33	14.95	11.594	
3,100.00	3,084.97	3,099.48	3,077.73	7.98	7.66	-118.20	94.43	-206.31	183.64	168.31	15.33	11.980	
3,200.00	3,184.12	3,198.29	3,173.90	8.17	7.90	-114.93	105.78	-225.92	194.67	178.95	15.72	12.386	
3,300.00	3,283.26	3,297.09	3,270.07	8.36	8.14	-112.03	117.13	-245.52	206.26	190.15	16.11	12.805	
3,400.00	3,382.40	3,395.90	3,366.25	8.56	8.39	-109.43	128.48	-265.13	218.32	201.82	16.50	13.229	
3,500.00	3,481.55	3,494.70	3,462.42	8.75	8.64	-107.11	139.83	-284.73	230.78	213.88	16.90	13.655	
3,600.00	3,580.69	3,593.51	3,558.60	8.95	8.89	-105.03	151.18	-304.34	243.58	226.28	17.30	14.079	
3,700.00	3,679.84	3,692.32	3,654.77	9.14	9.15	-103.16	162.53	-323.95	256.67	238.96	17.70	14.497	
3,800.00	3,778.98	3,791.12	3,750.94	9.33	9.41	-101.46	173.88	-343.55	270.00	251.89	18.11	14.909	
3,900.00	3,878.13	3,889.93	3,847.12	9.53	9.67	-99.93	185.23	-363.16	283.54	265.02	18.52	15.313	
4,000.00	3,977.27	3,988.73	3,943.29	9.72	9.94	-98.54	196.58	-382.76	297.26	278.34	18.93	15.707	
4,100.00	4,076.42	4,087.54	4,039.47	9.91	10.21	-97.27	207.93	-402.37	311.14	291.81	19.34	16.092	
4,200.00	4,175.56	4,186.35	4,135.64	10.11	10.48	-96.11	219.28	-421.98	325.16	305.41	19.75	16.467	
4,300.00	4,274.70	4,285.15	4,231.81	10.30	10.76	-95.05	230.63	-441.58	339.30	319.14	20.16	16.832	
4,400.00	4,373.85	4,383.96	4,327.99	10.49	11.03	-94.07	241.98	-461.19	353.54	332.97	20.57	17.186	
4,500.00	4,472.99	4,482.76	4,424.16	10.69	11.31	-93.16	253.33	-480.79	367.88	346.90	20.99	17.530	
4,600.00	4,572.14	4,581.57	4,520.33	10.88	11.59	-92.33	264.68	-500.40	382.30	360.90	21.40	17.864	
4,700.00	4,671.28	4,680.38	4,616.51	11.08	11.87	-91.55	276.03	-520.01	396.80	374.98	21.82	18.186	
4,702.13	4,673.39	4,682.48	4,618.56	11.08	11.87	-91.54	276.27	-520.42	397.11	375.28	21.83	18.192	
4,800.00	4,770.58	4,779.11	4,712.61	11.28	12.15	-90.87	287.37	-539.60	411.34	389.12	22.22	18.512	

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 135H
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 135H	**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	4,870.15	4,877.66	4,808.53	11.48	12.43	-89.91	298.69	-559.15	425.98	403.39	22.60	18.852	
5,000.00	4,969.93	4,975.94	4,904.20	11.67	12.71	-88.69	309.98	-578.65	440.86	417.91	22.94	19.214	
5,100.00	5,069.85	5,073.90	4,999.55	11.85	13.00	-87.24	321.23	-598.09	456.12	432.85	23.27	19.605	
5,200.00	5,169.84	5,171.47	5,094.51	11.99	13.28	-85.61	332.44	-617.45	471.94	448.38	23.56	20.030	
5,202.16	5,172.00	5,173.57	5,096.56	12.00	13.29	-105.81	332.68	-617.87	472.29	448.72	23.57	20.039	
5,300.00	5,269.84	5,268.80	5,189.26	12.08	13.56	-103.94	343.62	-636.77	488.38	464.54	23.84	20.486	
5,400.00	5,369.84	5,366.14	5,284.00	12.17	13.85	-102.16	354.80	-656.08	505.33	481.21	24.12	20.950	
5,500.00	5,469.84	5,463.47	5,378.74	12.26	14.13	-100.49	365.98	-675.39	522.73	498.33	24.40	21.421	
5,600.00	5,569.84	5,560.81	5,473.49	12.34	14.41	-98.92	377.17	-694.71	540.55	515.88	24.68	21.906	
5,700.00	5,669.84	5,665.27	5,575.32	12.43	14.69	-97.40	388.81	-714.82	558.20	533.23	24.98	22.349	
5,800.00	5,769.84	5,771.64	5,679.44	12.52	14.98	-96.06	399.72	-733.66	574.72	549.43	25.29	22.723	
5,900.00	5,869.84	5,878.80	5,784.73	12.61	15.25	-94.91	409.72	-750.95	589.98	564.38	25.60	23.045	
6,000.00	5,969.84	5,986.69	5,891.08	12.69	15.51	-93.91	418.80	-766.63	603.88	577.98	25.90	23.315	
6,100.00	6,069.84	6,095.24	5,998.41	12.78	15.74	-93.06	426.92	-780.65	616.37	590.17	26.19	23.531	
6,200.00	6,169.84	6,204.37	6,106.61	12.87	15.96	-92.35	434.05	-792.97	627.37	600.89	26.48	23.695	
6,300.00	6,269.84	6,314.01	6,215.56	12.96	16.15	-91.76	440.18	-803.56	636.83	610.08	26.75	23.808	
6,400.00	6,369.84	6,424.08	6,325.16	13.04	16.32	-91.28	445.28	-812.36	644.71	617.70	27.01	23.870	
6,500.00	6,469.84	6,534.51	6,435.29	13.13	16.48	-90.91	449.33	-819.36	650.99	623.73	27.26	23.882	
6,600.00	6,569.84	6,645.20	6,545.82	13.22	16.61	-90.64	452.32	-824.54	655.63	628.13	27.49	23.846	
6,700.00	6,669.84	6,756.09	6,656.64	13.30	16.72	-90.47	454.25	-827.87	658.61	630.90	27.71	23.764	
6,800.00	6,769.84	6,867.09	6,767.62	13.39	16.81	-90.39	455.10	-829.34	659.93	632.03	27.90	23.652	
6,900.00	6,869.84	6,970.30	6,870.84	13.48	16.88	-90.39	455.15	-829.42	660.01	631.95	28.06	23.521	
7,000.00	6,969.84	7,070.30	6,970.84	13.56	16.94	-90.39	455.15	-829.42	660.01	631.79	28.21	23.395	
7,100.00	7,069.84	7,170.30	7,070.84	13.65	17.00	-90.39	455.15	-829.42	660.01	631.64	28.36	23.269	
7,200.00	7,169.84	7,270.30	7,170.84	13.74	17.07	-90.39	455.15	-829.42	660.01	631.49	28.52	23.145	
7,300.00	7,269.84	7,370.30	7,270.84	13.82	17.13	-90.39	455.15	-829.42	660.01	631.34	28.67	23.022	
7,400.00	7,369.84	7,470.30	7,370.84	13.91	17.20	-90.39	455.15	-829.42	660.01	631.18	28.82	22.900	
7,500.00	7,469.84	7,570.30	7,470.84	14.00	17.26	-90.39	455.15	-829.42	660.01	631.03	28.97	22.779	
7,600.00	7,569.84	7,670.30	7,570.84	14.08	17.33	-90.39	455.15	-829.42	660.01	630.88	29.13	22.660	
7,700.00	7,669.84	7,770.30	7,670.84	14.17	17.39	-90.39	455.15	-829.42	660.01	630.73	29.28	22.542	
7,800.00	7,769.84	7,870.30	7,770.84	14.26	17.46	-90.39	455.15	-829.42	660.01	630.57	29.43	22.425	
7,900.00	7,869.84	7,970.30	7,870.84	14.34	17.52	-90.39	455.15	-829.42	660.01	630.42	29.58	22.309	
8,000.00	7,969.84	8,070.30	7,970.84	14.43	17.59	-90.39	455.15	-829.42	660.01	630.27	29.74	22.194	
8,100.00	8,069.84	8,170.30	8,070.84	14.51	17.65	-90.39	455.15	-829.42	660.01	630.11	29.89	22.080	
8,200.00	8,169.84	8,270.30	8,170.84	14.60	17.72	-90.39	455.15	-829.42	660.01	629.96	30.04	21.968	
8,300.00	8,269.84	8,370.30	8,270.84	14.69	17.79	-90.39	455.15	-829.42	660.01	629.81	30.20	21.856	
8,400.00	8,369.84	8,470.30	8,370.84	14.77	17.85	-90.39	455.15	-829.42	660.01	629.65	30.35	21.746	
8,500.00	8,469.84	8,570.30	8,470.84	14.86	17.92	-90.39	455.15	-829.42	660.01	629.50	30.50	21.637	
8,600.00	8,569.84	8,670.30	8,570.84	14.94	17.98	-90.39	455.15	-829.42	660.01	629.35	30.66	21.529	
8,700.00	8,669.84	8,770.30	8,670.84	15.03	18.05	-90.39	455.15	-829.42	660.01	629.19	30.81	21.421	
8,800.00	8,769.84	8,870.30	8,770.84	15.12	18.12	-90.39	455.15	-829.42	660.01	629.04	30.96	21.315	
8,900.00	8,869.84	8,970.30	8,870.84	15.20	18.18	-90.39	455.15	-829.42	660.01	628.89	31.12	21.210	
9,000.00	8,969.84	9,070.30	8,970.84	15.29	18.25	-90.39	455.15	-829.42	660.01	628.73	31.27	21.106	
9,100.00	9,069.84	9,170.30	9,070.84	15.37	18.32	-90.39	455.15	-829.42	660.01	628.58	31.43	21.002	
9,200.00	9,169.84	9,270.30	9,170.84	15.46	18.38	-90.39	455.15	-829.42	660.01	628.43	31.58	20.900	
9,300.00	9,269.84	9,370.30	9,270.84	15.54	18.45	-90.39	455.15	-829.42	660.01	628.27	31.73	20.798	
9,400.00	9,369.84	9,470.30	9,370.84	15.63	18.52	-90.39	455.15	-829.42	660.01	628.12	31.89	20.698	
9,500.00	9,469.84	9,570.30	9,470.84	15.71	18.58	-90.39	455.15	-829.42	660.01	627.96	32.04	20.599	
9,600.00	9,569.84	9,670.30	9,570.84	15.80	18.65	-90.39	455.15	-829.42	660.01	627.81	32.20	20.500	
9,700.00	9,669.84	9,770.30	9,670.84	15.89	18.72	-90.39	455.15	-829.42	660.01	627.66	32.35	20.402	
9,800.00	9,769.84	9,870.30	9,770.84	15.97	18.79	-90.39	455.15	-829.42	660.01	627.50	32.50	20.305	
9,900.00	9,869.84	9,970.30	9,870.84	16.06	18.86	-90.39	455.15	-829.42	660.01	627.35	32.66	20.209	

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 135H
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 135H	**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
10,000.00	9,969.84	10,070.30	9,970.84	16.14	18.92	-90.39	455.15	-829.42	660.01	627.19	32.81	20.114	
10,100.00	10,069.84	10,170.30	10,070.84	16.23	18.99	-90.39	455.15	-829.42	660.01	627.04	32.97	20.020	
10,200.00	10,169.84	10,270.30	10,170.84	16.31	19.06	-90.39	455.15	-829.42	660.01	626.88	33.12	19.927	
10,300.00	10,269.84	10,370.30	10,270.84	16.40	19.13	-90.39	455.15	-829.42	660.01	626.73	33.28	19.834	
10,400.00	10,369.84	10,470.30	10,370.84	16.48	19.20	-90.39	455.15	-829.42	660.01	626.57	33.43	19.742	
10,500.00	10,469.84	10,570.30	10,470.84	16.57	19.26	-90.39	455.15	-829.42	660.01	626.42	33.59	19.651	
10,600.00	10,569.84	10,670.30	10,570.84	16.65	19.33	-90.39	455.15	-829.42	660.01	626.26	33.74	19.561	
10,700.00	10,669.84	10,770.30	10,670.84	16.74	19.40	-90.39	455.15	-829.42	660.01	626.11	33.90	19.472	
10,800.00	10,769.84	10,870.30	10,770.84	16.82	19.47	-90.39	455.15	-829.42	660.01	625.95	34.05	19.383	
10,900.00	10,869.84	10,970.30	10,870.84	16.91	19.54	-90.39	455.15	-829.42	660.01	625.80	34.21	19.295	
11,000.00	10,969.84	11,070.30	10,970.84	16.99	19.61	-90.39	455.15	-829.42	660.01	625.64	34.36	19.208	
11,100.00	11,069.84	11,170.30	11,070.84	17.08	19.68	-90.39	455.15	-829.42	660.01	625.49	34.52	19.122	
11,200.00	11,169.84	11,270.30	11,170.84	17.16	19.75	-90.39	455.15	-829.42	660.01	625.33	34.67	19.036	
11,300.00	11,269.84	11,370.30	11,270.84	17.25	19.82	-90.39	455.15	-829.42	660.01	625.18	34.83	18.951	
11,400.00	11,369.84	11,470.30	11,370.84	17.33	19.89	-90.39	455.15	-829.42	660.01	625.02	34.98	18.867	
11,500.00	11,469.84	11,570.30	11,470.84	17.42	19.95	-90.39	455.15	-829.42	660.01	624.87	35.14	18.784	
11,581.16	11,551.00	11,651.47	11,552.00	17.48	20.00	-90.39	455.15	-829.42	660.01	624.76	35.24	18.727	
11,600.00	11,569.83	11,670.34	11,570.87	17.48	20.01	90.11	454.90	-829.42	660.01	624.76	35.24	18.728	
11,650.00	11,619.67	11,720.45	11,620.84	17.49	20.04	90.12	451.24	-829.39	660.01	624.81	35.19	18.753	
11,700.00	11,668.99	11,770.58	11,670.31	17.51	20.05	90.14	443.22	-829.32	660.01	624.91	35.10	18.805	
11,750.00	11,717.40	11,820.73	11,718.90	17.51	20.05	90.15	430.91	-829.21	660.01	625.04	34.96	18.877	
11,800.00	11,764.55	11,870.89	11,766.24	17.52	20.03	90.16	414.39	-829.07	660.01	625.21	34.79	18.969	
11,850.00	11,810.08	11,921.05	11,811.97	17.52	20.01	90.17	393.79	-828.89	660.01	625.41	34.59	19.079	
11,900.00	11,853.63	11,971.23	11,855.72	17.52	19.99	90.18	369.27	-828.68	660.01	625.64	34.37	19.202	
11,950.00	11,894.88	12,021.41	11,897.17	17.53	19.96	90.19	341.01	-828.44	660.01	625.87	34.13	19.336	
12,000.00	11,933.52	12,071.61	11,936.00	17.53	19.94	90.19	309.23	-828.16	660.01	626.12	33.89	19.476	
12,050.00	11,969.24	12,121.80	11,971.90	17.53	19.92	90.20	274.17	-827.86	660.01	626.36	33.65	19.617	
12,100.00	12,001.78	12,172.00	12,004.60	17.53	19.91	90.20	236.10	-827.53	660.01	626.59	33.41	19.752	
12,150.00	12,030.89	12,222.21	12,033.84	17.53	19.90	90.20	195.31	-827.18	660.01	626.80	33.21	19.877	
12,200.00	12,056.34	12,272.41	12,059.40	17.53	19.91	90.20	152.12	-826.81	660.01	626.98	33.03	19.984	
12,250.00	12,077.95	12,322.61	12,081.08	17.54	19.94	90.20	106.86	-826.42	660.01	627.12	32.89	20.069	
12,300.00	12,095.55	12,372.81	12,098.71	17.55	19.97	90.20	59.88	-826.02	660.01	627.21	32.80	20.125	
12,350.00	12,109.01	12,423.01	12,112.17	17.56	20.03	90.19	11.54	-825.60	660.01	627.25	32.76	20.149	
12,400.00	12,118.22	12,473.20	12,121.35	17.58	20.10	90.19	-37.79	-825.18	660.01	627.24	32.77	20.138	
12,450.00	12,123.11	12,523.39	12,126.17	17.60	20.20	90.18	-87.72	-824.75	660.01	627.16	32.85	20.092	
12,473.58	12,123.91	12,547.05	12,126.92	17.61	20.25	90.17	-111.37	-824.54	660.01	627.11	32.90	20.060	
12,476.17	12,123.94	12,549.65	12,126.95	17.61	20.25	90.17	-113.97	-824.52	660.01	627.10	32.91	20.056	
12,500.00	12,124.14	12,573.48	12,127.15	17.62	20.31	90.17	-137.80	-824.32	660.01	627.03	32.98	20.011	
12,600.00	12,125.02	12,673.48	12,128.03	17.69	20.58	90.17	-237.79	-823.46	660.01	626.56	33.45	19.731	
12,700.00	12,125.89	12,773.48	12,128.90	17.79	20.91	90.17	-337.78	-822.59	660.01	625.88	34.13	19.338	
12,800.00	12,126.76	12,873.48	12,129.77	17.95	21.30	90.17	-437.77	-821.73	660.01	625.00	35.01	18.852	
12,900.00	12,127.63	12,973.48	12,130.64	18.21	21.76	90.17	-537.77	-820.87	660.01	623.93	36.08	18.293	
13,000.00	12,128.50	13,073.48	12,131.51	18.61	22.28	90.17	-637.76	-820.01	660.01	622.69	37.32	17.686	
13,100.00	12,129.37	13,173.48	12,132.38	19.18	22.86	90.17	-737.75	-819.15	660.01	621.30	38.71	17.049	
13,200.00	12,130.24	13,273.48	12,133.25	19.87	23.50	90.17	-837.74	-818.29	660.01	619.77	40.24	16.400	
13,300.00	12,131.11	13,373.48	12,134.12	20.66	24.19	90.17	-937.74	-817.43	660.01	618.11	41.90	15.752	
13,400.00	12,131.99	13,473.48	12,134.99	21.53	24.94	90.17	-1,037.73	-816.57	660.01	616.35	43.66	15.116	
13,500.00	12,132.86	13,573.48	12,135.87	22.45	25.73	90.17	-1,137.72	-815.71	660.01	614.49	45.52	14.498	
13,600.00	12,133.73	13,673.48	12,136.74	23.43	26.58	90.17	-1,237.71	-814.85	660.01	612.54	47.47	13.904	
13,700.00	12,134.60	13,773.48	12,137.61	24.44	27.46	90.17	-1,337.71	-813.99	660.01	610.52	49.49	13.336	
13,800.00	12,135.47	13,873.48	12,138.48	25.50	28.39	90.17	-1,437.70	-813.13	660.01	608.43	51.58	12.796	
13,900.00	12,136.34	13,973.48	12,139.35	26.58	29.35	90.17	-1,537.69	-812.27	660.01	606.29	53.72	12.285	

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 135H
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 135H	**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
14,000.00	12,137.21	14,073.48	12,140.22	27.69	30.34	90.17	-1,637.68	-811.40	660.01	604.09	55.92	11.802	
14,100.00	12,138.08	14,173.48	12,141.09	28.82	31.36	90.17	-1,737.68	-810.54	660.01	601.85	58.17	11.347	
14,200.00	12,138.96	14,273.48	12,141.96	29.98	32.41	90.17	-1,837.67	-809.68	660.01	599.56	60.45	10.918	
14,300.00	12,139.83	14,373.48	12,142.83	31.15	33.48	90.17	-1,937.66	-808.82	660.01	597.24	62.77	10.514	
14,400.00	12,140.70	14,473.48	12,143.71	32.33	34.57	90.17	-2,037.65	-807.96	660.01	594.89	65.13	10.135	
14,500.00	12,141.57	14,573.48	12,144.58	33.54	35.68	90.17	-2,137.65	-807.10	660.01	592.51	67.51	9.777	
14,600.00	12,142.44	14,673.48	12,145.45	34.75	36.81	90.17	-2,237.64	-806.24	660.01	590.10	69.92	9.440	
14,700.00	12,143.31	14,773.48	12,146.32	35.98	37.96	90.17	-2,337.63	-805.38	660.01	587.66	72.35	9.123	
14,800.00	12,144.18	14,873.48	12,147.19	37.21	39.12	90.17	-2,437.62	-804.52	660.01	585.21	74.80	8.823	
14,900.00	12,145.05	14,973.48	12,148.06	38.46	40.29	90.17	-2,537.62	-803.66	660.01	582.74	77.27	8.541	
15,000.00	12,145.93	15,073.48	12,148.93	39.71	41.48	90.17	-2,637.61	-802.80	660.01	580.25	79.77	8.274	
15,100.00	12,146.80	15,173.48	12,149.80	40.97	42.68	90.17	-2,737.60	-801.94	660.01	577.74	82.27	8.022	
15,200.00	12,147.67	15,273.48	12,150.67	42.24	43.89	90.17	-2,837.59	-801.08	660.01	575.22	84.79	7.784	
15,300.00	12,148.54	15,373.48	12,151.55	43.51	45.10	90.17	-2,937.59	-800.22	660.01	572.69	87.33	7.558	
15,400.00	12,149.41	15,473.48	12,152.42	44.79	46.33	90.17	-3,037.58	-799.35	660.01	570.14	89.87	7.344	
15,500.00	12,150.28	15,573.48	12,153.29	46.08	47.57	90.17	-3,137.57	-798.49	660.02	567.59	92.43	7.141	
15,600.00	12,151.15	15,673.48	12,154.16	47.37	48.81	90.17	-3,237.56	-797.63	660.02	565.02	94.99	6.948	
15,700.00	12,152.02	15,773.48	12,155.03	48.66	50.06	90.17	-3,337.56	-796.77	660.02	562.44	97.57	6.764	
15,800.00	12,152.90	15,873.48	12,155.90	49.96	51.31	90.17	-3,437.55	-795.91	660.02	559.86	100.16	6.590	
15,900.00	12,153.77	15,973.48	12,156.77	51.26	52.57	90.17	-3,537.54	-795.05	660.02	557.27	102.75	6.424	
16,000.00	12,154.64	16,073.48	12,157.64	52.57	53.84	90.17	-3,637.53	-794.19	660.02	554.67	105.35	6.265	
16,100.00	12,155.51	16,173.48	12,158.51	53.88	55.11	90.17	-3,737.53	-793.33	660.02	552.06	107.96	6.114	
16,200.00	12,156.38	16,273.48	12,159.39	55.19	56.39	90.17	-3,837.52	-792.47	660.02	549.45	110.57	5.969	
16,300.00	12,157.25	16,373.48	12,160.26	56.50	57.67	90.17	-3,937.51	-791.61	660.02	546.83	113.19	5.831	
16,400.00	12,158.12	16,473.48	12,161.13	57.82	58.95	90.17	-4,037.50	-790.75	660.02	544.20	115.82	5.699	
16,500.00	12,158.99	16,573.48	12,162.00	59.14	60.24	90.17	-4,137.50	-789.89	660.02	541.57	118.45	5.572	
16,600.00	12,159.87	16,673.48	12,162.87	60.46	61.53	90.17	-4,237.49	-789.03	660.02	538.94	121.08	5.451	
16,700.00	12,160.74	16,773.48	12,163.74	61.79	62.83	90.17	-4,337.48	-788.16	660.02	536.30	123.72	5.335	
16,800.00	12,161.61	16,873.48	12,164.61	63.11	64.13	90.17	-4,437.47	-787.30	660.02	533.65	126.37	5.223	
16,900.00	12,162.48	16,973.48	12,165.48	64.44	65.43	90.17	-4,537.47	-786.44	660.02	531.00	129.01	5.116	
17,000.00	12,163.35	17,073.48	12,166.36	65.77	66.73	90.17	-4,637.46	-785.58	660.02	528.35	131.67	5.013	
17,100.00	12,164.22	17,173.48	12,167.23	67.10	68.04	90.17	-4,737.45	-784.72	660.02	525.70	134.32	4.914	
17,200.00	12,165.09	17,273.48	12,168.10	68.43	69.35	90.17	-4,837.44	-783.86	660.02	523.04	136.98	4.818	
17,300.00	12,165.96	17,373.48	12,168.97	69.77	70.66	90.17	-4,937.44	-783.00	660.02	520.38	139.64	4.727	
17,400.00	12,166.84	17,473.48	12,169.84	71.10	71.97	90.17	-5,037.43	-782.14	660.02	517.71	142.31	4.638	
17,500.00	12,167.71	17,573.48	12,170.71	72.44	73.29	90.17	-5,137.42	-781.28	660.02	515.05	144.97	4.553	
17,600.00	12,168.58	17,673.48	12,171.58	73.78	74.61	90.17	-5,237.41	-780.42	660.02	512.38	147.64	4.470	
17,700.00	12,169.45	17,773.48	12,172.45	75.12	75.93	90.17	-5,337.41	-779.56	660.02	509.70	150.32	4.391	
17,800.00	12,170.32	17,873.48	12,173.32	76.46	77.25	90.17	-5,437.40	-778.70	660.02	507.03	152.99	4.314	
17,900.00	12,171.19	17,973.48	12,174.20	77.80	78.57	90.17	-5,537.39	-777.84	660.02	504.35	155.67	4.240	
18,000.00	12,172.06	18,073.48	12,175.07	79.14	79.90	90.17	-5,637.38	-776.98	660.02	501.67	158.35	4.168	
18,100.00	12,172.93	18,173.48	12,175.94	80.48	81.22	90.17	-5,737.38	-776.11	660.02	498.99	161.03	4.099	
18,200.00	12,173.81	18,273.48	12,176.81	81.83	82.55	90.17	-5,837.37	-775.25	660.02	496.31	163.71	4.032	
18,300.00	12,174.68	18,373.48	12,177.68	83.17	83.88	90.17	-5,937.36	-774.39	660.02	493.62	166.40	3.967	
18,400.00	12,175.55	18,473.48	12,178.55	84.52	85.21	90.17	-6,037.35	-773.53	660.02	490.94	169.08	3.903	
18,500.00	12,176.42	18,573.48	12,179.42	85.86	86.54	90.17	-6,137.35	-772.67	660.02	488.25	171.77	3.842	
18,600.00	12,177.29	18,673.48	12,180.29	87.21	87.88	90.17	-6,237.34	-771.81	660.02	485.56	174.46	3.783	
18,700.00	12,178.16	18,773.48	12,181.16	88.56	89.21	90.17	-6,337.33	-770.95	660.02	482.87	177.16	3.726	
18,800.00	12,179.03	18,873.48	12,182.04	89.91	90.55	90.17	-6,437.32	-770.09	660.02	480.17	179.85	3.670	
18,900.00	12,179.90	18,973.48	12,182.91	91.26	91.88	90.17	-6,537.32	-769.23	660.02	477.48	182.54	3.616	
19,000.00	12,180.78	19,073.48	12,183.78	92.61	93.22	90.17	-6,637.31	-768.37	660.02	474.78	185.24	3.563	
19,100.00	12,181.65	19,173.48	12,184.65	93.96	94.56	90.17	-6,737.30	-767.51	660.02	472.09	187.94	3.512	

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 135H
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 135H	**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
19,200.00	12,182.52	19,273.48	12,185.52	95.31	95.90	90.17	-6,837.29	-766.65	660.02	469.39	190.63	3.462	
19,300.00	12,183.39	19,373.48	12,186.39	96.66	97.24	90.17	-6,937.29	-765.79	660.02	466.69	193.33	3.414	
19,400.00	12,184.26	19,473.48	12,187.26	98.01	98.58	90.17	-7,037.28	-764.93	660.02	463.99	196.03	3.367	
19,500.00	12,185.13	19,573.48	12,188.13	99.36	99.92	90.17	-7,137.27	-764.06	660.02	461.29	198.74	3.321	
19,600.00	12,186.00	19,673.48	12,189.00	100.72	101.26	90.17	-7,237.26	-763.20	660.02	458.59	201.44	3.277	
19,700.00	12,186.87	19,773.48	12,189.88	102.07	102.60	90.17	-7,337.26	-762.34	660.02	455.88	204.14	3.233	
19,800.00	12,187.75	19,873.48	12,190.75	103.42	103.95	90.17	-7,437.25	-761.48	660.02	453.18	206.85	3.191	
19,900.00	12,188.62	19,973.48	12,191.62	104.78	105.29	90.17	-7,537.24	-760.62	660.02	450.47	209.55	3.150	
20,000.00	12,189.49	20,073.48	12,192.49	106.13	106.64	90.17	-7,637.23	-759.76	660.02	447.77	212.26	3.110	
20,100.00	12,190.36	20,173.48	12,193.36	107.49	107.98	90.17	-7,737.23	-758.90	660.03	445.06	214.97	3.070	
20,200.00	12,191.23	20,273.48	12,194.23	108.84	109.33	90.17	-7,837.22	-758.04	660.03	442.35	217.67	3.032	
20,300.00	12,192.10	20,373.48	12,195.10	110.20	110.68	90.17	-7,937.21	-757.18	660.03	439.64	220.38	2.995	
20,400.00	12,192.97	20,473.48	12,195.97	111.55	112.02	90.17	-8,037.20	-756.32	660.03	436.93	223.09	2.959	
20,500.00	12,193.85	20,573.48	12,196.84	112.91	113.37	90.17	-8,137.20	-755.46	660.03	434.22	225.80	2.923	
20,600.00	12,194.72	20,673.48	12,197.72	114.27	114.72	90.17	-8,237.19	-754.60	660.03	431.51	228.51	2.888	
20,700.00	12,195.59	20,773.48	12,198.59	115.62	116.07	90.17	-8,337.18	-753.74	660.03	428.80	231.23	2.854	
20,800.00	12,196.46	20,873.48	12,199.46	116.98	117.42	90.17	-8,437.17	-752.87	660.03	426.09	233.94	2.821	
20,900.00	12,197.33	20,973.48	12,200.33	118.34	118.77	90.17	-8,537.17	-752.01	660.03	423.38	236.65	2.789	
21,000.00	12,198.20	21,073.48	12,201.20	119.70	120.12	90.17	-8,637.16	-751.15	660.03	420.66	239.36	2.757	
21,100.00	12,199.07	21,173.48	12,202.07	121.05	121.47	90.17	-8,737.15	-750.29	660.03	417.95	242.08	2.726	
21,200.00	12,199.94	21,273.48	12,202.94	122.41	122.82	90.17	-8,837.14	-749.43	660.03	415.23	244.79	2.696	
21,300.00	12,200.82	21,373.48	12,203.81	123.77	124.17	90.17	-8,937.14	-748.57	660.03	412.52	247.51	2.667	
21,400.00	12,201.69	21,473.48	12,204.68	125.13	125.53	90.17	-9,037.13	-747.71	660.03	409.80	250.22	2.638	
21,500.00	12,202.56	21,573.48	12,205.56	126.49	126.88	90.17	-9,137.12	-746.85	660.03	407.09	252.94	2.609	
21,600.00	12,203.43	21,673.48	12,206.43	127.85	128.23	90.17	-9,237.11	-745.99	660.03	404.37	255.66	2.582	
21,700.00	12,204.30	21,773.48	12,207.30	129.21	129.58	90.17	-9,337.11	-745.13	660.03	401.65	258.38	2.555	
21,800.00	12,205.17	21,873.48	12,208.17	130.57	130.94	90.17	-9,437.10	-744.27	660.03	398.94	261.09	2.528	
21,900.00	12,206.04	21,973.48	12,209.04	131.93	132.29	90.17	-9,537.09	-743.41	660.03	396.22	263.81	2.502	
22,000.00	12,206.91	22,073.48	12,209.91	133.29	133.65	90.17	-9,637.08	-742.55	660.03	393.50	266.53	2.476	
22,100.00	12,207.79	22,173.48	12,210.78	134.65	135.00	90.17	-9,737.08	-741.69	660.03	390.78	269.25	2.451	
22,200.00	12,208.66	22,273.48	12,211.65	136.01	136.36	90.17	-9,837.07	-740.82	660.03	388.06	271.97	2.427	
22,300.00	12,209.53	22,373.48	12,212.53	137.37	137.71	90.17	-9,937.06	-739.96	660.03	385.34	274.69	2.403	
22,400.00	12,210.40	22,473.48	12,213.40	138.73	139.07	90.17	-10,037.05	-739.10	660.03	382.62	277.41	2.379	
22,411.61	12,210.50	22,485.09	12,213.50	138.89	139.22	90.17	-10,048.66	-739.00	660.03	382.31	277.72	2.377	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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	0.00	160.00	0.00	160.00				
100.00	100.00	100.00	100.00	0.98	0.98	0.00	160.00	0.00	160.00	158.04	1.96	81.542	
200.00	200.00	200.00	200.00	1.56	1.56	0.00	160.00	0.00	160.00	156.88	3.12	51.245	
300.00	300.00	300.00	300.00	1.98	1.98	0.00	160.00	0.00	160.00	156.04	3.96	40.380	
400.00	400.00	400.00	400.00	2.33	2.33	0.00	160.00	0.00	160.00	155.34	4.66	34.343	
500.00	500.00	500.00	500.00	2.63	2.63	0.00	160.00	0.00	160.00	154.73	5.27	30.366	
600.00	600.00	600.00	600.00	2.91	2.91	0.00	160.00	0.00	160.00	154.18	5.82	27.491	
700.00	700.00	700.00	700.00	3.16	3.16	0.00	160.00	0.00	160.00	153.67	6.33	25.286	
800.00	800.00	800.00	800.00	3.40	3.40	0.00	160.00	0.00	160.00	153.20	6.80	23.525	
900.00	899.99	897.81	897.80	3.68	3.67	20.77	160.66	1.06	159.45	152.15	7.30	21.834	
1,000.00	999.91	995.47	995.39	3.94	3.92	22.43	162.64	4.25	157.90	150.13	7.78	20.307	
1,100.00	1,099.77	1,092.88	1,092.59	4.15	4.17	25.02	165.91	9.54	156.81	148.62	8.19	19.147	
1,108.35	1,108.11	1,101.00	1,100.69	4.16	4.18	25.27	166.25	10.07	156.80	148.58	8.22	19.070	
1,200.00	1,199.63	1,191.46	1,190.82	4.35	4.28	28.26	170.33	16.66	157.40	148.90	8.50	18.517	
1,250.43	1,250.00	1,241.68	1,240.85	4.40	4.37	29.93	172.64	20.38	157.97	149.33	8.64	18.275	
1,300.00	1,299.48	1,291.02	1,290.00	4.45	4.47	31.62	174.90	24.03	158.39	149.59	8.79	18.012	
1,400.00	1,399.17	1,390.47	1,389.07	4.69	4.66	35.39	179.47	31.40	158.04	148.83	9.21	17.151	
1,500.00	1,498.62	1,489.73	1,487.95	4.93	4.86	39.77	184.03	38.75	156.37	146.75	9.62	16.248	
1,550.47	1,548.70	1,539.72	1,537.75	4.99	4.95	42.25	186.32	42.46	155.14	145.37	9.77	15.877	
1,600.00	1,597.81	1,588.76	1,586.60	5.05	5.05	44.79	188.58	46.09	154.00	144.08	9.91	15.532	
1,700.00	1,696.95	1,687.75	1,685.22	5.25	5.23	50.00	193.12	53.42	152.64	142.35	10.29	14.835	
1,754.36	1,750.85	1,741.57	1,738.83	5.35	5.34	52.85	195.59	57.41	152.44	141.95	10.49	14.531	CC
1,800.00	1,796.09	1,786.75	1,783.84	5.44	5.42	55.25	197.67	60.75	152.58	141.92	10.66	14.314	ES
1,900.00	1,895.24	1,885.74	1,882.46	5.64	5.61	60.47	202.22	68.09	153.83	142.80	11.03	13.950	
2,000.00	1,994.38	1,984.74	1,981.08	5.83	5.79	65.57	206.76	75.42	156.35	144.96	11.39	13.725	
2,100.00	2,093.53	2,083.73	2,079.69	6.03	5.98	70.46	211.31	82.75	160.08	148.33	11.75	13.620	
2,200.00	2,192.67	2,182.73	2,178.31	6.22	6.17	75.11	215.86	90.09	164.95	152.83	12.12	13.609	
2,300.00	2,291.82	2,279.48	2,274.66	6.42	6.35	79.37	220.56	97.67	171.36	158.90	12.46	13.747	
2,400.00	2,390.96	2,375.39	2,370.00	6.61	6.53	83.23	226.04	106.51	180.30	167.50	12.81	14.080	
2,500.00	2,490.11	2,471.01	2,464.86	6.81	6.71	86.64	232.34	116.68	191.67	178.52	13.15	14.579	
2,600.00	2,589.25	2,566.28	2,559.17	7.00	6.89	89.57	239.45	128.15	205.28	191.80	13.49	15.221	
2,700.00	2,688.39	2,661.17	2,652.86	7.20	7.08	92.04	247.35	140.89	220.98	207.15	13.83	15.981	
2,800.00	2,787.54	2,755.60	2,745.85	7.39	7.26	94.06	256.03	154.88	238.60	224.43	14.17	16.841	
2,900.00	2,886.68	2,849.55	2,838.08	7.59	7.45	95.70	265.46	170.09	258.01	243.50	14.51	17.780	
3,000.00	2,985.83	2,944.75	2,931.25	7.78	7.64	97.03	275.75	186.69	279.00	264.13	14.87	18.764	
3,100.00	3,084.97	3,042.27	3,026.64	7.98	7.84	98.19	286.42	203.92	300.36	285.12	15.24	19.704	
3,200.00	3,184.12	3,139.79	3,122.04	8.17	8.03	99.20	297.10	221.15	321.83	306.20	15.62	20.598	
3,300.00	3,283.26	3,237.32	3,217.43	8.36	8.23	100.07	307.78	238.37	343.38	327.37	16.01	21.453	
3,400.00	3,382.40	3,334.84	3,312.83	8.56	8.43	100.85	318.46	255.60	364.99	348.60	16.39	22.269	
3,500.00	3,481.55	3,432.36	3,408.22	8.75	8.63	101.54	329.14	272.83	386.67	369.89	16.78	23.050	
3,600.00	3,580.69	3,529.89	3,503.61	8.95	8.84	102.15	339.82	290.05	408.39	391.23	17.16	23.796	
3,700.00	3,679.84	3,627.41	3,599.01	9.14	9.05	102.71	350.50	307.28	430.15	412.60	17.55	24.510	
3,800.00	3,778.98	3,724.93	3,694.40	9.33	9.27	103.21	361.18	324.51	451.95	434.01	17.94	25.193	
3,900.00	3,878.13	3,822.46	3,789.79	9.53	9.49	103.66	371.86	341.73	473.77	455.44	18.33	25.847	
4,000.00	3,977.27	3,919.98	3,885.19	9.72	9.72	104.08	382.54	358.96	495.62	476.90	18.72	26.474	
4,100.00	4,076.42	4,017.50	3,980.58	9.91	9.95	104.46	393.22	376.19	517.50	498.39	19.11	27.082	
4,200.00	4,175.56	4,119.76	4,080.66	10.11	10.17	104.83	404.27	394.02	539.17	519.67	19.49	27.659	
4,300.00	4,274.70	4,226.70	4,185.68	10.30	10.42	105.28	414.92	411.20	559.42	539.49	19.93	28.070	
4,400.00	4,373.85	4,334.27	4,291.67	10.49	10.66	105.80	424.59	426.79	578.08	557.72	20.36	28.394	
4,500.00	4,472.99	4,442.39	4,398.53	10.69	10.89	106.37	433.25	440.76	595.15	574.37	20.78	28.640	
4,600.00	4,572.14	4,551.00	4,506.16	10.88	11.11	107.01	440.87	453.06	610.64	589.45	21.19	28.814	
4,700.00	4,671.28	4,660.01	4,614.45	11.08	11.31	107.71	447.45	463.67	624.57	602.97	21.60	28.919	

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 135H
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 135H	**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
4,702.13	4,673.39	4,662.33	4,616.77	11.08	11.31	107.73	447.57	463.87	624.85	603.24	21.61	28.921	
4,800.00	4,770.58	4,769.49	4,723.43	11.28	11.49	108.52	452.95	472.55	636.55	614.57	21.98	28.962	
4,900.00	4,870.15	4,879.50	4,833.12	11.48	11.66	109.14	457.38	479.69	646.12	623.78	22.33	28.930	
5,000.00	4,969.93	4,989.91	4,943.35	11.67	11.82	109.56	460.71	485.06	653.21	630.56	22.66	28.830	
5,100.00	5,069.85	5,100.61	5,053.97	11.85	11.97	109.80	462.92	488.63	657.80	634.85	22.95	28.666	
5,200.00	5,169.84	5,211.47	5,164.80	11.99	12.10	109.86	464.01	490.39	659.85	636.66	23.19	28.457	
5,202.16	5,172.00	5,213.86	5,167.20	12.00	12.10	89.62	464.02	490.40	659.87	636.67	23.19	28.453	
5,300.00	5,269.84	5,316.50	5,269.84	12.08	12.16	89.61	464.13	490.58	660.03	636.69	23.33	28.286	
5,400.00	5,369.84	5,416.50	5,369.84	12.17	12.24	89.61	464.13	490.58	660.03	636.53	23.50	28.086	
5,500.00	5,469.84	5,516.50	5,469.84	12.26	12.32	89.61	464.13	490.58	660.03	636.36	23.67	27.889	
5,600.00	5,569.84	5,616.50	5,569.84	12.34	12.40	89.61	464.13	490.58	660.03	636.19	23.83	27.695	
5,700.00	5,669.84	5,716.50	5,669.84	12.43	12.48	89.61	464.13	490.58	660.03	636.03	24.00	27.504	
5,800.00	5,769.84	5,816.50	5,769.84	12.52	12.56	89.61	464.13	490.58	660.03	635.86	24.16	27.315	
5,900.00	5,869.84	5,916.50	5,869.84	12.61	12.64	89.61	464.13	490.58	660.03	635.70	24.33	27.129	
6,000.00	5,969.84	6,016.50	5,969.84	12.69	12.72	89.61	464.13	490.58	660.03	635.53	24.50	26.945	
6,100.00	6,069.84	6,116.50	6,069.84	12.78	12.81	89.61	464.13	490.58	660.03	635.36	24.66	26.764	
6,200.00	6,169.84	6,216.50	6,169.84	12.87	12.89	89.61	464.13	490.58	660.03	635.20	24.83	26.585	
6,300.00	6,269.84	6,316.50	6,269.84	12.96	12.97	89.61	464.13	490.58	660.03	635.03	24.99	26.409	
6,400.00	6,369.84	6,416.50	6,369.84	13.04	13.05	89.61	464.13	490.58	660.03	634.87	25.16	26.235	
6,500.00	6,469.84	6,516.50	6,469.84	13.13	13.13	89.61	464.13	490.58	660.03	634.70	25.32	26.064	
6,600.00	6,569.84	6,616.50	6,569.84	13.22	13.21	89.61	464.13	490.58	660.03	634.54	25.49	25.895	
6,700.00	6,669.84	6,716.50	6,669.84	13.30	13.29	89.61	464.13	490.58	660.03	634.37	25.65	25.728	
6,800.00	6,769.84	6,816.50	6,769.84	13.39	13.37	89.61	464.13	490.58	660.03	634.21	25.82	25.563	
6,900.00	6,869.84	6,916.50	6,869.84	13.48	13.45	89.61	464.13	490.58	660.03	634.04	25.99	25.400	
7,000.00	6,969.84	7,016.50	6,969.84	13.56	13.53	89.61	464.13	490.58	660.03	633.87	26.15	25.239	
7,100.00	7,069.84	7,116.50	7,069.84	13.65	13.61	89.61	464.13	490.58	660.03	633.71	26.32	25.081	
7,200.00	7,169.84	7,216.50	7,169.84	13.74	13.70	89.61	464.13	490.58	660.03	633.54	26.48	24.924	
7,300.00	7,269.84	7,316.50	7,269.84	13.82	13.78	89.61	464.13	490.58	660.03	633.38	26.65	24.770	
7,400.00	7,369.84	7,416.50	7,369.84	13.91	13.86	89.61	464.13	490.58	660.03	633.21	26.81	24.617	
7,500.00	7,469.84	7,516.50	7,469.84	14.00	13.94	89.61	464.13	490.58	660.03	633.05	26.98	24.466	
7,600.00	7,569.84	7,616.50	7,569.84	14.08	14.02	89.61	464.13	490.58	660.03	632.88	27.14	24.317	
7,700.00	7,669.84	7,716.50	7,669.84	14.17	14.10	89.61	464.13	490.58	660.03	632.72	27.31	24.170	
7,800.00	7,769.84	7,816.50	7,769.84	14.26	14.18	89.61	464.13	490.58	660.03	632.55	27.47	24.025	
7,900.00	7,869.84	7,916.50	7,869.84	14.34	14.26	89.61	464.13	490.58	660.03	632.39	27.64	23.881	
8,000.00	7,969.84	8,016.50	7,969.84	14.43	14.34	89.61	464.13	490.58	660.03	632.22	27.80	23.740	
8,100.00	8,069.84	8,116.50	8,069.84	14.51	14.42	89.61	464.13	490.58	660.03	632.06	27.97	23.599	
8,200.00	8,169.84	8,216.50	8,169.84	14.60	14.51	89.61	464.13	490.58	660.03	631.89	28.13	23.461	
8,300.00	8,269.84	8,316.50	8,269.84	14.69	14.59	89.61	464.13	490.58	660.03	631.73	28.30	23.324	
8,400.00	8,369.84	8,416.50	8,369.84	14.77	14.67	89.61	464.13	490.58	660.03	631.56	28.46	23.189	
8,500.00	8,469.84	8,516.50	8,469.84	14.86	14.75	89.61	464.13	490.58	660.03	631.40	28.63	23.055	
8,600.00	8,569.84	8,616.50	8,569.84	14.94	14.83	89.61	464.13	490.58	660.03	631.23	28.79	22.923	
8,700.00	8,669.84	8,716.50	8,669.84	15.03	14.91	89.61	464.13	490.58	660.03	631.07	28.96	22.793	
8,800.00	8,769.84	8,816.50	8,769.84	15.12	14.99	89.61	464.13	490.58	660.03	630.90	29.12	22.664	
8,900.00	8,869.84	8,916.50	8,869.84	15.20	15.07	89.61	464.13	490.58	660.03	630.74	29.29	22.536	
9,000.00	8,969.84	9,016.50	8,969.84	15.29	15.15	89.61	464.13	490.58	660.03	630.57	29.45	22.410	
9,100.00	9,069.84	9,116.50	9,069.84	15.37	15.24	89.61	464.13	490.58	660.03	630.41	29.62	22.285	
9,200.00	9,169.84	9,216.50	9,169.84	15.46	15.32	89.61	464.13	490.58	660.03	630.24	29.78	22.162	
9,300.00	9,269.84	9,316.50	9,269.84	15.54	15.40	89.61	464.13	490.58	660.03	630.08	29.95	22.040	
9,400.00	9,369.84	9,416.50	9,369.84	15.63	15.48	89.61	464.13	490.58	660.03	629.91	30.11	21.919	
9,500.00	9,469.84	9,516.50	9,469.84	15.71	15.56	89.61	464.13	490.58	660.03	629.75	30.28	21.800	
9,600.00	9,569.84	9,616.50	9,569.84	15.80	15.64	89.61	464.13	490.58	660.03	629.58	30.44	21.682	
9,700.00	9,669.84	9,716.50	9,669.84	15.89	15.72	89.61	464.13	490.58	660.03	629.42	30.61	21.566	

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 135H
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 135H	**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	9,769.84	9,816.50	9,769.84	15.97	15.80	89.61	464.13	490.58	660.03	629.25	30.77	21.450	
9,900.00	9,869.84	9,916.50	9,869.84	16.06	15.88	89.61	464.13	490.58	660.03	629.09	30.93	21.336	
10,000.00	9,969.84	10,016.50	9,969.84	16.14	15.97	89.61	464.13	490.58	660.03	628.93	31.10	21.223	
10,100.00	10,069.84	10,116.50	10,069.84	16.23	16.05	89.61	464.13	490.58	660.03	628.76	31.26	21.111	
10,200.00	10,169.84	10,216.50	10,169.84	16.31	16.13	89.61	464.13	490.58	660.03	628.60	31.43	21.001	
10,300.00	10,269.84	10,316.50	10,269.84	16.40	16.21	89.61	464.13	490.58	660.03	628.43	31.59	20.891	
10,400.00	10,369.84	10,416.50	10,369.84	16.48	16.29	89.61	464.13	490.58	660.03	628.27	31.76	20.783	
10,500.00	10,469.84	10,516.50	10,469.84	16.57	16.37	89.61	464.13	490.58	660.03	628.10	31.92	20.676	
10,600.00	10,569.84	10,616.50	10,569.84	16.65	16.45	89.61	464.13	490.58	660.03	627.94	32.09	20.570	
10,700.00	10,669.84	10,716.50	10,669.84	16.74	16.53	89.61	464.13	490.58	660.03	627.77	32.25	20.465	
10,800.00	10,769.84	10,816.50	10,769.84	16.82	16.61	89.61	464.13	490.58	660.03	627.61	32.42	20.361	
10,900.00	10,869.84	10,916.50	10,869.84	16.91	16.70	89.61	464.13	490.58	660.03	627.44	32.58	20.258	
11,000.00	10,969.84	11,016.50	10,969.84	16.99	16.78	89.61	464.13	490.58	660.03	627.28	32.75	20.156	
11,100.00	11,069.84	11,116.50	11,069.84	17.08	16.86	89.61	464.13	490.58	660.03	627.12	32.91	20.056	
11,200.00	11,169.84	11,216.50	11,169.84	17.16	16.94	89.61	464.13	490.58	660.03	626.95	33.07	19.956	
11,300.00	11,269.84	11,316.50	11,269.84	17.25	17.02	89.61	464.13	490.58	660.03	626.79	33.24	19.857	
11,400.00	11,369.84	11,416.50	11,369.84	17.33	17.10	89.61	464.13	490.58	660.03	626.62	33.40	19.759	
11,500.00	11,469.84	11,516.50	11,469.84	17.42	17.18	89.61	464.13	490.58	660.03	626.46	33.57	19.663	
11,581.16	11,551.00	11,597.66	11,551.00	17.48	17.25	89.61	464.13	490.58	660.03	626.33	33.69	19.590	
11,600.00	11,569.83	11,616.46	11,569.80	17.48	17.27	-89.90	463.88	490.58	660.03	626.33	33.69	19.589	
11,650.00	11,619.67	11,666.37	11,619.56	17.49	17.32	-89.92	460.25	490.61	660.02	626.37	33.65	19.613	
11,700.00	11,668.99	11,716.30	11,668.83	17.51	17.35	-89.93	452.30	490.68	660.02	626.46	33.57	19.664	
11,750.00	11,717.40	11,766.24	11,717.24	17.51	17.38	-89.95	440.09	490.79	660.02	626.58	33.45	19.734	
11,800.00	11,764.55	11,816.20	11,764.42	17.52	17.41	-89.97	423.70	490.93	660.02	626.73	33.30	19.822	
11,850.00	11,810.08	11,866.18	11,810.01	17.52	17.44	-89.99	403.26	491.10	660.02	626.90	33.13	19.925	
11,884.72	11,840.56	11,900.89	11,840.54	17.52	17.46	-90.00	386.75	491.25	660.02	627.03	33.00	20.004	
11,900.00	11,853.63	11,916.17	11,853.65	17.52	17.47	-90.00	378.91	491.31	660.02	627.09	32.94	20.039	
11,950.00	11,894.88	11,966.18	11,895.03	17.53	17.51	-90.02	350.85	491.56	660.02	627.29	32.74	20.160	
12,000.00	11,933.52	12,016.21	11,933.81	17.53	17.54	-90.04	319.27	491.83	660.02	627.48	32.54	20.284	
12,050.00	11,969.24	12,066.26	11,969.71	17.53	17.58	-90.06	284.42	492.13	660.02	627.67	32.35	20.403	
12,100.00	12,001.78	12,116.32	12,002.43	17.53	17.63	-90.07	246.55	492.45	660.02	627.85	32.18	20.512	
12,150.00	12,030.89	12,166.40	12,031.74	17.53	17.68	-90.09	205.97	492.80	660.03	627.99	32.03	20.604	
12,200.00	12,056.34	12,216.50	12,057.40	17.53	17.75	-90.10	162.96	493.17	660.03	628.10	31.93	20.673	
12,250.00	12,077.95	12,266.61	12,079.21	17.54	17.82	-90.12	117.86	493.56	660.03	628.16	31.86	20.714	
12,300.00	12,095.55	12,316.74	12,097.00	17.55	17.90	-90.13	71.02	493.96	660.03	628.17	31.85	20.721	
12,350.00	12,109.01	12,366.88	12,110.64	17.56	18.00	-90.15	22.79	494.38	660.03	628.13	31.90	20.691	
12,400.00	12,118.22	12,417.03	12,120.01	17.58	18.12	-90.16	-26.46	494.80	660.03	628.02	32.00	20.623	
12,450.00	12,123.11	12,467.19	12,125.04	17.60	18.25	-90.17	-76.36	495.23	660.03	627.86	32.17	20.517	
12,476.17	12,123.94	12,493.45	12,125.92	17.61	18.33	-90.17	-102.60	495.46	660.03	627.75	32.28	20.450	
12,500.00	12,124.14	12,517.29	12,126.13	17.62	18.40	-90.17	-126.43	495.67	660.03	627.63	32.40	20.372	
12,600.00	12,125.02	12,617.29	12,127.00	17.69	18.75	-90.17	-226.42	496.53	660.03	626.99	33.04	19.976	
12,700.00	12,125.89	12,717.29	12,127.88	17.79	19.18	-90.17	-326.42	497.39	660.03	626.13	33.89	19.473	
12,800.00	12,126.76	12,817.29	12,128.75	17.95	19.68	-90.17	-426.41	498.25	660.03	625.09	34.94	18.889	
12,900.00	12,127.63	12,917.29	12,129.62	18.21	20.26	-90.17	-526.40	499.11	660.03	623.86	36.17	18.249	
13,000.00	12,128.50	13,017.29	12,130.49	18.61	20.91	-90.17	-626.39	499.97	660.03	622.47	37.55	17.575	
13,100.00	12,129.37	13,117.29	12,131.36	19.18	21.63	-90.17	-726.39	500.83	660.03	620.94	39.08	16.888	
13,200.00	12,130.24	13,217.29	12,132.23	19.87	22.42	-90.17	-826.38	501.69	660.03	619.29	40.74	16.201	
13,300.00	12,131.11	13,317.29	12,133.10	20.66	23.26	-90.17	-926.37	502.55	660.03	617.52	42.51	15.526	
13,400.00	12,131.99	13,417.29	12,133.98	21.53	24.15	-90.17	-1,026.36	503.41	660.03	615.65	44.38	14.873	
13,500.00	12,132.86	13,517.29	12,134.85	22.45	25.08	-90.17	-1,126.36	504.27	660.03	613.69	46.33	14.245	
13,600.00	12,133.73	13,617.29	12,135.72	23.43	26.06	-90.17	-1,226.35	505.14	660.03	611.66	48.37	13.647	
13,700.00	12,134.60	13,717.29	12,136.59	24.44	27.07	-90.17	-1,326.34	506.00	660.03	609.56	50.46	13.079	

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 135H
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 135H	**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	12,135.47	13,817.29	12,137.46	25.50	28.12	-90.17	-1,426.33	506.86	660.03	607.41	52.62	12.543	
13,900.00	12,136.34	13,917.29	12,138.33	26.58	29.19	-90.17	-1,526.33	507.72	660.03	605.20	54.83	12.037	
14,000.00	12,137.21	14,017.29	12,139.20	27.69	30.28	-90.17	-1,626.32	508.58	660.03	602.94	57.09	11.561	
14,100.00	12,138.08	14,117.29	12,140.08	28.82	31.40	-90.17	-1,726.31	509.44	660.03	600.64	59.39	11.114	
14,200.00	12,138.96	14,217.29	12,140.95	29.98	32.54	-90.17	-1,826.30	510.30	660.03	598.31	61.72	10.694	
14,300.00	12,139.83	14,317.29	12,141.82	31.15	33.70	-90.17	-1,926.30	511.16	660.03	595.94	64.08	10.299	
14,400.00	12,140.70	14,417.29	12,142.69	32.33	34.87	-90.17	-2,026.29	512.02	660.03	593.55	66.48	9.928	
14,500.00	12,141.57	14,517.29	12,143.56	33.54	36.06	-90.17	-2,126.28	512.88	660.03	591.13	68.90	9.580	
14,600.00	12,142.44	14,617.29	12,144.43	34.75	37.26	-90.17	-2,226.27	513.75	660.03	588.69	71.34	9.252	
14,700.00	12,143.31	14,717.29	12,145.30	35.98	38.47	-90.17	-2,326.27	514.61	660.03	586.22	73.81	8.943	
14,800.00	12,144.18	14,817.29	12,146.18	37.21	39.69	-90.17	-2,426.26	515.47	660.03	583.74	76.29	8.652	
14,900.00	12,145.05	14,917.29	12,147.05	38.46	40.93	-90.17	-2,526.25	516.33	660.03	581.24	78.79	8.377	
15,000.00	12,145.93	15,017.29	12,147.92	39.71	42.17	-90.17	-2,626.24	517.19	660.03	578.72	81.30	8.118	
15,100.00	12,146.80	15,117.29	12,148.79	40.97	43.41	-90.17	-2,726.24	518.05	660.03	576.20	83.83	7.873	
15,200.00	12,147.67	15,217.29	12,149.66	42.24	44.67	-90.17	-2,826.23	518.91	660.03	573.65	86.37	7.641	
15,300.00	12,148.54	15,317.29	12,150.53	43.51	45.93	-90.17	-2,926.22	519.77	660.03	571.10	88.93	7.422	
15,400.00	12,149.41	15,417.29	12,151.40	44.79	47.20	-90.17	-3,026.21	520.63	660.03	568.53	91.49	7.214	
15,500.00	12,150.28	15,517.29	12,152.28	46.08	48.47	-90.17	-3,126.21	521.49	660.03	565.96	94.07	7.016	
15,600.00	12,151.15	15,617.29	12,153.15	47.37	49.75	-90.17	-3,226.20	522.36	660.03	563.38	96.65	6.829	
15,700.00	12,152.02	15,717.29	12,154.02	48.66	51.04	-90.17	-3,326.19	523.22	660.03	560.78	99.24	6.651	
15,800.00	12,152.90	15,817.29	12,154.89	49.96	52.33	-90.17	-3,426.18	524.08	660.03	558.18	101.84	6.481	
15,900.00	12,153.77	15,917.29	12,155.76	51.26	53.62	-90.17	-3,526.18	524.94	660.03	555.58	104.45	6.319	
16,000.00	12,154.64	16,017.29	12,156.63	52.57	54.92	-90.17	-3,626.17	525.80	660.03	552.96	107.06	6.165	
16,100.00	12,155.51	16,117.29	12,157.50	53.88	56.22	-90.17	-3,726.16	526.66	660.03	550.34	109.68	6.018	
16,200.00	12,156.38	16,217.29	12,158.38	55.19	57.52	-90.17	-3,826.15	527.52	660.03	547.72	112.31	5.877	
16,300.00	12,157.25	16,317.29	12,159.25	56.50	58.82	-90.17	-3,926.15	528.38	660.03	545.09	114.94	5.742	
16,400.00	12,158.12	16,417.29	12,160.12	57.82	60.13	-90.17	-4,026.14	529.24	660.03	542.45	117.58	5.614	
16,500.00	12,158.99	16,517.29	12,160.99	59.14	61.45	-90.17	-4,126.13	530.10	660.03	539.81	120.22	5.490	
16,600.00	12,159.87	16,617.29	12,161.86	60.46	62.76	-90.17	-4,226.12	530.97	660.03	537.17	122.86	5.372	
16,700.00	12,160.74	16,717.29	12,162.73	61.79	64.08	-90.17	-4,326.12	531.83	660.03	534.52	125.51	5.259	
16,800.00	12,161.61	16,817.29	12,163.60	63.11	65.40	-90.17	-4,426.11	532.69	660.03	531.87	128.16	5.150	
16,900.00	12,162.48	16,917.29	12,164.47	64.44	66.72	-90.17	-4,526.10	533.55	660.03	529.21	130.82	5.045	
17,000.00	12,163.35	17,017.29	12,165.35	65.77	68.04	-90.17	-4,626.09	534.41	660.03	526.55	133.48	4.945	
17,100.00	12,164.22	17,117.29	12,166.22	67.10	69.36	-90.17	-4,726.09	535.27	660.03	523.89	136.14	4.848	
17,200.00	12,165.09	17,217.29	12,167.09	68.43	70.69	-90.17	-4,826.08	536.13	660.03	521.22	138.81	4.755	
17,300.00	12,165.96	17,317.29	12,167.96	69.77	72.02	-90.17	-4,926.07	536.99	660.03	518.55	141.47	4.665	
17,400.00	12,166.84	17,417.29	12,168.83	71.10	73.35	-90.17	-5,026.06	537.85	660.03	515.88	144.15	4.579	
17,500.00	12,167.71	17,517.29	12,169.70	72.44	74.68	-90.17	-5,126.06	538.71	660.03	513.21	146.82	4.495	
17,600.00	12,168.58	17,617.29	12,170.57	73.78	76.01	-90.17	-5,226.05	539.58	660.03	510.53	149.50	4.415	
17,700.00	12,169.45	17,717.29	12,171.45	75.12	77.35	-90.17	-5,326.04	540.44	660.03	507.85	152.17	4.337	
17,800.00	12,170.32	17,817.29	12,172.32	76.46	78.68	-90.17	-5,426.03	541.30	660.03	505.17	154.85	4.262	
17,900.00	12,171.19	17,917.29	12,173.19	77.80	80.02	-90.17	-5,526.03	542.16	660.03	502.49	157.54	4.190	
18,000.00	12,172.06	18,017.29	12,174.06	79.14	81.36	-90.17	-5,626.02	543.02	660.03	499.81	160.22	4.119	
18,100.00	12,172.93	18,117.29	12,174.93	80.48	82.69	-90.17	-5,726.01	543.88	660.03	497.12	162.91	4.052	
18,200.00	12,173.81	18,217.29	12,175.80	81.83	84.03	-90.17	-5,826.00	544.74	660.03	494.43	165.60	3.986	
18,300.00	12,174.68	18,317.29	12,176.67	83.17	85.37	-90.17	-5,926.00	545.60	660.03	491.74	168.29	3.922	
18,400.00	12,175.55	18,417.29	12,177.55	84.52	86.72	-90.17	-6,025.99	546.46	660.03	489.05	170.98	3.860	
18,500.00	12,176.42	18,517.29	12,178.42	85.86	88.06	-90.17	-6,125.98	547.32	660.03	486.36	173.67	3.800	
18,600.00	12,177.29	18,617.29	12,179.29	87.21	89.40	-90.17	-6,225.97	548.19	660.03	483.66	176.36	3.742	
18,700.00	12,178.16	18,717.29	12,180.16	88.56	90.74	-90.17	-6,325.97	549.05	660.03	480.97	179.06	3.686	
18,800.00	12,179.03	18,817.29	12,181.03	89.91	92.09	-90.17	-6,425.96	549.91	660.03	478.27	181.76	3.631	
18,900.00	12,179.90	18,917.29	12,181.90	91.26	93.44	-90.17	-6,525.95	550.77	660.03	475.57	184.46	3.578	

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 135H
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 135H	**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	12,180.78	19,017.29	12,182.77	92.61	94.78	-90.17	-6,625.94	551.63	660.03	472.87	187.15	3.527	
19,100.00	12,181.65	19,117.29	12,183.65	93.96	96.13	-90.17	-6,725.94	552.49	660.03	470.17	189.86	3.476	
19,200.00	12,182.52	19,217.29	12,184.52	95.31	97.48	-90.17	-6,825.93	553.35	660.03	467.47	192.56	3.428	
19,300.00	12,183.39	19,317.29	12,185.39	96.66	98.82	-90.17	-6,925.92	554.21	660.03	464.77	195.26	3.380	
19,400.00	12,184.26	19,417.29	12,186.26	98.01	100.17	-90.17	-7,025.91	555.07	660.03	462.07	197.96	3.334	
19,500.00	12,185.13	19,517.29	12,187.13	99.36	101.52	-90.17	-7,125.91	555.93	660.03	459.36	200.67	3.289	
19,600.00	12,186.00	19,617.29	12,188.00	100.72	102.87	-90.17	-7,225.90	556.80	660.03	456.66	203.37	3.245	
19,700.00	12,186.87	19,717.29	12,188.87	102.07	104.22	-90.17	-7,325.89	557.66	660.03	453.95	206.08	3.203	
19,800.00	12,187.75	19,817.29	12,189.75	103.42	105.57	-90.17	-7,425.88	558.52	660.03	451.24	208.79	3.161	
19,900.00	12,188.62	19,917.29	12,190.62	104.78	106.92	-90.17	-7,525.88	559.38	660.03	448.53	211.50	3.121	
20,000.00	12,189.49	20,017.29	12,191.49	106.13	108.28	-90.17	-7,625.87	560.24	660.03	445.82	214.21	3.081	
20,100.00	12,190.36	20,117.29	12,192.36	107.49	109.63	-90.17	-7,725.86	561.10	660.03	443.11	216.92	3.043	
20,200.00	12,191.23	20,217.29	12,193.23	108.84	110.98	-90.17	-7,825.85	561.96	660.03	440.40	219.63	3.005	
20,300.00	12,192.10	20,317.29	12,194.10	110.20	112.33	-90.17	-7,925.85	562.82	660.03	437.69	222.34	2.969	
20,400.00	12,192.97	20,417.29	12,194.97	111.55	113.69	-90.17	-8,025.84	563.68	660.03	434.98	225.05	2.933	
20,500.00	12,193.85	20,517.29	12,195.85	112.91	115.04	-90.17	-8,125.83	564.54	660.03	432.27	227.76	2.898	
20,600.00	12,194.72	20,617.29	12,196.72	114.27	116.40	-90.17	-8,225.82	565.40	660.03	429.55	230.47	2.864	
20,700.00	12,195.59	20,717.29	12,197.59	115.62	117.75	-90.17	-8,325.82	566.27	660.03	426.84	233.19	2.830	
20,800.00	12,196.46	20,817.29	12,198.46	116.98	119.10	-90.17	-8,425.81	567.13	660.03	424.13	235.90	2.798	
20,900.00	12,197.33	20,917.29	12,199.33	118.34	120.46	-90.17	-8,525.80	567.99	660.03	421.41	238.62	2.766	
21,000.00	12,198.20	21,017.29	12,200.20	119.70	121.82	-90.17	-8,625.79	568.85	660.03	418.70	241.33	2.735	
21,100.00	12,199.07	21,117.29	12,201.07	121.05	123.17	-90.17	-8,725.79	569.71	660.03	415.98	244.05	2.704	
21,200.00	12,199.94	21,217.29	12,201.94	122.41	124.53	-90.17	-8,825.78	570.57	660.03	413.26	246.77	2.675	
21,300.00	12,200.82	21,317.29	12,202.82	123.77	125.88	-90.17	-8,925.77	571.43	660.03	410.55	249.48	2.646	
21,400.00	12,201.69	21,417.29	12,203.69	125.13	127.24	-90.17	-9,025.76	572.29	660.03	407.83	252.20	2.617	
21,500.00	12,202.56	21,517.29	12,204.56	126.49	128.60	-90.17	-9,125.76	573.15	660.03	405.11	254.92	2.589	
21,600.00	12,203.43	21,617.29	12,205.43	127.85	129.96	-90.17	-9,225.75	574.01	660.03	402.39	257.64	2.562	
21,700.00	12,204.30	21,717.29	12,206.30	129.21	131.31	-90.17	-9,325.74	574.88	660.03	399.67	260.36	2.535	
21,800.00	12,205.17	21,817.29	12,207.17	130.57	132.67	-90.17	-9,425.73	575.74	660.03	396.95	263.08	2.509	
21,900.00	12,206.04	21,917.29	12,208.04	131.93	134.03	-90.17	-9,525.73	576.60	660.03	394.23	265.80	2.483	
22,000.00	12,206.91	22,017.29	12,208.92	133.29	135.39	-90.17	-9,625.72	577.46	660.03	391.51	268.52	2.458	
22,100.00	12,207.79	22,117.29	12,209.79	134.65	136.75	-90.17	-9,725.71	578.32	660.03	388.79	271.24	2.433	
22,200.00	12,208.66	22,217.29	12,210.66	136.01	138.11	-90.17	-9,825.70	579.18	660.03	386.07	273.96	2.409	
22,300.00	12,209.53	22,317.29	12,211.53	137.37	139.46	-90.17	-9,925.70	580.04	660.03	383.35	276.68	2.386	
22,400.00	12,210.40	22,417.29	12,212.40	138.73	140.82	-90.17	-10,025.69	580.90	660.03	380.63	279.40	2.362	
22,401.19	12,210.41	22,418.48	12,212.41	138.75	140.84	-90.17	-10,026.88	580.91	660.03	380.60	279.43	2.362	
22,411.61	12,210.50	22,428.60	12,212.50	138.89	140.98	-90.17	-10,037.00	581.00	660.03	380.32	279.71	2.360	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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
1,700.00	1,696.95	2,024.21	2,014.69	5.25	5.78	89.63	945.93	2,212.38	2,424.20	2,413.53	10.67	227.218	
1,800.00	1,796.09	2,120.95	2,110.24	5.44	5.96	90.14	933.41	2,203.87	2,411.11	2,400.06	11.05	218.106	
1,900.00	1,895.24	2,217.69	2,205.79	5.64	6.15	90.65	920.90	2,195.37	2,398.23	2,386.79	11.44	209.618	
2,000.00	1,994.38	2,314.43	2,301.34	5.83	6.34	91.16	908.39	2,186.87	2,385.54	2,373.71	11.83	201.693	
2,100.00	2,093.53	2,411.17	2,396.88	6.03	6.53	91.69	895.88	2,178.36	2,373.06	2,360.84	12.21	194.279	
2,200.00	2,192.67	2,507.90	2,492.43	6.22	6.72	92.21	883.37	2,169.86	2,360.78	2,348.18	12.60	187.328	
2,300.00	2,291.82	2,604.64	2,587.98	6.42	6.91	92.75	870.86	2,161.36	2,348.71	2,335.72	12.99	180.802	
2,400.00	2,390.96	2,701.38	2,683.53	6.61	7.10	93.28	858.35	2,152.85	2,336.85	2,323.47	13.38	174.663	
2,500.00	2,490.11	2,798.12	2,779.07	6.81	7.30	93.83	845.84	2,144.35	2,325.21	2,311.44	13.77	168.879	
2,600.00	2,589.25	2,894.85	2,874.62	7.00	7.49	94.37	833.33	2,135.84	2,313.79	2,299.63	14.16	163.423	
2,700.00	2,688.39	2,991.59	2,970.17	7.20	7.70	94.93	820.82	2,127.34	2,302.59	2,288.04	14.55	158.260	
2,800.00	2,787.54	3,088.33	3,065.72	7.39	7.92	95.48	808.31	2,118.84	2,291.61	2,276.67	14.94	153.388	
2,900.00	2,886.68	3,185.07	3,161.26	7.59	8.13	96.05	795.80	2,110.33	2,280.87	2,265.54	15.33	148.768	
3,000.00	2,985.83	3,281.80	3,256.81	7.78	8.35	96.61	783.29	2,101.83	2,270.35	2,254.63	15.72	144.388	
3,100.00	3,084.97	3,378.54	3,352.36	7.98	8.56	97.19	770.78	2,093.33	2,260.07	2,243.96	16.12	140.230	
3,200.00	3,184.12	3,475.28	3,447.91	8.17	8.78	97.76	758.27	2,084.82	2,250.03	2,233.52	16.51	136.278	
3,300.00	3,283.26	3,572.02	3,543.45	8.36	9.00	98.35	745.76	2,076.32	2,240.23	2,223.33	16.90	132.520	
3,400.00	3,382.40	3,668.75	3,639.00	8.56	9.21	98.93	733.25	2,067.81	2,230.68	2,213.38	17.30	128.942	
3,500.00	3,481.55	3,765.49	3,734.55	8.75	9.43	99.52	720.74	2,059.31	2,221.37	2,203.68	17.70	125.533	
3,600.00	3,580.69	3,862.23	3,830.10	8.95	9.65	100.12	708.23	2,050.81	2,212.32	2,194.22	18.09	122.282	
3,700.00	3,679.84	3,958.97	3,925.65	9.14	9.87	100.72	695.72	2,042.30	2,203.51	2,185.02	18.49	119.179	
3,800.00	3,778.98	4,055.71	4,021.19	9.33	10.09	101.33	683.20	2,033.80	2,194.97	2,176.08	18.89	116.216	
3,900.00	3,878.13	4,152.44	4,116.74	9.53	10.31	101.94	670.69	2,025.30	2,186.68	2,167.40	19.29	113.385	
4,000.00	3,977.27	4,249.18	4,212.29	9.72	10.52	102.55	658.18	2,016.79	2,178.66	2,158.98	19.68	110.677	
4,100.00	4,076.42	4,345.92	4,307.84	9.91	10.74	103.17	645.67	2,008.29	2,170.91	2,150.82	20.08	108.087	
4,200.00	4,175.56	4,442.66	4,403.38	10.11	10.96	103.79	633.16	1,999.78	2,163.42	2,142.93	20.49	105.606	
4,300.00	4,274.70	4,539.39	4,498.93	10.30	11.18	104.42	620.65	1,991.28	2,156.21	2,135.32	20.89	103.231	
4,400.00	4,373.85	4,636.13	4,594.48	10.49	11.40	105.05	608.14	1,982.78	2,149.26	2,127.98	21.29	100.954	
4,500.00	4,472.99	4,732.87	4,690.03	10.69	11.62	105.68	595.63	1,974.27	2,142.60	2,120.91	21.69	98.771	
4,600.00	4,572.14	4,829.61	4,785.57	10.88	11.84	106.32	583.12	1,965.77	2,136.22	2,114.12	22.10	96.677	
4,700.00	4,671.28	4,926.34	4,881.12	11.08	12.06	106.96	570.61	1,957.27	2,130.12	2,107.61	22.50	94.659	
4,702.13	4,673.39	4,928.41	4,883.16	11.08	12.07	106.98	570.34	1,957.08	2,129.99	2,107.48	22.51	94.617	
4,800.00	4,770.58	5,023.35	4,976.93	11.28	12.28	107.49	558.07	1,948.74	2,123.92	2,101.02	22.90	92.747	
4,900.00	4,870.15	5,120.86	5,073.24	11.48	12.50	107.95	545.45	1,940.17	2,117.18	2,093.89	23.28	90.931	
5,000.00	4,969.93	5,218.81	5,169.99	11.67	12.73	108.35	532.79	1,931.56	2,109.81	2,086.16	23.65	89.211	
5,100.00	5,069.85	5,317.14	5,267.11	11.85	12.95	108.67	520.07	1,922.91	2,101.78	2,077.78	24.00	87.591	
5,200.00	5,169.84	5,400.00	5,348.96	11.99	13.11	108.87	509.43	1,915.68	2,093.13	2,068.86	24.27	86.253	
5,202.16	5,172.00	5,400.00	5,348.96	12.00	13.11	88.63	509.43	1,915.68	2,092.95	2,068.68	24.27	86.236	
5,300.00	5,269.84	5,480.56	5,428.74	12.08	13.28	88.88	500.17	1,909.38	2,085.04	2,060.51	24.53	84.992	
5,400.00	5,369.84	5,556.02	5,503.67	12.17	13.43	89.09	492.75	1,904.34	2,078.16	2,053.39	24.77	83.883	
5,500.00	5,469.84	5,631.81	5,579.08	12.26	13.56	89.26	486.54	1,900.12	2,072.45	2,047.45	25.00	82.883	
5,600.00	5,569.84	5,700.00	5,647.05	12.34	13.67	89.38	482.01	1,897.04	2,067.92	2,042.71	25.21	82.033	
5,700.00	5,669.84	5,784.15	5,731.04	12.43	13.78	89.50	477.80	1,894.18	2,064.51	2,039.09	25.42	81.207	
5,800.00	5,769.84	5,860.57	5,807.40	12.52	13.87	89.56	475.30	1,892.48	2,062.26	2,036.65	25.61	80.532	
5,900.00	5,869.84	5,937.08	5,883.90	12.61	13.93	89.60	474.07	1,891.65	2,061.16	2,035.40	25.76	80.016	
5,963.09	5,932.92	5,989.11	5,935.92	12.66	13.95	89.60	473.93	1,891.55	2,061.03	2,035.20	25.83	79.797	
6,000.00	5,969.84	6,026.02	5,972.84	12.69	13.95	89.60	473.93	1,891.55	2,061.03	2,035.16	25.87	79.674	
6,100.00	6,069.84	6,126.02	6,072.84	12.78	13.99	89.60	473.93	1,891.55	2,061.03	2,035.04	25.99	79.305	
6,200.00	6,169.84	6,226.02	6,172.84	12.87	14.02	89.60	473.93	1,891.55	2,061.03	2,034.92	26.11	78.939	
6,300.00	6,269.84	6,326.02	6,272.84	12.96	14.05	89.60	473.93	1,891.55	2,061.03	2,034.80	26.23	78.575	
6,400.00	6,369.84	6,426.02	6,372.84	13.04	14.09	89.60	473.93	1,891.55	2,061.03	2,034.68	26.35	78.214	
6,500.00	6,469.84	6,526.02	6,472.84	13.13	14.12	89.60	473.93	1,891.55	2,061.03	2,034.56	26.47	77.855	

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 135H
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 135H	**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
6,600.00	6,569.84	6,626.02	6,572.84	13.22	14.16	89.60	473.93	1,891.55	2,061.03	2,034.44	26.59	77.498	
6,700.00	6,669.84	6,726.02	6,672.84	13.30	14.19	89.60	473.93	1,891.55	2,061.03	2,034.31	26.72	77.144	
6,800.00	6,769.84	6,826.02	6,772.84	13.39	14.23	89.60	473.93	1,891.55	2,061.03	2,034.19	26.84	76.792	
6,900.00	6,869.84	6,926.02	6,872.84	13.48	14.27	89.60	473.93	1,891.55	2,061.03	2,034.07	26.96	76.443	
7,000.00	6,969.84	7,026.02	6,972.84	13.56	14.30	89.60	473.93	1,891.55	2,061.03	2,033.94	27.08	76.096	
7,100.00	7,069.84	7,126.02	7,072.84	13.65	14.34	89.60	473.93	1,891.55	2,061.03	2,033.82	27.21	75.751	
7,200.00	7,169.84	7,226.02	7,172.84	13.74	14.38	89.60	473.93	1,891.55	2,061.03	2,033.70	27.33	75.408	
7,300.00	7,269.84	7,326.02	7,272.84	13.82	14.41	89.60	473.93	1,891.55	2,061.03	2,033.57	27.46	75.068	
7,400.00	7,369.84	7,426.02	7,372.84	13.91	14.45	89.60	473.93	1,891.55	2,061.03	2,033.45	27.58	74.729	
7,500.00	7,469.84	7,526.02	7,472.84	14.00	14.49	89.60	473.93	1,891.55	2,061.03	2,033.33	27.70	74.393	
7,600.00	7,569.84	7,626.02	7,572.84	14.08	14.53	89.60	473.93	1,891.55	2,061.03	2,033.20	27.83	74.060	
7,700.00	7,669.84	7,726.02	7,672.84	14.17	14.57	89.60	473.93	1,891.55	2,061.03	2,033.08	27.95	73.728	
7,800.00	7,769.84	7,826.02	7,772.84	14.26	14.61	89.60	473.93	1,891.55	2,061.03	2,032.95	28.08	73.399	
7,900.00	7,869.84	7,926.02	7,872.84	14.34	14.65	89.60	473.93	1,891.55	2,061.03	2,032.82	28.21	73.072	
8,000.00	7,969.84	8,026.02	7,972.84	14.43	14.69	89.60	473.93	1,891.55	2,061.03	2,032.70	28.33	72.747	
8,100.00	8,069.84	8,126.02	8,072.84	14.51	14.73	89.60	473.93	1,891.55	2,061.03	2,032.57	28.46	72.424	
8,200.00	8,169.84	8,226.02	8,172.84	14.60	14.77	89.60	473.93	1,891.55	2,061.03	2,032.45	28.58	72.103	
8,300.00	8,269.84	8,326.02	8,272.84	14.69	14.81	89.60	473.93	1,891.55	2,061.03	2,032.32	28.71	71.785	
8,400.00	8,369.84	8,426.02	8,372.84	14.77	14.85	89.60	473.93	1,891.55	2,061.03	2,032.19	28.84	71.468	
8,500.00	8,469.84	8,526.02	8,472.84	14.86	14.90	89.60	473.93	1,891.55	2,061.03	2,032.06	28.97	71.154	
8,600.00	8,569.84	8,626.02	8,572.84	14.94	14.94	89.60	473.93	1,891.55	2,061.03	2,031.94	29.09	70.842	
8,700.00	8,669.84	8,726.02	8,672.84	15.03	14.98	89.60	473.93	1,891.55	2,061.03	2,031.81	29.22	70.531	
8,800.00	8,769.84	8,826.02	8,772.84	15.12	15.03	89.60	473.93	1,891.55	2,061.03	2,031.68	29.35	70.223	
8,900.00	8,869.84	8,926.02	8,872.84	15.20	15.07	89.60	473.93	1,891.55	2,061.03	2,031.55	29.48	69.917	
9,000.00	8,969.84	9,026.02	8,972.84	15.29	15.11	89.60	473.93	1,891.55	2,061.03	2,031.42	29.61	69.613	
9,100.00	9,069.84	9,126.02	9,072.84	15.37	15.16	89.60	473.93	1,891.55	2,061.03	2,031.29	29.74	69.311	
9,200.00	9,169.84	9,226.02	9,172.84	15.46	15.20	89.60	473.93	1,891.55	2,061.03	2,031.16	29.87	69.010	
9,300.00	9,269.84	9,326.02	9,272.84	15.54	15.25	89.60	473.93	1,891.55	2,061.03	2,031.03	30.00	68.712	
9,400.00	9,369.84	9,426.02	9,372.84	15.63	15.29	89.60	473.93	1,891.55	2,061.03	2,030.90	30.12	68.416	
9,500.00	9,469.84	9,526.02	9,472.84	15.71	15.34	89.60	473.93	1,891.55	2,061.03	2,030.77	30.26	68.122	
9,600.00	9,569.84	9,626.02	9,572.84	15.80	15.39	89.60	473.93	1,891.55	2,061.03	2,030.64	30.39	67.829	
9,700.00	9,669.84	9,726.02	9,672.84	15.89	15.43	89.60	473.93	1,891.55	2,061.03	2,030.51	30.52	67.539	
9,800.00	9,769.84	9,826.02	9,772.84	15.97	15.48	89.60	473.93	1,891.55	2,061.03	2,030.38	30.65	67.251	
9,900.00	9,869.84	9,926.02	9,872.84	16.06	15.53	89.60	473.93	1,891.55	2,061.03	2,030.25	30.78	66.964	
10,000.00	9,969.84	10,026.02	9,972.84	16.14	15.57	89.60	473.93	1,891.55	2,061.03	2,030.12	30.91	66.679	
10,100.00	10,069.84	10,126.02	10,072.84	16.23	15.62	89.60	473.93	1,891.55	2,061.03	2,029.99	31.04	66.396	
10,200.00	10,169.84	10,226.02	10,172.84	16.31	15.67	89.60	473.93	1,891.55	2,061.03	2,029.86	31.17	66.115	
10,300.00	10,269.84	10,326.02	10,272.84	16.40	15.72	89.60	473.93	1,891.55	2,061.03	2,029.72	31.31	65.836	
10,400.00	10,369.84	10,426.02	10,372.84	16.48	15.77	89.60	473.93	1,891.55	2,061.03	2,029.59	31.44	65.559	
10,500.00	10,469.84	10,526.02	10,472.84	16.57	15.81	89.60	473.93	1,891.55	2,061.03	2,029.46	31.57	65.284	
10,600.00	10,569.84	10,626.02	10,572.84	16.65	15.86	89.60	473.93	1,891.55	2,061.03	2,029.33	31.70	65.010	
10,700.00	10,669.84	10,726.02	10,672.84	16.74	15.91	89.60	473.93	1,891.55	2,061.03	2,029.19	31.84	64.738	
10,800.00	10,769.84	10,826.02	10,772.84	16.82	15.96	89.60	473.93	1,891.55	2,061.03	2,029.06	31.97	64.468	
10,900.00	10,869.84	10,926.02	10,872.84	16.91	16.01	89.60	473.93	1,891.55	2,061.03	2,028.93	32.10	64.200	
11,000.00	10,969.84	11,026.02	10,972.84	16.99	16.06	89.60	473.93	1,891.55	2,061.03	2,028.79	32.24	63.933	
11,100.00	11,069.84	11,126.02	11,072.84	17.08	16.12	89.60	473.93	1,891.55	2,061.03	2,028.66	32.37	63.668	
11,200.00	11,169.84	11,226.02	11,172.84	17.16	16.17	89.60	473.93	1,891.55	2,061.03	2,028.52	32.51	63.405	
11,300.00	11,269.84	11,326.02	11,272.84	17.25	16.22	89.60	473.93	1,891.55	2,061.03	2,028.39	32.64	63.144	
11,400.00	11,369.84	11,426.02	11,372.84	17.33	16.27	89.60	473.93	1,891.55	2,061.03	2,028.25	32.77	62.884	
11,500.00	11,469.84	11,526.02	11,472.84	17.42	16.32	89.60	473.93	1,891.55	2,061.03	2,028.13	32.90	62.639	
11,581.16	11,551.00	11,615.49	11,562.18	17.48	16.40	89.70	470.44	1,891.44	2,060.92	2,027.91	33.01	62.439	
11,600.00	11,569.83	11,636.95	11,583.46	17.48	16.44	-89.75	467.67	1,891.36	2,060.83	2,027.80	33.03	62.397	

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 135H
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 135H	**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
11,650.00	11,619.67	11,693.39	11,638.78	17.49	16.57	-89.59	456.63	1,891.02	2,060.48	2,027.40	33.08	62.292	
11,700.00	11,668.99	11,749.06	11,692.02	17.51	16.71	-89.44	440.45	1,890.53	2,059.96	2,026.82	33.14	62.156	
11,750.00	11,717.40	11,803.93	11,742.72	17.51	16.87	-89.30	419.54	1,889.89	2,059.28	2,026.06	33.22	61.981	
11,800.00	11,764.55	11,857.97	11,790.48	17.52	17.05	-89.16	394.29	1,889.12	2,058.46	2,025.14	33.32	61.771	
11,850.00	11,810.08	11,911.20	11,834.98	17.52	17.26	-89.03	365.13	1,888.23	2,057.50	2,024.05	33.44	61.522	
11,900.00	11,853.63	11,963.61	11,875.97	17.52	17.49	-88.90	332.52	1,887.23	2,056.41	2,022.82	33.58	61.231	
11,950.00	11,894.88	12,015.21	11,913.25	17.53	17.76	-88.79	296.88	1,886.14	2,055.20	2,021.45	33.75	60.894	
12,000.00	11,933.52	12,066.03	11,946.68	17.53	18.07	-88.69	258.65	1,884.97	2,053.89	2,019.95	33.94	60.507	
12,050.00	11,969.24	12,116.10	11,976.18	17.53	18.41	-88.60	218.23	1,883.74	2,052.49	2,018.32	34.17	60.069	
12,100.00	12,001.78	12,165.44	12,001.69	17.53	18.78	-88.52	176.03	1,882.45	2,051.00	2,016.58	34.43	59.577	
12,150.00	12,030.89	12,214.10	12,023.20	17.53	19.17	-88.45	132.42	1,881.12	2,049.44	2,014.72	34.72	59.030	
12,200.00	12,056.34	12,262.11	12,040.72	17.53	19.59	-88.40	87.76	1,879.75	2,047.82	2,012.77	35.05	58.430	
12,250.00	12,077.95	12,309.51	12,054.29	17.54	20.02	-88.36	42.38	1,878.36	2,046.15	2,010.73	35.41	57.780	
12,300.00	12,095.55	12,356.34	12,063.96	17.55	20.47	-88.33	-3.41	1,876.97	2,044.43	2,008.61	35.82	57.083	
12,350.00	12,109.01	12,402.64	12,069.82	17.56	20.92	-88.31	-49.30	1,875.56	2,042.68	2,006.43	36.25	56.344	
12,400.00	12,118.22	12,448.18	12,071.94	17.58	21.38	-88.31	-94.76	1,874.17	2,040.92	2,004.19	36.72	55.575	
12,450.00	12,123.11	12,477.42	12,072.15	17.60	21.69	-88.39	-123.99	1,873.43	2,039.34	2,002.30	37.04	55.054	
12,476.17	12,123.94	12,500.00	12,072.31	17.61	21.92	-88.45	-146.56	1,873.06	2,038.69	2,001.39	37.30	54.651	
12,500.00	12,124.14	12,500.00	12,072.31	17.62	21.92	-88.45	-146.56	1,873.06	2,038.18	2,000.88	37.31	54.632	
12,593.15	12,124.96	12,561.66	12,072.74	17.69	22.57	-88.45	-208.22	1,872.96	2,037.31	1,999.17	38.14	53.422	CC
12,600.00	12,125.02	12,567.48	12,072.78	17.69	22.63	-88.45	-214.04	1,873.01	2,037.31	1,999.10	38.21	53.315	
12,700.00	12,125.89	12,667.48	12,073.48	17.79	23.70	-88.44	-314.03	1,873.92	2,037.36	1,997.71	39.65	51.386	
12,800.00	12,126.76	12,767.48	12,074.17	17.95	24.81	-88.44	-414.03	1,874.82	2,037.41	1,996.19	41.22	49.429	
12,900.00	12,127.63	12,867.48	12,074.87	18.21	25.94	-88.43	-514.02	1,875.73	2,037.46	1,994.55	42.91	47.481	
13,000.00	12,128.50	12,967.48	12,075.57	18.61	27.09	-88.43	-614.01	1,876.64	2,037.51	1,992.80	44.71	45.569	
13,100.00	12,129.37	13,067.48	12,076.27	19.18	28.26	-88.42	-714.01	1,877.54	2,037.57	1,990.95	46.61	43.714	
13,200.00	12,130.24	13,167.48	12,076.97	19.87	29.45	-88.42	-814.00	1,878.45	2,037.62	1,989.02	48.60	41.929	
13,300.00	12,131.11	13,267.48	12,077.66	20.66	30.65	-88.41	-913.99	1,879.36	2,037.67	1,987.01	50.66	40.223	
13,400.00	12,131.99	13,367.48	12,078.36	21.53	31.86	-88.41	-1,013.99	1,880.26	2,037.72	1,984.93	52.79	38.602	
13,500.00	12,132.86	13,467.48	12,079.06	22.45	33.09	-88.40	-1,113.98	1,881.17	2,037.77	1,982.79	54.98	37.067	
13,600.00	12,133.73	13,567.48	12,079.76	23.43	34.33	-88.40	-1,213.97	1,882.08	2,037.82	1,980.60	57.21	35.617	
13,700.00	12,134.60	13,667.48	12,080.46	24.44	35.57	-88.39	-1,313.97	1,882.98	2,037.87	1,978.37	59.50	34.250	
13,800.00	12,135.47	13,767.48	12,081.16	25.50	36.83	-88.39	-1,413.96	1,883.89	2,037.92	1,976.09	61.83	32.962	
13,900.00	12,136.34	13,867.48	12,081.85	26.58	38.09	-88.38	-1,513.95	1,884.80	2,037.97	1,973.78	64.19	31.751	
14,000.00	12,137.21	13,967.48	12,082.55	27.69	39.36	-88.38	-1,613.95	1,885.70	2,038.02	1,971.44	66.58	30.610	
14,100.00	12,138.08	14,067.48	12,083.25	28.82	40.63	-88.37	-1,713.94	1,886.61	2,038.07	1,969.07	69.00	29.537	
14,200.00	12,138.96	14,167.48	12,083.95	29.98	41.91	-88.37	-1,813.93	1,887.52	2,038.12	1,966.68	71.45	28.527	
14,300.00	12,139.83	14,267.48	12,084.65	31.15	43.20	-88.36	-1,913.93	1,888.43	2,038.17	1,964.26	73.91	27.575	
14,400.00	12,140.70	14,367.48	12,085.35	32.33	44.49	-88.36	-2,013.92	1,889.33	2,038.22	1,961.82	76.40	26.678	
14,500.00	12,141.57	14,467.48	12,086.04	33.54	45.79	-88.35	-2,113.91	1,890.24	2,038.27	1,959.37	78.91	25.832	
14,600.00	12,142.44	14,567.48	12,086.74	34.75	47.09	-88.35	-2,213.91	1,891.15	2,038.33	1,956.90	81.43	25.032	
14,700.00	12,143.31	14,667.48	12,087.44	35.98	48.39	-88.35	-2,313.90	1,892.05	2,038.38	1,954.41	83.96	24.277	
14,800.00	12,144.18	14,767.48	12,088.14	37.21	49.70	-88.34	-2,413.89	1,892.96	2,038.43	1,951.91	86.51	23.562	
14,900.00	12,145.05	14,867.48	12,088.84	38.46	51.01	-88.34	-2,513.89	1,893.87	2,038.48	1,949.40	89.07	22.885	
15,000.00	12,145.93	14,967.48	12,089.54	39.71	52.32	-88.33	-2,613.88	1,894.77	2,038.53	1,946.88	91.65	22.243	
15,100.00	12,146.80	15,067.48	12,090.23	40.97	53.63	-88.33	-2,713.87	1,895.68	2,038.58	1,944.35	94.23	21.634	
15,200.00	12,147.67	15,167.48	12,090.93	42.24	54.95	-88.32	-2,813.87	1,896.59	2,038.63	1,941.81	96.82	21.056	
15,300.00	12,148.54	15,267.48	12,091.63	43.51	56.27	-88.32	-2,913.86	1,897.49	2,038.68	1,939.26	99.42	20.506	
15,400.00	12,149.41	15,367.48	12,092.33	44.79	57.60	-88.31	-3,013.85	1,898.40	2,038.73	1,936.71	102.03	19.982	
15,500.00	12,150.28	15,467.48	12,093.03	46.08	58.92	-88.31	-3,113.85	1,899.31	2,038.78	1,934.14	104.64	19.484	
15,600.00	12,151.15	15,567.48	12,093.72	47.37	60.25	-88.30	-3,213.84	1,900.21	2,038.83	1,931.57	107.26	19.008	
15,700.00	12,152.02	15,667.48	12,094.42	48.66	61.58	-88.30	-3,313.83	1,901.12	2,038.89	1,929.00	109.89	18.554	

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 135H
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 135H	**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
15,800.00	12,152.90	15,767.48	12,095.12	49.96	62.91	-88.29	-3,413.83	1,902.03	2,038.94	1,926.42	112.52	18.121	
15,900.00	12,153.77	15,867.48	12,095.82	51.26	64.24	-88.29	-3,513.82	1,902.93	2,038.99	1,923.83	115.16	17.706	
16,000.00	12,154.64	15,967.48	12,096.52	52.57	65.57	-88.28	-3,613.81	1,903.84	2,039.04	1,921.24	117.80	17.310	
16,100.00	12,155.51	16,067.47	12,097.22	53.88	66.91	-88.28	-3,713.81	1,904.75	2,039.09	1,918.64	120.45	16.930	
16,200.00	12,156.38	16,167.47	12,097.91	55.19	68.24	-88.27	-3,813.80	1,905.65	2,039.14	1,916.04	123.10	16.565	
16,300.00	12,157.25	16,267.47	12,098.61	56.50	69.58	-88.27	-3,913.79	1,906.56	2,039.19	1,913.44	125.75	16.216	
16,400.00	12,158.12	16,367.47	12,099.31	57.82	70.92	-88.26	-4,013.79	1,907.47	2,039.24	1,910.83	128.41	15.881	
16,500.00	12,158.99	16,467.47	12,100.01	59.14	72.26	-88.26	-4,113.78	1,908.37	2,039.29	1,908.22	131.07	15.559	
16,600.00	12,159.87	16,567.47	12,100.71	60.46	73.60	-88.25	-4,213.77	1,909.28	2,039.34	1,905.61	133.73	15.249	
16,700.00	12,160.74	16,667.47	12,101.41	61.79	74.94	-88.25	-4,313.77	1,910.19	2,039.40	1,902.99	136.40	14.951	
16,800.00	12,161.61	16,767.47	12,102.10	63.11	76.29	-88.24	-4,413.76	1,911.10	2,039.45	1,900.37	139.07	14.665	
16,900.00	12,162.48	16,867.47	12,102.80	64.44	77.63	-88.24	-4,513.75	1,912.00	2,039.50	1,897.75	141.75	14.388	
17,000.00	12,163.35	16,967.47	12,103.50	65.77	78.97	-88.23	-4,613.75	1,912.91	2,039.55	1,895.13	144.42	14.122	
17,100.00	12,164.22	17,067.47	12,104.20	67.10	80.32	-88.23	-4,713.74	1,913.82	2,039.60	1,892.50	147.10	13.865	
17,200.00	12,165.09	17,167.47	12,104.90	68.43	81.67	-88.22	-4,813.73	1,914.72	2,039.65	1,889.87	149.78	13.618	
17,300.00	12,165.96	17,267.47	12,105.59	69.77	83.01	-88.22	-4,913.73	1,915.63	2,039.70	1,887.24	152.46	13.378	
17,400.00	12,166.84	17,367.47	12,106.29	71.10	84.36	-88.22	-5,013.72	1,916.54	2,039.75	1,884.61	155.15	13.147	
17,500.00	12,167.71	17,467.47	12,106.99	72.44	85.71	-88.21	-5,113.71	1,917.44	2,039.81	1,881.97	157.83	12.924	
17,600.00	12,168.58	17,567.47	12,107.69	73.78	87.06	-88.21	-5,213.71	1,918.35	2,039.86	1,879.33	160.52	12.708	
17,700.00	12,169.45	17,667.47	12,108.39	75.12	88.41	-88.20	-5,313.70	1,919.26	2,039.91	1,876.70	163.21	12.499	
17,800.00	12,170.32	17,767.47	12,109.09	76.46	89.76	-88.20	-5,413.69	1,920.16	2,039.96	1,874.06	165.90	12.296	
17,900.00	12,171.19	17,867.47	12,109.78	77.80	91.11	-88.19	-5,513.69	1,921.07	2,040.01	1,871.41	168.60	12.100	
18,000.00	12,172.06	17,967.47	12,110.48	79.14	92.46	-88.19	-5,613.68	1,921.98	2,040.06	1,868.77	171.29	11.910	
18,100.00	12,172.93	18,067.47	12,111.18	80.48	93.81	-88.18	-5,713.67	1,922.88	2,040.11	1,866.13	173.99	11.726	
18,200.00	12,173.81	18,167.47	12,111.88	81.83	95.17	-88.18	-5,813.67	1,923.79	2,040.16	1,863.48	176.68	11.547	
18,300.00	12,174.68	18,267.47	12,112.58	83.17	96.52	-88.17	-5,913.66	1,924.70	2,040.22	1,860.84	179.38	11.374	
18,400.00	12,175.55	18,367.47	12,113.28	84.52	97.87	-88.17	-6,013.65	1,925.60	2,040.27	1,858.19	182.08	11.205	
18,500.00	12,176.42	18,467.47	12,113.97	85.86	99.23	-88.16	-6,113.65	1,926.51	2,040.32	1,855.54	184.78	11.042	
18,600.00	12,177.29	18,567.47	12,114.67	87.21	100.58	-88.16	-6,213.64	1,927.42	2,040.37	1,852.89	187.48	10.883	
18,700.00	12,178.16	18,667.47	12,115.37	88.56	101.93	-88.15	-6,313.63	1,928.32	2,040.42	1,850.24	190.18	10.729	
18,800.00	12,179.03	18,767.47	12,116.07	89.91	103.29	-88.15	-6,413.63	1,929.23	2,040.47	1,847.58	192.89	10.579	
18,900.00	12,179.90	18,867.47	12,116.77	91.26	104.64	-88.14	-6,513.62	1,930.14	2,040.52	1,844.93	195.59	10.433	
19,000.00	12,180.78	18,967.47	12,117.46	92.61	106.00	-88.14	-6,613.61	1,931.05	2,040.58	1,842.28	198.30	10.290	
19,100.00	12,181.65	19,067.47	12,118.16	93.96	107.36	-88.13	-6,713.61	1,931.95	2,040.63	1,839.62	201.00	10.152	
19,200.00	12,182.52	19,167.47	12,118.86	95.31	108.71	-88.13	-6,813.60	1,932.86	2,040.68	1,836.97	203.71	10.017	
19,300.00	12,183.39	19,267.47	12,119.56	96.66	110.07	-88.12	-6,913.59	1,933.77	2,040.73	1,834.31	206.42	9.886	
19,400.00	12,184.26	19,367.47	12,120.26	98.01	111.43	-88.12	-7,013.59	1,934.67	2,040.78	1,831.65	209.13	9.758	
19,500.00	12,185.13	19,467.47	12,120.96	99.36	112.78	-88.11	-7,113.58	1,935.58	2,040.83	1,828.99	211.84	9.634	
19,600.00	12,186.00	19,567.47	12,121.65	100.72	114.14	-88.11	-7,213.57	1,936.49	2,040.88	1,826.34	214.55	9.512	
19,700.00	12,186.87	19,667.47	12,122.35	102.07	115.50	-88.10	-7,313.57	1,937.39	2,040.94	1,823.68	217.26	9.394	
19,800.00	12,187.75	19,767.47	12,123.05	103.42	116.86	-88.10	-7,413.56	1,938.30	2,040.99	1,821.02	219.97	9.278	
19,900.00	12,188.62	19,867.47	12,123.75	104.78	118.22	-88.09	-7,513.55	1,939.21	2,041.04	1,818.36	222.68	9.166	
20,000.00	12,189.49	19,967.47	12,124.45	106.13	119.58	-88.09	-7,613.55	1,940.11	2,041.09	1,815.69	225.40	9.056	
20,100.00	12,190.36	20,067.47	12,125.15	107.49	120.93	-88.09	-7,713.54	1,941.02	2,041.14	1,813.03	228.11	8.948	
20,200.00	12,191.23	20,167.47	12,125.84	108.84	122.29	-88.08	-7,813.53	1,941.93	2,041.19	1,810.37	230.82	8.843	
20,300.00	12,192.10	20,267.47	12,126.54	110.20	123.65	-88.08	-7,913.52	1,942.83	2,041.24	1,807.71	233.54	8.741	
20,400.00	12,192.97	20,367.47	12,127.24	111.55	125.01	-88.07	-8,013.52	1,943.74	2,041.30	1,805.04	236.25	8.640	
20,500.00	12,193.85	20,467.47	12,127.94	112.91	126.37	-88.07	-8,113.51	1,944.65	2,041.35	1,802.38	238.97	8.542	
20,600.00	12,194.72	20,567.47	12,128.64	114.27	127.73	-88.06	-8,213.50	1,945.55	2,041.40	1,799.72	241.68	8.447	
20,700.00	12,195.59	20,667.47	12,129.34	115.62	129.09	-88.06	-8,313.50	1,946.46	2,041.45	1,797.05	244.40	8.353	
20,800.00	12,196.46	20,767.47	12,130.03	116.98	130.45	-88.05	-8,413.49	1,947.37	2,041.50	1,794.39	247.12	8.261	
20,900.00	12,197.33	20,867.47	12,130.73	118.34	131.81	-88.05	-8,513.48	1,948.27	2,041.56	1,791.72	249.84	8.172	

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 135H
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 135H	**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
21,000.00	12,198.20	20,967.47	12,131.43	119.70	133.17	-88.04	-8,613.48	1,949.18	2,041.61	1,789.05	252.55	8.084	
21,100.00	12,199.07	21,067.47	12,132.13	121.05	134.54	-88.04	-8,713.47	1,950.09	2,041.66	1,786.39	255.27	7.998	
21,200.00	12,199.94	21,167.47	12,132.83	122.41	135.90	-88.03	-8,813.46	1,950.99	2,041.71	1,783.72	257.99	7.914	
21,300.00	12,200.82	21,267.47	12,133.52	123.77	137.26	-88.03	-8,913.46	1,951.90	2,041.76	1,781.05	260.71	7.832	
21,400.00	12,201.69	21,367.47	12,134.22	125.13	138.62	-88.02	-9,013.45	1,952.81	2,041.81	1,778.39	263.43	7.751	
21,500.00	12,202.56	21,467.47	12,134.92	126.49	139.98	-88.02	-9,113.44	1,953.72	2,041.87	1,775.72	266.15	7.672	
21,600.00	12,203.43	21,567.47	12,135.62	127.85	141.34	-88.01	-9,213.44	1,954.62	2,041.92	1,773.05	268.87	7.594	
21,700.00	12,204.30	21,667.47	12,136.32	129.21	142.71	-88.01	-9,313.43	1,955.53	2,041.97	1,770.38	271.59	7.519	
21,800.00	12,205.17	21,767.47	12,137.02	130.57	144.07	-88.00	-9,413.42	1,956.44	2,042.02	1,767.71	274.31	7.444	
21,900.00	12,206.04	21,867.47	12,137.71	131.93	145.43	-88.00	-9,513.42	1,957.34	2,042.07	1,765.04	277.03	7.371	
22,000.00	12,206.91	21,967.47	12,138.41	133.29	146.79	-87.99	-9,613.41	1,958.25	2,042.12	1,762.37	279.75	7.300	
22,100.00	12,207.79	22,067.47	12,139.11	134.65	148.15	-87.99	-9,713.40	1,959.16	2,042.18	1,759.70	282.47	7.230	
22,200.00	12,208.66	22,167.47	12,139.81	136.01	149.52	-87.98	-9,813.40	1,960.06	2,042.23	1,757.03	285.20	7.161	
22,300.00	12,209.53	22,267.47	12,140.51	137.37	150.88	-87.98	-9,913.39	1,960.97	2,042.28	1,754.36	287.92	7.093	
22,400.00	12,210.40	22,367.47	12,141.21	138.73	152.24	-87.97	-10,013.38	1,961.88	2,042.33	1,751.69	290.64	7.027	
22,411.61	12,210.50	22,379.08	12,141.29	138.89	152.40	-87.97	-10,025.00	1,961.98	2,042.34	1,751.38	290.96	7.019	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 135H
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 135H	**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 137H - 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	185.00	0.00	185.00				
100.00	100.00	100.00	100.00	0.98	0.98	0.00	185.00	0.00	185.00	183.04	1.96	94.283	
200.00	200.00	200.00	200.00	1.56	1.56	0.00	185.00	0.00	185.00	181.88	3.12	59.252	
300.00	300.00	300.00	300.00	1.98	1.98	0.00	185.00	0.00	185.00	181.04	3.96	46.690	CC
400.00	400.00	398.83	398.82	2.33	2.41	0.38	185.31	1.24	185.31	180.66	4.66	39.796	ES
500.00	500.00	497.53	497.44	2.63	2.77	1.53	186.22	4.96	186.31	181.04	5.26	35.390	
600.00	600.00	595.97	595.67	2.91	3.10	3.39	187.74	11.13	188.12	182.30	5.82	32.333	
700.00	700.00	695.04	694.38	3.16	3.25	5.82	189.77	19.33	190.83	184.62	6.21	30.713	
800.00	800.00	794.66	793.62	3.40	3.49	8.23	191.85	27.76	193.95	187.25	6.70	28.935	
900.00	899.99	894.26	892.84	3.68	3.73	30.98	193.92	36.19	196.28	189.07	7.21	27.210	
1,000.00	999.91	993.76	991.96	3.94	3.96	33.85	196.00	44.61	196.81	189.11	7.70	25.567	
1,053.81	1,053.65	1,047.26	1,045.27	4.05	4.08	35.51	197.12	49.14	196.72	188.79	7.93	24.807	
1,100.00	1,099.77	1,093.19	1,091.02	4.15	4.18	36.93	198.07	53.03	196.78	188.65	8.13	24.206	
1,200.00	1,199.63	1,192.62	1,190.07	4.35	4.41	40.01	200.15	61.44	197.34	188.79	8.55	23.078	
1,250.43	1,250.00	1,242.77	1,240.03	4.40	4.52	41.55	201.19	65.68	197.83	189.12	8.71	22.714	
1,300.00	1,299.48	1,292.03	1,289.10	4.45	4.62	43.11	202.22	69.85	198.22	189.36	8.87	22.354	
1,400.00	1,399.17	1,391.27	1,387.96	4.69	4.84	46.65	204.29	78.25	198.12	188.82	9.30	21.307	
1,500.00	1,498.62	1,490.24	1,486.56	4.93	5.05	50.76	206.36	86.63	197.12	187.40	9.72	20.283	
1,550.47	1,548.70	1,540.06	1,536.19	4.99	5.15	53.06	207.40	90.84	196.40	186.53	9.88	19.888	
1,600.00	1,597.81	1,588.92	1,584.87	5.05	5.25	55.40	208.42	94.98	195.83	185.81	10.03	19.526	
1,658.78	1,656.08	1,646.90	1,642.62	5.17	5.37	58.19	209.63	99.88	195.60	185.33	10.26	19.059	
1,700.00	1,696.95	1,687.57	1,683.13	5.25	5.46	60.15	210.47	103.32	195.71	185.29	10.43	18.770	
1,800.00	1,796.09	1,786.21	1,781.40	5.44	5.66	64.87	212.53	111.67	196.97	186.14	10.82	18.199	
1,900.00	1,895.24	1,884.85	1,879.66	5.64	5.86	69.50	214.59	120.02	199.57	188.36	11.22	17.793	
2,000.00	1,994.38	1,983.49	1,977.93	5.83	6.06	73.98	216.65	128.36	203.47	191.87	11.61	17.529	
2,100.00	2,093.53	2,082.13	2,076.19	6.03	6.26	78.28	218.71	136.71	208.60	196.61	12.00	17.389	
2,200.00	2,192.67	2,180.77	2,174.46	6.22	6.46	82.35	220.76	145.06	214.87	202.48	12.39	17.341	
2,300.00	2,291.82	2,275.44	2,268.71	6.42	6.66	86.05	222.89	153.67	222.82	210.05	12.77	17.447	
2,400.00	2,390.96	2,368.24	2,360.87	6.61	6.87	89.50	225.49	164.23	234.04	220.89	13.15	17.796	
2,500.00	2,490.11	2,460.38	2,452.09	6.81	7.09	92.64	228.61	176.87	248.49	234.97	13.53	18.373	
2,600.00	2,589.25	2,551.78	2,542.23	7.00	7.30	95.44	232.21	191.51	266.05	252.16	13.89	19.153	
2,700.00	2,688.39	2,642.33	2,631.16	7.20	7.51	97.86	236.30	208.07	286.54	272.29	14.25	20.112	
2,800.00	2,787.54	2,731.95	2,718.75	7.39	7.72	99.92	240.83	226.48	309.80	295.21	14.60	21.226	
2,900.00	2,886.68	2,820.56	2,804.88	7.59	7.92	101.66	245.80	246.63	335.68	320.76	14.93	22.487	
3,000.00	2,985.83	2,911.35	2,892.67	7.78	8.09	103.15	251.34	269.11	363.87	348.63	15.24	23.875	
3,100.00	3,084.97	3,006.73	2,984.81	7.98	8.29	104.49	257.25	293.08	392.66	377.03	15.63	25.126	
3,200.00	3,184.12	3,102.12	3,076.94	8.17	8.49	105.64	263.16	317.06	421.62	405.60	16.02	26.326	
3,300.00	3,283.26	3,197.51	3,169.08	8.36	8.70	106.65	269.07	341.03	450.72	434.31	16.41	27.473	
3,400.00	3,382.40	3,292.90	3,261.22	8.56	8.91	107.54	274.98	365.01	479.93	463.14	16.80	28.571	
3,500.00	3,481.55	3,388.29	3,353.36	8.75	9.14	108.32	280.89	388.99	509.24	492.05	17.19	29.622	
3,600.00	3,580.69	3,483.68	3,445.49	8.95	9.38	109.02	286.80	412.96	538.62	521.04	17.59	30.627	
3,700.00	3,679.84	3,579.07	3,537.63	9.14	9.64	109.65	292.71	436.94	568.08	550.09	17.98	31.589	
3,800.00	3,778.98	3,674.45	3,629.77	9.33	9.92	110.22	298.62	460.92	597.58	579.20	18.38	32.510	
3,900.00	3,878.13	3,769.84	3,721.90	9.53	10.21	110.73	304.53	484.89	627.14	608.36	18.78	33.392	
4,000.00	3,977.27	3,865.23	3,814.04	9.72	10.50	111.20	310.44	508.87	656.74	637.55	19.18	34.237	
4,100.00	4,076.42	3,960.62	3,906.18	9.91	10.80	111.62	316.35	532.84	686.37	666.79	19.58	35.048	
4,200.00	4,175.56	4,056.01	3,998.31	10.11	11.11	112.01	322.26	556.82	716.04	696.05	19.99	35.825	
4,300.00	4,274.70	4,151.40	4,090.45	10.30	11.41	112.38	328.17	580.80	745.73	725.34	20.39	36.570	
4,400.00	4,373.85	4,246.79	4,182.59	10.49	11.72	112.71	334.08	604.77	775.45	754.65	20.80	37.286	
4,500.00	4,472.99	4,342.18	4,274.72	10.69	12.03	113.02	339.99	628.75	805.19	783.98	21.20	37.974	
4,600.00	4,572.14	4,437.56	4,366.86	10.88	12.34	113.30	345.90	652.72	834.95	813.34	21.61	38.635	
4,700.00	4,671.28	4,532.95	4,459.00	11.08	12.65	113.57	351.81	676.70	864.73	842.71	22.02	39.267	

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 135H
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 135H	**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 137H - 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
4,702.13	4,673.39	4,534.99	4,460.96	11.08	12.65	113.57	351.94	677.21	865.36	843.33	22.03	39.280	
4,800.00	4,770.58	4,628.52	4,551.31	11.28	12.96	114.15	357.73	700.72	894.04	871.61	22.42	39.870	
4,900.00	4,870.15	4,724.44	4,643.96	11.48	13.28	114.56	363.68	724.83	922.32	899.51	22.81	40.432	
5,000.00	4,969.93	4,820.63	4,736.86	11.67	13.60	114.80	369.64	749.01	949.57	926.38	23.18	40.959	
5,100.00	5,069.85	4,917.02	4,829.98	11.85	13.92	114.89	375.61	773.24	975.77	952.23	23.54	41.457	
5,200.00	5,169.84	5,013.56	4,923.22	11.99	14.24	114.84	381.59	797.50	1,000.93	977.07	23.87	41.941	
5,202.16	5,172.00	5,015.65	4,925.24	12.00	14.24	94.60	381.72	798.03	1,001.47	977.59	23.87	41.951	
5,300.00	5,269.84	5,110.15	5,016.52	12.08	14.56	94.16	387.58	821.78	1,025.60	1,001.43	24.18	42.421	
5,400.00	5,369.84	5,206.74	5,109.82	12.17	14.88	93.72	393.56	846.06	1,050.33	1,025.84	24.49	42.887	
5,500.00	5,469.84	5,303.34	5,203.12	12.26	15.21	93.31	399.54	870.34	1,075.11	1,050.31	24.81	43.342	
5,600.00	5,569.84	5,399.93	5,296.42	12.34	15.53	92.91	405.53	894.62	1,099.95	1,074.83	25.12	43.788	
5,700.00	5,669.84	5,496.52	5,389.72	12.43	15.86	92.53	411.51	918.89	1,124.83	1,099.39	25.43	44.224	
5,800.00	5,769.84	5,593.11	5,483.01	12.52	16.19	92.17	417.50	943.17	1,149.75	1,124.00	25.75	44.651	
5,900.00	5,869.84	5,689.70	5,576.31	12.61	16.51	91.82	423.48	967.45	1,174.72	1,148.65	26.06	45.069	
6,000.00	5,969.84	5,786.29	5,669.61	12.69	16.84	91.49	429.47	991.73	1,199.72	1,173.34	26.38	45.478	
6,100.00	6,069.84	5,882.88	5,762.91	12.78	17.17	91.17	435.45	1,016.01	1,224.77	1,198.07	26.70	45.877	
6,200.00	6,169.84	6,009.29	5,885.30	12.87	17.57	90.78	443.01	1,046.69	1,249.08	1,221.96	27.12	46.060	
6,300.00	6,269.84	6,152.82	6,025.41	12.96	17.99	90.42	450.46	1,076.89	1,270.10	1,242.50	27.60	46.020	
6,400.00	6,369.84	6,298.56	6,168.78	13.04	18.37	90.13	456.72	1,102.31	1,287.54	1,259.49	28.05	45.905	
6,500.00	6,469.84	6,446.14	6,314.86	13.13	18.68	89.91	461.73	1,122.61	1,301.30	1,272.85	28.46	45.726	
6,600.00	6,569.84	6,595.15	6,463.05	13.22	18.93	89.75	465.41	1,137.54	1,311.33	1,282.50	28.83	45.483	
6,700.00	6,669.84	6,745.13	6,612.72	13.30	19.12	89.65	467.71	1,146.88	1,317.58	1,288.42	29.16	45.192	
6,800.00	6,769.84	6,895.64	6,763.17	13.39	19.25	89.61	468.61	1,150.52	1,320.00	1,290.58	29.42	44.869	
6,900.00	6,869.84	7,002.30	6,869.84	13.48	19.30	89.61	468.62	1,150.57	1,320.03	1,290.48	29.55	44.675	
7,000.00	6,969.84	7,102.30	6,969.84	13.56	19.35	89.61	468.62	1,150.57	1,320.03	1,290.34	29.69	44.467	
7,100.00	7,069.84	7,202.30	7,069.84	13.65	19.40	89.61	468.62	1,150.57	1,320.03	1,290.21	29.82	44.261	
7,200.00	7,169.84	7,302.30	7,169.84	13.74	19.45	89.61	468.62	1,150.57	1,320.03	1,290.07	29.96	44.056	
7,300.00	7,269.84	7,402.30	7,269.84	13.82	19.50	89.61	468.62	1,150.57	1,320.03	1,289.93	30.10	43.853	
7,400.00	7,369.84	7,502.30	7,369.84	13.91	19.55	89.61	468.62	1,150.57	1,320.03	1,289.79	30.24	43.651	
7,500.00	7,469.84	7,602.30	7,469.84	14.00	19.60	89.61	468.62	1,150.57	1,320.03	1,289.65	30.38	43.452	
7,600.00	7,569.84	7,702.30	7,569.84	14.08	19.66	89.61	468.62	1,150.57	1,320.03	1,289.51	30.52	43.253	
7,700.00	7,669.84	7,802.30	7,669.84	14.17	19.71	89.61	468.62	1,150.57	1,320.03	1,289.37	30.66	43.057	
7,800.00	7,769.84	7,902.30	7,769.84	14.26	19.76	89.61	468.62	1,150.57	1,320.03	1,289.23	30.80	42.862	
7,900.00	7,869.84	8,002.30	7,869.84	14.34	19.81	89.61	468.62	1,150.57	1,320.03	1,289.09	30.94	42.668	
8,000.00	7,969.84	8,102.30	7,969.84	14.43	19.86	89.61	468.62	1,150.57	1,320.03	1,288.95	31.08	42.476	
8,100.00	8,069.84	8,202.30	8,069.84	14.51	19.92	89.61	468.62	1,150.57	1,320.03	1,288.81	31.22	42.286	
8,200.00	8,169.84	8,302.30	8,169.84	14.60	19.97	89.61	468.62	1,150.57	1,320.03	1,288.67	31.36	42.097	
8,300.00	8,269.84	8,402.30	8,269.84	14.69	20.02	89.61	468.62	1,150.57	1,320.03	1,288.53	31.50	41.909	
8,400.00	8,369.84	8,502.30	8,369.84	14.77	20.08	89.61	468.62	1,150.57	1,320.03	1,288.39	31.64	41.723	
8,500.00	8,469.84	8,602.30	8,469.84	14.86	20.13	89.61	468.62	1,150.57	1,320.03	1,288.25	31.78	41.539	
8,600.00	8,569.84	8,702.30	8,569.84	14.94	20.18	89.61	468.62	1,150.57	1,320.03	1,288.11	31.92	41.355	
8,700.00	8,669.84	8,802.30	8,669.84	15.03	20.24	89.61	468.62	1,150.57	1,320.03	1,287.97	32.06	41.174	
8,800.00	8,769.84	8,902.30	8,769.84	15.12	20.29	89.61	468.62	1,150.57	1,320.03	1,287.83	32.20	40.993	
8,900.00	8,869.84	9,002.30	8,869.84	15.20	20.35	89.61	468.62	1,150.57	1,320.03	1,287.69	32.34	40.814	
9,000.00	8,969.84	9,102.30	8,969.84	15.29	20.40	89.61	468.62	1,150.57	1,320.03	1,287.55	32.48	40.636	
9,100.00	9,069.84	9,202.30	9,069.84	15.37	20.46	89.61	468.62	1,150.57	1,320.03	1,287.41	32.63	40.460	
9,200.00	9,169.84	9,302.30	9,169.84	15.46	20.51	89.61	468.62	1,150.57	1,320.03	1,287.26	32.77	40.285	
9,300.00	9,269.84	9,402.30	9,269.84	15.54	20.57	89.61	468.62	1,150.57	1,320.03	1,287.12	32.91	40.112	
9,400.00	9,369.84	9,502.30	9,369.84	15.63	20.62	89.61	468.62	1,150.57	1,320.03	1,286.98	33.05	39.939	
9,500.00	9,469.84	9,602.30	9,469.84	15.71	20.68	89.61	468.62	1,150.57	1,320.03	1,286.84	33.19	39.768	
9,600.00	9,569.84	9,702.30	9,569.84	15.80	20.73	89.61	468.62	1,150.57	1,320.03	1,286.70	33.34	39.599	
9,700.00	9,669.84	9,802.30	9,669.84	15.89	20.79	89.61	468.62	1,150.57	1,320.03	1,286.55	33.48	39.430	

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 135H
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 135H	**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 137H - 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	9,769.84	9,902.30	9,769.84	15.97	20.84	89.61	468.62	1,150.57	1,320.03	1,286.41	33.62	39.263	
9,900.00	9,869.84	10,002.30	9,869.84	16.06	20.90	89.61	468.62	1,150.57	1,320.03	1,286.27	33.76	39.097	
10,000.00	9,969.84	10,102.30	9,969.84	16.14	20.96	89.61	468.62	1,150.57	1,320.03	1,286.12	33.91	38.932	
10,100.00	10,069.84	10,202.30	10,069.84	16.23	21.01	89.61	468.62	1,150.57	1,320.03	1,285.98	34.05	38.769	
10,200.00	10,169.84	10,302.30	10,169.84	16.31	21.07	89.61	468.62	1,150.57	1,320.03	1,285.84	34.19	38.607	
10,300.00	10,269.84	10,402.30	10,269.84	16.40	21.13	89.61	468.62	1,150.57	1,320.03	1,285.70	34.34	38.445	
10,400.00	10,369.84	10,502.30	10,369.84	16.48	21.18	89.61	468.62	1,150.57	1,320.03	1,285.55	34.48	38.286	
10,500.00	10,469.84	10,602.30	10,469.84	16.57	21.24	89.61	468.62	1,150.57	1,320.03	1,285.41	34.62	38.127	
10,600.00	10,569.84	10,702.30	10,569.84	16.65	21.30	89.61	468.62	1,150.57	1,320.03	1,285.26	34.77	37.969	
10,700.00	10,669.84	10,802.30	10,669.84	16.74	21.35	89.61	468.62	1,150.57	1,320.03	1,285.12	34.91	37.813	
10,800.00	10,769.84	10,902.30	10,769.84	16.82	21.41	89.61	468.62	1,150.57	1,320.03	1,284.98	35.05	37.658	
10,900.00	10,869.84	11,002.30	10,869.84	16.91	21.47	89.61	468.62	1,150.57	1,320.03	1,284.83	35.20	37.504	
11,000.00	10,969.84	11,102.30	10,969.84	16.99	21.53	89.61	468.62	1,150.57	1,320.03	1,284.69	35.34	37.351	
11,100.00	11,069.84	11,202.30	11,069.84	17.08	21.59	89.61	468.62	1,150.57	1,320.03	1,284.54	35.49	37.199	
11,200.00	11,169.84	11,302.30	11,169.84	17.16	21.64	89.61	468.62	1,150.57	1,320.03	1,284.40	35.63	37.048	
11,300.00	11,269.84	11,402.30	11,269.84	17.25	21.70	89.61	468.62	1,150.57	1,320.03	1,284.26	35.78	36.898	
11,400.00	11,369.84	11,502.30	11,369.84	17.33	21.76	89.61	468.62	1,150.57	1,320.03	1,284.11	35.92	36.749	
11,500.00	11,469.84	11,602.30	11,469.84	17.42	21.82	89.61	468.62	1,150.57	1,320.03	1,283.97	36.06	36.602	
11,581.16	11,551.00	11,683.47	11,551.00	17.48	21.86	89.61	468.62	1,150.57	1,320.03	1,283.86	36.17	36.498	
11,600.00	11,569.83	11,702.24	11,569.77	17.48	21.86	-89.90	468.40	1,150.57	1,320.03	1,283.86	36.17	36.497	
11,650.00	11,619.67	11,752.05	11,619.44	17.49	21.90	-89.91	464.87	1,150.60	1,320.03	1,283.91	36.12	36.541	
11,700.00	11,668.99	11,801.89	11,668.64	17.51	21.93	-89.93	457.03	1,150.67	1,320.03	1,283.98	36.05	36.618	
11,750.00	11,717.40	11,851.75	11,717.00	17.51	21.95	-89.94	444.95	1,150.77	1,320.03	1,284.08	35.94	36.724	
11,800.00	11,764.55	11,901.64	11,764.15	17.52	21.97	-89.95	428.69	1,150.91	1,320.03	1,284.22	35.81	36.858	
11,850.00	11,810.08	11,951.55	11,809.73	17.52	21.99	-89.97	408.39	1,151.09	1,320.03	1,284.37	35.66	37.015	
11,900.00	11,853.63	12,001.50	11,853.40	17.52	22.01	-89.98	384.18	1,151.30	1,320.03	1,284.53	35.50	37.189	
11,914.74	11,866.04	12,016.22	11,865.85	17.52	22.01	-89.98	376.32	1,151.37	1,320.03	1,284.58	35.44	37.242	
11,950.00	11,894.88	12,051.47	11,894.81	17.53	22.03	-89.99	356.24	1,151.54	1,320.03	1,284.71	35.32	37.372	
12,000.00	11,933.52	12,101.47	11,933.66	17.53	22.05	-90.01	324.78	1,151.81	1,320.03	1,284.88	35.15	37.558	
12,050.00	11,969.24	12,151.51	11,969.64	17.53	22.09	-90.02	290.04	1,152.11	1,320.03	1,285.05	34.98	37.736	
12,100.00	12,001.78	12,201.57	12,002.46	17.53	22.13	-90.04	252.27	1,152.43	1,320.03	1,285.20	34.83	37.897	
12,150.00	12,030.89	12,251.66	12,031.89	17.53	22.19	-90.05	211.75	1,152.78	1,320.03	1,285.32	34.71	38.031	
12,200.00	12,056.34	12,301.77	12,057.67	17.53	22.26	-90.07	168.80	1,153.15	1,320.03	1,285.41	34.62	38.127	
12,250.00	12,077.95	12,351.92	12,079.62	17.54	22.36	-90.08	123.73	1,153.54	1,320.03	1,285.46	34.58	38.178	
12,300.00	12,095.55	12,402.09	12,097.55	17.55	22.47	-90.09	76.89	1,153.94	1,320.03	1,285.45	34.58	38.176	
12,350.00	12,109.01	12,452.28	12,111.32	17.56	22.61	-90.10	28.64	1,154.36	1,320.03	1,285.40	34.63	38.116	
12,400.00	12,118.22	12,502.50	12,120.82	17.58	22.76	-90.11	-20.65	1,154.78	1,320.03	1,285.29	34.74	37.995	
12,450.00	12,123.11	12,552.74	12,125.97	17.60	22.94	-90.12	-70.61	1,155.21	1,320.03	1,285.13	34.91	37.816	
12,476.17	12,123.94	12,579.05	12,126.91	17.61	23.04	-90.13	-96.90	1,155.44	1,320.03	1,285.02	35.01	37.700	
12,500.00	12,124.14	12,602.89	12,127.12	17.62	23.14	-90.13	-120.74	1,155.65	1,320.03	1,284.91	35.12	37.581	
12,600.00	12,125.02	12,702.89	12,127.99	17.69	23.58	-90.13	-220.73	1,156.51	1,320.03	1,284.29	35.75	36.927	
12,700.00	12,125.89	12,802.89	12,128.87	17.79	24.07	-90.13	-320.72	1,157.37	1,320.03	1,283.47	36.57	36.099	
12,800.00	12,126.76	12,902.89	12,129.74	17.95	24.63	-90.13	-420.71	1,158.23	1,320.03	1,282.46	37.57	35.134	
12,900.00	12,127.63	13,002.89	12,130.61	18.21	25.23	-90.13	-520.71	1,159.09	1,320.04	1,281.29	38.75	34.069	
13,000.00	12,128.50	13,102.89	12,131.48	18.61	25.88	-90.13	-620.70	1,159.95	1,320.04	1,279.96	40.08	32.938	
13,100.00	12,129.37	13,202.89	12,132.35	19.18	26.58	-90.13	-720.69	1,160.81	1,320.04	1,278.49	41.55	31.773	
13,200.00	12,130.24	13,302.89	12,133.22	19.87	27.32	-90.13	-820.68	1,161.68	1,320.04	1,276.90	43.14	30.598	
13,300.00	12,131.11	13,402.89	12,134.10	20.66	28.10	-90.13	-920.68	1,162.54	1,320.04	1,275.19	44.85	29.434	
13,400.00	12,131.99	13,502.89	12,134.97	21.53	28.92	-90.13	-1,020.67	1,163.40	1,320.04	1,273.38	46.65	28.295	
13,500.00	12,132.86	13,602.89	12,135.84	22.45	29.77	-90.13	-1,120.66	1,164.26	1,320.04	1,271.49	48.55	27.191	
13,600.00	12,133.73	13,702.89	12,136.71	23.43	30.66	-90.13	-1,220.65	1,165.12	1,320.04	1,269.52	50.52	26.130	
13,700.00	12,134.60	13,802.89	12,137.58	24.44	31.58	-90.13	-1,320.65	1,165.98	1,320.04	1,267.48	52.56	25.115	

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 135H
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 135H	**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 137H - 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	12,135.47	13,902.89	12,138.45	25.50	32.53	-90.13	-1,420.64	1,166.84	1,320.04	1,265.38	54.66	24.149	
13,900.00	12,136.34	14,002.89	12,139.33	26.58	33.50	-90.13	-1,520.63	1,167.70	1,320.04	1,263.22	56.82	23.232	
14,000.00	12,137.21	14,102.89	12,140.20	27.69	34.50	-90.13	-1,620.62	1,168.57	1,320.04	1,261.01	59.02	22.365	
14,100.00	12,138.08	14,202.89	12,141.07	28.82	35.52	-90.13	-1,720.62	1,169.43	1,320.04	1,258.77	61.27	21.544	
14,200.00	12,138.96	14,302.89	12,141.94	29.98	36.56	-90.13	-1,820.61	1,170.29	1,320.04	1,256.48	63.56	20.769	
14,300.00	12,139.83	14,402.89	12,142.81	31.15	37.62	-90.13	-1,920.60	1,171.15	1,320.04	1,254.16	65.88	20.037	
14,400.00	12,140.70	14,502.89	12,143.68	32.33	38.70	-90.13	-2,020.59	1,172.01	1,320.04	1,251.81	68.23	19.346	
14,500.00	12,141.57	14,602.89	12,144.56	33.54	39.80	-90.13	-2,120.59	1,172.87	1,320.04	1,249.43	70.61	18.694	
14,600.00	12,142.44	14,702.89	12,145.43	34.75	40.92	-90.13	-2,220.58	1,173.73	1,320.04	1,247.02	73.02	18.078	
14,700.00	12,143.31	14,802.89	12,146.30	35.98	42.04	-90.13	-2,320.57	1,174.59	1,320.04	1,244.60	75.45	17.497	
14,800.00	12,144.18	14,902.89	12,147.17	37.21	43.19	-90.13	-2,420.56	1,175.46	1,320.04	1,242.15	77.89	16.947	
14,900.00	12,145.05	15,002.89	12,148.04	38.46	44.34	-90.13	-2,520.56	1,176.32	1,320.04	1,239.68	80.36	16.426	
15,000.00	12,145.93	15,102.89	12,148.91	39.71	45.50	-90.13	-2,620.55	1,177.18	1,320.04	1,237.20	82.85	15.934	
15,100.00	12,146.80	15,202.89	12,149.78	40.97	46.68	-90.13	-2,720.54	1,178.04	1,320.04	1,234.70	85.35	15.467	
15,200.00	12,147.67	15,302.89	12,150.66	42.24	47.87	-90.13	-2,820.53	1,178.90	1,320.04	1,232.18	87.86	15.024	
15,300.00	12,148.54	15,402.89	12,151.53	43.51	49.06	-90.13	-2,920.53	1,179.76	1,320.04	1,229.66	90.39	14.604	
15,400.00	12,149.41	15,502.89	12,152.40	44.79	50.27	-90.13	-3,020.52	1,180.62	1,320.04	1,227.12	92.93	14.205	
15,500.00	12,150.28	15,602.89	12,153.27	46.08	51.48	-90.13	-3,120.51	1,181.49	1,320.04	1,224.57	95.48	13.826	
15,600.00	12,151.15	15,702.89	12,154.14	47.37	52.70	-90.13	-3,220.50	1,182.35	1,320.04	1,222.01	98.04	13.465	
15,700.00	12,152.02	15,802.89	12,155.01	48.66	53.93	-90.13	-3,320.50	1,183.21	1,320.04	1,219.44	100.61	13.121	
15,800.00	12,152.90	15,902.89	12,155.89	49.96	55.16	-90.13	-3,420.49	1,184.07	1,320.04	1,216.86	103.19	12.793	
15,900.00	12,153.77	16,002.89	12,156.76	51.26	56.40	-90.13	-3,520.48	1,184.93	1,320.04	1,214.27	105.77	12.480	
16,000.00	12,154.64	16,102.89	12,157.63	52.57	57.65	-90.13	-3,620.47	1,185.79	1,320.05	1,211.68	108.37	12.181	
16,100.00	12,155.51	16,202.89	12,158.50	53.88	58.90	-90.13	-3,720.47	1,186.65	1,320.05	1,209.08	110.97	11.896	
16,200.00	12,156.38	16,302.89	12,159.37	55.19	60.16	-90.13	-3,820.46	1,187.51	1,320.05	1,206.47	113.57	11.623	
16,300.00	12,157.25	16,402.89	12,160.24	56.50	61.42	-90.13	-3,920.45	1,188.38	1,320.05	1,203.86	116.19	11.361	
16,400.00	12,158.12	16,502.89	12,161.12	57.82	62.68	-90.13	-4,020.44	1,189.24	1,320.05	1,201.24	118.81	11.111	
16,500.00	12,158.99	16,602.89	12,161.99	59.14	63.95	-90.13	-4,120.44	1,190.10	1,320.05	1,198.61	121.43	10.871	
16,600.00	12,159.87	16,702.89	12,162.86	60.46	65.23	-90.13	-4,220.43	1,190.96	1,320.05	1,195.99	124.06	10.640	
16,700.00	12,160.74	16,802.89	12,163.73	61.79	66.51	-90.13	-4,320.42	1,191.82	1,320.05	1,193.35	126.70	10.419	
16,800.00	12,161.61	16,902.89	12,164.60	63.11	67.79	-90.13	-4,420.41	1,192.68	1,320.05	1,190.71	129.33	10.206	
16,900.00	12,162.48	17,002.89	12,165.47	64.44	69.07	-90.13	-4,520.41	1,193.54	1,320.05	1,188.07	131.98	10.002	
17,000.00	12,163.35	17,102.89	12,166.35	65.77	70.36	-90.13	-4,620.40	1,194.40	1,320.05	1,185.42	134.62	9.805	
17,100.00	12,164.22	17,202.89	12,167.22	67.10	71.65	-90.13	-4,720.39	1,195.27	1,320.05	1,182.77	137.27	9.616	
17,200.00	12,165.09	17,302.89	12,168.09	68.43	72.95	-90.13	-4,820.38	1,196.13	1,320.05	1,180.12	139.93	9.434	
17,300.00	12,165.96	17,402.89	12,168.96	69.77	74.24	-90.13	-4,920.38	1,196.99	1,320.05	1,177.46	142.58	9.258	
17,400.00	12,166.84	17,502.89	12,169.83	71.10	75.54	-90.13	-5,020.37	1,197.85	1,320.05	1,174.81	145.24	9.088	
17,500.00	12,167.71	17,602.89	12,170.70	72.44	76.84	-90.13	-5,120.36	1,198.71	1,320.05	1,172.14	147.91	8.925	
17,600.00	12,168.58	17,702.89	12,171.58	73.78	78.15	-90.13	-5,220.35	1,199.57	1,320.05	1,169.48	150.57	8.767	
17,700.00	12,169.45	17,802.89	12,172.45	75.12	79.45	-90.13	-5,320.35	1,200.43	1,320.05	1,166.81	153.24	8.614	
17,800.00	12,170.32	17,902.89	12,173.32	76.46	80.76	-90.13	-5,420.34	1,201.29	1,320.05	1,164.14	155.91	8.467	
17,900.00	12,171.19	18,002.89	12,174.19	77.80	82.07	-90.13	-5,520.33	1,202.16	1,320.05	1,161.47	158.58	8.324	
18,000.00	12,172.06	18,102.89	12,175.06	79.14	83.39	-90.13	-5,620.32	1,203.02	1,320.05	1,158.79	161.26	8.186	
18,100.00	12,172.93	18,202.89	12,175.93	80.48	84.70	-90.13	-5,720.32	1,203.88	1,320.05	1,156.11	163.94	8.052	
18,200.00	12,173.81	18,302.89	12,176.81	81.83	86.01	-90.13	-5,820.31	1,204.74	1,320.05	1,153.44	166.62	7.923	
18,300.00	12,174.68	18,402.89	12,177.68	83.17	87.33	-90.13	-5,920.30	1,205.60	1,320.05	1,150.75	169.30	7.797	
18,400.00	12,175.55	18,502.89	12,178.55	84.52	88.65	-90.13	-6,020.29	1,206.46	1,320.05	1,148.07	171.98	7.676	
18,500.00	12,176.42	18,602.89	12,179.42	85.86	89.97	-90.13	-6,120.29	1,207.32	1,320.05	1,145.39	174.67	7.558	
18,600.00	12,177.29	18,702.89	12,180.29	87.21	91.29	-90.13	-6,220.28	1,208.18	1,320.05	1,142.70	177.35	7.443	
18,700.00	12,178.16	18,802.89	12,181.16	88.56	92.62	-90.13	-6,320.27	1,209.05	1,320.05	1,140.01	180.04	7.332	
18,800.00	12,179.03	18,902.89	12,182.03	89.91	93.94	-90.13	-6,420.26	1,209.91	1,320.05	1,137.32	182.73	7.224	
18,900.00	12,179.90	19,002.89	12,182.91	91.26	95.27	-90.13	-6,520.26	1,210.77	1,320.05	1,134.63	185.42	7.119	

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 135H
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 135H	**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 137H - 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	12,180.78	19,102.89	12,183.78	92.61	96.60	-90.13	-6,620.25	1,211.63	1,320.06	1,131.94	188.11	7.017	
19,100.00	12,181.65	19,202.89	12,184.65	93.96	97.92	-90.13	-6,720.24	1,212.49	1,320.06	1,129.25	190.81	6.918	
19,200.00	12,182.52	19,302.89	12,185.52	95.31	99.25	-90.13	-6,820.23	1,213.35	1,320.06	1,126.55	193.50	6.822	
19,300.00	12,183.39	19,402.89	12,186.39	96.66	100.58	-90.13	-6,920.23	1,214.21	1,320.06	1,123.86	196.20	6.728	
19,400.00	12,184.26	19,502.89	12,187.26	98.01	101.92	-90.13	-7,020.22	1,215.08	1,320.06	1,121.16	198.90	6.637	
19,500.00	12,185.13	19,602.89	12,188.14	99.36	103.25	-90.13	-7,120.21	1,215.94	1,320.06	1,118.46	201.60	6.548	
19,600.00	12,186.00	19,702.89	12,189.01	100.72	104.58	-90.13	-7,220.20	1,216.80	1,320.06	1,115.76	204.30	6.462	
19,700.00	12,186.87	19,802.89	12,189.88	102.07	105.92	-90.13	-7,320.20	1,217.66	1,320.06	1,113.06	207.00	6.377	
19,800.00	12,187.75	19,902.89	12,190.75	103.42	107.25	-90.13	-7,420.19	1,218.52	1,320.06	1,110.36	209.70	6.295	
19,900.00	12,188.62	20,002.89	12,191.62	104.78	108.59	-90.13	-7,520.18	1,219.38	1,320.06	1,107.66	212.40	6.215	
20,000.00	12,189.49	20,102.89	12,192.49	106.13	109.93	-90.13	-7,620.17	1,220.24	1,320.06	1,104.95	215.10	6.137	
20,100.00	12,190.36	20,202.89	12,193.37	107.49	111.26	-90.13	-7,720.17	1,221.10	1,320.06	1,102.25	217.81	6.061	
20,200.00	12,191.23	20,302.89	12,194.24	108.84	112.60	-90.13	-7,820.16	1,221.97	1,320.06	1,099.54	220.51	5.986	
20,300.00	12,192.10	20,402.89	12,195.11	110.20	113.94	-90.13	-7,920.15	1,222.83	1,320.06	1,096.84	223.22	5.914	
20,400.00	12,192.97	20,502.89	12,195.98	111.55	115.28	-90.13	-8,020.14	1,223.69	1,320.06	1,094.13	225.93	5.843	
20,500.00	12,193.85	20,602.89	12,196.85	112.91	116.62	-90.13	-8,120.14	1,224.55	1,320.06	1,091.42	228.64	5.774	
20,600.00	12,194.72	20,702.89	12,197.72	114.27	117.96	-90.13	-8,220.13	1,225.41	1,320.06	1,088.72	231.34	5.706	
20,700.00	12,195.59	20,802.89	12,198.60	115.62	119.31	-90.13	-8,320.12	1,226.27	1,320.06	1,086.01	234.05	5.640	
20,800.00	12,196.46	20,902.89	12,199.47	116.98	120.65	-90.13	-8,420.11	1,227.13	1,320.06	1,083.30	236.76	5.575	
20,900.00	12,197.33	21,002.89	12,200.34	118.34	121.99	-90.13	-8,520.11	1,227.99	1,320.06	1,080.59	239.47	5.512	
21,000.00	12,198.20	21,102.89	12,201.21	119.70	123.34	-90.13	-8,620.10	1,228.86	1,320.06	1,077.88	242.19	5.451	
21,100.00	12,199.07	21,202.89	12,202.08	121.05	124.68	-90.13	-8,720.09	1,229.72	1,320.06	1,075.16	244.90	5.390	
21,200.00	12,199.94	21,302.89	12,202.95	122.41	126.03	-90.13	-8,820.08	1,230.58	1,320.06	1,072.45	247.61	5.331	
21,300.00	12,200.82	21,402.89	12,203.83	123.77	127.37	-90.13	-8,920.08	1,231.44	1,320.06	1,069.74	250.32	5.273	
21,400.00	12,201.69	21,502.89	12,204.70	125.13	128.72	-90.13	-9,020.07	1,232.30	1,320.06	1,067.03	253.04	5.217	
21,500.00	12,202.56	21,602.89	12,205.57	126.49	130.07	-90.13	-9,120.06	1,233.16	1,320.06	1,064.31	255.75	5.162	
21,600.00	12,203.43	21,702.89	12,206.44	127.85	131.41	-90.13	-9,220.05	1,234.02	1,320.06	1,061.60	258.47	5.107	
21,700.00	12,204.30	21,802.89	12,207.31	129.21	132.76	-90.13	-9,320.05	1,234.88	1,320.06	1,058.88	261.18	5.054	
21,800.00	12,205.17	21,902.89	12,208.18	130.57	134.11	-90.13	-9,420.04	1,235.75	1,320.06	1,056.17	263.90	5.002	
21,900.00	12,206.04	22,002.89	12,209.05	131.93	135.46	-90.13	-9,520.03	1,236.61	1,320.06	1,053.45	266.61	4.951	
22,000.00	12,206.91	22,102.89	12,209.93	133.29	136.81	-90.13	-9,620.02	1,237.47	1,320.07	1,050.73	269.33	4.901	
22,100.00	12,207.79	22,202.89	12,210.80	134.65	138.15	-90.13	-9,720.02	1,238.33	1,320.07	1,048.02	272.05	4.852	
22,200.00	12,208.66	22,302.89	12,211.67	136.01	139.50	-90.13	-9,820.01	1,239.19	1,320.07	1,045.30	274.77	4.804	
22,300.00	12,209.53	22,402.89	12,212.54	137.37	140.85	-90.13	-9,920.00	1,240.05	1,320.07	1,042.58	277.48	4.757	
22,400.00	12,210.40	22,502.89	12,213.41	138.73	142.21	-90.13	-10,019.99	1,240.91	1,320.07	1,039.87	280.20	4.711	
22,400.66	12,210.40	22,503.54	12,213.42	138.74	142.22	-90.13	-10,020.65	1,240.92	1,320.07	1,039.85	280.21	4.711	
22,411.61	12,210.50	22,512.90	12,213.50	138.89	142.37	-90.13	-10,030.00	1,241.00	1,320.07	1,039.58	280.49	4.706	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 135H
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 135H	**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	0.00	25.00	0.00	25.00				
100.00	100.00	101.00	101.00	0.98	0.99	0.00	25.00	0.00	25.00	23.03	1.97	12.706	
200.00	200.00	201.00	201.00	1.56	1.57	0.00	25.00	0.00	25.00	21.87	3.13	7.996	
300.00	300.00	301.00	301.00	1.98	1.98	0.00	25.00	0.00	25.00	21.03	3.97	6.304	
400.00	400.00	401.00	401.00	2.33	2.33	0.00	25.00	0.00	25.00	20.34	4.66	5.363	
416.33	416.33	417.33	417.33	2.38	2.38	0.00	25.00	0.00	25.00	20.24	4.76	5.251	CC
500.00	500.00	501.00	501.00	2.63	2.64	0.00	25.00	0.00	25.00	19.73	5.27	4.742	ES
600.00	600.00	600.70	600.69	2.91	2.98	-2.71	25.55	-1.21	25.58	19.75	5.83	4.385	
700.00	700.00	700.27	700.18	3.16	3.29	-9.97	27.17	-4.78	27.60	21.24	6.36	4.340	
800.00	800.00	799.57	799.26	3.40	3.57	-19.69	29.86	-10.69	31.77	24.89	6.88	4.620	
900.00	899.99	899.06	898.39	3.68	3.70	-8.98	33.39	-18.44	36.95	29.65	7.30	5.063	
1,000.00	999.91	998.84	997.79	3.94	3.92	-17.15	37.00	-26.36	40.52	32.72	7.80	5.197	
1,100.00	1,099.77	1,098.65	1,097.22	4.15	4.13	-24.59	40.60	-34.28	43.58	35.36	8.23	5.299	
1,200.00	1,199.63	1,198.45	1,196.64	4.35	4.35	-30.96	44.20	-42.19	47.29	38.64	8.64	5.470	
1,250.43	1,250.00	1,248.20	1,246.17	4.40	4.48	-33.83	46.11	-46.39	49.63	40.82	8.81	5.634	
1,300.00	1,299.48	1,296.98	1,294.67	4.45	4.60	-36.67	48.25	-51.08	52.41	43.44	8.97	5.843	
1,400.00	1,399.17	1,395.15	1,392.08	4.69	4.84	-42.88	53.32	-62.23	58.85	49.45	9.41	6.256	
1,500.00	1,498.62	1,492.98	1,488.80	4.93	5.09	-49.31	59.40	-75.59	66.70	56.89	9.81	6.797	
1,550.47	1,548.70	1,542.20	1,537.31	4.99	5.21	-52.50	62.85	-83.17	71.29	61.34	9.96	7.161	
1,600.00	1,597.81	1,590.40	1,584.70	5.05	5.33	-55.40	66.48	-91.14	76.43	66.34	10.09	7.572	
1,700.00	1,696.95	1,688.51	1,680.90	5.25	5.47	-59.99	74.47	-108.70	88.77	78.38	10.39	8.544	
1,800.00	1,796.09	1,787.49	1,777.90	5.44	5.67	-63.44	82.64	-126.66	101.80	91.04	10.76	9.459	
1,900.00	1,895.24	1,886.48	1,874.90	5.64	5.88	-66.09	90.81	-144.61	115.10	103.96	11.15	10.325	
2,000.00	1,994.38	1,985.47	1,971.90	5.83	6.08	-68.20	98.99	-162.57	128.60	117.06	11.54	11.147	
2,100.00	2,093.53	2,084.45	2,068.90	6.03	6.29	-69.90	107.16	-180.52	142.24	130.31	11.93	11.923	
2,200.00	2,192.67	2,183.44	2,165.90	6.22	6.50	-71.31	115.33	-198.48	155.98	143.65	12.33	12.654	
2,300.00	2,291.82	2,282.42	2,262.90	6.42	6.71	-72.49	123.50	-216.43	169.79	157.07	12.72	13.344	
2,400.00	2,390.96	2,381.41	2,359.90	6.61	6.93	-73.48	131.67	-234.38	183.67	170.54	13.12	13.994	
2,500.00	2,490.11	2,480.39	2,456.90	6.81	7.15	-74.34	139.84	-252.34	197.59	184.06	13.53	14.608	
2,600.00	2,589.25	2,579.38	2,553.90	7.00	7.39	-75.09	148.01	-270.29	211.55	197.62	13.93	15.187	
2,700.00	2,688.39	2,678.37	2,650.90	7.20	7.63	-75.74	156.19	-288.25	225.54	211.21	14.33	15.734	
2,800.00	2,787.54	2,777.35	2,747.90	7.39	7.89	-76.32	164.36	-306.20	239.56	224.82	14.74	16.253	
2,900.00	2,886.68	2,876.34	2,844.90	7.59	8.14	-76.83	172.53	-324.16	253.59	238.45	15.15	16.743	
3,000.00	2,985.83	2,975.32	2,941.90	7.78	8.40	-77.29	180.70	-342.11	267.65	252.10	15.55	17.208	
3,100.00	3,084.97	3,074.31	3,038.90	7.98	8.65	-77.71	188.87	-360.07	281.72	265.76	15.96	17.649	
3,200.00	3,184.12	3,173.29	3,135.90	8.17	8.91	-78.08	197.04	-378.02	295.81	279.43	16.37	18.069	
3,300.00	3,283.26	3,272.28	3,232.90	8.36	9.17	-78.42	205.21	-395.98	309.90	293.12	16.78	18.468	
3,400.00	3,382.40	3,371.26	3,329.90	8.56	9.43	-78.73	213.39	-413.93	324.01	306.81	17.19	18.848	
3,500.00	3,481.55	3,470.25	3,426.90	8.75	9.70	-79.02	221.56	-431.89	338.12	320.52	17.60	19.210	
3,600.00	3,580.69	3,569.24	3,523.90	8.95	9.96	-79.28	229.73	-449.84	352.24	334.23	18.01	19.556	
3,700.00	3,679.84	3,668.22	3,620.90	9.14	10.22	-79.52	237.90	-467.79	366.37	347.94	18.42	19.886	
3,800.00	3,778.98	3,767.21	3,717.90	9.33	10.48	-79.75	246.07	-485.75	380.50	361.67	18.84	20.202	
3,900.00	3,878.13	3,866.19	3,814.90	9.53	10.75	-79.95	254.24	-503.70	394.64	375.39	19.25	20.504	
4,000.00	3,977.27	3,965.18	3,911.90	9.72	11.01	-80.15	262.41	-521.66	408.78	389.12	19.66	20.793	
4,100.00	4,076.42	4,064.16	4,008.90	9.91	11.28	-80.33	270.59	-539.61	422.93	402.86	20.07	21.070	
4,200.00	4,175.56	4,163.15	4,105.90	10.11	11.54	-80.50	278.76	-557.57	437.08	416.60	20.49	21.336	
4,300.00	4,274.70	4,262.14	4,202.90	10.30	11.81	-80.65	286.93	-575.52	451.24	430.34	20.90	21.591	
4,400.00	4,373.85	4,361.12	4,299.90	10.49	12.07	-80.80	295.10	-593.48	465.40	444.08	21.31	21.837	
4,500.00	4,472.99	4,460.11	4,396.90	10.69	12.34	-80.94	303.27	-611.43	479.56	457.83	21.73	22.073	
4,600.00	4,572.14	4,559.09	4,493.90	10.88	12.61	-81.07	311.44	-629.39	493.72	471.58	22.14	22.300	
4,700.00	4,671.28	4,658.08	4,590.90	11.08	12.87	-81.20	319.61	-647.34	507.89	485.33	22.56	22.516	
4,702.13	4,673.39	4,660.19	4,592.97	11.08	12.88	-81.20	319.79	-647.72	508.19	485.62	22.57	22.520	

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 135H
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 135H	**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
4,800.00	4,770.58	4,757.04	4,687.88	11.28	13.14	-81.39	327.78	-665.29	522.24	499.28	22.96	22.747	
4,900.00	4,870.15	4,855.90	4,784.76	11.48	13.41	-81.31	335.95	-683.22	536.99	513.65	23.34	23.007	
5,000.00	4,969.93	4,954.61	4,881.48	11.67	13.67	-80.99	344.09	-701.13	552.17	528.47	23.70	23.299	
5,100.00	5,069.85	5,053.08	4,977.98	11.85	13.94	-80.44	352.22	-718.99	567.82	543.79	24.03	23.626	
5,200.00	5,169.84	5,151.25	5,074.18	11.99	14.20	-79.69	360.33	-736.80	584.04	559.70	24.35	23.988	
5,202.16	5,172.00	5,153.37	5,076.26	12.00	14.21	-99.90	360.50	-737.18	584.40	560.05	24.35	23.996	
5,300.00	5,269.84	5,249.25	5,170.21	12.08	14.47	-98.86	368.42	-754.57	600.70	576.05	24.64	24.376	
5,400.00	5,369.84	5,347.24	5,266.24	12.17	14.74	-97.85	376.51	-772.34	617.54	592.60	24.94	24.760	
5,500.00	5,469.84	5,445.24	5,362.27	12.26	15.00	-96.89	384.60	-790.12	634.57	609.33	25.24	25.143	
5,600.00	5,569.84	5,543.23	5,458.30	12.34	15.27	-95.99	392.69	-807.89	651.75	626.22	25.54	25.523	
5,700.00	5,669.84	5,641.22	5,554.33	12.43	15.53	-95.13	400.77	-825.67	669.10	643.26	25.83	25.899	
5,800.00	5,769.84	5,739.22	5,650.35	12.52	15.80	-94.31	408.86	-843.44	686.58	660.44	26.13	26.273	
5,900.00	5,869.84	5,837.21	5,746.38	12.61	16.07	-93.53	416.95	-861.22	704.19	677.76	26.43	26.641	
6,000.00	5,969.84	5,941.14	5,848.25	12.69	16.35	-92.75	425.47	-879.92	721.80	695.05	26.76	26.977	
6,100.00	6,069.84	6,059.90	5,965.18	12.78	16.64	-92.01	434.08	-898.84	737.46	710.35	27.12	27.195	
6,200.00	6,169.84	6,179.87	6,083.90	12.87	16.89	-91.41	441.24	-914.58	750.43	722.97	27.46	27.328	
6,300.00	6,269.84	6,300.83	6,204.08	12.96	17.12	-90.96	446.89	-927.00	760.61	732.83	27.78	27.382	
6,400.00	6,369.84	6,422.54	6,325.38	13.04	17.29	-90.65	450.99	-936.00	767.96	739.90	28.06	27.365	
6,500.00	6,469.84	6,544.76	6,447.44	13.13	17.43	-90.46	453.49	-941.49	772.44	744.12	28.32	27.277	
6,600.00	6,569.84	6,667.24	6,569.90	13.22	17.53	-90.39	454.37	-943.43	774.02	745.52	28.50	27.159	
6,700.00	6,669.84	6,768.18	6,670.84	13.30	17.58	-90.39	454.37	-943.43	774.02	745.38	28.63	27.031	
6,800.00	6,769.84	6,868.18	6,770.84	13.39	17.64	-90.39	454.37	-943.43	774.02	745.24	28.78	26.895	
6,900.00	6,869.84	6,968.18	6,870.84	13.48	17.70	-90.39	454.37	-943.43	774.02	745.09	28.92	26.760	
7,000.00	6,969.84	7,068.18	6,970.84	13.56	17.75	-90.39	454.37	-943.43	774.02	744.95	29.07	26.626	
7,100.00	7,069.84	7,168.18	7,070.84	13.65	17.81	-90.39	454.37	-943.43	774.02	744.80	29.22	26.493	
7,200.00	7,169.84	7,268.18	7,170.84	13.74	17.87	-90.39	454.37	-943.43	774.02	744.66	29.36	26.361	
7,300.00	7,269.84	7,368.18	7,270.84	13.82	17.93	-90.39	454.37	-943.43	774.02	744.51	29.51	26.231	
7,400.00	7,369.84	7,468.18	7,370.84	13.91	17.99	-90.39	454.37	-943.43	774.02	744.36	29.65	26.102	
7,500.00	7,469.84	7,568.18	7,470.84	14.00	18.05	-90.39	454.37	-943.43	774.02	744.22	29.80	25.974	
7,600.00	7,569.84	7,668.18	7,570.84	14.08	18.11	-90.39	454.37	-943.43	774.02	744.07	29.95	25.847	
7,700.00	7,669.84	7,768.18	7,670.84	14.17	18.17	-90.39	454.37	-943.43	774.02	743.93	30.09	25.721	
7,800.00	7,769.84	7,868.18	7,770.84	14.26	18.23	-90.39	454.37	-943.43	774.02	743.78	30.24	25.597	
7,900.00	7,869.84	7,968.18	7,870.84	14.34	18.29	-90.39	454.37	-943.43	774.02	743.63	30.39	25.473	
8,000.00	7,969.84	8,068.18	7,970.84	14.43	18.35	-90.39	454.37	-943.43	774.02	743.49	30.53	25.351	
8,100.00	8,069.84	8,168.18	8,070.84	14.51	18.42	-90.39	454.37	-943.43	774.02	743.34	30.68	25.229	
8,200.00	8,169.84	8,268.18	8,170.84	14.60	18.48	-90.39	454.37	-943.43	774.02	743.19	30.83	25.109	
8,300.00	8,269.84	8,368.18	8,270.84	14.69	18.54	-90.39	454.37	-943.43	774.02	743.04	30.97	24.990	
8,400.00	8,369.84	8,468.18	8,370.84	14.77	18.60	-90.39	454.37	-943.43	774.02	742.90	31.12	24.871	
8,500.00	8,469.84	8,568.18	8,470.84	14.86	18.66	-90.39	454.37	-943.43	774.02	742.75	31.27	24.754	
8,600.00	8,569.84	8,668.18	8,570.84	14.94	18.72	-90.39	454.37	-943.43	774.02	742.60	31.42	24.638	
8,700.00	8,669.84	8,768.18	8,670.84	15.03	18.78	-90.39	454.37	-943.43	774.02	742.45	31.56	24.523	
8,800.00	8,769.84	8,868.18	8,770.84	15.12	18.85	-90.39	454.37	-943.43	774.02	742.31	31.71	24.409	
8,900.00	8,869.84	8,968.18	8,870.84	15.20	18.91	-90.39	454.37	-943.43	774.02	742.16	31.86	24.295	
9,000.00	8,969.84	9,068.18	8,970.84	15.29	18.97	-90.39	454.37	-943.43	774.02	742.01	32.01	24.183	
9,100.00	9,069.84	9,168.18	9,070.84	15.37	19.03	-90.39	454.37	-943.43	774.02	741.86	32.15	24.072	
9,200.00	9,169.84	9,268.18	9,170.84	15.46	19.10	-90.39	454.37	-943.43	774.02	741.72	32.30	23.961	
9,300.00	9,269.84	9,368.18	9,270.84	15.54	19.16	-90.39	454.37	-943.43	774.02	741.57	32.45	23.852	
9,400.00	9,369.84	9,468.18	9,370.84	15.63	19.22	-90.39	454.37	-943.43	774.02	741.42	32.60	23.743	
9,500.00	9,469.84	9,568.18	9,470.84	15.71	19.28	-90.39	454.37	-943.43	774.02	741.27	32.75	23.636	
9,600.00	9,569.84	9,668.18	9,570.84	15.80	19.35	-90.39	454.37	-943.43	774.02	741.12	32.90	23.529	
9,700.00	9,669.84	9,768.18	9,670.84	15.89	19.41	-90.39	454.37	-943.43	774.02	740.97	33.05	23.423	
9,800.00	9,769.84	9,868.18	9,770.84	15.97	19.47	-90.39	454.37	-943.43	774.02	740.82	33.19	23.318	

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 135H
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 135H	**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	9,869.84	9,968.18	9,870.84	16.06	19.54	-90.39	454.37	-943.43	774.02	740.68	33.34	23.214	
10,000.00	9,969.84	10,068.18	9,970.84	16.14	19.60	-90.39	454.37	-943.43	774.02	740.53	33.49	23.111	
10,100.00	10,069.84	10,168.18	10,070.84	16.23	19.67	-90.39	454.37	-943.43	774.02	740.38	33.64	23.008	
10,200.00	10,169.84	10,268.18	10,170.84	16.31	19.73	-90.39	454.37	-943.43	774.02	740.23	33.79	22.907	
10,300.00	10,269.84	10,368.18	10,270.84	16.40	19.79	-90.39	454.37	-943.43	774.02	740.08	33.94	22.806	
10,400.00	10,369.84	10,468.18	10,370.84	16.48	19.86	-90.39	454.37	-943.43	774.02	739.93	34.09	22.706	
10,500.00	10,469.84	10,568.18	10,470.84	16.57	19.92	-90.39	454.37	-943.43	774.02	739.78	34.24	22.607	
10,600.00	10,569.84	10,668.18	10,570.84	16.65	19.99	-90.39	454.37	-943.43	774.02	739.63	34.39	22.508	
10,700.00	10,669.84	10,768.18	10,670.84	16.74	20.05	-90.39	454.37	-943.43	774.02	739.48	34.54	22.411	
10,800.00	10,769.84	10,868.18	10,770.84	16.82	20.12	-90.39	454.37	-943.43	774.02	739.33	34.69	22.314	
10,900.00	10,869.84	10,968.18	10,870.84	16.91	20.18	-90.39	454.37	-943.43	774.02	739.18	34.84	22.218	
11,000.00	10,969.84	11,068.18	10,970.84	16.99	20.25	-90.39	454.37	-943.43	774.02	739.03	34.99	22.123	
11,100.00	11,069.84	11,168.18	11,070.84	17.08	20.30	-90.39	454.37	-943.43	774.02	738.89	35.13	22.034	
11,147.08	11,116.92	11,215.29	11,117.92	17.12	20.32	-90.49	452.98	-943.42	774.02	738.85	35.17	22.010	
11,200.00	11,169.84	11,267.60	11,169.86	17.16	20.34	-90.94	446.96	-943.37	774.04	738.85	35.19	21.998	
11,300.00	11,269.84	11,361.77	11,261.16	17.25	20.35	-92.61	424.31	-943.17	774.61	739.41	35.20	22.008	
11,400.00	11,369.84	11,446.62	11,339.26	17.33	20.35	-95.05	391.34	-942.89	777.11	741.90	35.20	22.074	
11,500.00	11,469.84	11,520.35	11,402.53	17.42	20.34	-97.81	353.60	-942.56	783.35	748.08	35.28	22.206	
11,581.16	11,551.00	11,572.03	11,443.75	17.48	20.33	-100.07	322.45	-942.29	792.38	756.94	35.44	22.360	
11,600.00	11,569.83	11,583.19	11,452.27	17.48	20.33	79.66	315.24	-942.23	795.01	759.53	35.48	22.408	
11,650.00	11,619.67	11,612.56	11,474.01	17.49	20.33	77.62	295.50	-942.06	802.58	766.99	35.58	22.554	
11,700.00	11,668.99	11,641.61	11,494.48	17.51	20.33	75.62	274.89	-941.89	810.80	775.07	35.73	22.692	
11,750.00	11,717.40	11,670.38	11,513.71	17.51	20.34	73.67	253.49	-941.70	819.48	783.59	35.89	22.831	
11,800.00	11,764.55	11,700.00	11,532.35	17.52	20.35	71.76	230.48	-941.50	828.45	792.38	36.06	22.971	
11,850.00	11,810.08	11,727.27	11,548.44	17.52	20.36	70.01	208.48	-941.31	837.51	801.22	36.29	23.080	
11,900.00	11,853.63	11,750.00	11,561.05	17.52	20.38	68.47	189.56	-941.15	846.53	809.96	36.57	23.149	
11,950.00	11,894.88	11,783.45	11,578.20	17.53	20.40	66.75	160.85	-940.90	855.29	818.51	36.78	23.256	
12,000.00	11,933.52	11,811.34	11,591.21	17.53	20.43	65.30	136.18	-940.69	863.72	826.67	37.05	23.311	
12,050.00	11,969.24	11,839.12	11,602.95	17.53	20.47	63.98	111.01	-940.47	871.67	834.33	37.34	23.343	
12,100.00	12,001.78	11,866.81	11,613.43	17.53	20.50	62.80	85.38	-940.25	879.03	841.38	37.65	23.350	
12,150.00	12,030.89	11,900.00	11,624.34	17.53	20.56	61.67	54.04	-939.98	885.74	847.82	37.91	23.362	
12,200.00	12,056.34	11,921.96	11,630.55	17.53	20.60	60.86	32.99	-939.80	891.61	853.33	38.28	23.293	
12,250.00	12,077.95	11,950.00	11,637.30	17.54	20.66	60.10	5.77	-939.57	896.66	858.07	38.59	23.235	
12,300.00	12,095.55	11,976.88	11,642.52	17.55	20.72	59.49	-20.60	-939.34	900.81	861.90	38.91	23.148	
12,350.00	12,109.01	12,000.00	11,646.01	17.56	20.77	59.06	-43.45	-939.14	904.02	864.78	39.25	23.034	
12,400.00	12,118.22	12,031.68	11,649.30	17.58	20.86	58.72	-74.95	-938.87	906.21	866.68	39.53	22.926	
12,450.00	12,123.11	12,059.05	11,650.73	17.60	20.94	58.55	-102.28	-938.64	907.40	867.59	39.81	22.792	
12,476.17	12,123.94	12,075.84	11,650.98	17.61	20.99	58.52	-119.07	-938.49	907.61	867.67	39.94	22.726	
12,500.00	12,124.14	12,099.67	11,651.19	17.62	21.07	58.52	-142.90	-938.29	907.61	867.59	40.02	22.679	
12,600.00	12,125.02	12,199.67	11,652.06	17.69	21.42	58.52	-242.89	-937.43	907.61	867.13	40.48	22.420	
12,700.00	12,125.89	12,299.67	11,652.92	17.79	21.84	58.52	-342.88	-936.57	907.61	866.54	41.08	22.096	
12,800.00	12,126.76	12,399.67	11,653.79	17.95	22.31	58.52	-442.88	-935.71	907.62	865.82	41.80	21.714	
12,900.00	12,127.63	12,499.67	11,654.65	18.21	22.84	58.52	-542.87	-934.85	907.62	864.98	42.64	21.285	
13,000.00	12,128.50	12,599.67	11,655.52	18.61	23.41	58.52	-642.86	-933.99	907.62	864.02	43.60	20.817	
13,100.00	12,129.37	12,699.67	11,656.39	19.18	24.05	58.52	-742.85	-933.12	907.63	862.96	44.66	20.321	
13,200.00	12,130.24	12,799.67	11,657.25	19.87	24.73	58.52	-842.85	-932.26	907.63	861.80	45.83	19.805	
13,300.00	12,131.11	12,899.67	11,658.12	20.66	25.45	58.52	-942.84	-931.40	907.63	860.55	47.09	19.276	
13,400.00	12,131.99	12,999.67	11,658.98	21.53	26.23	58.52	-1,042.83	-930.54	907.63	859.21	48.43	18.743	
13,500.00	12,132.86	13,099.67	11,659.85	22.45	27.04	58.52	-1,142.82	-929.68	907.64	857.79	49.85	18.209	
13,600.00	12,133.73	13,199.67	11,660.72	23.43	27.90	58.52	-1,242.82	-928.82	907.64	856.30	51.34	17.680	
13,700.00	12,134.60	13,299.67	11,661.58	24.44	28.79	58.52	-1,342.81	-927.96	907.64	854.75	52.89	17.160	
13,800.00	12,135.47	13,399.67	11,662.45	25.50	29.72	58.52	-1,442.80	-927.10	907.65	853.14	54.51	16.651	

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 135H
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 135H	**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	12,136.34	13,499.67	11,663.31	26.58	30.68	58.51	-1,542.79	-926.24	907.65	851.47	56.18	16.156	
14,000.00	12,137.21	13,599.67	11,664.18	27.69	31.67	58.51	-1,642.79	-925.38	907.65	849.75	57.90	15.676	
14,100.00	12,138.08	13,699.67	11,665.05	28.82	32.69	58.51	-1,742.78	-924.52	907.66	847.99	59.67	15.212	
14,200.00	12,138.96	13,799.67	11,665.91	29.98	33.73	58.51	-1,842.77	-923.66	907.66	846.18	61.48	14.765	
14,300.00	12,139.83	13,899.67	11,666.78	31.15	34.79	58.51	-1,942.76	-922.80	907.66	844.34	63.32	14.334	
14,400.00	12,140.70	13,999.67	11,667.64	32.33	35.87	58.51	-2,042.76	-921.93	907.66	842.46	65.20	13.921	
14,500.00	12,141.57	14,099.67	11,668.51	33.54	36.98	58.51	-2,142.75	-921.07	907.67	840.55	67.12	13.524	
14,600.00	12,142.44	14,199.67	11,669.38	34.75	38.10	58.51	-2,242.74	-920.21	907.67	838.61	69.06	13.144	
14,700.00	12,143.31	14,299.67	11,670.24	35.98	39.23	58.51	-2,342.73	-919.35	907.67	836.65	71.03	12.779	
14,800.00	12,144.18	14,399.67	11,671.11	37.21	40.38	58.51	-2,442.73	-918.49	907.68	834.65	73.02	12.430	
14,900.00	12,145.05	14,499.67	11,671.97	38.46	41.54	58.51	-2,542.72	-917.63	907.68	832.64	75.04	12.096	
15,000.00	12,145.93	14,599.67	11,672.84	39.71	42.72	58.51	-2,642.71	-916.77	907.68	830.61	77.08	11.777	
15,100.00	12,146.80	14,699.67	11,673.71	40.97	43.91	58.51	-2,742.70	-915.91	907.68	828.55	79.13	11.471	
15,200.00	12,147.67	14,799.67	11,674.57	42.24	45.11	58.51	-2,842.70	-915.05	907.69	826.48	81.21	11.178	
15,300.00	12,148.54	14,899.67	11,675.44	43.51	46.31	58.51	-2,942.69	-914.19	907.69	824.39	83.30	10.897	
15,400.00	12,149.41	14,999.67	11,676.30	44.79	47.53	58.51	-3,042.68	-913.33	907.69	822.29	85.40	10.628	
15,500.00	12,150.28	15,099.67	11,677.17	46.08	48.75	58.51	-3,142.67	-912.47	907.70	820.17	87.52	10.371	
15,600.00	12,151.15	15,199.67	11,678.04	47.37	49.99	58.51	-3,242.67	-911.61	907.70	818.04	89.66	10.124	
15,700.00	12,152.02	15,299.67	11,678.90	48.66	51.22	58.51	-3,342.66	-910.75	907.70	815.90	91.80	9.887	
15,800.00	12,152.90	15,399.67	11,679.77	49.96	52.47	58.51	-3,442.65	-909.88	907.71	813.74	93.96	9.660	
15,900.00	12,153.77	15,499.67	11,680.63	51.26	53.72	58.51	-3,542.64	-909.02	907.71	811.58	96.13	9.443	
16,000.00	12,154.64	15,599.67	11,681.50	52.57	54.98	58.51	-3,642.64	-908.16	907.71	809.40	98.31	9.233	
16,100.00	12,155.51	15,699.67	11,682.37	53.88	56.24	58.51	-3,742.63	-907.30	907.71	807.22	100.49	9.032	
16,200.00	12,156.38	15,799.67	11,683.23	55.19	57.51	58.51	-3,842.62	-906.44	907.72	805.03	102.69	8.839	
16,300.00	12,157.25	15,899.67	11,684.10	56.50	58.78	58.51	-3,942.62	-905.58	907.72	802.83	104.89	8.654	
16,400.00	12,158.12	15,999.67	11,684.96	57.82	60.06	58.51	-4,042.61	-904.72	907.72	800.62	107.11	8.475	
16,500.00	12,158.99	16,099.67	11,685.83	59.14	61.34	58.51	-4,142.60	-903.86	907.73	798.40	109.33	8.303	
16,600.00	12,159.87	16,199.67	11,686.70	60.46	62.63	58.51	-4,242.59	-903.00	907.73	796.18	111.55	8.137	
16,700.00	12,160.74	16,299.67	11,687.56	61.79	63.91	58.51	-4,342.59	-902.14	907.73	793.95	113.78	7.978	
16,800.00	12,161.61	16,399.67	11,688.43	63.11	65.21	58.51	-4,442.58	-901.28	907.73	791.71	116.02	7.824	
16,900.00	12,162.48	16,499.67	11,689.29	64.44	66.50	58.51	-4,542.57	-900.42	907.74	789.47	118.26	7.675	
17,000.00	12,163.35	16,599.67	11,690.16	65.77	67.80	58.51	-4,642.56	-899.56	907.74	787.23	120.51	7.532	
17,100.00	12,164.22	16,699.67	11,691.03	67.10	69.10	58.51	-4,742.56	-898.69	907.74	784.98	122.77	7.394	
17,200.00	12,165.09	16,799.67	11,691.89	68.43	70.40	58.51	-4,842.55	-897.83	907.75	782.72	125.03	7.260	
17,300.00	12,165.96	16,899.67	11,692.76	69.77	71.71	58.51	-4,942.54	-896.97	907.75	780.46	127.29	7.131	
17,400.00	12,166.84	16,999.67	11,693.62	71.10	73.02	58.51	-5,042.53	-896.11	907.75	778.20	129.56	7.007	
17,500.00	12,167.71	17,099.67	11,694.49	72.44	74.33	58.50	-5,142.53	-895.25	907.76	775.93	131.83	6.886	
17,600.00	12,168.58	17,199.67	11,695.36	73.78	75.64	58.50	-5,242.52	-894.39	907.76	773.65	134.10	6.769	
17,700.00	12,169.45	17,299.67	11,696.22	75.12	76.96	58.50	-5,342.51	-893.53	907.76	771.38	136.38	6.656	
17,800.00	12,170.32	17,399.67	11,697.09	76.46	78.27	58.50	-5,442.50	-892.67	907.76	769.10	138.67	6.546	
17,900.00	12,171.19	17,499.67	11,697.95	77.80	79.59	58.50	-5,542.50	-891.81	907.77	766.82	140.95	6.440	
18,000.00	12,172.06	17,599.67	11,698.82	79.14	80.91	58.50	-5,642.49	-890.95	907.77	764.53	143.24	6.337	
18,100.00	12,172.93	17,699.67	11,699.69	80.48	82.23	58.50	-5,742.48	-890.09	907.77	762.24	145.53	6.238	
18,200.00	12,173.81	17,799.67	11,700.55	81.83	83.56	58.50	-5,842.47	-889.23	907.78	759.95	147.83	6.141	
18,300.00	12,174.68	17,899.67	11,701.42	83.17	84.88	58.50	-5,942.47	-888.37	907.78	757.65	150.12	6.047	
18,400.00	12,175.55	17,999.67	11,702.28	84.52	86.21	58.50	-6,042.46	-887.51	907.78	755.36	152.42	5.956	
18,500.00	12,176.42	18,099.67	11,703.15	85.86	87.53	58.50	-6,142.45	-886.64	907.78	753.06	154.73	5.867	
18,600.00	12,177.29	18,199.67	11,704.02	87.21	88.86	58.50	-6,242.44	-885.78	907.79	750.76	157.03	5.781	
18,700.00	12,178.16	18,299.67	11,704.88	88.56	90.19	58.50	-6,342.44	-884.92	907.79	748.45	159.34	5.697	
18,800.00	12,179.03	18,399.67	11,705.75	89.91	91.52	58.50	-6,442.43	-884.06	907.79	746.14	161.65	5.616	
18,900.00	12,179.90	18,499.67	11,706.61	91.26	92.86	58.50	-6,542.42	-883.20	907.80	743.84	163.96	5.537	
19,000.00	12,180.78	18,599.67	11,707.48	92.61	94.19	58.50	-6,642.41	-882.34	907.80	741.53	166.27	5.460	

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 135H
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 135H	**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	12,181.65	18,699.67	11,708.35	93.96	95.53	58.50	-6,742.41	-881.48	907.80	739.21	168.59	5.385	
19,200.00	12,182.52	18,799.67	11,709.21	95.31	96.86	58.50	-6,842.40	-880.62	907.81	736.90	170.91	5.312	
19,300.00	12,183.39	18,899.67	11,710.08	96.66	98.20	58.50	-6,942.39	-879.76	907.81	734.58	173.23	5.241	
19,400.00	12,184.26	18,999.67	11,710.94	98.01	99.53	58.50	-7,042.38	-878.90	907.81	732.27	175.55	5.171	
19,500.00	12,185.13	19,099.67	11,711.81	99.36	100.87	58.50	-7,142.38	-878.04	907.81	729.95	177.87	5.104	
19,600.00	12,186.00	19,199.67	11,712.68	100.72	102.21	58.50	-7,242.37	-877.18	907.82	727.62	180.19	5.038	
19,700.00	12,186.87	19,299.67	11,713.54	102.07	103.55	58.50	-7,342.36	-876.32	907.82	725.30	182.52	4.974	
19,800.00	12,187.75	19,399.67	11,714.41	103.42	104.89	58.50	-7,442.35	-875.46	907.82	722.98	184.84	4.911	
19,900.00	12,188.62	19,499.67	11,715.27	104.78	106.23	58.50	-7,542.35	-874.59	907.83	720.65	187.17	4.850	
20,000.00	12,189.49	19,599.67	11,716.14	106.13	107.58	58.50	-7,642.34	-873.73	907.83	718.33	189.50	4.791	
20,100.00	12,190.36	19,699.67	11,717.01	107.49	108.92	58.50	-7,742.33	-872.87	907.83	716.00	191.83	4.732	
20,200.00	12,191.23	19,799.67	11,717.87	108.84	110.26	58.50	-7,842.32	-872.01	907.83	713.67	194.17	4.676	
20,300.00	12,192.10	19,899.67	11,718.74	110.20	111.61	58.50	-7,942.32	-871.15	907.84	711.34	196.50	4.620	
20,400.00	12,192.97	19,999.67	11,719.60	111.55	112.95	58.50	-8,042.31	-870.29	907.84	709.01	198.83	4.566	
20,500.00	12,193.85	20,099.67	11,720.47	112.91	114.30	58.50	-8,142.30	-869.43	907.84	706.68	201.17	4.513	
20,600.00	12,194.72	20,199.67	11,721.34	114.27	115.64	58.50	-8,242.29	-868.57	907.85	704.34	203.50	4.461	
20,700.00	12,195.59	20,299.67	11,722.20	115.62	116.99	58.50	-8,342.29	-867.71	907.85	702.01	205.84	4.410	
20,800.00	12,196.46	20,399.67	11,723.07	116.98	118.34	58.50	-8,442.28	-866.85	907.85	699.67	208.18	4.361	
20,900.00	12,197.33	20,499.67	11,723.93	118.34	119.69	58.50	-8,542.27	-865.99	907.86	697.34	210.52	4.312	
21,000.00	12,198.20	20,599.67	11,724.80	119.70	121.03	58.50	-8,642.26	-865.13	907.86	695.00	212.86	4.265	
21,100.00	12,199.07	20,699.67	11,725.67	121.05	122.38	58.49	-8,742.26	-864.27	907.86	692.66	215.20	4.219	
21,200.00	12,199.94	20,799.67	11,726.53	122.41	123.73	58.49	-8,842.25	-863.40	907.86	690.32	217.54	4.173	
21,300.00	12,200.82	20,899.67	11,727.40	123.77	125.08	58.49	-8,942.24	-862.54	907.87	687.98	219.89	4.129	
21,400.00	12,201.69	20,999.67	11,728.26	125.13	126.43	58.49	-9,042.24	-861.68	907.87	685.64	222.23	4.085	
21,500.00	12,202.56	21,099.67	11,729.13	126.49	127.78	58.49	-9,142.23	-860.82	907.87	683.30	224.58	4.043	
21,600.00	12,203.43	21,199.67	11,730.00	127.85	129.13	58.49	-9,242.22	-859.96	907.88	680.95	226.92	4.001	
21,700.00	12,204.30	21,299.67	11,730.86	129.21	130.48	58.49	-9,342.21	-859.10	907.88	678.61	229.27	3.960	
21,800.00	12,205.17	21,399.67	11,731.73	130.57	131.84	58.49	-9,442.21	-858.24	907.88	676.27	231.62	3.920	
21,900.00	12,206.04	21,499.67	11,732.59	131.93	133.19	58.49	-9,542.20	-857.38	907.89	673.92	233.96	3.880	
22,000.00	12,206.91	21,599.67	11,733.46	133.29	134.54	58.49	-9,642.19	-856.52	907.89	671.58	236.31	3.842	
22,100.00	12,207.79	21,699.67	11,734.33	134.65	135.89	58.49	-9,742.18	-855.66	907.89	669.23	238.66	3.804	
22,200.00	12,208.66	21,799.67	11,735.19	136.01	137.25	58.49	-9,842.18	-854.80	907.89	666.88	241.01	3.767	
22,300.00	12,209.53	21,899.67	11,736.06	137.37	138.60	58.49	-9,942.17	-853.94	907.90	664.54	243.36	3.731	
22,400.00	12,210.40	21,999.67	11,736.92	138.73	139.83	58.49	-10,042.16	-853.08	907.90	662.34	245.56	3.697	
22,400.01	12,210.40	21,999.68	11,736.92	138.73	139.83	58.49	-10,042.17	-853.08	907.90	662.34	245.56	3.697	
22,411.61	12,210.50	22,008.51	11,737.00	138.89	139.94	58.49	-10,051.00	-853.00	907.90	662.07	245.84	3.693	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 135H
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 135H	**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	210.00	0.00	210.00				
100.00	100.00	100.00	100.00	0.98	0.98	0.00	210.00	0.00	210.00	208.04	1.96	107.024	
200.00	200.00	200.00	200.00	1.56	1.56	0.00	210.00	0.00	210.00	206.88	3.12	67.259	
300.00	300.00	300.00	300.00	1.98	1.98	0.00	210.00	0.00	210.00	206.04	3.96	52.999	CC, ES
400.00	400.00	397.00	396.99	2.33	2.40	0.28	210.69	1.02	210.71	206.04	4.67	45.091	
500.00	500.00	493.88	493.80	2.63	2.76	1.10	212.75	4.08	212.88	207.58	5.30	40.197	
600.00	600.00	590.51	590.23	2.91	3.09	2.43	216.16	9.16	216.58	210.72	5.86	36.942	
700.00	700.00	688.68	688.05	3.16	3.24	4.16	220.81	16.06	221.71	215.45	6.27	35.379	
800.00	800.00	788.30	787.29	3.40	3.48	5.89	225.65	23.27	227.20	220.45	6.75	33.656	
900.00	899.99	887.94	886.55	3.68	3.72	27.88	230.50	30.47	231.74	224.47	7.26	31.898	
1,000.00	999.91	987.56	985.79	3.94	3.96	29.90	235.35	37.68	234.22	226.46	7.75	30.204	
1,100.00	1,099.77	1,087.15	1,085.00	4.15	4.18	32.05	240.19	44.88	235.88	227.69	8.19	28.803	
1,200.00	1,199.63	1,186.74	1,184.21	4.35	4.41	34.18	245.04	52.08	237.87	229.26	8.61	27.614	
1,250.43	1,250.00	1,236.97	1,234.25	4.40	4.52	35.23	247.48	55.71	239.00	230.23	8.78	27.236	
1,300.00	1,299.48	1,286.32	1,283.41	4.45	4.63	36.30	249.88	59.28	239.93	231.00	8.93	26.854	
1,400.00	1,399.17	1,385.79	1,382.51	4.69	4.84	38.72	254.72	66.47	240.53	231.16	9.37	25.657	
1,500.00	1,498.62	1,485.08	1,481.42	4.93	5.05	41.54	259.55	73.65	239.60	229.80	9.80	24.438	
1,550.47	1,548.70	1,535.10	1,531.24	4.99	5.16	43.13	261.98	77.27	238.63	228.66	9.96	23.948	
1,600.00	1,597.81	1,584.15	1,580.11	5.05	5.26	44.75	264.37	80.82	237.62	227.50	10.12	23.481	
1,700.00	1,696.95	1,683.19	1,678.77	5.25	5.47	48.05	269.19	87.98	236.18	225.66	10.52	22.454	
1,800.00	1,796.09	1,782.23	1,777.43	5.44	5.67	51.38	274.01	95.14	235.55	224.64	10.91	21.582	
1,827.69	1,823.55	1,809.65	1,804.75	5.50	5.73	52.31	275.34	97.13	235.52	224.50	11.02	21.366	
1,900.00	1,895.24	1,881.26	1,876.09	5.64	5.87	54.72	278.82	102.30	235.73	224.42	11.31	20.850	
2,000.00	1,994.38	1,980.30	1,974.75	5.83	6.07	58.04	283.64	109.47	236.72	225.03	11.69	20.242	
2,100.00	2,093.53	2,079.33	2,073.41	6.03	6.27	61.32	288.46	116.63	238.52	226.44	12.08	19.746	
2,200.00	2,192.67	2,178.37	2,172.07	6.22	6.48	64.54	293.28	123.79	241.10	228.63	12.47	19.335	
2,300.00	2,291.82	2,273.17	2,266.45	6.42	6.68	67.57	298.21	131.13	245.05	232.20	12.85	19.076	
2,400.00	2,390.96	2,366.00	2,358.65	6.61	6.89	70.49	304.26	140.11	252.04	238.81	13.22	19.063	
2,500.00	2,490.11	2,458.39	2,450.12	6.81	7.10	73.26	311.51	150.89	262.13	248.53	13.59	19.286	
2,600.00	2,589.25	2,551.00	2,541.46	7.00	7.27	75.84	320.01	163.53	275.23	261.31	13.91	19.781	
2,700.00	2,688.39	2,649.17	2,638.15	7.20	7.45	78.32	329.53	177.67	289.82	275.55	14.27	20.313	
2,800.00	2,787.54	2,747.35	2,734.83	7.39	7.66	80.57	339.04	191.81	304.91	290.26	14.65	20.818	
2,900.00	2,886.68	2,845.52	2,831.51	7.59	7.86	82.60	348.56	205.96	320.41	305.38	15.02	21.327	
3,000.00	2,985.83	2,943.70	2,928.20	7.78	8.06	84.44	358.07	220.10	336.27	320.87	15.40	21.834	
3,100.00	3,084.97	3,041.87	3,024.88	7.98	8.26	86.12	367.59	234.25	352.45	336.67	15.78	22.336	
3,200.00	3,184.12	3,140.05	3,121.57	8.17	8.47	87.65	377.11	248.39	368.89	352.74	16.16	22.831	
3,300.00	3,283.26	3,238.22	3,218.25	8.36	8.67	89.05	386.62	262.53	385.58	369.04	16.54	23.317	
3,400.00	3,382.40	3,336.40	3,314.93	8.56	8.87	90.34	396.14	276.68	402.47	385.55	16.92	23.793	
3,500.00	3,481.55	3,434.57	3,411.62	8.75	9.07	91.52	405.65	290.82	419.54	402.24	17.30	24.257	
3,600.00	3,580.69	3,532.75	3,508.30	8.95	9.28	92.61	415.17	304.97	436.77	419.10	17.68	24.710	
3,700.00	3,679.84	3,630.93	3,604.98	9.14	9.48	93.61	424.68	319.11	454.15	436.09	18.06	25.152	
3,800.00	3,778.98	3,733.51	3,706.04	9.33	9.69	94.59	434.52	333.74	471.49	453.04	18.46	25.544	
3,900.00	3,878.13	3,845.19	3,816.47	9.53	9.94	95.68	443.84	347.58	486.85	467.93	18.91	25.742	
4,000.00	3,977.27	3,957.56	3,928.01	9.72	10.18	96.84	451.39	358.80	499.63	480.28	19.35	25.824	
4,100.00	4,076.42	4,070.43	4,040.41	9.91	10.41	98.08	457.13	367.33	509.86	490.10	19.76	25.802	
4,200.00	4,175.56	4,183.60	4,153.36	10.11	10.63	99.41	461.02	373.11	517.58	497.43	20.15	25.688	
4,300.00	4,274.70	4,296.87	4,266.57	10.30	10.83	100.86	463.04	376.12	522.83	502.32	20.51	25.495	
4,400.00	4,373.85	4,404.15	4,373.85	10.49	10.91	102.33	463.35	376.58	525.93	505.19	20.74	25.354	
4,500.00	4,472.99	4,503.30	4,472.99	10.69	10.99	103.70	463.35	376.58	528.90	507.90	21.00	25.187	
4,600.00	4,572.14	4,602.44	4,572.14	10.88	11.08	105.06	463.35	376.58	532.16	510.91	21.25	25.038	
4,700.00	4,671.28	4,701.59	4,671.28	11.08	11.16	106.39	463.35	376.58	535.73	514.22	21.51	24.903	
4,702.13	4,673.39	4,703.70	4,673.39	11.08	11.16	106.42	463.35	376.58	535.81	514.29	21.52	24.901	

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 135H
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 135H	**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
4,800.00	4,770.58	4,800.88	4,770.58	11.28	11.24	107.64	463.35	376.58	539.21	517.45	21.76	24.778	
4,900.00	4,870.15	4,900.46	4,870.15	11.48	11.32	108.60	463.35	376.58	542.08	520.08	22.00	24.641	
5,000.00	4,969.93	5,000.23	4,969.93	11.67	11.41	109.29	463.35	376.58	544.23	522.01	22.22	24.491	
5,100.00	5,069.85	5,100.15	5,069.85	11.85	11.49	109.70	463.35	376.58	545.56	523.13	22.43	24.325	
5,200.00	5,169.84	5,200.14	5,169.84	11.99	11.57	109.85	463.35	376.58	546.02	523.41	22.61	24.145	
5,202.16	5,172.00	5,202.30	5,172.00	12.00	11.58	89.61	463.35	376.58	546.02	523.40	22.62	24.140	
5,300.00	5,269.84	5,300.14	5,269.84	12.08	11.66	89.61	463.35	376.58	546.02	523.24	22.78	23.964	
5,400.00	5,369.84	5,400.14	5,369.84	12.17	11.74	89.61	463.35	376.58	546.02	523.07	22.96	23.785	
5,500.00	5,469.84	5,500.14	5,469.84	12.26	11.82	89.61	463.35	376.58	546.02	522.89	23.13	23.609	
5,600.00	5,569.84	5,600.14	5,569.84	12.34	11.91	89.61	463.35	376.58	546.02	522.72	23.30	23.435	
5,700.00	5,669.84	5,700.14	5,669.84	12.43	11.99	89.61	463.35	376.58	546.02	522.55	23.47	23.264	
5,800.00	5,769.84	5,800.14	5,769.84	12.52	12.07	89.61	463.35	376.58	546.02	522.38	23.64	23.095	
5,900.00	5,869.84	5,900.14	5,869.84	12.61	12.16	89.61	463.35	376.58	546.02	522.21	23.81	22.929	
6,000.00	5,969.84	6,000.14	5,969.84	12.69	12.24	89.61	463.35	376.58	546.02	522.04	23.98	22.766	
6,100.00	6,069.84	6,100.14	6,069.84	12.78	12.32	89.61	463.35	376.58	546.02	521.87	24.16	22.605	
6,200.00	6,169.84	6,200.14	6,169.84	12.87	12.40	89.61	463.35	376.58	546.02	521.70	24.33	22.446	
6,300.00	6,269.84	6,300.14	6,269.84	12.96	12.49	89.61	463.35	376.58	546.02	521.53	24.50	22.290	
6,400.00	6,369.84	6,400.14	6,369.84	13.04	12.57	89.61	463.35	376.58	546.02	521.36	24.67	22.135	
6,500.00	6,469.84	6,500.14	6,469.84	13.13	12.65	89.61	463.35	376.58	546.02	521.18	24.84	21.984	
6,600.00	6,569.84	6,600.14	6,569.84	13.22	12.74	89.61	463.35	376.58	546.02	521.01	25.01	21.834	
6,700.00	6,669.84	6,700.14	6,669.84	13.30	12.82	89.61	463.35	376.58	546.02	520.84	25.18	21.686	
6,800.00	6,769.84	6,800.14	6,769.84	13.39	12.90	89.61	463.35	376.58	546.02	520.67	25.35	21.540	
6,900.00	6,869.84	6,900.14	6,869.84	13.48	12.99	89.61	463.35	376.58	546.02	520.50	25.52	21.397	
7,000.00	6,969.84	7,000.14	6,969.84	13.56	13.07	89.61	463.35	376.58	546.02	520.33	25.69	21.255	
7,100.00	7,069.84	7,100.14	7,069.84	13.65	13.15	89.61	463.35	376.58	546.02	520.16	25.86	21.116	
7,200.00	7,169.84	7,200.14	7,169.84	13.74	13.24	89.61	463.35	376.58	546.02	519.99	26.03	20.978	
7,300.00	7,269.84	7,300.14	7,269.84	13.82	13.32	89.61	463.35	376.58	546.02	519.82	26.20	20.842	
7,400.00	7,369.84	7,400.14	7,369.84	13.91	13.40	89.61	463.35	376.58	546.02	519.65	26.37	20.708	
7,500.00	7,469.84	7,500.14	7,469.84	14.00	13.48	89.61	463.35	376.58	546.02	519.48	26.54	20.575	
7,600.00	7,569.84	7,600.14	7,569.84	14.08	13.57	89.61	463.35	376.58	546.02	519.32	26.71	20.445	
7,700.00	7,669.84	7,700.14	7,669.84	14.17	13.65	89.61	463.35	376.58	546.02	519.15	26.88	20.316	
7,800.00	7,769.84	7,800.14	7,769.84	14.26	13.73	89.61	463.35	376.58	546.02	518.98	27.05	20.189	
7,900.00	7,869.84	7,900.14	7,869.84	14.34	13.82	89.61	463.35	376.58	546.02	518.81	27.22	20.063	
8,000.00	7,969.84	8,000.14	7,969.84	14.43	13.90	89.61	463.35	376.58	546.02	518.64	27.38	19.939	
8,100.00	8,069.84	8,100.14	8,069.84	14.51	13.98	89.61	463.35	376.58	546.02	518.47	27.55	19.817	
8,200.00	8,169.84	8,200.14	8,169.84	14.60	14.07	89.61	463.35	376.58	546.02	518.30	27.72	19.696	
8,300.00	8,269.84	8,300.14	8,269.84	14.69	14.15	89.61	463.35	376.58	546.02	518.13	27.89	19.577	
8,400.00	8,369.84	8,400.14	8,369.84	14.77	14.23	89.61	463.35	376.58	546.02	517.96	28.06	19.459	
8,500.00	8,469.84	8,500.14	8,469.84	14.86	14.31	89.61	463.35	376.58	546.02	517.79	28.23	19.342	
8,600.00	8,569.84	8,600.14	8,569.84	14.94	14.40	89.61	463.35	376.58	546.02	517.62	28.40	19.227	
8,700.00	8,669.84	8,700.14	8,669.84	15.03	14.48	89.61	463.35	376.58	546.02	517.46	28.57	19.114	
8,800.00	8,769.84	8,800.14	8,769.84	15.12	14.56	89.61	463.35	376.58	546.02	517.29	28.74	19.002	
8,900.00	8,869.84	8,900.14	8,869.84	15.20	14.65	89.61	463.35	376.58	546.02	517.12	28.90	18.891	
9,000.00	8,969.84	9,000.14	8,969.84	15.29	14.73	89.61	463.35	376.58	546.02	516.95	29.07	18.781	
9,100.00	9,069.84	9,100.14	9,069.84	15.37	14.81	89.61	463.35	376.58	546.02	516.78	29.24	18.673	
9,200.00	9,169.84	9,200.14	9,169.84	15.46	14.90	89.61	463.35	376.58	546.02	516.61	29.41	18.566	
9,300.00	9,269.84	9,300.14	9,269.84	15.54	14.98	89.61	463.35	376.58	546.02	516.44	29.58	18.461	
9,400.00	9,369.84	9,400.14	9,369.84	15.63	15.06	89.61	463.35	376.58	546.02	516.28	29.75	18.356	
9,500.00	9,469.84	9,500.14	9,469.84	15.71	15.14	89.61	463.35	376.58	546.02	516.11	29.91	18.253	
9,600.00	9,569.84	9,600.14	9,569.84	15.80	15.23	89.61	463.35	376.58	546.02	515.94	30.08	18.151	
9,700.00	9,669.84	9,700.14	9,669.84	15.89	15.31	89.61	463.35	376.58	546.02	515.77	30.25	18.050	
9,800.00	9,769.84	9,800.14	9,769.84	15.97	15.39	89.61	463.35	376.58	546.02	515.60	30.42	17.950	

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 135H
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 135H	**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	9,869.84	9,900.14	9,869.84	16.06	15.48	89.61	463.35	376.58	546.02	515.44	30.59	17.852	
10,000.00	9,969.84	10,000.14	9,969.84	16.14	15.56	89.61	463.35	376.58	546.02	515.27	30.75	17.754	
10,100.00	10,069.84	10,100.14	10,069.84	16.23	15.64	89.61	463.35	376.58	546.02	515.10	30.92	17.658	
10,200.00	10,169.84	10,200.14	10,169.84	16.31	15.72	89.61	463.35	376.58	546.02	514.93	31.09	17.562	
10,300.00	10,269.84	10,300.14	10,269.84	16.40	15.81	89.61	463.35	376.58	546.02	514.76	31.26	17.468	
10,400.00	10,369.84	10,400.14	10,369.84	16.48	15.89	89.61	463.35	376.58	546.02	514.60	31.43	17.375	
10,500.00	10,469.84	10,500.14	10,469.84	16.57	15.97	89.61	463.35	376.58	546.02	514.43	31.59	17.283	
10,600.00	10,569.84	10,600.14	10,569.84	16.65	16.06	89.61	463.35	376.58	546.02	514.26	31.76	17.191	
10,700.00	10,669.84	10,700.14	10,669.84	16.74	16.14	89.61	463.35	376.58	546.02	514.09	31.93	17.101	
10,800.00	10,769.84	10,800.14	10,769.84	16.82	16.22	89.61	463.35	376.58	546.02	513.93	32.10	17.012	
10,900.00	10,869.84	10,900.14	10,869.84	16.91	16.30	89.61	463.35	376.58	546.02	513.76	32.26	16.924	
11,000.00	10,969.84	11,000.14	10,969.84	16.99	16.39	89.61	463.35	376.58	546.02	513.59	32.43	16.836	
11,100.00	11,069.84	11,100.14	11,069.84	17.08	16.47	89.61	463.35	376.58	546.02	513.42	32.60	16.747	
11,104.58	11,074.41	11,104.72	11,074.41	17.08	16.48	89.61	463.35	376.58	546.02	513.41	32.61	16.743	
11,200.00	11,169.84	11,199.16	11,168.45	17.16	16.52	90.40	455.84	376.64	546.09	513.42	32.67	16.717	
11,300.00	11,269.84	11,292.91	11,259.33	17.25	16.56	92.77	433.23	376.84	547.01	514.34	32.67	16.744	
11,400.00	11,369.84	11,377.41	11,337.10	17.33	16.62	96.19	400.40	377.12	550.73	518.02	32.70	16.840	
11,500.00	11,469.84	11,450.00	11,399.45	17.42	16.67	99.99	363.32	377.44	559.73	526.81	32.92	17.003	
11,581.16	11,551.00	11,500.00	11,439.44	17.48	16.71	103.00	333.33	377.70	572.49	539.15	33.34	17.172	
11,600.00	11,569.83	11,513.55	11,449.81	17.48	16.72	-75.30	324.62	377.77	576.18	542.75	33.43	17.235	
11,650.00	11,619.67	11,542.85	11,471.52	17.49	16.74	-72.52	304.94	377.94	586.69	552.91	33.77	17.371	
11,700.00	11,668.99	11,571.84	11,491.98	17.51	16.77	-69.84	284.41	378.12	597.98	563.80	34.18	17.494	
11,750.00	11,717.40	11,600.00	11,510.83	17.51	16.80	-67.29	263.50	378.30	609.79	575.14	34.65	17.597	
11,800.00	11,764.55	11,629.05	11,529.18	17.52	16.83	-64.82	240.98	378.49	621.85	586.69	35.16	17.688	
11,850.00	11,810.08	11,650.00	11,541.70	17.52	16.85	-62.82	224.18	378.64	633.99	598.18	35.81	17.704	
11,900.00	11,853.63	11,685.47	11,561.45	17.52	16.90	-60.43	194.73	378.89	645.80	609.53	36.27	17.806	
11,950.00	11,894.88	11,713.44	11,575.73	17.53	16.93	-58.49	170.68	379.10	657.30	620.45	36.85	17.837	
12,000.00	11,933.52	11,750.00	11,592.58	17.53	16.99	-56.50	138.25	379.38	668.34	631.03	37.31	17.912	
12,050.00	11,969.24	11,769.04	11,600.53	17.53	17.02	-55.17	120.95	379.53	678.49	640.48	38.01	17.851	
12,100.00	12,001.78	11,800.00	11,612.22	17.53	17.07	-53.72	92.28	379.78	687.93	649.40	38.53	17.855	
12,150.00	12,030.89	11,824.27	11,620.28	17.53	17.12	-52.59	69.40	379.97	696.40	657.29	39.11	17.808	
12,200.00	12,056.34	11,850.00	11,627.77	17.53	17.17	-51.59	44.78	380.18	703.86	664.23	39.63	17.761	
12,250.00	12,077.95	11,879.23	11,634.92	17.54	17.23	-50.71	16.44	380.43	710.21	670.12	40.09	17.717	
12,300.00	12,095.55	11,900.00	11,639.12	17.55	17.28	-50.09	-3.90	380.60	715.45	674.89	40.56	17.639	
12,350.00	12,109.01	11,934.02	11,644.40	17.56	17.36	-49.53	-37.50	380.89	719.35	678.45	40.90	17.586	
12,400.00	12,118.22	11,950.00	11,646.19	17.58	17.41	-49.22	-53.38	381.03	722.22	680.94	41.29	17.492	
12,450.00	12,123.11	11,988.72	11,648.69	17.60	17.52	-49.01	-92.01	381.36	723.48	681.95	41.53	17.419	
12,476.17	12,123.94	12,004.48	11,648.96	17.61	17.57	-48.98	-107.77	381.50	723.71	682.06	41.65	17.376	
12,500.00	12,124.14	12,028.31	11,649.17	17.62	17.65	-48.98	-131.59	381.70	723.71	681.98	41.73	17.342	
12,600.00	12,125.02	12,128.31	11,650.05	17.69	18.03	-48.98	-231.59	382.56	723.71	681.57	42.14	17.175	
12,700.00	12,125.89	12,228.31	11,650.93	17.79	18.50	-48.98	-331.58	383.42	723.70	681.06	42.65	16.970	
12,800.00	12,126.76	12,328.31	11,651.80	17.95	19.05	-48.98	-431.57	384.29	723.70	680.44	43.26	16.731	
12,900.00	12,127.63	12,428.31	11,652.68	18.21	19.68	-48.98	-531.56	385.15	723.70	679.73	43.96	16.462	
13,000.00	12,128.50	12,528.31	11,653.55	18.61	20.39	-48.98	-631.56	386.01	723.69	678.93	44.76	16.168	
13,100.00	12,129.37	12,628.31	11,654.43	19.18	21.17	-48.98	-731.55	386.87	723.69	678.04	45.64	15.855	
13,200.00	12,130.24	12,728.31	11,655.31	19.87	22.02	-48.98	-831.54	387.73	723.69	677.07	46.61	15.525	
13,300.00	12,131.11	12,828.31	11,656.18	20.66	22.91	-48.98	-931.53	388.59	723.68	676.02	47.66	15.185	
13,400.00	12,131.99	12,928.31	11,657.06	21.53	23.86	-48.98	-1,031.52	389.45	723.68	674.90	48.78	14.837	
13,500.00	12,132.86	13,028.31	11,657.94	22.45	24.84	-48.98	-1,131.52	390.31	723.68	673.71	49.96	14.485	
13,600.00	12,133.73	13,128.31	11,658.81	23.43	25.87	-48.98	-1,231.51	391.17	723.67	672.46	51.21	14.132	
13,700.00	12,134.60	13,228.31	11,659.69	24.44	26.92	-48.98	-1,331.50	392.03	723.67	671.15	52.52	13.780	
13,800.00	12,135.47	13,328.31	11,660.57	25.50	28.01	-48.98	-1,431.49	392.90	723.67	669.79	53.88	13.432	

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 135H
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 135H	**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	12,136.34	13,428.31	11,661.44	26.58	29.12	-48.98	-1,531.49	393.76	723.66	668.37	55.29	13.089	
14,000.00	12,137.21	13,528.31	11,662.32	27.69	30.25	-48.98	-1,631.48	394.62	723.66	666.91	56.75	12.752	
14,100.00	12,138.08	13,628.31	11,663.20	28.82	31.40	-48.98	-1,731.47	395.48	723.65	665.41	58.25	12.423	
14,200.00	12,138.96	13,728.31	11,664.07	29.98	32.57	-48.98	-1,831.46	396.34	723.65	663.86	59.79	12.103	
14,300.00	12,139.83	13,828.31	11,664.95	31.15	33.75	-48.99	-1,931.46	397.20	723.65	662.28	61.37	11.792	
14,400.00	12,140.70	13,928.31	11,665.82	32.33	34.95	-48.99	-2,031.45	398.06	723.64	660.66	62.98	11.490	
14,500.00	12,141.57	14,028.31	11,666.70	33.54	36.16	-48.99	-2,131.44	398.92	723.64	659.02	64.62	11.198	
14,600.00	12,142.44	14,128.31	11,667.58	34.75	37.38	-48.99	-2,231.43	399.78	723.64	657.34	66.30	10.915	
14,700.00	12,143.31	14,228.31	11,668.45	35.98	38.61	-48.99	-2,331.43	400.64	723.63	655.64	68.00	10.642	
14,800.00	12,144.18	14,328.31	11,669.33	37.21	39.85	-48.99	-2,431.42	401.50	723.63	653.91	69.72	10.379	
14,900.00	12,145.05	14,428.31	11,670.21	38.46	41.10	-48.99	-2,531.41	402.37	723.63	652.16	71.47	10.125	
15,000.00	12,145.93	14,528.31	11,671.08	39.71	42.36	-48.99	-2,631.40	403.23	723.62	650.38	73.24	9.880	
15,100.00	12,146.80	14,628.31	11,671.96	40.97	43.63	-48.99	-2,731.40	404.09	723.62	648.59	75.03	9.644	
15,200.00	12,147.67	14,728.31	11,672.84	42.24	44.90	-48.99	-2,831.39	404.95	723.62	646.78	76.84	9.417	
15,300.00	12,148.54	14,828.31	11,673.71	43.51	46.17	-48.99	-2,931.38	405.81	723.61	644.95	78.67	9.198	
15,400.00	12,149.41	14,928.31	11,674.59	44.79	47.45	-48.99	-3,031.37	406.67	723.61	643.10	80.51	8.988	
15,500.00	12,150.28	15,028.31	11,675.47	46.08	48.74	-48.99	-3,131.37	407.53	723.61	641.24	82.37	8.785	
15,600.00	12,151.15	15,128.31	11,676.34	47.37	50.03	-48.99	-3,231.36	408.39	723.60	639.37	84.24	8.590	
15,700.00	12,152.02	15,228.31	11,677.22	48.66	51.33	-48.99	-3,331.35	409.25	723.60	637.48	86.12	8.402	
15,800.00	12,152.90	15,328.31	11,678.09	49.96	52.62	-48.99	-3,431.34	410.11	723.60	635.58	88.02	8.221	
15,900.00	12,153.77	15,428.31	11,678.97	51.26	53.93	-48.99	-3,531.34	410.98	723.59	633.66	89.93	8.046	
16,000.00	12,154.64	15,528.31	11,679.85	52.57	55.23	-48.99	-3,631.33	411.84	723.59	631.74	91.85	7.878	
16,100.00	12,155.51	15,628.31	11,680.72	53.88	56.54	-48.99	-3,731.32	412.70	723.59	629.81	93.78	7.716	
16,200.00	12,156.38	15,728.31	11,681.60	55.19	57.85	-48.99	-3,831.31	413.56	723.58	627.87	95.72	7.559	
16,300.00	12,157.25	15,828.31	11,682.48	56.50	59.17	-48.99	-3,931.31	414.42	723.58	625.91	97.67	7.409	
16,400.00	12,158.12	15,928.31	11,683.35	57.82	60.48	-48.99	-4,031.30	415.28	723.58	623.95	99.62	7.263	
16,500.00	12,158.99	16,028.31	11,684.23	59.14	61.80	-48.99	-4,131.29	416.14	723.57	621.99	101.59	7.123	
16,600.00	12,159.87	16,128.31	11,685.11	60.46	63.12	-48.99	-4,231.28	417.00	723.57	620.01	103.56	6.987	
16,700.00	12,160.74	16,228.31	11,685.98	61.79	64.45	-48.99	-4,331.28	417.86	723.57	618.03	105.54	6.856	
16,800.00	12,161.61	16,328.31	11,686.86	63.11	65.77	-48.99	-4,431.27	418.72	723.56	616.04	107.53	6.729	
16,900.00	12,162.48	16,428.31	11,687.73	64.44	67.10	-48.99	-4,531.26	419.59	723.56	614.04	109.52	6.607	
17,000.00	12,163.35	16,528.31	11,688.61	65.77	68.43	-48.99	-4,631.25	420.45	723.56	612.04	111.52	6.488	
17,100.00	12,164.22	16,628.31	11,689.49	67.10	69.76	-48.99	-4,731.25	421.31	723.55	610.03	113.52	6.374	
17,200.00	12,165.09	16,728.31	11,690.36	68.43	71.09	-48.99	-4,831.24	422.17	723.55	608.02	115.53	6.263	
17,300.00	12,165.96	16,828.31	11,691.24	69.77	72.43	-48.99	-4,931.23	423.03	723.55	606.00	117.55	6.155	
17,400.00	12,166.84	16,928.31	11,692.12	71.10	73.76	-48.99	-5,031.22	423.89	723.54	603.98	119.57	6.051	
17,500.00	12,167.71	17,028.31	11,692.99	72.44	75.10	-49.00	-5,131.22	424.75	723.54	601.95	121.59	5.951	
17,600.00	12,168.58	17,128.31	11,693.87	73.78	76.43	-49.00	-5,231.21	425.61	723.54	599.92	123.62	5.853	
17,700.00	12,169.45	17,228.31	11,694.75	75.12	77.77	-49.00	-5,331.20	426.47	723.53	597.88	125.65	5.758	
17,800.00	12,170.32	17,328.31	11,695.62	76.46	79.11	-49.00	-5,431.19	427.33	723.53	595.84	127.69	5.666	
17,900.00	12,171.19	17,428.31	11,696.50	77.80	80.45	-49.00	-5,531.19	428.19	723.53	593.80	129.73	5.577	
18,000.00	12,172.06	17,528.31	11,697.38	79.14	81.79	-49.00	-5,631.18	429.06	723.52	591.75	131.77	5.491	
18,100.00	12,172.93	17,628.31	11,698.25	80.48	83.14	-49.00	-5,731.17	429.92	723.52	589.70	133.82	5.407	
18,200.00	12,173.81	17,728.31	11,699.13	81.83	84.48	-49.00	-5,831.16	430.78	723.52	587.65	135.87	5.325	
18,300.00	12,174.68	17,828.31	11,700.00	83.17	85.82	-49.00	-5,931.16	431.64	723.51	585.59	137.92	5.246	
18,400.00	12,175.55	17,928.31	11,700.88	84.52	87.17	-49.00	-6,031.15	432.50	723.51	583.53	139.98	5.169	
18,500.00	12,176.42	18,028.31	11,701.76	85.86	88.51	-49.00	-6,131.14	433.36	723.51	581.47	142.04	5.094	
18,600.00	12,177.29	18,128.31	11,702.63	87.21	89.86	-49.00	-6,231.13	434.22	723.50	579.40	144.10	5.021	
18,700.00	12,178.16	18,228.31	11,703.51	88.56	91.21	-49.00	-6,331.13	435.08	723.50	577.33	146.17	4.950	
18,800.00	12,179.03	18,328.31	11,704.39	89.91	92.55	-49.00	-6,431.12	435.94	723.50	575.26	148.24	4.881	
18,900.00	12,179.90	18,428.31	11,705.26	91.26	93.90	-49.00	-6,531.11	436.80	723.49	573.19	150.31	4.813	
19,000.00	12,180.78	18,528.31	11,706.14	92.61	95.25	-49.00	-6,631.10	437.67	723.49	571.11	152.38	4.748	

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 135H
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 135H	**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	12,181.65	18,628.31	11,707.02	93.96	96.60	-49.00	-6,731.09	438.53	723.49	569.03	154.45	4.684	
19,200.00	12,182.52	18,728.31	11,707.89	95.31	97.95	-49.00	-6,831.09	439.39	723.48	566.95	156.53	4.622	
19,300.00	12,183.39	18,828.31	11,708.77	96.66	99.30	-49.00	-6,931.08	440.25	723.48	564.87	158.61	4.561	
19,400.00	12,184.26	18,928.31	11,709.65	98.01	100.65	-49.00	-7,031.07	441.11	723.48	562.79	160.69	4.502	
19,500.00	12,185.13	19,028.31	11,710.52	99.36	102.01	-49.00	-7,131.06	441.97	723.47	560.70	162.77	4.445	
19,600.00	12,186.00	19,128.31	11,711.40	100.72	103.36	-49.00	-7,231.06	442.83	723.47	558.61	164.86	4.388	
19,700.00	12,186.87	19,228.31	11,712.27	102.07	104.71	-49.00	-7,331.05	443.69	723.47	556.52	166.95	4.334	
19,800.00	12,187.75	19,328.31	11,713.15	103.42	106.06	-49.00	-7,431.04	444.55	723.46	554.43	169.03	4.280	
19,900.00	12,188.62	19,428.31	11,714.03	104.78	107.42	-49.00	-7,531.03	445.41	723.46	552.34	171.12	4.228	
20,000.00	12,189.49	19,528.31	11,714.90	106.13	108.77	-49.00	-7,631.03	446.28	723.46	550.24	173.21	4.177	
20,100.00	12,190.36	19,628.31	11,715.78	107.49	110.13	-49.00	-7,731.02	447.14	723.45	548.15	175.31	4.127	
20,200.00	12,191.23	19,728.31	11,716.66	108.84	111.48	-49.00	-7,831.01	448.00	723.45	546.05	177.40	4.078	
20,300.00	12,192.10	19,828.31	11,717.53	110.20	112.84	-49.00	-7,931.00	448.86	723.45	543.95	179.50	4.030	
20,400.00	12,192.97	19,928.31	11,718.41	111.55	114.19	-49.00	-8,031.00	449.72	723.44	541.85	181.60	3.984	
20,500.00	12,193.85	20,028.31	11,719.29	112.91	115.55	-49.00	-8,130.99	450.58	723.44	539.75	183.69	3.938	
20,600.00	12,194.72	20,128.31	11,720.16	114.27	116.90	-49.00	-8,230.98	451.44	723.44	537.64	185.79	3.894	
20,700.00	12,195.59	20,228.31	11,721.04	115.62	118.26	-49.00	-8,330.97	452.30	723.43	535.54	187.89	3.850	
20,800.00	12,196.46	20,328.31	11,721.91	116.98	119.62	-49.01	-8,430.97	453.16	723.43	533.43	190.00	3.808	
20,900.00	12,197.33	20,428.31	11,722.79	118.34	120.97	-49.01	-8,530.96	454.02	723.43	531.33	192.10	3.766	
21,000.00	12,198.20	20,528.31	11,723.67	119.70	122.33	-49.01	-8,630.95	454.88	723.42	529.22	194.20	3.725	
21,100.00	12,199.07	20,628.31	11,724.54	121.05	123.69	-49.01	-8,730.94	455.75	723.42	527.11	196.31	3.685	
21,200.00	12,199.94	20,728.31	11,725.42	122.41	125.05	-49.01	-8,830.94	456.61	723.42	525.00	198.42	3.646	
21,300.00	12,200.82	20,828.31	11,726.30	123.77	126.40	-49.01	-8,930.93	457.47	723.41	522.89	200.52	3.608	
21,400.00	12,201.69	20,928.31	11,727.17	125.13	127.76	-49.01	-9,030.92	458.33	723.41	520.78	202.63	3.570	
21,500.00	12,202.56	21,028.31	11,728.05	126.49	129.12	-49.01	-9,130.91	459.19	723.41	518.66	204.74	3.533	
21,600.00	12,203.43	21,128.31	11,728.93	127.85	130.48	-49.01	-9,230.91	460.05	723.40	516.55	206.85	3.497	
21,700.00	12,204.30	21,228.31	11,729.80	129.21	131.84	-49.01	-9,330.90	460.91	723.40	514.43	208.97	3.462	
21,800.00	12,205.17	21,328.31	11,730.68	130.57	133.20	-49.01	-9,430.89	461.77	723.40	512.32	211.08	3.427	
21,900.00	12,206.04	21,428.31	11,731.56	131.93	134.56	-49.01	-9,530.88	462.63	723.39	510.20	213.19	3.393	
22,000.00	12,206.91	21,528.31	11,732.43	133.29	135.92	-49.01	-9,630.88	463.49	723.39	508.08	215.30	3.360	
22,100.00	12,207.79	21,628.31	11,733.31	134.65	137.28	-49.01	-9,730.87	464.36	723.39	505.97	217.42	3.327	
22,200.00	12,208.66	21,728.31	11,734.18	136.01	138.64	-49.01	-9,830.86	465.22	723.38	503.85	219.54	3.295	
22,300.00	12,209.53	21,828.31	11,735.06	137.37	140.00	-49.01	-9,930.85	466.08	723.38	501.73	221.65	3.264	
22,400.00	12,210.40	21,928.31	11,735.94	138.73	141.36	-49.01	-10,030.85	466.94	723.38	499.61	223.77	3.233	
22,407.15	12,210.46	21,935.46	11,736.00	138.83	141.45	-49.01	-10,037.99	467.00	723.38	499.46	223.92	3.231	
22,411.61	12,210.50	21,935.47	11,736.00	138.89	141.45	-49.01	-10,038.00	467.00	723.39	499.36	224.03	3.229	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 135H
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 135H	**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
1,500.00	1,498.62	1,876.89	1,865.26	4.93	5.86	90.46	886.60	2,222.42	2,419.50	2,409.12	10.38	233.008	
1,550.47	1,548.70	1,924.96	1,912.28	4.99	5.96	90.88	877.54	2,218.22	2,411.95	2,401.41	10.55	228.659	
1,600.00	1,597.81	1,972.05	1,958.34	5.05	6.06	91.20	868.66	2,214.10	2,404.62	2,393.91	10.71	224.501	
1,700.00	1,696.95	2,067.11	2,051.32	5.25	6.27	91.83	850.73	2,205.79	2,390.05	2,378.92	11.13	214.718	
1,800.00	1,796.09	2,162.17	2,144.31	5.44	6.47	92.47	832.81	2,197.48	2,375.80	2,364.25	11.55	205.640	
1,900.00	1,895.24	2,257.24	2,237.30	5.64	6.67	93.13	814.88	2,189.17	2,361.87	2,349.89	11.98	197.197	
2,000.00	1,994.38	2,352.30	2,330.29	5.83	6.88	93.78	796.95	2,180.85	2,348.27	2,335.87	12.40	189.371	
2,100.00	2,093.53	2,447.37	2,423.28	6.03	7.13	94.45	779.03	2,172.54	2,334.99	2,322.16	12.83	181.925	
2,200.00	2,192.67	2,542.43	2,516.26	6.22	7.39	95.12	761.10	2,164.23	2,322.06	2,308.80	13.26	175.076	
2,300.00	2,291.82	2,637.50	2,609.25	6.42	7.66	95.80	743.17	2,155.92	2,309.48	2,295.78	13.70	168.631	
2,400.00	2,390.96	2,732.56	2,702.24	6.61	7.92	96.48	725.25	2,147.61	2,297.24	2,283.11	14.13	162.581	
2,500.00	2,490.11	2,827.62	2,795.23	6.81	8.19	97.17	707.32	2,139.30	2,285.36	2,270.79	14.57	156.894	
2,600.00	2,589.25	2,922.69	2,888.22	7.00	8.46	97.87	689.40	2,130.98	2,273.84	2,258.83	15.00	151.540	
2,700.00	2,688.39	3,017.75	2,981.20	7.20	8.73	98.57	671.47	2,122.67	2,262.68	2,247.24	15.45	146.495	
2,800.00	2,787.54	3,112.82	3,074.19	7.39	9.00	99.28	653.54	2,114.36	2,251.90	2,236.01	15.89	141.734	
2,900.00	2,886.68	3,207.88	3,167.18	7.59	9.27	100.00	635.62	2,106.05	2,241.50	2,225.17	16.33	137.238	
3,000.00	2,985.83	3,302.95	3,260.17	7.78	9.54	100.72	617.69	2,097.74	2,231.48	2,214.70	16.78	132.986	
3,100.00	3,084.97	3,398.01	3,353.16	7.98	9.82	101.45	599.76	2,089.43	2,221.85	2,204.62	17.23	128.963	
3,200.00	3,184.12	3,493.07	3,446.14	8.17	10.09	102.18	581.84	2,081.11	2,212.61	2,194.93	17.68	125.152	
3,300.00	3,283.26	3,588.14	3,539.13	8.36	10.36	102.92	563.91	2,072.80	2,203.77	2,185.63	18.13	121.539	
3,400.00	3,382.40	3,677.37	3,626.42	8.56	10.59	103.62	547.13	2,065.02	2,195.36	2,176.82	18.54	118.393	
3,500.00	3,481.55	3,750.42	3,698.09	8.75	10.78	104.17	534.29	2,059.07	2,188.06	2,169.13	18.93	115.603	
3,600.00	3,580.69	3,824.28	3,770.81	8.95	10.97	104.71	522.58	2,053.64	2,182.09	2,162.78	19.32	112.970	
3,700.00	3,679.84	3,900.00	3,845.61	9.14	11.15	105.22	511.90	2,048.69	2,177.42	2,157.73	19.70	110.551	
3,800.00	3,778.98	3,974.24	3,919.16	9.33	11.32	105.69	502.74	2,044.44	2,174.01	2,153.95	20.06	108.401	
3,900.00	3,878.13	4,050.25	3,994.65	9.53	11.47	106.15	494.70	2,040.71	2,171.80	2,151.40	20.40	106.435	
4,000.00	3,977.27	4,126.88	4,070.92	9.72	11.61	106.57	487.98	2,037.60	2,170.77	2,150.03	20.74	104.657	
4,040.55	4,017.48	4,158.11	4,102.04	9.80	11.66	106.73	485.64	2,036.51	2,170.68	2,149.80	20.87	103.993	CC
4,100.00	4,076.42	4,200.00	4,143.82	9.91	11.73	106.94	482.86	2,035.22	2,170.88	2,149.82	21.06	103.089	
4,200.00	4,175.56	4,281.75	4,225.44	10.11	11.84	107.32	478.64	2,033.27	2,172.08	2,150.71	21.37	101.641	
4,300.00	4,274.70	4,359.89	4,303.52	10.30	11.94	107.64	476.09	2,032.08	2,174.34	2,152.69	21.66	100.390	
4,400.00	4,373.85	4,438.40	4,382.03	10.49	12.00	107.92	474.99	2,031.57	2,177.65	2,155.74	21.91	99.392	
4,500.00	4,472.99	4,532.37	4,475.99	10.69	12.02	108.23	474.94	2,031.55	2,181.70	2,159.58	22.12	98.645	
4,600.00	4,572.14	4,631.51	4,575.14	10.88	12.05	108.55	474.94	2,031.55	2,185.85	2,163.50	22.34	97.829	
4,700.00	4,671.28	4,730.66	4,674.28	11.08	12.09	108.87	474.94	2,031.55	2,190.07	2,167.49	22.57	97.022	
4,702.13	4,673.39	4,732.77	4,676.39	11.08	12.09	108.88	474.94	2,031.55	2,190.16	2,167.58	22.58	97.005	
4,800.00	4,770.58	4,829.95	4,773.58	11.28	12.13	109.22	474.94	2,031.55	2,193.95	2,171.15	22.79	96.259	
4,900.00	4,870.15	4,929.53	4,873.15	11.48	12.17	109.49	474.94	2,031.55	2,197.01	2,174.01	23.00	95.539	
5,000.00	4,969.93	5,029.31	4,972.93	11.67	12.21	109.68	474.94	2,031.55	2,199.22	2,176.04	23.18	94.867	
5,100.00	5,069.85	5,129.22	5,072.85	11.85	12.25	109.80	474.94	2,031.55	2,200.57	2,177.22	23.35	94.243	
5,200.00	5,169.84	5,229.21	5,172.84	11.99	12.29	109.84	474.94	2,031.55	2,201.03	2,177.54	23.50	93.680	
5,202.16	5,172.00	5,231.38	5,175.00	12.00	12.30	89.60	474.94	2,031.55	2,201.03	2,177.53	23.50	93.668	
5,300.00	5,269.84	5,329.21	5,272.84	12.08	12.34	89.60	474.94	2,031.55	2,201.03	2,177.41	23.62	93.170	
5,400.00	5,369.84	5,429.21	5,372.84	12.17	12.38	89.60	474.94	2,031.55	2,201.03	2,177.28	23.75	92.658	
5,500.00	5,469.84	5,529.21	5,472.84	12.26	12.42	89.60	474.94	2,031.55	2,201.03	2,177.15	23.89	92.151	
5,600.00	5,569.84	5,629.21	5,572.84	12.34	12.46	89.60	474.94	2,031.55	2,201.03	2,177.02	24.02	91.648	
5,700.00	5,669.84	5,729.21	5,672.84	12.43	12.51	89.60	474.94	2,031.55	2,201.03	2,176.89	24.15	91.149	
5,800.00	5,769.84	5,829.21	5,772.84	12.52	12.55	89.60	474.94	2,031.55	2,201.03	2,176.75	24.28	90.655	
5,900.00	5,869.84	5,929.21	5,872.84	12.61	12.59	89.60	474.94	2,031.55	2,201.03	2,176.62	24.41	90.164	
6,000.00	5,969.84	6,029.21	5,972.84	12.69	12.64	89.60	474.94	2,031.55	2,201.03	2,176.49	24.54	89.679	
6,100.00	6,069.84	6,129.21	6,072.84	12.78	12.68	89.60	474.94	2,031.55	2,201.03	2,176.36	24.68	89.197	
6,200.00	6,169.84	6,229.21	6,172.84	12.87	12.73	89.60	474.94	2,031.55	2,201.03	2,176.22	24.81	88.719	

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 135H
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 135H	**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
6,300.00	6,269.84	6,329.21	6,272.84	12.96	12.77	89.60	474.94	2,031.55	2,201.03	2,176.09	24.94	88.246	
6,400.00	6,369.84	6,429.21	6,372.84	13.04	12.82	89.60	474.94	2,031.55	2,201.03	2,175.96	25.08	87.776	
6,500.00	6,469.84	6,529.21	6,472.84	13.13	12.87	89.60	474.94	2,031.55	2,201.03	2,175.82	25.21	87.311	
6,600.00	6,569.84	6,629.21	6,572.84	13.22	12.91	89.60	474.94	2,031.55	2,201.03	2,175.69	25.34	86.850	
6,700.00	6,669.84	6,729.21	6,672.84	13.30	12.96	89.60	474.94	2,031.55	2,201.03	2,175.56	25.48	86.392	
6,800.00	6,769.84	6,829.21	6,772.84	13.39	13.01	89.60	474.94	2,031.55	2,201.03	2,175.42	25.61	85.939	
6,900.00	6,869.84	6,929.21	6,872.84	13.48	13.06	89.60	474.94	2,031.55	2,201.03	2,175.29	25.75	85.489	
7,000.00	6,969.84	7,029.21	6,972.84	13.56	13.10	89.60	474.94	2,031.55	2,201.03	2,175.15	25.88	85.043	
7,100.00	7,069.84	7,129.21	7,072.84	13.65	13.15	89.60	474.94	2,031.55	2,201.03	2,175.02	26.02	84.601	
7,200.00	7,169.84	7,229.21	7,172.84	13.74	13.20	89.60	474.94	2,031.55	2,201.03	2,174.88	26.15	84.162	
7,300.00	7,269.84	7,329.21	7,272.84	13.82	13.25	89.60	474.94	2,031.55	2,201.03	2,174.75	26.29	83.728	
7,400.00	7,369.84	7,429.21	7,372.84	13.91	13.30	89.60	474.94	2,031.55	2,201.03	2,174.61	26.42	83.297	
7,500.00	7,469.84	7,529.21	7,472.84	14.00	13.35	89.60	474.94	2,031.55	2,201.03	2,174.47	26.56	82.869	
7,600.00	7,569.84	7,629.21	7,572.84	14.08	13.40	89.60	474.94	2,031.55	2,201.03	2,174.34	26.70	82.445	
7,700.00	7,669.84	7,729.21	7,672.84	14.17	13.45	89.60	474.94	2,031.55	2,201.03	2,174.20	26.83	82.025	
7,800.00	7,769.84	7,829.21	7,772.84	14.26	13.50	89.60	474.94	2,031.55	2,201.03	2,174.06	26.97	81.608	
7,900.00	7,869.84	7,929.21	7,872.84	14.34	13.55	89.60	474.94	2,031.55	2,201.03	2,173.93	27.11	81.195	
8,000.00	7,969.84	8,029.21	7,972.84	14.43	13.60	89.60	474.94	2,031.55	2,201.03	2,173.79	27.25	80.785	
8,100.00	8,069.84	8,129.21	8,072.84	14.51	13.65	89.60	474.94	2,031.55	2,201.03	2,173.65	27.38	80.379	
8,200.00	8,169.84	8,229.21	8,172.84	14.60	13.71	89.60	474.94	2,031.55	2,201.03	2,173.51	27.52	79.976	
8,300.00	8,269.84	8,329.21	8,272.84	14.69	13.76	89.60	474.94	2,031.55	2,201.03	2,173.37	27.66	79.576	
8,400.00	8,369.84	8,429.21	8,372.84	14.77	13.81	89.60	474.94	2,031.55	2,201.03	2,173.24	27.80	79.180	
8,500.00	8,469.84	8,529.21	8,472.84	14.86	13.86	89.60	474.94	2,031.55	2,201.03	2,173.10	27.94	78.787	
8,600.00	8,569.84	8,629.21	8,572.84	14.94	13.92	89.60	474.94	2,031.55	2,201.03	2,172.96	28.08	78.397	
8,700.00	8,669.84	8,729.21	8,672.84	15.03	13.97	89.60	474.94	2,031.55	2,201.03	2,172.82	28.21	78.011	
8,800.00	8,769.84	8,829.21	8,772.84	15.12	14.02	89.60	474.94	2,031.55	2,201.03	2,172.68	28.35	77.627	
8,900.00	8,869.84	8,929.21	8,872.84	15.20	14.08	89.60	474.94	2,031.55	2,201.03	2,172.54	28.49	77.247	
9,000.00	8,969.84	9,029.21	8,972.84	15.29	14.13	89.60	474.94	2,031.55	2,201.03	2,172.40	28.63	76.870	
9,100.00	9,069.84	9,129.21	9,072.84	15.37	14.19	89.60	474.94	2,031.55	2,201.03	2,172.26	28.77	76.496	
9,200.00	9,169.84	9,229.21	9,172.84	15.46	14.24	89.60	474.94	2,031.55	2,201.03	2,172.12	28.91	76.125	
9,300.00	9,269.84	9,329.21	9,272.84	15.54	14.30	89.60	474.94	2,031.55	2,201.03	2,171.98	29.05	75.757	
9,400.00	9,369.84	9,429.21	9,372.84	15.63	14.35	89.60	474.94	2,031.55	2,201.03	2,171.84	29.19	75.392	
9,500.00	9,469.84	9,529.21	9,472.84	15.71	14.41	89.60	474.94	2,031.55	2,201.03	2,171.70	29.34	75.030	
9,600.00	9,569.84	9,629.21	9,572.84	15.80	14.46	89.60	474.94	2,031.55	2,201.03	2,171.56	29.48	74.671	
9,700.00	9,669.84	9,729.21	9,672.84	15.89	14.52	89.60	474.94	2,031.55	2,201.03	2,171.42	29.62	74.314	
9,800.00	9,769.84	9,829.21	9,772.84	15.97	14.58	89.60	474.94	2,031.55	2,201.03	2,171.27	29.76	73.961	
9,900.00	9,869.84	9,929.21	9,872.84	16.06	14.63	89.60	474.94	2,031.55	2,201.03	2,171.13	29.90	73.611	
10,000.00	9,969.84	10,029.21	9,972.84	16.14	14.69	89.60	474.94	2,031.55	2,201.03	2,170.99	30.04	73.263	
10,100.00	10,069.84	10,129.21	10,072.84	16.23	14.75	89.60	474.94	2,031.55	2,201.03	2,170.85	30.18	72.918	
10,200.00	10,169.84	10,229.21	10,172.84	16.31	14.80	89.60	474.94	2,031.55	2,201.03	2,170.71	30.33	72.576	
10,300.00	10,269.84	10,329.21	10,272.84	16.40	14.86	89.60	474.94	2,031.55	2,201.03	2,170.56	30.47	72.237	
10,400.00	10,369.84	10,429.21	10,372.84	16.48	14.92	89.60	474.94	2,031.55	2,201.03	2,170.42	30.61	71.900	
10,500.00	10,469.84	10,529.21	10,472.84	16.57	14.98	89.60	474.94	2,031.55	2,201.03	2,170.28	30.76	71.566	
10,600.00	10,569.84	10,629.21	10,572.84	16.65	15.04	89.60	474.94	2,031.55	2,201.03	2,170.14	30.90	71.235	
10,700.00	10,669.84	10,729.21	10,672.84	16.74	15.10	89.60	474.94	2,031.55	2,201.03	2,169.99	31.04	70.907	
10,800.00	10,769.84	10,829.21	10,772.84	16.82	15.15	89.60	474.94	2,031.55	2,201.03	2,169.85	31.18	70.581	
10,900.00	10,869.84	10,929.21	10,872.84	16.91	15.21	89.60	474.94	2,031.55	2,201.03	2,169.70	31.33	70.257	
11,000.00	10,969.84	11,029.21	10,972.84	16.99	15.27	89.60	474.94	2,031.55	2,201.03	2,169.56	31.47	69.942	
11,007.26	10,977.10	11,036.47	10,980.10	17.00	15.27	89.60	474.94	2,031.55	2,201.03	2,169.55	31.48	69.920	
11,100.00	11,069.84	11,128.80	11,072.39	17.08	15.33	89.64	473.44	2,031.56	2,201.04	2,169.44	31.60	69.653	
11,200.00	11,169.84	11,225.33	11,167.62	17.16	15.50	90.03	458.41	2,031.70	2,201.14	2,169.34	31.80	69.229	
11,300.00	11,269.84	11,314.54	11,252.26	17.25	15.73	90.76	430.50	2,031.95	2,201.67	2,169.59	32.08	68.622	

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 135H
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 135H	**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
11,400.00	11,369.84	11,393.53	11,322.79	17.33	15.98	91.68	395.08	2,032.28	2,203.22	2,170.78	32.44	67.911	
11,500.00	11,469.84	11,461.49	11,379.09	17.42	16.25	92.67	357.09	2,032.62	2,206.43	2,173.58	32.85	67.161	
11,581.16	11,551.00	11,508.94	11,415.55	17.48	16.47	93.45	326.73	2,032.90	2,210.67	2,177.47	33.20	66.585	
11,600.00	11,569.83	11,519.20	11,423.09	17.48	16.52	-85.76	319.78	2,032.96	2,211.88	2,178.61	33.27	66.479	
11,650.00	11,619.67	11,550.00	11,444.97	17.49	16.68	-84.90	298.11	2,033.16	2,215.31	2,181.85	33.45	66.219	
11,700.00	11,668.99	11,573.24	11,460.69	17.51	16.82	-84.17	281.00	2,033.31	2,218.99	2,185.39	33.60	66.040	
11,750.00	11,717.40	11,600.00	11,477.92	17.51	16.98	-83.38	260.52	2,033.50	2,222.88	2,189.12	33.75	65.854	
11,800.00	11,764.55	11,626.74	11,494.16	17.52	17.15	-82.61	239.28	2,033.69	2,226.88	2,192.97	33.91	65.661	
11,850.00	11,810.08	11,650.00	11,507.47	17.52	17.31	-81.90	220.21	2,033.87	2,230.94	2,196.89	34.04	65.530	
11,900.00	11,853.63	11,679.87	11,523.40	17.52	17.53	-81.13	194.95	2,034.10	2,234.96	2,200.74	34.22	65.303	
11,950.00	11,894.88	11,700.00	11,533.39	17.53	17.68	-80.51	177.47	2,034.25	2,238.93	2,204.59	34.34	65.208	
12,000.00	11,933.52	11,732.70	11,548.28	17.53	17.94	-79.80	148.36	2,034.52	2,242.71	2,208.17	34.54	64.923	
12,050.00	11,969.24	11,750.00	11,555.49	17.53	18.08	-79.28	132.64	2,034.66	2,246.34	2,211.70	34.64	64.842	
12,100.00	12,001.78	11,785.33	11,568.70	17.53	18.39	-78.66	99.88	2,034.96	2,249.65	2,214.75	34.89	64.475	
12,150.00	12,030.89	11,811.58	11,577.20	17.53	18.62	-78.17	75.05	2,035.18	2,252.68	2,217.60	35.08	64.213	
12,200.00	12,056.34	11,837.80	11,584.55	17.53	18.86	-77.75	49.88	2,035.41	2,255.37	2,220.08	35.28	63.919	
12,250.00	12,077.95	11,864.00	11,590.73	17.54	19.11	-77.39	24.43	2,035.65	2,257.67	2,222.17	35.50	63.590	
12,300.00	12,095.55	11,900.00	11,597.31	17.55	19.46	-77.06	-10.96	2,035.97	2,259.60	2,223.77	35.83	63.070	
12,350.00	12,109.01	11,916.33	11,599.56	17.56	19.62	-76.87	-27.14	2,036.11	2,261.01	2,225.02	35.99	62.824	
12,400.00	12,118.22	11,950.00	11,602.74	17.58	19.96	-76.71	-60.65	2,036.42	2,262.02	2,225.68	36.33	62.261	
12,450.00	12,123.11	11,968.62	11,603.65	17.60	20.15	-76.65	-79.25	2,036.59	2,262.50	2,225.96	36.54	61.914	
12,476.17	12,123.94	11,984.37	11,603.95	17.61	20.31	-76.63	-94.99	2,036.73	2,262.58	2,225.87	36.72	61.623	
12,477.24	12,123.95	11,984.37	11,603.95	17.61	20.31	-76.63	-94.99	2,036.73	2,262.58	2,225.87	36.72	61.622	
12,500.00	12,124.14	12,004.25	11,604.05	17.62	20.51	-76.63	-114.87	2,036.91	2,262.61	2,225.67	36.94	61.253	
12,600.00	12,125.02	12,104.25	11,604.58	17.69	21.57	-76.62	-214.86	2,037.82	2,262.74	2,224.58	38.16	59.300	
12,700.00	12,125.89	12,204.25	11,605.10	17.79	22.67	-76.62	-314.86	2,038.73	2,262.86	2,223.35	39.51	57.268	
12,800.00	12,126.76	12,304.25	11,605.63	17.95	23.80	-76.61	-414.85	2,039.64	2,262.99	2,221.99	41.00	55.198	
12,900.00	12,127.63	12,404.25	11,606.15	18.21	24.95	-76.60	-514.85	2,040.55	2,263.12	2,220.52	42.60	53.127	
13,000.00	12,128.50	12,504.25	11,606.68	18.61	26.12	-76.59	-614.84	2,041.46	2,263.24	2,218.94	44.31	51.083	
13,100.00	12,129.37	12,604.25	11,607.21	19.18	27.30	-76.58	-714.83	2,042.36	2,263.37	2,217.26	46.11	49.090	
13,200.00	12,130.24	12,704.25	11,607.73	19.87	28.51	-76.58	-814.83	2,043.27	2,263.50	2,215.50	47.99	47.162	
13,300.00	12,131.11	12,804.25	11,608.26	20.66	29.73	-76.57	-914.82	2,044.18	2,263.62	2,213.67	49.96	45.312	
13,400.00	12,131.99	12,904.25	11,608.78	21.53	30.96	-76.56	-1,014.81	2,045.09	2,263.75	2,211.76	51.99	43.544	
13,500.00	12,132.86	13,004.25	11,609.31	22.45	32.20	-76.55	-1,114.81	2,046.00	2,263.88	2,209.80	54.08	41.864	
13,600.00	12,133.73	13,104.25	11,609.83	23.43	33.45	-76.54	-1,214.80	2,046.91	2,264.01	2,207.79	56.22	40.271	
13,700.00	12,134.60	13,204.24	11,610.36	24.44	34.71	-76.53	-1,314.80	2,047.82	2,264.13	2,205.72	58.41	38.763	
13,800.00	12,135.47	13,304.24	11,610.88	25.50	35.98	-76.53	-1,414.79	2,048.73	2,264.26	2,203.62	60.64	37.339	
13,900.00	12,136.34	13,404.24	11,611.41	26.58	37.26	-76.52	-1,514.78	2,049.64	2,264.39	2,201.48	62.91	35.995	
14,000.00	12,137.21	13,504.24	11,611.93	27.69	38.54	-76.51	-1,614.78	2,050.54	2,264.52	2,199.31	65.21	34.727	
14,100.00	12,138.08	13,604.24	11,612.46	28.82	39.83	-76.50	-1,714.77	2,051.45	2,264.64	2,197.10	67.54	33.531	
14,200.00	12,138.96	13,704.24	11,612.98	29.98	41.12	-76.49	-1,814.77	2,052.36	2,264.77	2,194.88	69.89	32.403	
14,300.00	12,139.83	13,804.24	11,613.51	31.15	42.42	-76.48	-1,914.76	2,053.27	2,264.90	2,192.62	72.27	31.338	
14,400.00	12,140.70	13,904.24	11,614.03	32.33	43.72	-76.48	-2,014.75	2,054.18	2,265.03	2,190.35	74.67	30.333	
14,500.00	12,141.57	14,004.24	11,614.56	33.54	45.03	-76.47	-2,114.75	2,055.09	2,265.15	2,188.06	77.09	29.382	
14,600.00	12,142.44	14,104.24	11,615.08	34.75	46.34	-76.46	-2,214.74	2,056.00	2,265.28	2,185.75	79.53	28.484	
14,700.00	12,143.31	14,204.24	11,615.61	35.98	47.65	-76.45	-2,314.74	2,056.91	2,265.41	2,183.43	81.98	27.634	
14,800.00	12,144.18	14,304.24	11,616.13	37.21	48.96	-76.44	-2,414.73	2,057.82	2,265.54	2,181.09	84.44	26.829	
14,900.00	12,145.05	14,404.24	11,616.66	38.46	50.28	-76.44	-2,514.72	2,058.73	2,265.66	2,178.74	86.92	26.065	
15,000.00	12,145.93	14,504.24	11,617.18	39.71	51.61	-76.43	-2,614.72	2,059.63	2,265.79	2,176.38	89.41	25.341	
15,100.00	12,146.80	14,604.24	11,617.71	40.97	52.93	-76.42	-2,714.71	2,060.54	2,265.92	2,174.01	91.91	24.653	
15,200.00	12,147.67	14,704.24	11,618.23	42.24	54.25	-76.41	-2,814.70	2,061.45	2,266.05	2,171.63	94.42	23.999	
15,300.00	12,148.54	14,804.24	11,618.76	43.51	55.58	-76.40	-2,914.70	2,062.36	2,266.18	2,169.24	96.94	23.377	

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 135H
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 135H	**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
15,400.00	12,149.41	14,904.23	11,619.28	44.79	56.91	-76.39	-3,014.69	2,063.27	2,266.30	2,166.84	99.47	22.785	
15,500.00	12,150.28	15,004.23	11,619.81	46.08	58.25	-76.39	-3,114.69	2,064.18	2,266.43	2,164.43	102.00	22.220	
15,600.00	12,151.15	15,104.23	11,620.33	47.37	59.58	-76.38	-3,214.68	2,065.09	2,266.56	2,162.02	104.54	21.681	
15,700.00	12,152.02	15,204.23	11,620.86	48.66	60.91	-76.37	-3,314.67	2,066.00	2,266.69	2,159.60	107.09	21.167	
15,800.00	12,152.90	15,304.23	11,621.38	49.96	62.25	-76.36	-3,414.67	2,066.91	2,266.82	2,157.17	109.64	20.675	
15,900.00	12,153.77	15,404.23	11,621.91	51.26	63.59	-76.35	-3,514.66	2,067.81	2,266.94	2,154.74	112.20	20.205	
16,000.00	12,154.64	15,504.23	11,622.43	52.57	64.93	-76.34	-3,614.66	2,068.72	2,267.07	2,152.31	114.76	19.754	
16,100.00	12,155.51	15,604.23	11,622.96	53.88	66.27	-76.34	-3,714.65	2,069.63	2,267.20	2,149.87	117.33	19.323	
16,200.00	12,156.38	15,704.23	11,623.48	55.19	67.61	-76.33	-3,814.64	2,070.54	2,267.33	2,147.43	119.90	18.910	
16,300.00	12,157.25	15,804.23	11,624.01	56.50	68.95	-76.32	-3,914.64	2,071.45	2,267.46	2,144.98	122.48	18.513	
16,400.00	12,158.12	15,904.23	11,624.53	57.82	70.30	-76.31	-4,014.63	2,072.36	2,267.59	2,142.53	125.06	18.132	
16,500.00	12,158.99	16,004.23	11,625.06	59.14	71.64	-76.30	-4,114.62	2,073.27	2,267.71	2,140.07	127.64	17.766	
16,600.00	12,159.87	16,104.23	11,625.58	60.46	72.99	-76.30	-4,214.62	2,074.18	2,267.84	2,137.61	130.23	17.414	
16,700.00	12,160.74	16,204.23	11,626.11	61.79	74.33	-76.29	-4,314.61	2,075.09	2,267.97	2,135.15	132.82	17.075	
16,800.00	12,161.61	16,304.23	11,626.63	63.11	75.68	-76.28	-4,414.61	2,075.99	2,268.10	2,132.69	135.42	16.749	
16,900.00	12,162.48	16,404.23	11,627.16	64.44	77.03	-76.27	-4,514.60	2,076.90	2,268.23	2,130.22	138.01	16.435	
17,000.00	12,163.35	16,504.22	11,627.68	65.77	78.38	-76.26	-4,614.59	2,077.81	2,268.36	2,127.75	140.61	16.132	
17,100.00	12,164.22	16,604.22	11,628.21	67.10	79.73	-76.25	-4,714.59	2,078.72	2,268.49	2,125.28	143.21	15.840	
17,200.00	12,165.09	16,704.22	11,628.73	68.43	81.08	-76.25	-4,814.58	2,079.63	2,268.62	2,122.80	145.81	15.558	
17,300.00	12,165.96	16,804.22	11,629.26	69.77	82.43	-76.24	-4,914.58	2,080.54	2,268.74	2,120.33	148.42	15.286	
17,400.00	12,166.84	16,904.22	11,629.78	71.10	83.78	-76.23	-5,014.57	2,081.45	2,268.87	2,117.85	151.03	15.023	
17,500.00	12,167.71	17,004.22	11,630.31	72.44	85.13	-76.22	-5,114.56	2,082.36	2,269.00	2,115.37	153.63	14.769	
17,600.00	12,168.58	17,104.22	11,630.83	73.78	86.48	-76.21	-5,214.56	2,083.27	2,269.13	2,112.89	156.25	14.523	
17,700.00	12,169.45	17,204.22	11,631.36	75.12	87.84	-76.21	-5,314.55	2,084.17	2,269.26	2,110.40	158.86	14.285	
17,800.00	12,170.32	17,304.22	11,631.88	76.46	89.19	-76.20	-5,414.55	2,085.08	2,269.39	2,107.92	161.47	14.054	
17,900.00	12,171.19	17,404.22	11,632.41	77.80	90.55	-76.19	-5,514.54	2,085.99	2,269.52	2,105.43	164.09	13.831	
18,000.00	12,172.06	17,504.22	11,632.93	79.14	91.90	-76.18	-5,614.53	2,086.90	2,269.65	2,102.94	166.70	13.615	
18,100.00	12,172.93	17,604.22	11,633.46	80.48	93.26	-76.17	-5,714.53	2,087.81	2,269.78	2,100.45	169.32	13.405	
18,200.00	12,173.81	17,704.22	11,633.98	81.83	94.61	-76.16	-5,814.52	2,088.72	2,269.91	2,097.96	171.94	13.202	
18,300.00	12,174.68	17,804.22	11,634.51	83.17	95.97	-76.16	-5,914.51	2,089.63	2,270.04	2,095.47	174.56	13.004	
18,400.00	12,175.55	17,904.22	11,635.03	84.52	97.32	-76.15	-6,014.51	2,090.54	2,270.17	2,092.98	177.19	12.812	
18,500.00	12,176.42	18,004.22	11,635.56	85.86	98.68	-76.14	-6,114.50	2,091.45	2,270.29	2,090.49	179.81	12.626	
18,600.00	12,177.29	18,104.22	11,636.09	87.21	100.04	-76.13	-6,214.50	2,092.35	2,270.42	2,087.99	182.43	12.445	
18,700.00	12,178.16	18,204.21	11,636.61	88.56	101.39	-76.12	-6,314.49	2,093.26	2,270.55	2,085.50	185.06	12.269	
18,800.00	12,179.03	18,304.21	11,637.14	89.91	102.75	-76.12	-6,414.48	2,094.17	2,270.68	2,083.00	187.68	12.098	
18,900.00	12,179.90	18,404.21	11,637.66	91.26	104.11	-76.11	-6,514.48	2,095.08	2,270.81	2,080.50	190.31	11.932	
19,000.00	12,180.78	18,504.21	11,638.19	92.61	105.47	-76.10	-6,614.47	2,095.99	2,270.94	2,078.00	192.94	11.770	
19,100.00	12,181.65	18,604.21	11,638.71	93.96	106.83	-76.09	-6,714.47	2,096.90	2,271.07	2,075.51	195.57	11.613	
19,200.00	12,182.52	18,704.21	11,639.24	95.31	108.18	-76.08	-6,814.46	2,097.81	2,271.20	2,073.01	198.20	11.459	
19,300.00	12,183.39	18,804.21	11,639.76	96.66	109.54	-76.07	-6,914.45	2,098.72	2,271.33	2,070.51	200.83	11.310	
19,400.00	12,184.26	18,904.21	11,640.29	98.01	110.90	-76.07	-7,014.45	2,099.63	2,271.46	2,068.01	203.46	11.164	
19,500.00	12,185.13	19,004.21	11,640.81	99.36	112.26	-76.06	-7,114.44	2,100.53	2,271.59	2,065.50	206.09	11.022	
19,600.00	12,186.00	19,104.21	11,641.34	100.72	113.62	-76.05	-7,214.44	2,101.44	2,271.72	2,063.00	208.72	10.884	
19,700.00	12,186.87	19,204.21	11,641.86	102.07	114.98	-76.04	-7,314.43	2,102.35	2,271.85	2,060.50	211.35	10.749	
19,800.00	12,187.75	19,304.21	11,642.39	103.42	116.34	-76.03	-7,414.42	2,103.26	2,271.98	2,058.00	213.99	10.617	
19,900.00	12,188.62	19,404.21	11,642.91	104.78	117.70	-76.03	-7,514.42	2,104.17	2,272.11	2,055.49	216.62	10.489	
20,000.00	12,189.49	19,504.21	11,643.44	106.13	119.06	-76.02	-7,614.41	2,105.08	2,272.24	2,052.99	219.25	10.364	
20,100.00	12,190.36	19,604.21	11,643.96	107.49	120.42	-76.01	-7,714.40	2,105.99	2,272.37	2,050.48	221.89	10.241	
20,200.00	12,191.23	19,704.21	11,644.49	108.84	121.78	-76.00	-7,814.40	2,106.90	2,272.50	2,047.98	224.52	10.121	
20,300.00	12,192.10	19,804.20	11,645.01	110.20	123.15	-75.99	-7,914.39	2,107.81	2,272.63	2,045.47	227.16	10.005	
20,400.00	12,192.97	19,904.20	11,645.54	111.55	124.51	-75.98	-8,014.39	2,108.72	2,272.76	2,042.97	229.79	9.890	
20,500.00	12,193.85	20,004.20	11,646.06	112.91	125.87	-75.98	-8,114.38	2,109.62	2,272.89	2,040.46	232.43	9.779	

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 135H
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 135H	**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
20,600.00	12,194.72	20,104.20	11,646.59	114.27	127.23	-75.97	-8,214.37	2,110.53	2,273.02	2,037.96	235.07	9.670	
20,700.00	12,195.59	20,204.20	11,647.11	115.62	128.59	-75.96	-8,314.37	2,111.44	2,273.15	2,035.45	237.70	9.563	
20,800.00	12,196.46	20,304.20	11,647.64	116.98	129.95	-75.95	-8,414.36	2,112.35	2,273.28	2,032.94	240.34	9.459	
20,900.00	12,197.33	20,404.20	11,648.16	118.34	131.32	-75.94	-8,514.36	2,113.26	2,273.42	2,030.44	242.98	9.356	
21,000.00	12,198.20	20,504.20	11,648.69	119.70	132.68	-75.94	-8,614.35	2,114.17	2,273.55	2,027.93	245.62	9.256	
21,100.00	12,199.07	20,604.20	11,649.21	121.05	134.04	-75.93	-8,714.34	2,115.08	2,273.68	2,025.42	248.26	9.159	
21,200.00	12,199.94	20,704.20	11,649.74	122.41	135.40	-75.92	-8,814.34	2,115.99	2,273.81	2,022.91	250.89	9.063	
21,300.00	12,200.82	20,804.20	11,650.26	123.77	136.77	-75.91	-8,914.33	2,116.90	2,273.94	2,020.41	253.53	8.969	
21,400.00	12,201.69	20,904.20	11,650.79	125.13	138.13	-75.90	-9,014.33	2,117.80	2,274.07	2,017.90	256.17	8.877	
21,500.00	12,202.56	21,004.20	11,651.31	126.49	139.49	-75.89	-9,114.32	2,118.71	2,274.20	2,015.39	258.81	8.787	
21,600.00	12,203.43	21,104.20	11,651.84	127.85	140.86	-75.89	-9,214.31	2,119.62	2,274.33	2,012.88	261.45	8.699	
21,700.00	12,204.30	21,204.20	11,652.36	129.21	142.22	-75.88	-9,314.31	2,120.53	2,274.46	2,010.37	264.09	8.612	
21,800.00	12,205.17	21,304.20	11,652.89	130.57	143.58	-75.87	-9,414.30	2,121.44	2,274.59	2,007.86	266.73	8.528	
21,900.00	12,206.04	21,404.19	11,653.41	131.93	144.95	-75.86	-9,514.29	2,122.35	2,274.72	2,005.35	269.37	8.445	
22,000.00	12,206.91	21,504.19	11,653.94	133.29	146.31	-75.85	-9,614.29	2,123.26	2,274.85	2,002.84	272.01	8.363	
22,100.00	12,207.79	21,604.19	11,654.46	134.65	147.67	-75.85	-9,714.28	2,124.17	2,274.99	2,000.34	274.65	8.283	
22,200.00	12,208.66	21,704.19	11,654.99	136.01	149.04	-75.84	-9,814.28	2,125.08	2,275.12	1,997.83	277.29	8.205	
22,300.00	12,209.53	21,804.19	11,655.51	137.37	150.40	-75.83	-9,914.27	2,125.98	2,275.25	1,995.32	279.93	8.128	
22,400.00	12,210.40	21,904.19	11,656.04	138.73	151.77	-75.82	-10,014.26	2,126.89	2,275.38	1,992.81	282.57	8.052	
22,411.61	12,210.50	21,915.80	11,656.10	138.89	151.92	-75.82	-10,025.88	2,127.00	2,275.39	1,992.52	282.88	8.044	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 135H
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 135H	**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	-90.00	0.00	-25.00	25.00				
100.00	100.00	101.00	101.00	0.98	0.99	-90.00	0.00	-25.00	25.00	23.03	1.97	12.706	
200.00	200.00	201.00	201.00	1.56	1.57	-90.00	0.00	-25.00	25.00	21.87	3.13	7.996	
216.33	216.33	217.33	217.33	1.63	1.63	-90.00	0.00	-25.00	25.00	21.74	3.26	7.663	CC
300.00	300.00	300.99	300.99	1.98	1.99	-90.00	0.00	-25.00	25.00	21.03	3.97	6.303	ES
400.00	400.00	400.37	400.36	2.33	2.41	-88.88	0.51	-26.22	26.23	21.50	4.73	5.544	
500.00	500.00	499.61	499.52	2.63	2.78	-86.12	2.02	-29.81	29.91	24.52	5.40	5.542	
600.00	600.00	598.58	598.28	2.91	3.11	-82.80	4.52	-35.75	36.14	30.14	6.00	6.024	
700.00	700.00	697.89	697.22	3.16	3.25	-79.85	7.81	-43.59	44.44	38.05	6.39	6.953	
800.00	800.00	797.51	796.46	3.40	3.50	-77.79	11.17	-51.59	52.98	46.11	6.88	7.703	
900.00	899.99	897.19	895.77	3.68	3.74	-56.99	14.53	-59.60	60.85	53.50	7.36	8.271	
1,000.00	999.91	996.97	995.16	3.94	3.97	-58.42	17.90	-67.62	67.33	59.52	7.81	8.619	
1,100.00	1,099.77	1,096.76	1,094.57	4.15	4.20	-60.55	21.27	-75.64	73.19	64.95	8.23	8.889	
1,200.00	1,199.63	1,196.55	1,193.99	4.35	4.42	-62.36	24.63	-83.66	79.13	70.49	8.65	9.154	
1,250.43	1,250.00	1,246.89	1,244.13	4.40	4.49	-63.18	26.33	-87.70	82.16	73.40	8.76	9.383	
1,300.00	1,299.48	1,295.44	1,292.48	4.45	4.55	-64.01	28.06	-91.83	85.24	76.39	8.86	9.626	
1,400.00	1,399.17	1,392.96	1,389.39	4.69	4.81	-66.20	32.25	-101.80	92.51	83.23	9.28	9.972	
1,500.00	1,498.62	1,490.15	1,485.68	4.93	5.06	-68.86	37.38	-114.01	101.31	91.62	9.69	10.460	
1,550.47	1,548.70	1,539.07	1,533.99	4.99	5.19	-70.30	40.32	-121.01	106.38	96.54	9.84	10.812	
1,600.00	1,597.81	1,586.98	1,581.23	5.05	5.31	-71.68	43.43	-128.42	111.88	101.89	9.99	11.199	
1,700.00	1,696.95	1,683.37	1,675.93	5.25	5.55	-73.69	50.38	-144.97	124.83	114.44	10.39	12.019	
1,800.00	1,796.09	1,779.23	1,769.63	5.44	5.79	-74.84	58.21	-163.62	140.09	129.31	10.78	12.990	
1,900.00	1,895.24	1,876.41	1,864.18	5.64	5.98	-75.40	66.92	-184.35	157.20	146.05	11.15	14.104	
2,000.00	1,994.38	1,974.90	1,959.94	5.83	6.18	-75.83	75.82	-205.55	174.51	162.96	11.55	15.108	
2,100.00	2,093.53	2,073.38	2,055.70	6.03	6.40	-76.18	84.72	-226.75	191.82	179.86	11.97	16.032	
2,200.00	2,192.67	2,171.86	2,151.46	6.22	6.61	-76.47	93.63	-247.95	209.15	196.76	12.38	16.892	
2,300.00	2,291.82	2,270.35	2,247.22	6.42	6.83	-76.72	102.53	-269.16	226.47	213.67	12.80	17.695	
2,400.00	2,390.96	2,368.83	2,342.98	6.61	7.07	-76.94	111.43	-290.36	243.80	230.59	13.22	18.445	
2,500.00	2,490.11	2,467.31	2,438.74	6.81	7.32	-77.12	120.34	-311.56	261.14	247.50	13.64	19.149	
2,600.00	2,589.25	2,565.79	2,534.50	7.00	7.60	-77.28	129.24	-332.76	278.47	264.42	14.06	19.809	
2,700.00	2,688.39	2,664.28	2,630.26	7.20	7.88	-77.42	138.14	-353.96	295.81	281.33	14.48	20.432	
2,800.00	2,787.54	2,762.76	2,726.02	7.39	8.17	-77.55	147.05	-375.16	313.15	298.25	14.90	21.016	
2,900.00	2,886.68	2,861.24	2,821.78	7.59	8.46	-77.66	155.95	-396.37	330.49	315.17	15.32	21.568	
3,000.00	2,985.83	2,959.73	2,917.55	7.78	8.76	-77.77	164.85	-417.57	347.83	332.09	15.75	22.090	
3,100.00	3,084.97	3,058.21	3,013.31	7.98	9.05	-77.86	173.76	-438.77	365.18	349.01	16.17	22.583	
3,200.00	3,184.12	3,156.69	3,109.07	8.17	9.35	-77.94	182.66	-459.97	382.52	365.92	16.59	23.051	
3,300.00	3,283.26	3,255.18	3,204.83	8.36	9.65	-78.02	191.56	-481.17	399.86	382.84	17.02	23.495	
3,400.00	3,382.40	3,353.66	3,300.59	8.56	9.95	-78.09	200.46	-502.38	417.21	399.76	17.44	23.917	
3,500.00	3,481.55	3,452.14	3,396.35	8.75	10.25	-78.15	209.37	-523.58	434.55	416.68	17.87	24.318	
3,600.00	3,580.69	3,550.62	3,492.11	8.95	10.55	-78.21	218.27	-544.78	451.90	433.60	18.30	24.700	
3,700.00	3,679.84	3,649.11	3,587.87	9.14	10.86	-78.27	227.17	-565.98	469.25	450.52	18.72	25.064	
3,800.00	3,778.98	3,747.59	3,683.63	9.33	11.16	-78.32	236.08	-587.18	486.59	467.44	19.15	25.412	
3,900.00	3,878.13	3,846.07	3,779.39	9.53	11.46	-78.37	244.98	-608.38	503.94	484.36	19.58	25.744	
4,000.00	3,977.27	3,944.56	3,875.15	9.72	11.77	-78.41	253.88	-629.59	521.29	501.29	20.00	26.061	
4,100.00	4,076.42	4,043.04	3,970.91	9.91	12.07	-78.45	262.79	-650.79	538.64	518.21	20.43	26.365	
4,200.00	4,175.56	4,141.52	4,066.67	10.11	12.38	-78.49	271.69	-671.99	555.98	535.13	20.86	26.656	
4,300.00	4,274.70	4,240.01	4,162.44	10.30	12.68	-78.53	280.59	-693.19	573.33	552.05	21.29	26.936	
4,400.00	4,373.85	4,338.49	4,258.20	10.49	12.99	-78.57	289.50	-714.39	590.68	568.97	21.71	27.203	
4,500.00	4,472.99	4,436.97	4,353.96	10.69	13.30	-78.60	298.40	-735.59	608.03	585.89	22.14	27.461	
4,600.00	4,572.14	4,535.46	4,449.72	10.88	13.61	-78.63	307.30	-756.80	625.38	602.81	22.57	27.708	
4,700.00	4,671.28	4,633.94	4,545.48	11.08	13.91	-78.66	316.21	-778.00	642.73	619.73	23.00	27.943	
4,702.13	4,673.39	4,636.04	4,547.52	11.08	13.92	-78.66	316.40	-778.45	643.10	620.09	23.01	27.948	

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 135H
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 135H	**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	4,770.58	4,732.37	4,641.19	11.28	14.22	-78.83	325.11	-799.19	660.32	636.90	23.42	28.197	
4,900.00	4,870.15	4,830.66	4,736.76	11.48	14.53	-78.81	333.99	-820.35	678.42	654.60	23.81	28.490	
5,000.00	4,969.93	4,928.73	4,832.12	11.67	14.84	-78.59	342.86	-841.46	697.05	672.86	24.18	28.823	
5,100.00	5,069.85	5,026.52	4,927.21	11.85	15.14	-78.20	351.70	-862.51	716.26	691.73	24.53	29.200	
5,200.00	5,169.84	5,123.96	5,021.96	11.99	15.45	-77.66	360.51	-883.49	736.12	711.27	24.85	29.620	
5,202.16	5,172.00	5,126.07	5,024.00	12.00	15.46	-97.88	360.70	-883.95	736.56	711.70	24.86	29.630	
5,300.00	5,269.84	5,221.20	5,116.51	12.08	15.76	-97.01	369.30	-904.43	756.44	731.28	25.16	30.070	
5,400.00	5,369.84	5,318.43	5,211.05	12.17	16.06	-96.16	378.09	-925.36	776.92	751.46	25.46	30.514	
5,500.00	5,469.84	5,415.67	5,305.60	12.26	16.37	-95.35	386.88	-946.29	797.57	771.80	25.77	30.953	
5,600.00	5,569.84	5,512.91	5,400.15	12.34	16.67	-94.58	395.67	-967.23	818.35	792.28	26.07	31.387	
5,700.00	5,669.84	5,610.14	5,494.70	12.43	16.98	-93.86	404.46	-988.16	839.28	812.90	26.38	31.817	
5,800.00	5,769.84	5,709.78	5,591.58	12.52	17.29	-93.15	413.46	-1,009.59	860.31	833.62	26.69	32.231	
5,900.00	5,869.84	5,832.85	5,711.78	12.61	17.65	-92.38	423.69	-1,033.96	879.78	852.68	27.10	32.469	
6,000.00	5,969.84	5,957.56	5,834.37	12.69	17.98	-91.75	432.53	-1,055.00	896.44	868.96	27.48	32.626	
6,100.00	6,069.84	6,083.66	5,959.03	12.78	18.26	-91.25	439.88	-1,072.52	910.20	882.37	27.83	32.705	
6,200.00	6,169.84	6,210.89	6,085.38	12.87	18.50	-90.87	445.68	-1,086.33	920.98	892.83	28.16	32.710	
6,300.00	6,269.84	6,339.00	6,213.02	12.96	18.69	-90.60	449.88	-1,096.32	928.74	900.29	28.45	32.648	
6,400.00	6,369.84	6,467.69	6,341.54	13.04	18.84	-90.44	452.42	-1,102.37	933.42	904.72	28.70	32.520	
6,500.00	6,469.84	6,596.68	6,470.50	13.13	18.95	-90.39	453.28	-1,104.42	935.01	906.13	28.88	32.378	
6,600.00	6,569.84	6,697.02	6,570.84	13.22	19.00	-90.39	453.28	-1,104.42	935.01	905.99	29.02	32.220	
6,700.00	6,669.84	6,797.02	6,670.84	13.30	19.05	-90.39	453.28	-1,104.42	935.01	905.85	29.16	32.063	
6,800.00	6,769.84	6,897.02	6,770.84	13.39	19.11	-90.39	453.28	-1,104.42	935.01	905.71	29.30	31.907	
6,900.00	6,869.84	6,997.02	6,870.84	13.48	19.16	-90.39	453.28	-1,104.42	935.01	905.56	29.45	31.752	
7,000.00	6,969.84	7,097.02	6,970.84	13.56	19.22	-90.39	453.28	-1,104.42	935.01	905.42	29.59	31.599	
7,100.00	7,069.84	7,197.02	7,070.84	13.65	19.27	-90.39	453.28	-1,104.42	935.01	905.28	29.73	31.447	
7,200.00	7,169.84	7,297.02	7,170.84	13.74	19.33	-90.39	453.28	-1,104.42	935.01	905.14	29.88	31.296	
7,300.00	7,269.84	7,397.02	7,270.84	13.82	19.38	-90.39	453.28	-1,104.42	935.01	904.99	30.02	31.146	
7,400.00	7,369.84	7,497.02	7,370.84	13.91	19.44	-90.39	453.28	-1,104.42	935.01	904.85	30.16	30.998	
7,500.00	7,469.84	7,597.02	7,470.84	14.00	19.49	-90.39	453.28	-1,104.42	935.01	904.70	30.31	30.851	
7,600.00	7,569.84	7,697.02	7,570.84	14.08	19.55	-90.39	453.28	-1,104.42	935.01	904.56	30.45	30.706	
7,700.00	7,669.84	7,797.02	7,670.84	14.17	19.60	-90.39	453.28	-1,104.42	935.01	904.42	30.59	30.561	
7,800.00	7,769.84	7,897.02	7,770.84	14.26	19.66	-90.39	453.28	-1,104.42	935.01	904.27	30.74	30.418	
7,900.00	7,869.84	7,997.02	7,870.84	14.34	19.71	-90.39	453.28	-1,104.42	935.01	904.13	30.88	30.276	
8,000.00	7,969.84	8,097.02	7,970.84	14.43	19.77	-90.39	453.28	-1,104.42	935.01	903.98	31.03	30.136	
8,100.00	8,069.84	8,197.02	8,070.84	14.51	19.83	-90.39	453.28	-1,104.42	935.01	903.84	31.17	29.996	
8,200.00	8,169.84	8,297.02	8,170.84	14.60	19.88	-90.39	453.28	-1,104.42	935.01	903.70	31.32	29.858	
8,300.00	8,269.84	8,397.02	8,270.84	14.69	19.94	-90.39	453.28	-1,104.42	935.01	903.55	31.46	29.720	
8,400.00	8,369.84	8,497.02	8,370.84	14.77	20.00	-90.39	453.28	-1,104.42	935.01	903.41	31.61	29.584	
8,500.00	8,469.84	8,597.02	8,470.84	14.86	20.06	-90.39	453.28	-1,104.42	935.01	903.26	31.75	29.449	
8,600.00	8,569.84	8,697.02	8,570.84	14.94	20.11	-90.39	453.28	-1,104.42	935.01	903.12	31.90	29.315	
8,700.00	8,669.84	8,797.02	8,670.84	15.03	20.17	-90.39	453.28	-1,104.42	935.01	902.97	32.04	29.182	
8,800.00	8,769.84	8,897.02	8,770.84	15.12	20.23	-90.39	453.28	-1,104.42	935.01	902.83	32.19	29.051	
8,900.00	8,869.84	8,997.02	8,870.84	15.20	20.29	-90.39	453.28	-1,104.42	935.01	902.68	32.33	28.920	
9,000.00	8,969.84	9,097.02	8,970.84	15.29	20.34	-90.39	453.28	-1,104.42	935.01	902.54	32.48	28.790	
9,100.00	9,069.84	9,197.02	9,070.84	15.37	20.40	-90.39	453.28	-1,104.42	935.01	902.39	32.62	28.662	
9,200.00	9,169.84	9,297.02	9,170.84	15.46	20.46	-90.39	453.28	-1,104.42	935.01	902.24	32.77	28.534	
9,300.00	9,269.84	9,397.02	9,270.84	15.54	20.52	-90.39	453.28	-1,104.42	935.01	902.10	32.91	28.408	
9,400.00	9,369.84	9,497.02	9,370.84	15.63	20.58	-90.39	453.28	-1,104.42	935.01	901.95	33.06	28.282	
9,500.00	9,469.84	9,597.02	9,470.84	15.71	20.64	-90.39	453.28	-1,104.42	935.01	901.81	33.21	28.158	
9,600.00	9,569.84	9,697.02	9,570.84	15.80	20.70	-90.39	453.28	-1,104.42	935.01	901.66	33.35	28.035	
9,700.00	9,669.84	9,797.02	9,670.84	15.89	20.75	-90.39	453.28	-1,104.42	935.01	901.51	33.50	27.912	
9,800.00	9,769.84	9,897.02	9,770.84	15.97	20.81	-90.39	453.28	-1,104.42	935.01	901.37	33.64	27.791	

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 135H
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 135H	**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
9,900.00	9,869.84	9,997.02	9,870.84	16.06	20.87	-90.39	453.28	-1,104.42	935.01	901.22	33.79	27.670	
10,000.00	9,969.84	10,097.02	9,970.84	16.14	20.93	-90.39	453.28	-1,104.42	935.01	901.07	33.94	27.550	
10,100.00	10,069.84	10,197.02	10,070.84	16.23	20.99	-90.39	453.28	-1,104.42	935.01	900.93	34.09	27.432	
10,200.00	10,169.84	10,297.02	10,170.84	16.31	21.05	-90.39	453.28	-1,104.42	935.01	900.78	34.23	27.314	
10,300.00	10,269.84	10,397.02	10,270.84	16.40	21.11	-90.39	453.28	-1,104.42	935.01	900.63	34.38	27.197	
10,400.00	10,369.84	10,497.02	10,370.84	16.48	21.17	-90.39	453.28	-1,104.42	935.01	900.49	34.53	27.081	
10,500.00	10,469.84	10,597.02	10,470.84	16.57	21.23	-90.39	453.28	-1,104.42	935.01	900.34	34.67	26.966	
10,600.00	10,569.84	10,697.02	10,570.84	16.65	21.29	-90.39	453.28	-1,104.42	935.01	900.19	34.82	26.852	
10,700.00	10,669.84	10,797.02	10,670.84	16.74	21.35	-90.39	453.28	-1,104.42	935.01	900.04	34.97	26.739	
10,800.00	10,769.84	10,897.02	10,770.84	16.82	21.41	-90.39	453.28	-1,104.42	935.01	899.90	35.12	26.626	
10,900.00	10,869.84	10,997.02	10,870.84	16.91	21.48	-90.39	453.28	-1,104.42	935.01	899.75	35.26	26.515	
11,000.00	10,969.84	11,097.02	10,970.84	16.99	21.54	-90.39	453.28	-1,104.42	935.01	899.60	35.41	26.404	
11,100.00	11,069.84	11,197.02	11,070.84	17.08	21.60	-90.39	453.28	-1,104.42	935.01	899.45	35.56	26.294	
11,200.00	11,169.84	11,297.02	11,170.84	17.16	21.66	-90.39	453.28	-1,104.42	935.01	899.30	35.71	26.185	
11,300.00	11,269.84	11,397.02	11,270.84	17.25	21.72	-90.39	453.28	-1,104.42	935.01	899.16	35.86	26.077	
11,400.00	11,369.84	11,497.02	11,370.84	17.33	21.78	-90.39	453.28	-1,104.42	935.01	899.01	36.00	25.970	
11,500.00	11,469.84	11,597.02	11,470.84	17.42	21.84	-90.39	453.28	-1,104.42	935.01	898.86	36.15	25.863	
11,581.16	11,551.00	11,678.18	11,552.00	17.48	21.89	-90.39	453.28	-1,104.42	935.01	898.75	36.26	25.784	
11,600.00	11,569.83	11,697.01	11,570.83	17.48	21.91	90.12	453.28	-1,104.42	935.01	898.74	36.27	25.776	
11,650.00	11,619.67	11,746.85	11,620.67	17.49	21.94	90.35	453.28	-1,104.42	935.03	898.76	36.27	25.779	
11,700.00	11,668.99	11,796.17	11,669.99	17.51	21.97	90.84	453.28	-1,104.42	935.11	898.88	36.24	25.804	
11,750.00	11,717.40	11,844.59	11,718.40	17.51	22.00	91.55	453.28	-1,104.42	935.38	899.20	36.18	25.852	
11,800.00	11,764.55	11,891.74	11,765.55	17.52	22.03	92.44	453.28	-1,104.42	936.00	899.89	36.10	25.925	
11,850.00	11,810.08	11,937.26	11,811.08	17.52	22.05	93.47	453.28	-1,104.42	937.17	901.16	36.01	26.026	
11,900.00	11,853.63	11,980.82	11,854.63	17.52	22.08	94.58	453.28	-1,104.42	939.15	903.25	35.91	26.156	
11,950.00	11,894.88	12,022.07	11,895.88	17.53	22.10	95.68	453.28	-1,104.42	942.22	906.43	35.80	26.323	
12,000.00	11,933.52	12,060.70	11,934.52	17.53	22.12	96.72	453.28	-1,104.42	946.66	910.97	35.69	26.525	
12,050.00	11,969.24	12,111.45	11,985.21	17.53	22.14	98.20	451.33	-1,104.40	952.50	916.93	35.57	26.775	
12,100.00	12,001.78	12,168.47	12,041.71	17.53	22.16	99.78	443.82	-1,104.34	959.43	923.96	35.47	27.048	
12,150.00	12,030.89	12,231.99	12,103.42	17.53	22.16	101.46	428.88	-1,104.21	967.28	931.86	35.42	27.311	
12,200.00	12,056.34	12,303.96	12,170.84	17.53	22.15	103.26	403.84	-1,103.99	975.83	940.38	35.45	27.527	
12,250.00	12,077.95	12,386.85	12,243.88	17.54	22.12	105.21	364.80	-1,103.66	984.72	949.11	35.61	27.651	
12,300.00	12,095.55	12,483.57	12,320.93	17.55	22.08	107.28	306.53	-1,103.16	993.46	957.50	35.95	27.632	
12,350.00	12,109.01	12,596.92	12,397.23	17.56	22.06	109.35	222.95	-1,102.44	1,001.33	964.86	36.47	27.453	
12,400.00	12,118.22	12,728.10	12,463.00	17.58	22.10	111.14	109.80	-1,101.46	1,007.48	970.39	37.08	27.167	
12,450.00	12,123.11	12,874.23	12,503.91	17.60	22.30	112.25	-30.08	-1,100.26	1,010.99	973.44	37.55	26.921	
12,476.17	12,123.94	12,954.05	12,510.87	17.61	22.48	112.43	-109.53	-1,099.58	1,011.55	973.92	37.64	26.877	
12,500.00	12,124.14	12,981.34	12,511.13	17.62	22.55	112.43	-136.81	-1,099.34	1,011.56	973.88	37.68	26.848	
12,600.00	12,125.02	13,081.34	12,512.00	17.69	22.85	112.43	-236.80	-1,098.48	1,011.56	973.57	37.99	26.629	
12,700.00	12,125.89	13,181.34	12,512.88	17.79	23.22	112.43	-336.79	-1,097.62	1,011.56	973.09	38.46	26.299	
12,800.00	12,126.76	13,281.34	12,513.75	17.95	23.64	112.43	-436.79	-1,096.76	1,011.56	972.46	39.10	25.869	
12,900.00	12,127.63	13,381.34	12,514.62	18.21	24.13	112.43	-536.78	-1,095.90	1,011.56	971.66	39.90	25.355	
13,000.00	12,128.50	13,481.34	12,515.49	18.61	24.66	112.43	-636.77	-1,095.04	1,011.56	970.73	40.83	24.773	
13,100.00	12,129.37	13,581.34	12,516.37	19.18	25.25	112.43	-736.76	-1,094.18	1,011.56	969.66	41.91	24.139	
13,200.00	12,130.24	13,681.34	12,517.24	19.87	25.88	112.43	-836.76	-1,093.32	1,011.56	968.46	43.10	23.469	
13,300.00	12,131.11	13,781.34	12,518.11	20.66	26.56	112.43	-936.75	-1,092.46	1,011.56	967.15	44.42	22.775	
13,400.00	12,131.99	13,881.34	12,518.99	21.53	27.29	112.43	-1,036.74	-1,091.60	1,011.56	965.73	45.83	22.071	
13,500.00	12,132.86	13,981.34	12,519.86	22.45	28.06	112.43	-1,136.73	-1,090.73	1,011.56	964.22	47.34	21.366	
13,600.00	12,133.73	14,081.34	12,520.73	23.43	28.87	112.43	-1,236.73	-1,089.87	1,011.57	962.62	48.94	20.668	
13,700.00	12,134.60	14,181.34	12,521.61	24.44	29.72	112.43	-1,336.72	-1,089.01	1,011.57	960.94	50.62	19.983	
13,800.00	12,135.47	14,281.34	12,522.48	25.50	30.61	112.43	-1,436.71	-1,088.15	1,011.57	959.20	52.37	19.316	
13,900.00	12,136.34	14,381.34	12,523.35	26.58	31.52	112.43	-1,536.70	-1,087.29	1,011.57	957.39	54.18	18.670	

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 135H
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 135H	**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
14,000.00	12,137.21	14,481.34	12,524.23	27.69	32.47	112.43	-1,636.70	-1,086.43	1,011.57	955.52	56.05	18.047	
14,100.00	12,138.08	14,581.34	12,525.10	28.82	33.45	112.43	-1,736.69	-1,085.57	1,011.57	953.59	57.98	17.448	
14,200.00	12,138.96	14,681.34	12,525.97	29.98	34.45	112.43	-1,836.68	-1,084.71	1,011.57	951.63	59.95	16.875	
14,300.00	12,139.83	14,781.34	12,526.84	31.15	35.47	112.43	-1,936.67	-1,083.85	1,011.57	949.61	61.96	16.327	
14,400.00	12,140.70	14,881.34	12,527.72	32.33	36.52	112.43	-2,036.67	-1,082.99	1,011.57	947.56	64.01	15.803	
14,500.00	12,141.57	14,981.34	12,528.59	33.54	37.59	112.43	-2,136.66	-1,082.13	1,011.57	945.48	66.10	15.304	
14,600.00	12,142.44	15,081.34	12,529.46	34.75	38.67	112.43	-2,236.65	-1,081.27	1,011.58	943.36	68.22	14.829	
14,700.00	12,143.31	15,181.34	12,530.34	35.98	39.78	112.43	-2,336.64	-1,080.41	1,011.58	941.21	70.36	14.377	
14,800.00	12,144.18	15,281.34	12,531.21	37.21	40.90	112.43	-2,436.64	-1,079.55	1,011.58	939.04	72.54	13.946	
14,900.00	12,145.05	15,381.34	12,532.08	38.46	42.03	112.43	-2,536.63	-1,078.69	1,011.58	936.84	74.73	13.536	
15,000.00	12,145.93	15,481.34	12,532.96	39.71	43.18	112.43	-2,636.62	-1,077.82	1,011.58	934.62	76.96	13.145	
15,100.00	12,146.80	15,581.34	12,533.83	40.97	44.34	112.43	-2,736.61	-1,076.96	1,011.58	932.38	79.20	12.773	
15,200.00	12,147.67	15,681.34	12,534.70	42.24	45.52	112.43	-2,836.61	-1,076.10	1,011.58	930.13	81.45	12.419	
15,300.00	12,148.54	15,781.34	12,535.57	43.51	46.70	112.43	-2,936.60	-1,075.24	1,011.58	927.85	83.73	12.081	
15,400.00	12,149.41	15,881.34	12,536.45	44.79	47.89	112.43	-3,036.59	-1,074.38	1,011.58	925.56	86.02	11.759	
15,500.00	12,150.28	15,981.34	12,537.32	46.08	49.10	112.43	-3,136.58	-1,073.52	1,011.58	923.25	88.33	11.452	
15,600.00	12,151.15	16,081.34	12,538.19	47.37	50.31	112.43	-3,236.58	-1,072.66	1,011.59	920.94	90.65	11.159	
15,700.00	12,152.02	16,181.34	12,539.07	48.66	51.53	112.44	-3,336.57	-1,071.80	1,011.59	918.60	92.98	10.879	
15,800.00	12,152.90	16,281.34	12,539.94	49.96	52.76	112.44	-3,436.56	-1,070.94	1,011.59	916.26	95.32	10.612	
15,900.00	12,153.77	16,381.34	12,540.81	51.26	53.99	112.44	-3,536.55	-1,070.08	1,011.59	913.91	97.68	10.356	
16,000.00	12,154.64	16,481.34	12,541.69	52.57	55.23	112.44	-3,636.55	-1,069.22	1,011.59	911.55	100.04	10.111	
16,100.00	12,155.51	16,581.34	12,542.56	53.88	56.48	112.44	-3,736.54	-1,068.36	1,011.59	909.17	102.42	9.877	
16,200.00	12,156.38	16,681.34	12,543.43	55.19	57.73	112.44	-3,836.53	-1,067.50	1,011.59	906.79	104.80	9.653	
16,300.00	12,157.25	16,781.34	12,544.31	56.50	58.99	112.44	-3,936.52	-1,066.64	1,011.59	904.40	107.19	9.437	
16,400.00	12,158.12	16,881.34	12,545.18	57.82	60.25	112.44	-4,036.52	-1,065.78	1,011.59	902.01	109.59	9.231	
16,500.00	12,158.99	16,981.34	12,546.05	59.14	61.52	112.44	-4,136.51	-1,064.92	1,011.59	899.60	111.99	9.033	
16,600.00	12,159.87	17,081.34	12,546.92	60.46	62.79	112.44	-4,236.50	-1,064.05	1,011.59	897.19	114.40	8.842	
16,700.00	12,160.74	17,181.34	12,547.80	61.79	64.06	112.44	-4,336.49	-1,063.19	1,011.60	894.78	116.82	8.659	
16,800.00	12,161.61	17,281.34	12,548.67	63.11	65.34	112.44	-4,436.49	-1,062.33	1,011.60	892.35	119.24	8.483	
16,900.00	12,162.48	17,381.34	12,549.54	64.44	66.62	112.44	-4,536.48	-1,061.47	1,011.60	889.93	121.67	8.314	
17,000.00	12,163.35	17,481.34	12,550.42	65.77	67.91	112.44	-4,636.47	-1,060.61	1,011.60	887.49	124.11	8.151	
17,100.00	12,164.22	17,581.34	12,551.29	67.10	69.20	112.44	-4,736.46	-1,059.75	1,011.60	885.05	126.54	7.994	
17,200.00	12,165.09	17,681.34	12,552.16	68.43	70.49	112.44	-4,836.46	-1,058.89	1,011.60	882.61	128.99	7.843	
17,300.00	12,165.96	17,781.34	12,553.04	69.77	71.79	112.44	-4,936.45	-1,058.03	1,011.60	880.17	131.44	7.697	
17,400.00	12,166.84	17,881.34	12,553.91	71.10	73.09	112.44	-5,036.44	-1,057.17	1,011.60	877.72	133.89	7.556	
17,500.00	12,167.71	17,981.34	12,554.78	72.44	74.39	112.44	-5,136.43	-1,056.31	1,011.60	875.26	136.34	7.420	
17,600.00	12,168.58	18,081.34	12,555.65	73.78	75.69	112.44	-5,236.43	-1,055.45	1,011.60	872.80	138.80	7.288	
17,700.00	12,169.45	18,181.34	12,556.53	75.12	77.00	112.44	-5,336.42	-1,054.59	1,011.61	870.34	141.26	7.161	
17,800.00	12,170.32	18,281.34	12,557.40	76.46	78.31	112.44	-5,436.41	-1,053.73	1,011.61	867.88	143.73	7.038	
17,900.00	12,171.19	18,381.34	12,558.27	77.80	79.62	112.44	-5,536.40	-1,052.87	1,011.61	865.41	146.20	6.919	
18,000.00	12,172.06	18,481.34	12,559.15	79.14	80.93	112.44	-5,636.40	-1,052.01	1,011.61	862.94	148.67	6.804	
18,100.00	12,172.93	18,581.34	12,560.02	80.48	82.24	112.44	-5,736.39	-1,051.14	1,011.61	860.46	151.15	6.693	
18,200.00	12,173.81	18,681.34	12,560.89	81.83	83.56	112.44	-5,836.38	-1,050.28	1,011.61	857.99	153.62	6.585	
18,300.00	12,174.68	18,781.34	12,561.77	83.17	84.87	112.44	-5,936.37	-1,049.42	1,011.61	855.51	156.10	6.480	
18,400.00	12,175.55	18,881.34	12,562.64	84.52	86.19	112.44	-6,036.37	-1,048.56	1,011.61	853.03	158.58	6.379	
18,500.00	12,176.42	18,981.34	12,563.51	85.86	87.51	112.44	-6,136.36	-1,047.70	1,011.61	850.54	161.07	6.281	
18,600.00	12,177.29	19,081.34	12,564.39	87.21	88.84	112.44	-6,236.35	-1,046.84	1,011.61	848.06	163.56	6.185	
18,700.00	12,178.16	19,181.34	12,565.26	88.56	90.16	112.44	-6,336.34	-1,045.98	1,011.62	845.57	166.05	6.092	
18,800.00	12,179.03	19,281.34	12,566.13	89.91	91.49	112.44	-6,436.34	-1,045.12	1,011.62	843.08	168.54	6.002	
18,900.00	12,179.90	19,381.34	12,567.00	91.26	92.81	112.44	-6,536.33	-1,044.26	1,011.62	840.59	171.03	5.915	
19,000.00	12,180.78	19,481.34	12,567.88	92.61	94.14	112.44	-6,636.32	-1,043.40	1,011.62	838.09	173.52	5.830	
19,100.00	12,181.65	19,581.34	12,568.75	93.96	95.47	112.44	-6,736.31	-1,042.54	1,011.62	835.60	176.02	5.747	

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 135H
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 135H	**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
19,200.00	12,182.52	19,681.34	12,569.62	95.31	96.80	112.44	-6,836.31	-1,041.68	1,011.62	833.10	178.52	5.667	
19,300.00	12,183.39	19,781.34	12,570.50	96.66	98.13	112.44	-6,936.30	-1,040.82	1,011.62	830.60	181.02	5.588	
19,400.00	12,184.26	19,881.34	12,571.37	98.01	99.46	112.44	-7,036.29	-1,039.96	1,011.62	828.10	183.52	5.512	
19,500.00	12,185.13	19,981.34	12,572.24	99.36	100.80	112.44	-7,136.28	-1,039.10	1,011.62	825.60	186.02	5.438	
19,600.00	12,186.00	20,081.34	12,573.12	100.72	102.13	112.44	-7,236.28	-1,038.24	1,011.62	823.10	188.53	5.366	
19,700.00	12,186.87	20,181.34	12,573.99	102.07	103.46	112.44	-7,336.27	-1,037.37	1,011.62	820.59	191.03	5.296	
19,800.00	12,187.75	20,281.34	12,574.86	103.42	104.80	112.44	-7,436.26	-1,036.51	1,011.63	818.09	193.54	5.227	
19,900.00	12,188.62	20,381.34	12,575.74	104.78	106.14	112.44	-7,536.25	-1,035.65	1,011.63	815.58	196.05	5.160	
20,000.00	12,189.49	20,481.34	12,576.61	106.13	107.48	112.44	-7,636.25	-1,034.79	1,011.63	813.07	198.56	5.095	
20,100.00	12,190.36	20,581.34	12,577.48	107.49	108.81	112.44	-7,736.24	-1,033.93	1,011.63	810.56	201.07	5.031	
20,200.00	12,191.23	20,681.34	12,578.35	108.84	110.15	112.44	-7,836.23	-1,033.07	1,011.63	808.05	203.58	4.969	
20,300.00	12,192.10	20,781.34	12,579.23	110.20	111.49	112.44	-7,936.22	-1,032.21	1,011.63	805.54	206.09	4.909	
20,400.00	12,192.97	20,881.34	12,580.10	111.55	112.83	112.44	-8,036.22	-1,031.35	1,011.63	803.02	208.61	4.849	
20,500.00	12,193.85	20,981.34	12,580.97	112.91	114.18	112.44	-8,136.21	-1,030.49	1,011.63	800.51	211.12	4.792	
20,600.00	12,194.72	21,081.34	12,581.85	114.27	115.52	112.44	-8,236.20	-1,029.63	1,011.63	798.00	213.64	4.735	
20,700.00	12,195.59	21,181.34	12,582.72	115.62	116.86	112.44	-8,336.19	-1,028.77	1,011.63	795.48	216.16	4.680	
20,800.00	12,196.46	21,281.34	12,583.59	116.98	118.20	112.44	-8,436.19	-1,027.91	1,011.64	792.96	218.67	4.626	
20,900.00	12,197.33	21,381.34	12,584.47	118.34	119.55	112.44	-8,536.18	-1,027.05	1,011.64	790.44	221.19	4.574	
21,000.00	12,198.20	21,481.34	12,585.34	119.70	120.89	112.44	-8,636.17	-1,026.19	1,011.64	787.93	223.71	4.522	
21,100.00	12,199.07	21,581.34	12,586.21	121.05	122.24	112.44	-8,736.16	-1,025.33	1,011.64	785.41	226.23	4.472	
21,200.00	12,199.94	21,681.34	12,587.08	122.41	123.58	112.44	-8,836.16	-1,024.46	1,011.64	782.89	228.75	4.422	
21,300.00	12,200.82	21,781.34	12,587.96	123.77	124.93	112.44	-8,936.15	-1,023.60	1,011.64	780.37	231.27	4.374	
21,400.00	12,201.69	21,881.34	12,588.83	125.13	126.28	112.44	-9,036.14	-1,022.74	1,011.64	777.84	233.80	4.327	
21,500.00	12,202.56	21,981.34	12,589.70	126.49	127.62	112.44	-9,136.13	-1,021.88	1,011.64	775.32	236.32	4.281	
21,600.00	12,203.43	22,081.34	12,590.58	127.85	128.97	112.44	-9,236.13	-1,021.02	1,011.64	772.80	238.85	4.236	
21,700.00	12,204.30	22,181.34	12,591.45	129.21	130.32	112.44	-9,336.12	-1,020.16	1,011.64	770.27	241.37	4.191	
21,800.00	12,205.17	22,281.34	12,592.32	130.57	131.67	112.44	-9,436.11	-1,019.30	1,011.65	767.75	243.90	4.148	
21,900.00	12,206.04	22,381.34	12,593.20	131.93	133.02	112.44	-9,536.10	-1,018.44	1,011.65	765.22	246.42	4.105	
22,000.00	12,206.91	22,481.34	12,594.07	133.29	134.37	112.44	-9,636.10	-1,017.58	1,011.65	762.70	248.95	4.064	
22,100.00	12,207.79	22,581.34	12,594.94	134.65	135.72	112.44	-9,736.09	-1,016.72	1,011.65	760.17	251.48	4.023	
22,200.00	12,208.66	22,681.34	12,595.82	136.01	137.07	112.44	-9,836.08	-1,015.86	1,011.65	757.65	254.00	3.983	
22,300.00	12,209.53	22,781.34	12,596.69	137.37	138.42	112.44	-9,936.07	-1,015.00	1,011.65	755.12	256.53	3.944	
22,400.00	12,210.40	22,881.34	12,597.56	138.73	139.77	112.44	-10,036.07	-1,014.14	1,011.65	752.59	259.06	3.905	
22,411.61	12,210.50	22,892.95	12,597.66	138.89	139.93	112.44	-10,047.68	-1,014.04	1,011.65	752.30	259.35	3.901	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 135H
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 135H	**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	-7.70	185.00	-25.00	186.68				
100.00	100.00	100.00	100.00	0.98	0.98	-7.70	185.00	-25.00	186.68	184.72	1.96	95.140	
200.00	200.00	200.00	200.00	1.56	1.56	-7.70	185.00	-25.00	186.68	183.56	3.12	59.791	
300.00	300.00	300.00	300.00	1.98	1.98	-7.70	185.00	-25.00	186.68	182.72	3.96	47.114	
400.00	400.00	400.00	400.00	2.33	2.33	-7.70	185.00	-25.00	186.68	182.02	4.66	40.070	
500.00	500.00	500.00	500.00	2.63	2.63	-7.70	185.00	-25.00	186.68	181.41	5.27	35.430	
600.00	600.00	600.00	600.00	2.91	2.91	-7.70	185.00	-25.00	186.68	180.86	5.82	32.075	
700.00	700.00	700.00	700.00	3.16	3.16	-7.70	185.00	-25.00	186.68	180.35	6.33	29.503	
800.00	800.00	800.00	800.00	3.40	3.40	-7.70	185.00	-25.00	186.68	179.88	6.80	27.448	
900.00	899.99	899.99	899.99	3.68	3.62	12.63	185.00	-25.00	185.40	178.10	7.30	25.397	
1,000.00	999.91	999.91	999.91	3.94	3.84	12.91	185.00	-25.00	181.58	173.80	7.77	23.359	
1,100.00	1,099.77	1,099.77	1,099.77	4.15	4.04	13.29	185.00	-25.00	176.48	168.30	8.18	21.575	
1,200.00	1,199.63	1,199.63	1,199.63	4.35	4.23	13.69	185.00	-25.00	171.39	162.81	8.57	19.991	
1,250.43	1,250.00	1,250.00	1,250.00	4.40	4.33	13.90	185.00	-25.00	168.82	160.11	8.72	19.365	
1,300.00	1,299.48	1,299.48	1,299.48	4.45	4.42	14.16	185.00	-25.00	166.00	157.13	8.86	18.728	
1,400.00	1,399.17	1,399.17	1,399.17	4.69	4.60	14.88	185.00	-25.00	158.41	149.13	9.28	17.064	
1,500.00	1,498.62	1,498.62	1,498.62	4.93	4.77	15.96	185.00	-25.00	148.34	138.65	9.69	15.305	
1,550.47	1,548.70	1,548.70	1,548.70	4.99	4.86	16.68	185.00	-25.00	142.33	132.49	9.84	14.469	
1,600.00	1,597.81	1,597.81	1,597.81	5.05	4.94	17.46	185.00	-25.00	136.15	126.17	9.98	13.649	
1,700.00	1,696.95	1,696.95	1,696.95	5.25	5.11	19.27	185.00	-25.00	123.75	113.41	10.33	11.976	
1,800.00	1,796.09	1,796.09	1,796.09	5.44	5.27	21.48	185.00	-25.00	111.49	100.81	10.68	10.436	
1,900.00	1,895.24	1,895.24	1,895.24	5.64	5.43	24.23	185.00	-25.00	99.45	88.42	11.03	9.017	
2,000.00	1,994.38	1,994.38	1,994.38	5.83	5.58	27.73	185.00	-25.00	87.69	76.32	11.37	7.714	
2,100.00	2,093.53	2,093.53	2,093.53	6.03	5.73	32.28	185.00	-25.00	76.35	64.66	11.70	6.528	
2,200.00	2,192.67	2,192.67	2,192.67	6.22	5.88	38.36	185.00	-25.00	65.65	53.64	12.01	5.466	
2,300.00	2,291.82	2,290.51	2,290.51	6.42	6.05	46.78	185.82	-24.30	57.02	44.69	12.33	4.624	
2,400.00	2,390.96	2,388.45	2,388.37	6.61	6.22	57.94	188.54	-21.98	52.61	39.98	12.63	4.165	
2,440.22	2,430.84	2,427.86	2,427.73	6.69	6.29	62.85	190.17	-20.59	52.21	39.46	12.75	4.095	CC, ES
2,500.00	2,490.11	2,486.45	2,486.18	6.81	6.39	70.05	193.17	-18.03	53.10	40.18	12.92	4.110	
2,600.00	2,589.25	2,584.41	2,583.76	7.00	6.56	80.57	199.70	-12.45	58.33	45.12	13.21	4.416	
2,700.00	2,688.39	2,682.18	2,680.90	7.20	6.73	88.10	208.12	-5.27	67.46	53.96	13.51	4.995	
2,800.00	2,787.54	2,780.45	2,778.26	7.39	6.83	92.92	218.26	3.39	79.39	65.62	13.76	5.768	
2,900.00	2,886.68	2,879.52	2,876.37	7.59	6.97	96.38	228.75	12.33	92.00	77.93	14.08	6.536	
3,000.00	2,985.83	2,978.59	2,974.47	7.78	7.12	99.00	239.23	21.28	104.87	90.47	14.40	7.282	
3,100.00	3,084.97	3,077.66	3,072.58	7.98	7.27	101.04	249.72	30.23	117.91	103.18	14.73	8.003	
3,200.00	3,184.12	3,176.73	3,170.68	8.17	7.42	102.67	260.20	39.18	131.06	116.00	15.07	8.700	
3,300.00	3,283.26	3,275.79	3,268.79	8.36	7.57	104.01	270.69	48.12	144.31	128.90	15.40	9.370	
3,400.00	3,382.40	3,374.86	3,366.89	8.56	7.73	105.12	281.17	57.07	157.61	141.87	15.74	10.015	
3,500.00	3,481.55	3,473.93	3,465.00	8.75	7.89	106.06	291.66	66.02	170.96	154.89	16.08	10.634	
3,600.00	3,580.69	3,573.00	3,563.10	8.95	8.05	106.86	302.14	74.97	184.36	167.94	16.42	11.229	
3,700.00	3,679.84	3,672.07	3,661.21	9.14	8.21	107.55	312.63	83.91	197.78	181.02	16.76	11.801	
3,800.00	3,778.98	3,771.14	3,759.31	9.33	8.37	108.16	323.11	92.86	211.23	194.13	17.10	12.350	
3,900.00	3,878.13	3,870.20	3,857.42	9.53	8.53	108.69	333.60	101.81	224.70	207.25	17.45	12.878	
4,000.00	3,977.27	3,969.27	3,955.52	9.72	8.70	109.16	344.08	110.76	238.18	220.39	17.79	13.386	
4,100.00	4,076.42	4,068.34	4,053.63	9.91	8.86	109.58	354.57	119.71	251.68	233.54	18.14	13.874	
4,200.00	4,175.56	4,167.41	4,151.73	10.11	9.03	109.96	365.05	128.65	265.19	246.70	18.49	14.343	
4,300.00	4,274.70	4,266.48	4,249.84	10.30	9.20	110.30	375.54	137.60	278.71	259.88	18.84	14.795	
4,400.00	4,373.85	4,365.55	4,347.94	10.49	9.37	110.61	386.02	146.55	292.25	273.06	19.19	15.230	
4,500.00	4,472.99	4,464.62	4,446.05	10.69	9.54	110.90	396.51	155.50	305.78	286.24	19.54	15.650	
4,600.00	4,572.14	4,563.68	4,544.15	10.88	9.71	111.16	406.99	164.44	319.33	299.44	19.89	16.054	
4,700.00	4,671.28	4,662.75	4,642.26	11.08	9.88	111.39	417.48	173.39	332.88	312.63	20.25	16.441	
4,702.13	4,673.39	4,664.86	4,644.35	11.08	9.89	111.40	417.70	173.58	333.17	312.91	20.25	16.450	

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 135H
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 135H	**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
4,800.00	4,770.58	4,761.89	4,740.43	11.28	10.06	111.60	427.97	182.34	345.98	325.39	20.59	16.802	
4,900.00	4,870.15	4,863.80	4,841.38	11.48	10.22	111.42	438.55	191.38	357.97	337.05	20.92	17.115	
5,000.00	4,969.93	4,969.67	4,946.56	11.67	10.41	111.11	447.71	199.19	367.57	346.33	21.25	17.300	
5,100.00	5,069.85	5,076.00	5,052.49	11.85	10.61	110.73	454.66	205.12	374.50	352.94	21.56	17.374	
5,200.00	5,169.84	5,182.65	5,158.96	11.99	10.79	110.27	459.38	209.15	378.74	356.91	21.82	17.353	
5,202.16	5,172.00	5,184.96	5,161.27	12.00	10.80	90.03	459.46	209.22	378.80	356.97	21.83	17.352	
5,300.00	5,269.84	5,289.52	5,265.78	12.08	10.97	89.67	461.84	211.25	380.71	358.65	22.06	17.258	
5,400.00	5,369.84	5,393.58	5,369.84	12.17	11.05	89.61	462.23	211.58	381.02	358.80	22.22	17.147	
5,500.00	5,469.84	5,493.58	5,469.84	12.26	11.14	89.61	462.23	211.58	381.02	358.62	22.40	17.010	
5,600.00	5,569.84	5,593.58	5,569.84	12.34	11.23	89.61	462.23	211.58	381.02	358.44	22.58	16.872	
5,700.00	5,669.84	5,693.58	5,669.84	12.43	11.33	89.61	462.23	211.58	381.02	358.25	22.76	16.737	
5,800.00	5,769.84	5,793.58	5,769.84	12.52	11.42	89.61	462.23	211.58	381.02	358.07	22.95	16.604	
5,900.00	5,869.84	5,893.58	5,869.84	12.61	11.52	89.61	462.23	211.58	381.02	357.89	23.13	16.474	
6,000.00	5,969.84	5,993.58	5,969.84	12.69	11.61	89.61	462.23	211.58	381.02	357.71	23.31	16.346	
6,100.00	6,069.84	6,093.58	6,069.84	12.78	11.70	89.61	462.23	211.58	381.02	357.53	23.49	16.220	
6,200.00	6,169.84	6,193.58	6,169.84	12.87	11.79	89.61	462.23	211.58	381.02	357.35	23.67	16.096	
6,300.00	6,269.84	6,293.58	6,269.84	12.96	11.89	89.61	462.23	211.58	381.02	357.17	23.85	15.974	
6,400.00	6,369.84	6,393.58	6,369.84	13.04	11.98	89.61	462.23	211.58	381.02	356.99	24.03	15.854	
6,500.00	6,469.84	6,493.58	6,469.84	13.13	12.07	89.61	462.23	211.58	381.02	356.81	24.21	15.736	
6,600.00	6,569.84	6,593.58	6,569.84	13.22	12.16	89.61	462.23	211.58	381.02	356.63	24.39	15.620	
6,700.00	6,669.84	6,693.58	6,669.84	13.30	12.26	89.61	462.23	211.58	381.02	356.45	24.57	15.506	
6,800.00	6,769.84	6,793.58	6,769.84	13.39	12.35	89.61	462.23	211.58	381.02	356.27	24.75	15.394	
6,900.00	6,869.84	6,893.58	6,869.84	13.48	12.44	89.61	462.23	211.58	381.02	356.09	24.93	15.283	
7,000.00	6,969.84	6,993.58	6,969.84	13.56	12.53	89.61	462.23	211.58	381.02	355.91	25.11	15.174	
7,100.00	7,069.84	7,093.58	7,069.84	13.65	12.62	89.61	462.23	211.58	381.02	355.73	25.29	15.067	
7,200.00	7,169.84	7,193.58	7,169.84	13.74	12.72	89.61	462.23	211.58	381.02	355.55	25.47	14.961	
7,300.00	7,269.84	7,293.58	7,269.84	13.82	12.81	89.61	462.23	211.58	381.02	355.37	25.65	14.857	
7,400.00	7,369.84	7,393.58	7,369.84	13.91	12.90	89.61	462.23	211.58	381.02	355.20	25.82	14.755	
7,500.00	7,469.84	7,493.58	7,469.84	14.00	12.99	89.61	462.23	211.58	381.02	355.02	26.00	14.654	
7,600.00	7,569.84	7,593.58	7,569.84	14.08	13.08	89.61	462.23	211.58	381.02	354.84	26.18	14.554	
7,700.00	7,669.84	7,693.58	7,669.84	14.17	13.17	89.61	462.23	211.58	381.02	354.66	26.36	14.456	
7,800.00	7,769.84	7,793.58	7,769.84	14.26	13.26	89.61	462.23	211.58	381.02	354.49	26.53	14.360	
7,900.00	7,869.84	7,893.58	7,869.84	14.34	13.35	89.61	462.23	211.58	381.02	354.31	26.71	14.265	
8,000.00	7,969.84	7,993.58	7,969.84	14.43	13.44	89.61	462.23	211.58	381.02	354.13	26.89	14.171	
8,100.00	8,069.84	8,093.58	8,069.84	14.51	13.53	89.61	462.23	211.58	381.02	353.95	27.06	14.078	
8,200.00	8,169.84	8,193.58	8,169.84	14.60	13.62	89.61	462.23	211.58	381.02	353.78	27.24	13.987	
8,300.00	8,269.84	8,293.58	8,269.84	14.69	13.71	89.61	462.23	211.58	381.02	353.60	27.42	13.897	
8,400.00	8,369.84	8,393.58	8,369.84	14.77	13.80	89.61	462.23	211.58	381.02	353.42	27.59	13.808	
8,500.00	8,469.84	8,493.58	8,469.84	14.86	13.89	89.61	462.23	211.58	381.02	353.25	27.77	13.721	
8,600.00	8,569.84	8,593.58	8,569.84	14.94	13.98	89.61	462.23	211.58	381.02	353.07	27.95	13.634	
8,700.00	8,669.84	8,693.58	8,669.84	15.03	14.07	89.61	462.23	211.58	381.02	352.90	28.12	13.549	
8,800.00	8,769.84	8,793.58	8,769.84	15.12	14.16	89.61	462.23	211.58	381.02	352.72	28.30	13.465	
8,900.00	8,869.84	8,893.58	8,869.84	15.20	14.25	89.61	462.23	211.58	381.02	352.55	28.47	13.382	
9,000.00	8,969.84	8,993.58	8,969.84	15.29	14.34	89.61	462.23	211.58	381.02	352.37	28.65	13.300	
9,100.00	9,069.84	9,093.58	9,069.84	15.37	14.43	89.61	462.23	211.58	381.02	352.20	28.82	13.219	
9,200.00	9,169.84	9,193.58	9,169.84	15.46	14.52	89.61	462.23	211.58	381.02	352.02	29.00	13.139	
9,300.00	9,269.84	9,293.58	9,269.84	15.54	14.61	89.61	462.23	211.58	381.02	351.85	29.17	13.060	
9,400.00	9,369.84	9,393.58	9,369.84	15.63	14.70	89.61	462.23	211.58	381.02	351.67	29.35	12.983	
9,500.00	9,469.84	9,493.58	9,469.84	15.71	14.79	89.61	462.23	211.58	381.02	351.50	29.52	12.906	
9,600.00	9,569.84	9,593.58	9,569.84	15.80	14.88	89.61	462.23	211.58	381.02	351.32	29.70	12.830	
9,700.00	9,669.84	9,693.58	9,669.84	15.89	14.97	89.61	462.23	211.58	381.02	351.15	29.87	12.755	
9,800.00	9,769.84	9,793.58	9,769.84	15.97	15.06	89.61	462.23	211.58	381.02	350.97	30.05	12.681	

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 135H
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 135H	**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	9,869.84	9,893.58	9,869.84	16.06	15.15	89.61	462.23	211.58	381.02	350.80	30.22	12.608	
10,000.00	9,969.84	9,993.58	9,969.84	16.14	15.23	89.61	462.23	211.58	381.02	350.62	30.39	12.536	
10,100.00	10,069.84	10,093.58	10,069.84	16.23	15.32	89.61	462.23	211.58	381.02	350.45	30.57	12.465	
10,200.00	10,169.84	10,193.58	10,169.84	16.31	15.41	89.61	462.23	211.58	381.02	350.28	30.74	12.394	
10,300.00	10,269.84	10,293.58	10,269.84	16.40	15.50	89.61	462.23	211.58	381.02	350.10	30.92	12.325	
10,400.00	10,369.84	10,393.58	10,369.84	16.48	15.59	89.61	462.23	211.58	381.02	349.93	31.09	12.256	
10,500.00	10,469.84	10,493.58	10,469.84	16.57	15.68	89.61	462.23	211.58	381.02	349.76	31.26	12.188	
10,600.00	10,569.84	10,593.58	10,569.84	16.65	15.77	89.61	462.23	211.58	381.02	349.58	31.44	12.121	
10,700.00	10,669.84	10,693.58	10,669.84	16.74	15.85	89.61	462.23	211.58	381.02	349.41	31.61	12.054	
10,800.00	10,769.84	10,793.58	10,769.84	16.82	15.94	89.61	462.23	211.58	381.02	349.24	31.78	11.988	
10,900.00	10,869.84	10,893.58	10,869.84	16.91	16.03	89.61	462.23	211.58	381.02	349.06	31.96	11.924	
11,000.00	10,969.84	10,993.58	10,969.84	16.99	16.12	89.61	462.23	211.58	381.02	348.89	32.13	11.859	
11,100.00	11,069.84	11,093.58	11,069.84	17.08	16.21	89.61	462.23	211.58	381.02	348.72	32.30	11.796	
11,200.00	11,169.84	11,193.58	11,169.84	17.16	16.29	89.61	462.23	211.58	381.02	348.55	32.47	11.733	
11,300.00	11,269.84	11,293.58	11,269.84	17.25	16.38	89.61	462.23	211.58	381.02	348.37	32.65	11.671	
11,400.00	11,369.84	11,393.58	11,369.84	17.33	16.47	89.61	462.23	211.58	381.02	348.20	32.82	11.610	
11,500.00	11,469.84	11,493.58	11,469.84	17.42	16.56	89.61	462.23	211.58	381.02	348.03	32.99	11.549	
11,581.16	11,551.00	11,574.74	11,551.00	17.48	16.63	89.61	462.23	211.58	381.02	347.90	33.12	11.504	
11,600.00	11,569.83	11,593.58	11,569.83	17.48	16.65	-89.94	462.23	211.58	381.02	347.88	33.14	11.498	
11,609.42	11,579.24	11,602.99	11,579.24	17.48	16.65	-90.00	462.23	211.58	381.02	347.88	33.14	11.497	
11,650.00	11,619.67	11,643.41	11,619.67	17.49	16.69	-90.51	462.23	211.58	381.03	347.88	33.15	11.494	
11,700.00	11,668.99	11,692.73	11,668.99	17.51	16.73	-91.70	462.23	211.58	381.19	348.05	33.14	11.501	
11,750.00	11,717.40	11,741.15	11,717.40	17.51	16.77	-93.45	462.23	211.58	381.77	348.65	33.12	11.527	
11,800.00	11,764.55	11,788.30	11,764.55	17.52	16.82	-95.65	462.23	211.58	383.17	350.09	33.08	11.583	
11,850.00	11,810.08	11,833.82	11,810.08	17.52	16.86	-98.16	462.23	211.58	385.91	352.87	33.04	11.681	
11,900.00	11,853.63	11,877.38	11,853.63	17.52	16.89	-100.82	462.23	211.58	390.55	357.56	32.99	11.838	
11,950.00	11,894.88	11,918.63	11,894.88	17.53	16.93	-103.46	462.23	211.58	397.70	364.75	32.95	12.069	
12,000.00	11,933.52	11,957.26	11,933.52	17.53	16.95	-105.89	462.23	211.58	407.93	375.00	32.93	12.388	
12,050.00	11,969.24	12,005.01	11,981.24	17.53	16.97	-109.02	460.95	211.59	421.30	388.38	32.92	12.797	
12,100.00	12,001.78	12,060.93	12,036.76	17.53	17.00	-112.48	454.51	211.65	436.89	403.88	33.01	13.235	
12,150.00	12,030.89	12,123.24	12,097.56	17.53	17.03	-116.00	440.99	211.76	454.16	420.85	33.31	13.633	
12,200.00	12,056.34	12,193.93	12,164.28	17.53	17.06	-119.63	417.78	211.96	472.53	438.55	33.98	13.908	
12,250.00	12,077.95	12,275.59	12,237.10	17.54	17.10	-123.36	380.99	212.28	491.23	456.08	35.15	13.976	
12,300.00	12,095.55	12,371.38	12,314.83	17.55	17.15	-127.12	325.20	212.76	509.25	472.30	36.95	13.782	
12,350.00	12,109.01	12,484.58	12,393.16	17.56	17.21	-130.68	243.73	213.46	525.33	485.97	39.37	13.345	
12,400.00	12,118.22	12,589.18	12,449.71	17.58	17.28	-132.92	155.94	214.22	537.88	496.50	41.38	12.999	
12,450.00	12,123.11	12,738.24	12,501.23	17.60	17.41	-135.13	16.63	215.42	545.22	501.32	43.90	12.419	
12,476.17	12,123.94	12,848.75	12,515.68	17.61	17.57	-135.80	-92.72	216.36	546.61	501.57	45.04	12.136	
12,500.00	12,124.14	12,881.47	12,516.11	17.62	17.63	-135.81	-125.43	216.64	546.65	501.50	45.15	12.107	
12,600.00	12,125.02	12,981.47	12,516.98	17.69	17.87	-135.81	-225.42	217.50	546.65	501.20	45.45	12.028	
12,700.00	12,125.89	13,081.47	12,517.86	17.79	18.22	-135.81	-325.41	218.36	546.65	500.82	45.83	11.928	
12,800.00	12,126.76	13,181.47	12,518.73	17.95	18.68	-135.81	-425.40	219.22	546.65	500.36	46.30	11.808	
12,900.00	12,127.63	13,281.47	12,519.60	18.21	19.25	-135.81	-525.40	220.08	546.65	499.81	46.84	11.670	
13,000.00	12,128.50	13,381.47	12,520.48	18.61	19.93	-135.81	-625.39	220.94	546.65	499.18	47.47	11.515	
13,100.00	12,129.37	13,481.47	12,521.35	19.18	20.68	-135.81	-725.38	221.81	546.66	498.48	48.18	11.347	
13,200.00	12,130.24	13,581.47	12,522.22	19.87	21.51	-135.81	-825.37	222.67	546.66	497.70	48.95	11.167	
13,300.00	12,131.11	13,681.47	12,523.10	20.66	22.40	-135.81	-925.37	223.53	546.66	496.86	49.80	10.977	
13,400.00	12,131.99	13,781.47	12,523.97	21.53	23.33	-135.81	-1,025.36	224.39	546.66	495.95	50.72	10.779	
13,500.00	12,132.86	13,881.47	12,524.84	22.45	24.31	-135.81	-1,125.35	225.25	546.66	494.97	51.69	10.576	
13,600.00	12,133.73	13,981.47	12,525.72	23.43	25.34	-135.81	-1,225.34	226.11	546.66	493.94	52.73	10.368	
13,700.00	12,134.60	14,081.47	12,526.59	24.44	26.39	-135.81	-1,325.34	226.97	546.67	492.85	53.82	10.158	
13,800.00	12,135.47	14,181.47	12,527.46	25.50	27.47	-135.81	-1,425.33	227.83	546.67	491.71	54.96	9.947	

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 135H
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 135H	**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
13,900.00	12,136.34	14,281.47	12,528.34	26.58	28.58	-135.81	-1,525.32	228.69	546.67	490.52	56.15	9.736	
14,000.00	12,137.21	14,381.47	12,529.21	27.69	29.71	-135.81	-1,625.31	229.55	546.67	489.28	57.39	9.526	
14,100.00	12,138.08	14,481.47	12,530.08	28.82	30.86	-135.81	-1,725.31	230.42	546.67	488.00	58.67	9.318	
14,200.00	12,138.96	14,581.47	12,530.96	29.98	32.03	-135.82	-1,825.30	231.28	546.67	486.68	59.99	9.112	
14,300.00	12,139.83	14,681.47	12,531.83	31.15	33.21	-135.82	-1,925.29	232.14	546.67	485.32	61.35	8.910	
14,400.00	12,140.70	14,781.47	12,532.70	32.33	34.41	-135.82	-2,025.28	233.00	546.68	483.93	62.75	8.712	
14,500.00	12,141.57	14,881.47	12,533.58	33.54	35.62	-135.82	-2,125.28	233.86	546.68	482.50	64.18	8.518	
14,600.00	12,142.44	14,981.47	12,534.45	34.75	36.84	-135.82	-2,225.27	234.72	546.68	481.04	65.63	8.329	
14,700.00	12,143.31	15,081.47	12,535.32	35.98	38.08	-135.82	-2,325.26	235.58	546.68	479.56	67.12	8.145	
14,800.00	12,144.18	15,181.47	12,536.20	37.21	39.32	-135.82	-2,425.25	236.44	546.68	478.05	68.64	7.965	
14,900.00	12,145.05	15,281.47	12,537.07	38.46	40.57	-135.82	-2,525.25	237.30	546.68	476.51	70.18	7.790	
15,000.00	12,145.93	15,381.47	12,537.94	39.71	41.82	-135.82	-2,625.24	238.16	546.69	474.94	71.74	7.620	
15,100.00	12,146.80	15,481.47	12,538.82	40.97	43.09	-135.82	-2,725.23	239.03	546.69	473.36	73.33	7.456	
15,200.00	12,147.67	15,581.47	12,539.69	42.24	44.36	-135.82	-2,825.22	239.89	546.69	471.76	74.93	7.296	
15,300.00	12,148.54	15,681.47	12,540.56	43.51	45.64	-135.82	-2,925.22	240.75	546.69	470.13	76.56	7.141	
15,400.00	12,149.41	15,781.47	12,541.44	44.79	46.92	-135.82	-3,025.21	241.61	546.69	468.49	78.20	6.991	
15,500.00	12,150.28	15,881.47	12,542.31	46.08	48.20	-135.82	-3,125.20	242.47	546.69	466.83	79.86	6.845	
15,600.00	12,151.15	15,981.47	12,543.18	47.37	49.50	-135.82	-3,225.19	243.33	546.69	465.15	81.54	6.705	
15,700.00	12,152.02	16,081.47	12,544.06	48.66	50.79	-135.82	-3,325.19	244.19	546.70	463.46	83.23	6.568	
15,800.00	12,152.90	16,181.47	12,544.93	49.96	52.09	-135.82	-3,425.18	245.05	546.70	461.76	84.94	6.436	
15,900.00	12,153.77	16,281.47	12,545.80	51.26	53.39	-135.82	-3,525.17	245.91	546.70	460.04	86.66	6.309	
16,000.00	12,154.64	16,381.47	12,546.68	52.57	54.70	-135.82	-3,625.16	246.77	546.70	458.31	88.39	6.185	
16,100.00	12,155.51	16,481.47	12,547.55	53.88	56.01	-135.82	-3,725.16	247.64	546.70	456.57	90.13	6.065	
16,200.00	12,156.38	16,581.47	12,548.42	55.19	57.32	-135.82	-3,825.15	248.50	546.70	454.81	91.89	5.950	
16,300.00	12,157.25	16,681.47	12,549.30	56.50	58.63	-135.82	-3,925.14	249.36	546.71	453.05	93.65	5.837	
16,400.00	12,158.12	16,781.47	12,550.17	57.82	59.95	-135.82	-4,025.13	250.22	546.71	451.28	95.43	5.729	
16,500.00	12,158.99	16,881.47	12,551.04	59.14	61.27	-135.82	-4,125.13	251.08	546.71	449.49	97.22	5.624	
16,600.00	12,159.87	16,981.47	12,551.92	60.46	62.59	-135.82	-4,225.12	251.94	546.71	447.70	99.01	5.522	
16,700.00	12,160.74	17,081.47	12,552.79	61.79	63.92	-135.82	-4,325.11	252.80	546.71	445.90	100.81	5.423	
16,800.00	12,161.61	17,181.47	12,553.66	63.11	65.24	-135.82	-4,425.10	253.66	546.71	444.09	102.62	5.328	
16,900.00	12,162.48	17,281.47	12,554.54	64.44	66.57	-135.82	-4,525.10	254.52	546.72	442.28	104.44	5.235	
17,000.00	12,163.35	17,381.47	12,555.41	65.77	67.90	-135.82	-4,625.09	255.38	546.72	440.45	106.26	5.145	
17,100.00	12,164.22	17,481.47	12,556.28	67.10	69.23	-135.82	-4,725.08	256.24	546.72	438.62	108.09	5.058	
17,200.00	12,165.09	17,581.47	12,557.16	68.43	70.56	-135.82	-4,825.07	257.11	546.72	436.79	109.93	4.973	
17,300.00	12,165.96	17,681.47	12,558.03	69.77	71.90	-135.82	-4,925.07	257.97	546.72	434.94	111.78	4.891	
17,400.00	12,166.84	17,781.47	12,558.91	71.10	73.23	-135.82	-5,025.06	258.83	546.72	433.10	113.63	4.812	
17,500.00	12,167.71	17,881.47	12,559.78	72.44	74.57	-135.82	-5,125.05	259.69	546.72	431.24	115.48	4.734	
17,600.00	12,168.58	17,981.47	12,560.65	73.78	75.90	-135.82	-5,225.04	260.55	546.73	429.38	117.34	4.659	
17,700.00	12,169.45	18,081.47	12,561.53	75.12	77.24	-135.82	-5,325.04	261.41	546.73	427.52	119.21	4.586	
17,800.00	12,170.32	18,181.47	12,562.40	76.46	78.58	-135.82	-5,425.03	262.27	546.73	425.65	121.08	4.515	
17,900.00	12,171.19	18,281.47	12,563.27	77.80	79.92	-135.82	-5,525.02	263.13	546.73	423.78	122.95	4.447	
18,000.00	12,172.06	18,381.47	12,564.15	79.14	81.26	-135.82	-5,625.01	263.99	546.73	421.90	124.83	4.380	
18,100.00	12,172.93	18,481.47	12,565.02	80.48	82.61	-135.82	-5,725.01	264.85	546.73	420.02	126.72	4.315	
18,200.00	12,173.81	18,581.47	12,565.89	81.83	83.95	-135.82	-5,825.00	265.72	546.74	418.13	128.61	4.251	
18,300.00	12,174.68	18,681.47	12,566.77	83.17	85.29	-135.82	-5,924.99	266.58	546.74	416.24	130.50	4.190	
18,400.00	12,175.55	18,781.47	12,567.64	84.52	86.64	-135.82	-6,024.98	267.44	546.74	414.35	132.39	4.130	
18,500.00	12,176.42	18,881.47	12,568.51	85.86	87.99	-135.82	-6,124.98	268.30	546.74	412.45	134.29	4.071	
18,600.00	12,177.29	18,981.47	12,569.39	87.21	89.33	-135.82	-6,224.97	269.16	546.74	410.55	136.19	4.014	
18,700.00	12,178.16	19,081.47	12,570.26	88.56	90.68	-135.82	-6,324.96	270.02	546.74	408.64	138.10	3.959	
18,800.00	12,179.03	19,181.47	12,571.13	89.91	92.03	-135.82	-6,424.95	270.88	546.74	406.74	140.01	3.905	
18,900.00	12,179.90	19,281.47	12,572.01	91.26	93.38	-135.82	-6,524.95	271.74	546.75	404.83	141.92	3.853	
19,000.00	12,180.78	19,381.47	12,572.88	92.61	94.73	-135.82	-6,624.94	272.60	546.75	402.91	143.83	3.801	

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 135H
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 135H	**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
19,100.00	12,181.65	19,481.47	12,573.75	93.96	96.08	-135.82	-6,724.93	273.46	546.75	401.00	145.75	3.751	
19,200.00	12,182.52	19,581.47	12,574.63	95.31	97.43	-135.82	-6,824.92	274.33	546.75	399.08	147.67	3.703	
19,300.00	12,183.39	19,681.47	12,575.50	96.66	98.78	-135.82	-6,924.92	275.19	546.75	397.16	149.59	3.655	
19,400.00	12,184.26	19,781.47	12,576.37	98.01	100.13	-135.82	-7,024.91	276.05	546.75	395.24	151.52	3.609	
19,500.00	12,185.13	19,881.47	12,577.25	99.36	101.48	-135.82	-7,124.90	276.91	546.76	393.31	153.44	3.563	
19,600.00	12,186.00	19,981.47	12,578.12	100.72	102.83	-135.82	-7,224.89	277.77	546.76	391.38	155.37	3.519	
19,700.00	12,186.87	20,081.47	12,578.99	102.07	104.18	-135.82	-7,324.89	278.63	546.76	389.46	157.30	3.476	
19,800.00	12,187.75	20,181.47	12,579.87	103.42	105.54	-135.82	-7,424.88	279.49	546.76	387.52	159.24	3.434	
19,900.00	12,188.62	20,281.47	12,580.74	104.78	106.89	-135.82	-7,524.87	280.35	546.76	385.59	161.17	3.392	
20,000.00	12,189.49	20,381.47	12,581.61	106.13	108.25	-135.82	-7,624.86	281.21	546.76	383.65	163.11	3.352	
20,100.00	12,190.36	20,481.47	12,582.49	107.49	109.60	-135.82	-7,724.86	282.07	546.76	381.72	165.05	3.313	
20,200.00	12,191.23	20,581.47	12,583.36	108.84	110.96	-135.82	-7,824.85	282.94	546.77	379.78	166.99	3.274	
20,300.00	12,192.10	20,681.47	12,584.23	110.20	112.31	-135.82	-7,924.84	283.80	546.77	377.84	168.93	3.237	
20,400.00	12,192.97	20,781.47	12,585.11	111.55	113.67	-135.82	-8,024.83	284.66	546.77	375.89	170.88	3.200	
20,500.00	12,193.85	20,881.47	12,585.98	112.91	115.02	-135.82	-8,124.83	285.52	546.77	373.95	172.82	3.164	
20,600.00	12,194.72	20,981.47	12,586.85	114.27	116.38	-135.82	-8,224.82	286.38	546.77	372.00	174.77	3.129	
20,700.00	12,195.59	21,081.47	12,587.73	115.62	117.74	-135.83	-8,324.81	287.24	546.77	370.05	176.72	3.094	
20,800.00	12,196.46	21,181.47	12,588.60	116.98	119.09	-135.83	-8,424.80	288.10	546.78	368.11	178.67	3.060	
20,900.00	12,197.33	21,281.47	12,589.47	118.34	120.45	-135.83	-8,524.80	288.96	546.78	366.15	180.62	3.027	
21,000.00	12,198.20	21,381.47	12,590.35	119.70	121.81	-135.83	-8,624.79	289.82	546.78	364.20	182.58	2.995	
21,100.00	12,199.07	21,481.47	12,591.22	121.05	123.16	-135.83	-8,724.78	290.68	546.78	362.25	184.53	2.963	
21,200.00	12,199.94	21,581.47	12,592.09	122.41	124.52	-135.83	-8,824.77	291.55	546.78	360.29	186.49	2.932	
21,300.00	12,200.82	21,681.47	12,592.97	123.77	125.88	-135.83	-8,924.77	292.41	546.78	358.34	188.44	2.902	
21,400.00	12,201.69	21,781.47	12,593.84	125.13	127.24	-135.83	-9,024.76	293.27	546.78	356.38	190.40	2.872	
21,500.00	12,202.56	21,881.47	12,594.71	126.49	128.60	-135.83	-9,124.75	294.13	546.79	354.42	192.36	2.842	
21,600.00	12,203.43	21,981.47	12,595.59	127.85	129.96	-135.83	-9,224.74	294.99	546.79	352.46	194.32	2.814	
21,700.00	12,204.30	22,081.47	12,596.46	129.21	131.32	-135.83	-9,324.74	295.85	546.79	350.50	196.28	2.786	
21,800.00	12,205.17	22,181.47	12,597.33	130.57	132.68	-135.83	-9,424.73	296.71	546.79	348.54	198.25	2.758	
21,900.00	12,206.04	22,281.47	12,598.21	131.93	134.04	-135.83	-9,524.72	297.57	546.79	346.58	200.21	2.731	
22,000.00	12,206.91	22,381.47	12,599.08	133.29	135.39	-135.83	-9,624.71	298.43	546.79	344.62	202.18	2.705	
22,100.00	12,207.79	22,481.47	12,599.96	134.65	136.75	-135.83	-9,724.71	299.29	546.80	342.65	204.14	2.678	
22,200.00	12,208.66	22,581.47	12,600.83	136.01	138.12	-135.83	-9,824.70	300.15	546.80	340.69	206.11	2.653	
22,300.00	12,209.53	22,681.47	12,601.70	137.37	139.48	-135.83	-9,924.69	301.02	546.80	338.72	208.08	2.628	
22,400.00	12,210.40	22,781.47	12,602.58	138.73	140.84	-135.83	-10,024.68	301.88	546.80	336.75	210.05	2.603	
22,411.61	12,210.50	22,793.08	12,602.68	138.89	140.99	-135.83	-10,036.29	301.98	546.80	336.53	210.27	2.600	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 135H
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 135H	**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
1,550.47	1,548.70	2,184.26	2,164.44	4.99	6.33	91.17	883.60	2,170.13	2,421.12	2,410.29	10.83	223.577	
1,600.00	1,597.81	2,231.32	2,209.90	5.05	6.45	91.38	876.95	2,159.93	2,408.60	2,397.61	10.99	219.174	
1,700.00	1,696.95	2,326.33	2,301.67	5.25	6.71	91.83	863.52	2,139.32	2,383.43	2,372.04	11.38	209.400	
1,800.00	1,796.09	2,421.35	2,393.45	5.44	6.99	92.29	850.10	2,118.72	2,358.40	2,346.62	11.78	200.186	
1,900.00	1,895.24	2,516.36	2,485.23	5.64	7.27	92.75	836.67	2,098.11	2,333.52	2,321.34	12.18	191.553	
2,000.00	1,994.38	2,611.38	2,577.00	5.83	7.57	93.23	823.24	2,077.51	2,308.80	2,296.21	12.59	183.452	
2,100.00	2,093.53	2,706.39	2,668.78	6.03	7.86	93.71	809.82	2,056.91	2,284.23	2,271.24	12.99	175.838	
2,200.00	2,192.67	2,801.40	2,760.55	6.22	8.17	94.21	796.39	2,036.30	2,259.83	2,246.43	13.40	168.671	
2,300.00	2,291.82	2,896.42	2,852.33	6.42	8.47	94.71	782.96	2,015.70	2,235.59	2,221.78	13.81	161.913	
2,400.00	2,390.96	2,991.43	2,944.11	6.61	8.78	95.23	769.54	1,995.09	2,211.53	2,197.31	14.22	155.533	
2,500.00	2,490.11	3,086.45	3,035.88	6.81	9.09	95.75	756.11	1,974.49	2,187.65	2,173.02	14.63	149.502	
2,600.00	2,589.25	3,181.46	3,127.66	7.00	9.40	96.29	742.68	1,953.89	2,163.95	2,148.90	15.05	143.792	
2,700.00	2,688.39	3,276.47	3,219.43	7.20	9.72	96.84	729.26	1,933.28	2,140.45	2,124.98	15.47	138.380	
2,800.00	2,787.54	3,371.49	3,311.21	7.39	10.04	97.40	715.83	1,912.68	2,117.14	2,101.25	15.89	133.245	
2,900.00	2,886.68	3,466.50	3,402.99	7.59	10.36	97.97	702.40	1,892.07	2,094.04	2,077.73	16.31	128.368	
3,000.00	2,985.83	3,561.52	3,494.76	7.78	10.68	98.55	688.98	1,871.47	2,071.15	2,054.42	16.74	123.729	
3,100.00	3,084.97	3,656.53	3,586.54	7.98	11.00	99.15	675.55	1,850.87	2,048.49	2,031.32	17.17	119.314	
3,200.00	3,184.12	3,751.54	3,678.32	8.17	11.33	99.76	662.12	1,830.26	2,026.04	2,008.44	17.60	115.108	
3,300.00	3,283.26	3,846.56	3,770.09	8.36	11.65	100.38	648.70	1,809.66	2,003.83	1,985.80	18.04	111.097	
3,400.00	3,382.40	3,941.57	3,861.87	8.56	11.98	101.02	635.27	1,789.05	1,981.87	1,963.39	18.48	107.269	
3,500.00	3,481.55	4,036.59	3,953.64	8.75	12.30	101.67	621.84	1,768.45	1,960.15	1,941.23	18.92	103.613	
3,600.00	3,580.69	4,131.60	4,045.42	8.95	12.63	102.33	608.42	1,747.85	1,938.69	1,919.32	19.36	100.119	
3,700.00	3,679.84	4,226.61	4,137.20	9.14	12.96	103.00	594.99	1,727.24	1,917.50	1,897.68	19.81	96.778	
3,800.00	3,778.98	4,321.63	4,228.97	9.33	13.29	103.70	581.56	1,706.64	1,896.58	1,876.31	20.27	93.580	
3,900.00	3,878.13	4,416.64	4,320.75	9.53	13.62	104.40	568.13	1,686.03	1,875.95	1,855.22	20.72	90.518	
4,000.00	3,977.27	4,511.66	4,412.52	9.72	13.95	105.12	554.71	1,665.43	1,855.61	1,834.42	21.19	87.586	
4,100.00	4,076.42	4,600.00	4,497.86	9.91	14.26	105.80	542.22	1,646.27	1,835.59	1,813.95	21.64	84.830	
4,200.00	4,175.56	4,670.96	4,566.58	10.11	14.50	106.35	532.56	1,631.44	1,816.73	1,794.66	22.07	82.320	
4,300.00	4,274.70	4,738.40	4,632.17	10.30	14.72	106.86	524.02	1,618.34	1,799.68	1,777.19	22.49	80.030	
4,400.00	4,373.85	4,800.00	4,692.33	10.49	14.91	107.32	516.78	1,607.23	1,784.44	1,761.55	22.89	77.966	
4,500.00	4,472.99	4,875.11	4,765.95	10.69	15.12	107.86	508.66	1,594.77	1,770.96	1,747.66	23.30	75.995	
4,600.00	4,572.14	4,944.31	4,834.03	10.88	15.30	108.34	501.89	1,584.38	1,759.29	1,735.59	23.70	74.236	
4,700.00	4,671.28	5,000.00	4,888.97	11.08	15.44	108.72	496.92	1,576.76	1,749.48	1,725.42	24.06	72.719	
4,702.13	4,673.39	5,015.52	4,904.30	11.08	15.47	108.82	495.62	1,574.76	1,749.21	1,725.11	24.10	72.594	
4,800.00	4,770.58	5,084.35	4,972.43	11.28	15.63	109.13	490.24	1,566.50	1,740.86	1,716.41	24.45	71.192	
4,900.00	4,870.15	5,155.34	5,042.86	11.48	15.77	109.37	485.40	1,559.07	1,733.19	1,708.41	24.79	69.922	
5,000.00	4,969.93	5,226.89	5,114.00	11.67	15.90	109.56	481.24	1,552.69	1,726.33	1,701.24	25.09	68.808	
5,100.00	5,069.85	5,300.00	5,186.83	11.85	16.02	109.68	477.74	1,547.33	1,720.24	1,694.88	25.36	67.835	
5,200.00	5,169.84	5,371.17	5,257.83	11.99	16.12	109.72	475.07	1,543.22	1,714.88	1,689.30	25.58	67.041	
5,202.16	5,172.00	5,372.73	5,259.39	12.00	16.12	89.49	475.02	1,543.15	1,714.77	1,689.19	25.58	67.024	
5,300.00	5,269.84	5,443.65	5,330.22	12.08	16.21	89.55	473.09	1,540.19	1,710.67	1,684.90	25.77	66.383	
5,400.00	5,369.84	5,516.25	5,402.78	12.17	16.28	89.59	471.86	1,538.30	1,708.06	1,682.12	25.94	65.849	
5,500.00	5,469.84	5,598.47	5,485.00	12.26	16.34	89.61	471.38	1,537.56	1,707.08	1,681.00	26.08	65.453	
5,538.39	5,508.22	5,623.70	5,510.22	12.29	16.35	89.61	471.38	1,537.56	1,707.03	1,680.92	26.11	65.376	
5,600.00	5,569.84	5,685.31	5,571.84	12.34	16.37	89.61	471.38	1,537.56	1,707.03	1,680.84	26.19	65.184	
5,700.00	5,669.84	5,785.31	5,671.84	12.43	16.40	89.61	471.38	1,537.56	1,707.03	1,680.72	26.31	64.874	
5,800.00	5,769.84	5,885.31	5,771.84	12.52	16.44	89.61	471.38	1,537.56	1,707.03	1,680.59	26.44	64.567	
5,900.00	5,869.84	5,985.31	5,871.84	12.61	16.48	89.61	471.38	1,537.56	1,707.03	1,680.47	26.56	64.262	
6,000.00	5,969.84	6,085.31	5,971.84	12.69	16.52	89.61	471.38	1,537.56	1,707.03	1,680.34	26.69	63.959	
6,100.00	6,069.84	6,185.31	6,071.84	12.78	16.55	89.61	471.38	1,537.56	1,707.03	1,680.22	26.82	63.659	
6,200.00	6,169.84	6,285.31	6,171.84	12.87	16.59	89.61	471.38	1,537.56	1,707.03	1,680.09	26.94	63.360	
6,300.00	6,269.84	6,385.31	6,271.84	12.96	16.63	89.61	471.38	1,537.56	1,707.03	1,679.96	27.07	63.064	

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 135H
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 135H	**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
6,400.00	6,369.84	6,485.31	6,371.84	13.04	16.67	89.61	471.38	1,537.56	1,707.03	1,679.84	27.19	62.770	
6,500.00	6,469.84	6,585.31	6,471.84	13.13	16.71	89.61	471.38	1,537.56	1,707.03	1,679.71	27.32	62.478	
6,600.00	6,569.84	6,685.31	6,571.84	13.22	16.75	89.61	471.38	1,537.56	1,707.03	1,679.58	27.45	62.188	
6,700.00	6,669.84	6,785.31	6,671.84	13.30	16.79	89.61	471.38	1,537.56	1,707.03	1,679.45	27.58	61.901	
6,800.00	6,769.84	6,885.31	6,771.84	13.39	16.83	89.61	471.38	1,537.56	1,707.03	1,679.33	27.70	61.615	
6,900.00	6,869.84	6,985.31	6,871.84	13.48	16.87	89.61	471.38	1,537.56	1,707.03	1,679.20	27.83	61.331	
7,000.00	6,969.84	7,085.31	6,971.84	13.56	16.91	89.61	471.38	1,537.56	1,707.03	1,679.07	27.96	61.050	
7,100.00	7,069.84	7,185.31	7,071.84	13.65	16.95	89.61	471.38	1,537.56	1,707.03	1,678.94	28.09	60.770	
7,200.00	7,169.84	7,285.31	7,171.84	13.74	16.99	89.61	471.38	1,537.56	1,707.03	1,678.81	28.22	60.493	
7,300.00	7,269.84	7,385.31	7,271.84	13.82	17.03	89.61	471.38	1,537.56	1,707.03	1,678.68	28.35	60.217	
7,400.00	7,369.84	7,485.31	7,371.84	13.91	17.07	89.61	471.38	1,537.56	1,707.03	1,678.55	28.48	59.944	
7,500.00	7,469.84	7,585.31	7,471.84	14.00	17.11	89.61	471.38	1,537.56	1,707.03	1,678.42	28.61	59.672	
7,600.00	7,569.84	7,685.31	7,571.84	14.08	17.16	89.61	471.38	1,537.56	1,707.03	1,678.29	28.74	59.403	
7,700.00	7,669.84	7,785.31	7,671.84	14.17	17.20	89.61	471.38	1,537.56	1,707.03	1,678.16	28.87	59.135	
7,800.00	7,769.84	7,885.31	7,771.84	14.26	17.24	89.61	471.38	1,537.56	1,707.03	1,678.03	29.00	58.869	
7,900.00	7,869.84	7,985.31	7,871.84	14.34	17.28	89.61	471.38	1,537.56	1,707.03	1,677.90	29.13	58.605	
8,000.00	7,969.84	8,085.31	7,971.84	14.43	17.33	89.61	471.38	1,537.56	1,707.03	1,677.77	29.26	58.343	
8,100.00	8,069.84	8,185.31	8,071.84	14.51	17.37	89.61	471.38	1,537.56	1,707.03	1,677.64	29.39	58.083	
8,200.00	8,169.84	8,285.31	8,171.84	14.60	17.42	89.61	471.38	1,537.56	1,707.03	1,677.51	29.52	57.824	
8,300.00	8,269.84	8,385.31	8,271.84	14.69	17.46	89.61	471.38	1,537.56	1,707.03	1,677.38	29.65	57.568	
8,400.00	8,369.84	8,485.31	8,371.84	14.77	17.50	89.61	471.38	1,537.56	1,707.03	1,677.25	29.78	57.313	
8,500.00	8,469.84	8,585.31	8,471.84	14.86	17.55	89.61	471.38	1,537.56	1,707.03	1,677.11	29.92	57.060	
8,600.00	8,569.84	8,685.31	8,571.84	14.94	17.59	89.61	471.38	1,537.56	1,707.03	1,676.98	30.05	56.809	
8,700.00	8,669.84	8,785.31	8,671.84	15.03	17.64	89.61	471.38	1,537.56	1,707.03	1,676.85	30.18	56.560	
8,800.00	8,769.84	8,885.31	8,771.84	15.12	17.69	89.61	471.38	1,537.56	1,707.03	1,676.72	30.31	56.312	
8,900.00	8,869.84	8,985.31	8,871.84	15.20	17.73	89.61	471.38	1,537.56	1,707.03	1,676.58	30.45	56.066	
9,000.00	8,969.84	9,085.31	8,971.84	15.29	17.78	89.61	471.38	1,537.56	1,707.03	1,676.45	30.58	55.822	
9,100.00	9,069.84	9,185.31	9,071.84	15.37	17.82	89.61	471.38	1,537.56	1,707.03	1,676.32	30.71	55.580	
9,200.00	9,169.84	9,285.31	9,171.84	15.46	17.87	89.61	471.38	1,537.56	1,707.03	1,676.18	30.85	55.339	
9,300.00	9,269.84	9,385.31	9,271.84	15.54	17.92	89.61	471.38	1,537.56	1,707.03	1,676.05	30.98	55.100	
9,400.00	9,369.84	9,485.31	9,371.84	15.63	17.96	89.61	471.38	1,537.56	1,707.03	1,675.92	31.11	54.862	
9,500.00	9,469.84	9,585.31	9,471.84	15.71	18.01	89.61	471.38	1,537.56	1,707.03	1,675.78	31.25	54.627	
9,600.00	9,569.84	9,685.31	9,571.84	15.80	18.06	89.61	471.38	1,537.56	1,707.03	1,675.65	31.38	54.392	
9,700.00	9,669.84	9,785.31	9,671.84	15.89	18.11	89.61	471.38	1,537.56	1,707.03	1,675.51	31.52	54.160	
9,800.00	9,769.84	9,885.31	9,771.84	15.97	18.16	89.61	471.38	1,537.56	1,707.03	1,675.38	31.65	53.929	
9,900.00	9,869.84	9,985.31	9,871.84	16.06	18.20	89.61	471.38	1,537.56	1,707.03	1,675.24	31.79	53.700	
10,000.00	9,969.84	10,085.31	9,971.84	16.14	18.25	89.61	471.38	1,537.56	1,707.03	1,675.11	31.92	53.472	
10,100.00	10,069.84	10,185.31	10,071.84	16.23	18.30	89.61	471.38	1,537.56	1,707.03	1,674.97	32.06	53.246	
10,200.00	10,169.84	10,285.31	10,171.84	16.31	18.35	89.61	471.38	1,537.56	1,707.03	1,674.84	32.20	53.021	
10,300.00	10,269.84	10,385.31	10,271.84	16.40	18.40	89.61	471.38	1,537.56	1,707.03	1,674.70	32.33	52.798	
10,400.00	10,369.84	10,485.31	10,371.84	16.48	18.45	89.61	471.38	1,537.56	1,707.03	1,674.56	32.47	52.577	
10,500.00	10,469.84	10,585.31	10,471.84	16.57	18.50	89.61	471.38	1,537.56	1,707.03	1,674.43	32.60	52.357	
10,600.00	10,569.84	10,685.31	10,571.84	16.65	18.55	89.61	471.38	1,537.56	1,707.03	1,674.29	32.74	52.138	
10,700.00	10,669.84	10,785.31	10,671.84	16.74	18.60	89.61	471.38	1,537.56	1,707.03	1,674.15	32.88	51.921	
10,800.00	10,769.84	10,885.31	10,771.84	16.82	18.65	89.61	471.38	1,537.56	1,707.03	1,674.02	33.01	51.706	
10,900.00	10,869.84	10,985.31	10,871.84	16.91	18.70	89.61	471.38	1,537.56	1,707.03	1,673.88	33.15	51.492	
11,000.00	10,969.84	11,085.31	10,971.84	16.99	18.75	89.61	471.38	1,537.56	1,707.03	1,673.74	33.29	51.280	
11,100.00	11,069.84	11,185.31	11,071.84	17.08	18.80	89.61	471.38	1,537.56	1,707.03	1,673.60	33.43	51.068	
11,200.00	11,169.84	11,285.31	11,171.84	17.16	18.86	89.61	471.38	1,537.56	1,707.03	1,673.47	33.56	50.859	
11,300.00	11,269.84	11,385.31	11,271.84	17.25	18.91	89.61	471.38	1,537.56	1,707.03	1,673.33	33.70	50.651	
11,400.00	11,369.84	11,485.31	11,371.84	17.33	18.96	89.61	471.38	1,537.56	1,707.03	1,673.19	33.84	50.444	
11,500.00	11,469.84	11,585.31	11,471.84	17.42	19.01	89.61	471.38	1,537.56	1,707.03	1,673.05	33.98	50.238	

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 135H
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 135H	**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
11,581.16	11,551.00	11,666.47	11,553.00	17.48	19.05	89.61	471.38	1,537.56	1,707.03	1,672.95	34.08	50.086	
11,600.00	11,569.83	11,685.31	11,571.83	17.48	19.06	-89.91	471.38	1,537.56	1,707.03	1,672.94	34.09	50.072	
11,639.41	11,609.15	11,724.62	11,611.15	17.49	19.08	-90.00	471.38	1,537.56	1,707.03	1,672.94	34.08	50.083	CC
11,650.00	11,619.67	11,735.14	11,621.67	17.49	19.09	-90.04	471.38	1,537.56	1,707.03	1,672.95	34.08	50.087	
11,700.00	11,668.99	11,784.46	11,670.99	17.51	19.12	-90.31	471.38	1,537.56	1,707.05	1,673.01	34.04	50.142	
11,750.00	11,717.40	11,832.88	11,719.40	17.51	19.14	-90.70	471.38	1,537.56	1,707.17	1,673.18	33.98	50.238	
11,800.00	11,764.55	11,880.03	11,766.55	17.52	19.17	-91.19	471.38	1,537.56	1,707.46	1,673.56	33.89	50.376	
11,850.00	11,810.08	11,925.55	11,812.08	17.52	19.19	-91.76	471.38	1,537.56	1,708.05	1,674.26	33.78	50.557	
11,900.00	11,853.63	11,969.11	11,855.63	17.52	19.21	-92.38	471.38	1,537.56	1,709.07	1,675.41	33.66	50.778	
11,950.00	11,894.88	12,013.69	11,900.22	17.53	19.24	-93.06	471.12	1,537.56	1,710.67	1,677.15	33.51	51.042	
12,000.00	11,933.52	12,066.08	11,952.43	17.53	19.31	-93.85	467.16	1,537.60	1,712.78	1,679.40	33.38	51.317	
12,050.00	11,969.24	12,122.33	12,007.85	17.53	19.40	-94.66	457.61	1,537.68	1,715.34	1,682.07	33.28	51.547	
12,100.00	12,001.78	12,183.25	12,066.49	17.53	19.53	-95.50	441.21	1,537.83	1,718.30	1,685.07	33.24	51.700	
12,150.00	12,030.89	12,249.79	12,128.14	17.53	19.70	-96.35	416.29	1,538.06	1,721.58	1,688.30	33.28	51.734	
12,200.00	12,056.34	12,323.00	12,192.13	17.53	19.93	-97.23	380.83	1,538.37	1,725.06	1,691.61	33.45	51.579	
12,250.00	12,077.95	12,404.00	12,257.02	17.54	20.23	-98.13	332.46	1,538.81	1,728.58	1,694.81	33.77	51.189	
12,300.00	12,095.55	12,493.76	12,320.16	17.55	20.64	-99.00	268.80	1,539.38	1,731.93	1,697.62	34.31	50.479	
12,350.00	12,109.01	12,592.73	12,377.31	17.56	21.17	-99.80	188.15	1,540.11	1,734.88	1,699.78	35.10	49.424	
12,400.00	12,118.22	12,700.40	12,422.73	17.58	21.88	-100.45	90.71	1,540.98	1,737.16	1,701.00	36.16	48.047	
12,450.00	12,123.11	12,814.77	12,450.14	17.60	22.76	-100.85	-20.13	1,541.98	1,738.53	1,701.09	37.44	46.441	
12,476.17	12,123.94	12,876.19	12,455.60	17.61	23.28	-100.93	-81.27	1,542.53	1,738.82	1,700.66	38.16	45.569	
12,500.00	12,124.14	12,909.96	12,456.04	17.62	23.57	-100.94	-115.04	1,542.83	1,738.84	1,700.29	38.54	45.114	
12,600.00	12,125.02	13,009.96	12,456.56	17.69	24.49	-100.93	-215.03	1,543.73	1,738.81	1,699.07	39.74	43.755	
12,700.00	12,125.89	13,109.96	12,457.09	17.79	25.45	-100.91	-315.03	1,544.63	1,738.78	1,697.70	41.08	42.328	
12,800.00	12,126.76	13,209.96	12,457.62	17.95	26.45	-100.90	-415.02	1,545.53	1,738.75	1,696.20	42.55	40.865	
12,900.00	12,127.63	13,309.96	12,458.14	18.21	27.48	-100.89	-515.02	1,546.43	1,738.73	1,694.59	44.14	39.391	
13,000.00	12,128.50	13,409.96	12,458.67	18.61	28.55	-100.88	-615.01	1,547.33	1,738.70	1,692.86	45.84	37.930	
13,100.00	12,129.37	13,509.96	12,459.19	19.18	29.63	-100.87	-715.00	1,548.23	1,738.67	1,691.03	47.64	36.498	
13,200.00	12,130.24	13,609.96	12,459.72	19.87	30.74	-100.86	-815.00	1,549.13	1,738.64	1,689.12	49.52	35.108	
13,300.00	12,131.11	13,709.96	12,460.25	20.66	31.87	-100.85	-914.99	1,550.03	1,738.62	1,687.13	51.49	33.769	
13,400.00	12,131.99	13,809.95	12,460.77	21.53	33.02	-100.83	-1,014.99	1,550.93	1,738.59	1,685.07	53.52	32.486	
13,500.00	12,132.86	13,909.95	12,461.30	22.45	34.18	-100.82	-1,114.98	1,551.83	1,738.56	1,682.95	55.61	31.262	
13,600.00	12,133.73	14,009.95	12,461.82	23.43	35.36	-100.81	-1,214.97	1,552.73	1,738.53	1,680.77	57.76	30.099	
13,700.00	12,134.60	14,109.95	12,462.35	24.44	36.55	-100.80	-1,314.97	1,553.63	1,738.51	1,678.55	59.96	28.996	
13,800.00	12,135.47	14,209.95	12,462.88	25.50	37.75	-100.79	-1,414.96	1,554.53	1,738.48	1,676.29	62.20	27.952	
13,900.00	12,136.34	14,309.95	12,463.40	26.58	38.97	-100.78	-1,514.96	1,555.43	1,738.45	1,673.98	64.47	26.964	
14,000.00	12,137.21	14,409.95	12,463.93	27.69	40.19	-100.77	-1,614.95	1,556.33	1,738.43	1,671.64	66.78	26.031	
14,100.00	12,138.08	14,509.95	12,464.46	28.82	41.42	-100.75	-1,714.94	1,557.23	1,738.40	1,669.28	69.12	25.149	
14,200.00	12,138.96	14,609.95	12,464.98	29.98	42.66	-100.74	-1,814.94	1,558.13	1,738.37	1,666.88	71.49	24.315	
14,300.00	12,139.83	14,709.95	12,465.51	31.15	43.91	-100.73	-1,914.93	1,559.02	1,738.35	1,664.46	73.89	23.527	
14,400.00	12,140.70	14,809.95	12,466.03	32.33	45.16	-100.72	-2,014.93	1,559.92	1,738.32	1,662.02	76.30	22.783	
14,500.00	12,141.57	14,909.95	12,466.56	33.54	46.42	-100.71	-2,114.92	1,560.82	1,738.30	1,659.56	78.73	22.078	
14,600.00	12,142.44	15,009.95	12,467.09	34.75	47.69	-100.70	-2,214.91	1,561.72	1,738.27	1,657.08	81.19	21.411	
14,700.00	12,143.31	15,109.95	12,467.61	35.98	48.96	-100.69	-2,314.91	1,562.62	1,738.24	1,654.59	83.66	20.779	
14,800.00	12,144.18	15,209.95	12,468.14	37.21	50.24	-100.67	-2,414.90	1,563.52	1,738.22	1,652.08	86.14	20.179	
14,900.00	12,145.05	15,309.95	12,468.67	38.46	51.52	-100.66	-2,514.90	1,564.42	1,738.19	1,649.56	88.64	19.611	
15,000.00	12,145.93	15,409.94	12,469.19	39.71	52.80	-100.65	-2,614.89	1,565.32	1,738.16	1,647.02	91.14	19.071	
15,100.00	12,146.80	15,509.94	12,469.72	40.97	54.09	-100.64	-2,714.88	1,566.22	1,738.14	1,644.47	93.66	18.557	
15,200.00	12,147.67	15,609.94	12,470.24	42.24	55.38	-100.63	-2,814.88	1,567.12	1,738.11	1,641.92	96.19	18.069	
15,300.00	12,148.54	15,709.94	12,470.77	43.51	56.68	-100.62	-2,914.87	1,568.02	1,738.09	1,639.35	98.73	17.604	
15,400.00	12,149.41	15,809.94	12,471.30	44.79	57.98	-100.61	-3,014.86	1,568.92	1,738.06	1,636.78	101.28	17.160	
15,500.00	12,150.28	15,909.94	12,471.82	46.08	59.28	-100.59	-3,114.86	1,569.82	1,738.04	1,634.19	103.84	16.737	

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 135H
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 135H	**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
15,600.00	12,151.15	16,009.94	12,472.35	47.37	60.59	-100.58	-3,214.85	1,570.72	1,738.01	1,631.60	106.41	16.334	
15,700.00	12,152.02	16,109.94	12,472.87	48.66	61.90	-100.57	-3,314.85	1,571.62	1,737.98	1,629.01	108.98	15.948	
15,800.00	12,152.90	16,209.94	12,473.40	49.96	63.21	-100.56	-3,414.84	1,572.52	1,737.96	1,626.40	111.55	15.579	
15,900.00	12,153.77	16,309.94	12,473.93	51.26	64.52	-100.55	-3,514.83	1,573.42	1,737.93	1,623.79	114.14	15.226	
16,000.00	12,154.64	16,409.94	12,474.45	52.57	65.83	-100.54	-3,614.83	1,574.31	1,737.91	1,621.18	116.73	14.888	
16,100.00	12,155.51	16,509.94	12,474.98	53.88	67.15	-100.53	-3,714.82	1,575.21	1,737.88	1,618.56	119.32	14.564	
16,200.00	12,156.38	16,609.94	12,475.51	55.19	68.47	-100.51	-3,814.82	1,576.11	1,737.86	1,615.93	121.92	14.254	
16,300.00	12,157.25	16,709.94	12,476.03	56.50	69.79	-100.50	-3,914.81	1,577.01	1,737.83	1,613.30	124.53	13.955	
16,400.00	12,158.12	16,809.94	12,476.56	57.82	71.12	-100.49	-4,014.80	1,577.91	1,737.81	1,610.67	127.14	13.669	
16,500.00	12,158.99	16,909.94	12,477.08	59.14	72.44	-100.48	-4,114.80	1,578.81	1,737.78	1,608.03	129.75	13.393	
16,600.00	12,159.87	17,009.94	12,477.61	60.46	73.77	-100.47	-4,214.79	1,579.71	1,737.76	1,605.39	132.37	13.128	
16,700.00	12,160.74	17,109.93	12,478.14	61.79	75.09	-100.46	-4,314.79	1,580.61	1,737.73	1,602.75	134.99	12.873	
16,800.00	12,161.61	17,209.93	12,478.66	63.11	76.42	-100.45	-4,414.78	1,581.51	1,737.71	1,600.10	137.61	12.628	
16,900.00	12,162.48	17,309.93	12,479.19	64.44	77.75	-100.43	-4,514.77	1,582.41	1,737.68	1,597.45	140.24	12.391	
17,000.00	12,163.35	17,409.93	12,479.72	65.77	79.09	-100.42	-4,614.77	1,583.31	1,737.66	1,594.79	142.87	12.163	
17,100.00	12,164.22	17,509.93	12,480.24	67.10	80.42	-100.41	-4,714.76	1,584.21	1,737.63	1,592.13	145.50	11.942	
17,200.00	12,165.09	17,609.93	12,480.77	68.43	81.75	-100.40	-4,814.76	1,585.11	1,737.61	1,589.47	148.14	11.730	
17,300.00	12,165.96	17,709.93	12,481.29	69.77	83.09	-100.39	-4,914.75	1,586.01	1,737.58	1,586.81	150.77	11.524	
17,400.00	12,166.84	17,809.93	12,481.82	71.10	84.43	-100.38	-5,014.74	1,586.91	1,737.56	1,584.15	153.42	11.326	
17,500.00	12,167.71	17,909.93	12,482.35	72.44	85.76	-100.37	-5,114.74	1,587.81	1,737.54	1,581.48	156.06	11.134	
17,600.00	12,168.58	18,009.93	12,482.87	73.78	87.10	-100.35	-5,214.73	1,588.71	1,737.51	1,578.81	158.70	10.948	
17,700.00	12,169.45	18,109.93	12,483.40	75.12	88.44	-100.34	-5,314.73	1,589.61	1,737.49	1,576.14	161.35	10.768	
17,800.00	12,170.32	18,209.93	12,483.92	76.46	89.78	-100.33	-5,414.72	1,590.50	1,737.46	1,573.46	164.00	10.594	
17,900.00	12,171.19	18,309.93	12,484.45	77.80	91.12	-100.32	-5,514.71	1,591.40	1,737.44	1,570.79	166.65	10.426	
18,000.00	12,172.06	18,409.93	12,484.98	79.14	92.46	-100.31	-5,614.71	1,592.30	1,737.42	1,568.11	169.31	10.262	
18,100.00	12,172.93	18,509.93	12,485.50	80.48	93.81	-100.30	-5,714.70	1,593.20	1,737.39	1,565.43	171.96	10.103	
18,200.00	12,173.81	18,609.93	12,486.03	81.83	95.15	-100.29	-5,814.70	1,594.10	1,737.37	1,562.75	174.62	9.950	
18,300.00	12,174.68	18,709.93	12,486.56	83.17	96.49	-100.27	-5,914.69	1,595.00	1,737.34	1,560.07	177.28	9.800	
18,400.00	12,175.55	18,809.92	12,487.08	84.52	97.84	-100.26	-6,014.68	1,595.90	1,737.32	1,557.38	179.94	9.655	
18,500.00	12,176.42	18,909.92	12,487.61	85.86	99.19	-100.25	-6,114.68	1,596.80	1,737.30	1,554.70	182.60	9.514	
18,600.00	12,177.29	19,009.92	12,488.13	87.21	100.53	-100.24	-6,214.67	1,597.70	1,737.27	1,552.01	185.26	9.377	
18,700.00	12,178.16	19,109.92	12,488.66	88.56	101.88	-100.23	-6,314.67	1,598.60	1,737.25	1,549.33	187.92	9.244	
18,800.00	12,179.03	19,209.92	12,489.19	89.91	103.23	-100.22	-6,414.66	1,599.50	1,737.23	1,546.64	190.59	9.115	
18,900.00	12,179.90	19,309.92	12,489.71	91.26	104.57	-100.21	-6,514.65	1,600.40	1,737.20	1,543.95	193.26	8.989	
19,000.00	12,180.78	19,409.92	12,490.24	92.61	105.92	-100.19	-6,614.65	1,601.30	1,737.18	1,541.25	195.93	8.867	
19,100.00	12,181.65	19,509.92	12,490.76	93.96	107.27	-100.18	-6,714.64	1,602.20	1,737.16	1,538.56	198.60	8.747	
19,200.00	12,182.52	19,609.92	12,491.29	95.31	108.62	-100.17	-6,814.64	1,603.10	1,737.13	1,535.87	201.27	8.631	
19,300.00	12,183.39	19,709.92	12,491.82	96.66	109.97	-100.16	-6,914.63	1,604.00	1,737.11	1,533.17	203.94	8.518	
19,400.00	12,184.26	19,809.92	12,492.34	98.01	111.32	-100.15	-7,014.62	1,604.90	1,737.09	1,530.48	206.61	8.408	
19,500.00	12,185.13	19,909.92	12,492.87	99.36	112.67	-100.14	-7,114.62	1,605.79	1,737.06	1,527.78	209.28	8.300	
19,600.00	12,186.00	20,009.92	12,493.40	100.72	114.02	-100.13	-7,214.61	1,606.69	1,737.04	1,525.08	211.96	8.195	
19,700.00	12,186.87	20,109.92	12,493.92	102.07	115.37	-100.11	-7,314.61	1,607.59	1,737.02	1,522.38	214.64	8.093	
19,800.00	12,187.75	20,209.92	12,494.45	103.42	116.73	-100.10	-7,414.60	1,608.49	1,737.00	1,519.68	217.31	7.993	
19,900.00	12,188.62	20,309.92	12,494.97	104.78	118.08	-100.09	-7,514.59	1,609.39	1,736.97	1,516.98	219.99	7.896	
20,000.00	12,189.49	20,409.91	12,495.50	106.13	119.43	-100.08	-7,614.59	1,610.29	1,736.95	1,514.28	222.67	7.801	
20,100.00	12,190.36	20,509.91	12,496.03	107.49	120.79	-100.07	-7,714.58	1,611.19	1,736.93	1,511.58	225.35	7.708	
20,200.00	12,191.23	20,609.91	12,496.55	108.84	122.14	-100.06	-7,814.58	1,612.09	1,736.91	1,508.88	228.03	7.617	
20,300.00	12,192.10	20,709.91	12,497.08	110.20	123.49	-100.05	-7,914.57	1,612.99	1,736.88	1,506.17	230.71	7.528	
20,400.00	12,192.97	20,809.91	12,497.61	111.55	124.85	-100.03	-8,014.56	1,613.89	1,736.86	1,503.47	233.39	7.442	
20,500.00	12,193.85	20,909.91	12,498.13	112.91	126.20	-100.02	-8,114.56	1,614.79	1,736.84	1,500.77	236.07	7.357	
20,600.00	12,194.72	21,009.91	12,498.66	114.27	127.56	-100.01	-8,214.55	1,615.69	1,736.82	1,498.06	238.76	7.274	
20,700.00	12,195.59	21,109.91	12,499.18	115.62	128.91	-100.00	-8,314.55	1,616.59	1,736.79	1,495.35	241.44	7.193	

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 135H
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 135H	**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
20,800.00	12,196.46	21,209.91	12,499.71	116.98	130.27	-99.99	-8,414.54	1,617.49	1,736.77	1,492.65	244.13	7.114	
20,900.00	12,197.33	21,309.91	12,500.24	118.34	131.62	-99.98	-8,514.53	1,618.39	1,736.75	1,489.94	246.81	7.037	
21,000.00	12,198.20	21,409.91	12,500.76	119.70	132.98	-99.97	-8,614.53	1,619.29	1,736.73	1,487.23	249.50	6.961	
21,100.00	12,199.07	21,509.91	12,501.29	121.05	134.34	-99.95	-8,714.52	1,620.19	1,736.71	1,484.52	252.19	6.887	
21,200.00	12,199.94	21,609.91	12,501.81	122.41	135.69	-99.94	-8,814.52	1,621.08	1,736.69	1,481.81	254.87	6.814	
21,300.00	12,200.82	21,709.91	12,502.34	123.77	137.05	-99.93	-8,914.51	1,621.98	1,736.66	1,479.10	257.56	6.743	
21,400.00	12,201.69	21,809.91	12,502.87	125.13	138.41	-99.92	-9,014.50	1,622.88	1,736.64	1,476.39	260.25	6.673	
21,500.00	12,202.56	21,909.91	12,503.39	126.49	139.76	-99.91	-9,114.50	1,623.78	1,736.62	1,473.68	262.94	6.605	
21,600.00	12,203.43	22,009.91	12,503.92	127.85	141.12	-99.90	-9,214.49	1,624.68	1,736.60	1,470.97	265.63	6.538	
21,700.00	12,204.30	22,109.90	12,504.45	129.21	142.48	-99.89	-9,314.49	1,625.58	1,736.58	1,468.26	268.32	6.472	
21,800.00	12,205.17	22,209.90	12,504.97	130.57	143.84	-99.87	-9,414.48	1,626.48	1,736.56	1,465.55	271.01	6.408	
21,900.00	12,206.04	22,309.90	12,505.50	131.93	145.20	-99.86	-9,514.47	1,627.38	1,736.54	1,462.83	273.70	6.345	
22,000.00	12,206.91	22,409.90	12,506.02	133.29	146.55	-99.85	-9,614.47	1,628.28	1,736.51	1,460.12	276.39	6.283	
22,100.00	12,207.79	22,509.90	12,506.55	134.65	147.91	-99.84	-9,714.46	1,629.18	1,736.49	1,457.41	279.09	6.222	
22,200.00	12,208.66	22,609.90	12,507.08	136.01	149.27	-99.83	-9,814.45	1,630.08	1,736.47	1,454.69	281.78	6.162	
22,300.00	12,209.53	22,709.90	12,507.60	137.37	150.63	-99.82	-9,914.45	1,630.98	1,736.45	1,451.98	284.47	6.104	
22,400.00	12,210.40	22,809.90	12,508.13	138.73	151.98	-99.81	-10,014.44	1,631.88	1,736.43	1,449.27	287.16	6.047	
22,411.61	12,210.50	22,821.51	12,508.19	138.89	152.13	-99.80	-10,026.05	1,631.98	1,736.43	1,448.98	287.45	6.041	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 135H
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 135H	**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	-45.00	25.00	-25.00	35.36				
100.00	100.00	100.00	100.00	0.98	0.98	-45.00	25.00	-25.00	35.36	33.39	1.96	18.018	
200.00	200.00	200.00	200.00	1.56	1.56	-45.00	25.00	-25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	-45.00	25.00	-25.00	35.36	31.39	3.96	8.923	CC, ES
400.00	400.00	399.06	399.05	2.33	2.41	-44.85	25.97	-25.84	36.65	31.91	4.74	7.735	
500.00	500.00	497.99	497.90	2.63	2.78	-44.45	28.89	-28.34	40.53	35.12	5.41	7.491	
600.00	600.00	596.66	596.36	2.91	3.11	-43.94	33.73	-32.51	46.99	40.97	6.01	7.813	
700.00	700.00	695.83	695.17	3.16	3.26	-43.44	40.15	-38.03	55.51	49.11	6.41	8.664	
800.00	800.00	795.45	794.41	3.40	3.50	-43.07	46.73	-43.69	64.22	57.33	6.89	9.320	
900.00	899.99	895.16	893.74	3.68	3.74	-22.91	53.32	-49.35	71.72	64.32	7.40	9.691	
1,000.00	999.91	995.02	993.22	3.94	3.98	-23.74	59.92	-55.03	76.83	68.94	7.89	9.739	
1,100.00	1,099.77	1,094.93	1,092.75	4.15	4.21	-24.88	66.53	-60.71	80.77	72.45	8.32	9.707	
1,200.00	1,199.63	1,194.84	1,192.28	4.35	4.44	-25.91	73.13	-66.38	84.73	75.98	8.75	9.686	
1,250.43	1,250.00	1,244.29	1,241.52	4.40	4.56	-26.37	76.57	-69.34	86.97	78.06	8.92	9.754	
1,300.00	1,299.48	1,292.67	1,289.64	4.45	4.69	-26.83	80.40	-72.63	89.51	80.43	9.08	9.854	
1,400.00	1,399.17	1,390.18	1,386.40	4.69	4.94	-28.07	89.51	-80.47	94.82	85.28	9.55	9.932	
1,500.00	1,498.62	1,488.85	1,484.03	4.93	5.09	-29.71	100.37	-89.80	100.06	90.16	9.91	10.101	
1,550.47	1,548.70	1,539.24	1,533.87	4.99	5.19	-30.76	106.01	-94.66	102.02	91.97	10.06	10.143	
1,600.00	1,597.81	1,588.71	1,582.79	5.05	5.30	-31.86	111.56	-99.43	103.70	93.49	10.21	10.154	
1,700.00	1,696.95	1,688.57	1,681.55	5.25	5.52	-33.97	122.75	-109.06	107.21	96.60	10.61	10.101	
1,800.00	1,796.09	1,788.44	1,780.32	5.44	5.73	-35.95	133.95	-118.68	110.85	99.84	11.01	10.068	
1,900.00	1,895.24	1,888.30	1,879.08	5.64	5.94	-37.80	145.14	-128.31	114.61	103.21	11.40	10.050	
2,000.00	1,994.38	1,988.16	1,977.85	5.83	6.16	-39.53	156.34	-137.94	118.49	106.69	11.80	10.044	
2,100.00	2,093.53	2,088.02	2,076.62	6.03	6.37	-41.15	167.53	-147.56	122.46	110.27	12.19	10.049	
2,200.00	2,192.67	2,187.89	2,175.38	6.22	6.58	-42.66	178.73	-157.19	126.53	113.95	12.58	10.061	
2,300.00	2,291.82	2,287.75	2,274.15	6.42	6.79	-44.08	189.92	-166.82	130.68	117.72	12.96	10.080	
2,400.00	2,390.96	2,387.61	2,372.91	6.61	7.00	-45.42	201.12	-176.45	134.91	121.55	13.35	10.104	
2,500.00	2,490.11	2,487.48	2,471.68	6.81	7.20	-46.67	212.31	-186.07	139.20	125.46	13.74	10.133	
2,600.00	2,589.25	2,587.34	2,570.44	7.00	7.41	-47.84	223.51	-195.70	143.56	129.43	14.12	10.164	
2,700.00	2,688.39	2,687.20	2,669.21	7.20	7.62	-48.95	234.70	-205.33	147.97	133.46	14.51	10.199	
2,800.00	2,787.54	2,787.07	2,767.97	7.39	7.83	-49.99	245.90	-214.95	152.43	137.54	14.89	10.235	
2,900.00	2,886.68	2,886.93	2,866.74	7.59	8.03	-50.97	257.09	-224.58	156.95	141.67	15.28	10.273	
3,000.00	2,985.83	2,986.79	2,965.50	7.78	8.24	-51.90	268.29	-234.21	161.50	145.84	15.66	10.311	
3,100.00	3,084.97	3,086.65	3,064.27	7.98	8.45	-52.78	279.48	-243.83	166.10	150.05	16.05	10.351	
3,200.00	3,184.12	3,186.52	3,163.04	8.17	8.65	-53.61	290.67	-253.46	170.73	154.30	16.43	10.391	
3,300.00	3,283.26	3,286.38	3,261.80	8.36	8.86	-54.39	301.87	-263.09	175.40	158.58	16.81	10.432	
3,400.00	3,382.40	3,386.24	3,360.57	8.56	9.06	-55.14	313.06	-272.71	180.10	162.90	17.20	10.472	
3,500.00	3,481.55	3,486.11	3,459.33	8.75	9.27	-55.84	324.26	-282.34	184.82	167.24	17.58	10.512	
3,600.00	3,580.69	3,585.97	3,558.10	8.95	9.47	-56.51	335.45	-291.97	189.58	171.61	17.96	10.553	
3,700.00	3,679.84	3,685.83	3,656.86	9.14	9.68	-57.15	346.65	-301.59	194.35	176.01	18.35	10.593	
3,800.00	3,778.98	3,785.70	3,755.63	9.33	9.89	-57.76	357.84	-311.22	199.16	180.42	18.73	10.632	
3,900.00	3,878.13	3,885.56	3,854.39	9.53	10.09	-58.34	369.04	-320.85	203.98	184.86	19.11	10.671	
4,000.00	3,977.27	3,985.42	3,953.16	9.72	10.30	-58.89	380.23	-330.48	208.82	189.32	19.50	10.710	
4,100.00	4,076.42	4,085.28	4,051.92	9.91	10.50	-59.41	391.43	-340.10	213.68	193.80	19.88	10.748	
4,200.00	4,175.56	4,185.15	4,150.69	10.11	10.71	-59.92	402.62	-349.73	218.56	198.29	20.26	10.785	
4,300.00	4,274.70	4,285.01	4,249.46	10.30	10.91	-60.40	413.82	-359.36	223.45	202.80	20.65	10.822	
4,400.00	4,373.85	4,384.87	4,348.22	10.49	11.11	-60.86	425.01	-368.98	228.36	207.33	21.03	10.860	
4,500.00	4,472.99	4,489.00	4,451.36	10.69	11.33	-61.50	435.83	-378.29	232.47	211.04	21.43	10.850	
4,600.00	4,572.14	4,593.66	4,555.39	10.88	11.55	-62.59	444.57	-385.81	234.58	212.78	21.81	10.758	
4,700.00	4,671.28	4,698.18	4,659.54	11.08	11.76	-64.13	451.14	-391.45	234.79	212.63	22.16	10.597	
4,702.13	4,673.39	4,700.40	4,661.76	11.08	11.76	-64.17	451.26	-391.55	234.78	212.61	22.16	10.592	
4,800.00	4,770.58	4,802.50	4,763.69	11.28	11.95	-65.86	455.54	-395.24	233.75	211.28	22.47	10.401	

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 135H
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 135H	**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
4,900.00	4,870.15	4,906.67	4,867.82	11.48	12.12	-67.48	457.78	-397.16	232.06	209.32	22.74	10.203	
5,000.00	4,969.93	5,008.78	4,969.93	11.67	12.20	-68.93	458.09	-397.43	229.88	206.95	22.92	10.028	
5,100.00	5,069.85	5,108.70	5,069.85	11.85	12.28	-69.84	458.09	-397.43	228.47	205.36	23.12	9.883	
5,200.00	5,169.84	5,208.69	5,169.84	11.99	12.36	-70.15	458.09	-397.43	228.01	204.71	23.30	9.787	
5,202.16	5,172.00	5,210.85	5,172.00	12.00	12.36	-90.39	458.09	-397.43	228.01	204.70	23.30	9.785	
5,300.00	5,269.84	5,308.69	5,269.84	12.08	12.44	-90.39	458.09	-397.43	228.01	204.54	23.46	9.717	
5,400.00	5,369.84	5,408.69	5,369.84	12.17	12.52	-90.39	458.09	-397.43	228.01	204.37	23.63	9.647	
5,500.00	5,469.84	5,508.69	5,469.84	12.26	12.61	-90.39	458.09	-397.43	228.01	204.20	23.80	9.579	
5,600.00	5,569.84	5,608.69	5,569.84	12.34	12.69	-90.39	458.09	-397.43	228.01	204.03	23.97	9.511	
5,700.00	5,669.84	5,708.69	5,669.84	12.43	12.77	-90.39	458.09	-397.43	228.01	203.86	24.14	9.444	
5,800.00	5,769.84	5,808.69	5,769.84	12.52	12.85	-90.39	458.09	-397.43	228.01	203.69	24.31	9.379	
5,900.00	5,869.84	5,908.69	5,869.84	12.61	12.93	-90.39	458.09	-397.43	228.01	203.53	24.48	9.314	
6,000.00	5,969.84	6,008.69	5,969.84	12.69	13.01	-90.39	458.09	-397.43	228.01	203.36	24.65	9.250	
6,100.00	6,069.84	6,108.69	6,069.84	12.78	13.10	-90.39	458.09	-397.43	228.01	203.19	24.82	9.187	
6,200.00	6,169.84	6,208.69	6,169.84	12.87	13.18	-90.39	458.09	-397.43	228.01	203.02	24.99	9.125	
6,300.00	6,269.84	6,308.69	6,269.84	12.96	13.26	-90.39	458.09	-397.43	228.01	202.85	25.15	9.064	
6,400.00	6,369.84	6,408.69	6,369.84	13.04	13.34	-90.39	458.09	-397.43	228.01	202.68	25.32	9.004	
6,500.00	6,469.84	6,508.69	6,469.84	13.13	13.42	-90.39	458.09	-397.43	228.01	202.51	25.49	8.944	
6,600.00	6,569.84	6,608.69	6,569.84	13.22	13.51	-90.39	458.09	-397.43	228.01	202.35	25.66	8.886	
6,700.00	6,669.84	6,708.69	6,669.84	13.30	13.59	-90.39	458.09	-397.43	228.01	202.18	25.83	8.828	
6,800.00	6,769.84	6,808.69	6,769.84	13.39	13.67	-90.39	458.09	-397.43	228.01	202.01	26.00	8.771	
6,900.00	6,869.84	6,908.69	6,869.84	13.48	13.75	-90.39	458.09	-397.43	228.01	201.84	26.16	8.714	
7,000.00	6,969.84	7,008.69	6,969.84	13.56	13.83	-90.39	458.09	-397.43	228.01	201.67	26.33	8.659	
7,100.00	7,069.84	7,108.69	7,069.84	13.65	13.92	-90.39	458.09	-397.43	228.01	201.50	26.50	8.604	
7,200.00	7,169.84	7,208.69	7,169.84	13.74	14.00	-90.39	458.09	-397.43	228.01	201.34	26.67	8.550	
7,300.00	7,269.84	7,308.69	7,269.84	13.82	14.08	-90.39	458.09	-397.43	228.01	201.17	26.84	8.496	
7,400.00	7,369.84	7,408.69	7,369.84	13.91	14.16	-90.39	458.09	-397.43	228.01	201.00	27.00	8.443	
7,500.00	7,469.84	7,508.69	7,469.84	14.00	14.24	-90.39	458.09	-397.43	228.01	200.83	27.17	8.391	
7,600.00	7,569.84	7,608.69	7,569.84	14.08	14.33	-90.39	458.09	-397.43	228.01	200.67	27.34	8.340	
7,700.00	7,669.84	7,708.69	7,669.84	14.17	14.41	-90.39	458.09	-397.43	228.01	200.50	27.51	8.289	
7,800.00	7,769.84	7,808.69	7,769.84	14.26	14.49	-90.39	458.09	-397.43	228.01	200.33	27.68	8.239	
7,900.00	7,869.84	7,908.69	7,869.84	14.34	14.57	-90.39	458.09	-397.43	228.01	200.16	27.84	8.189	
8,000.00	7,969.84	8,008.69	7,969.84	14.43	14.65	-90.39	458.09	-397.43	228.01	200.00	28.01	8.140	
8,100.00	8,069.84	8,108.69	8,069.84	14.51	14.74	-90.39	458.09	-397.43	228.01	199.83	28.18	8.092	
8,200.00	8,169.84	8,208.69	8,169.84	14.60	14.82	-90.39	458.09	-397.43	228.01	199.66	28.34	8.044	
8,300.00	8,269.84	8,308.69	8,269.84	14.69	14.90	-90.39	458.09	-397.43	228.01	199.49	28.51	7.997	
8,400.00	8,369.84	8,408.69	8,369.84	14.77	14.98	-90.39	458.09	-397.43	228.01	199.33	28.68	7.950	
8,500.00	8,469.84	8,508.69	8,469.84	14.86	15.06	-90.39	458.09	-397.43	228.01	199.16	28.85	7.904	
8,600.00	8,569.84	8,608.69	8,569.84	14.94	15.15	-90.39	458.09	-397.43	228.01	198.99	29.01	7.858	
8,700.00	8,669.84	8,708.69	8,669.84	15.03	15.23	-90.39	458.09	-397.43	228.01	198.82	29.18	7.813	
8,800.00	8,769.84	8,808.69	8,769.84	15.12	15.31	-90.39	458.09	-397.43	228.01	198.66	29.35	7.769	
8,900.00	8,869.84	8,908.69	8,869.84	15.20	15.39	-90.39	458.09	-397.43	228.01	198.49	29.52	7.725	
9,000.00	8,969.84	9,008.69	8,969.84	15.29	15.47	-90.39	458.09	-397.43	228.01	198.32	29.68	7.682	
9,100.00	9,069.84	9,108.69	9,069.84	15.37	15.56	-90.39	458.09	-397.43	228.01	198.16	29.85	7.639	
9,200.00	9,169.84	9,208.69	9,169.84	15.46	15.64	-90.39	458.09	-397.43	228.01	197.99	30.02	7.596	
9,300.00	9,269.84	9,308.69	9,269.84	15.54	15.72	-90.39	458.09	-397.43	228.01	197.82	30.18	7.554	
9,400.00	9,369.84	9,408.69	9,369.84	15.63	15.80	-90.39	458.09	-397.43	228.01	197.66	30.35	7.513	
9,500.00	9,469.84	9,508.69	9,469.84	15.71	15.89	-90.39	458.09	-397.43	228.01	197.49	30.52	7.472	
9,600.00	9,569.84	9,608.69	9,569.84	15.80	15.97	-90.39	458.09	-397.43	228.01	197.32	30.68	7.431	
9,700.00	9,669.84	9,708.69	9,669.84	15.89	16.05	-90.39	458.09	-397.43	228.01	197.16	30.85	7.391	
9,800.00	9,769.84	9,808.69	9,769.84	15.97	16.13	-90.39	458.09	-397.43	228.01	196.99	31.02	7.351	
9,900.00	9,869.84	9,908.69	9,869.84	16.06	16.21	-90.39	458.09	-397.43	228.01	196.82	31.18	7.312	

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 135H
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 135H	**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
10,000.00	9,969.84	10,008.69	9,969.84	16.14	16.30	-90.39	458.09	-397.43	228.01	196.66	31.35	7.273	
10,100.00	10,069.84	10,108.69	10,069.84	16.23	16.38	-90.39	458.09	-397.43	228.01	196.49	31.52	7.234	
10,200.00	10,169.84	10,208.69	10,169.84	16.31	16.46	-90.39	458.09	-397.43	228.01	196.32	31.68	7.196	
10,300.00	10,269.84	10,308.69	10,269.84	16.40	16.54	-90.39	458.09	-397.43	228.01	196.16	31.85	7.159	
10,400.00	10,369.84	10,408.69	10,369.84	16.48	16.62	-90.39	458.09	-397.43	228.01	195.99	32.02	7.122	
10,500.00	10,469.84	10,508.69	10,469.84	16.57	16.71	-90.39	458.09	-397.43	228.01	195.82	32.18	7.085	
10,600.00	10,569.84	10,608.69	10,569.84	16.65	16.79	-90.39	458.09	-397.43	228.01	195.66	32.35	7.048	
10,700.00	10,669.84	10,708.69	10,669.84	16.74	16.87	-90.39	458.09	-397.43	228.01	195.49	32.52	7.012	
10,800.00	10,769.84	10,808.69	10,769.84	16.82	16.95	-90.39	458.09	-397.43	228.01	195.32	32.68	6.977	
10,900.00	10,869.84	10,908.69	10,869.84	16.91	17.04	-90.39	458.09	-397.43	228.01	195.16	32.85	6.941	
11,000.00	10,969.84	11,008.69	10,969.84	16.99	17.12	-90.39	458.09	-397.43	228.01	194.99	33.01	6.906	
11,100.00	11,069.84	11,108.69	11,069.84	17.08	17.20	-90.39	458.09	-397.43	228.01	194.83	33.18	6.872	
11,200.00	11,169.84	11,208.69	11,169.84	17.16	17.28	-90.39	458.09	-397.43	228.01	194.66	33.35	6.837	
11,300.00	11,269.84	11,308.69	11,269.84	17.25	17.36	-90.39	458.09	-397.43	228.01	194.49	33.51	6.804	
11,400.00	11,369.84	11,408.69	11,369.84	17.33	17.45	-90.39	458.09	-397.43	228.01	194.33	33.68	6.770	
11,500.00	11,469.84	11,508.69	11,469.84	17.42	17.53	-90.39	458.09	-397.43	228.01	194.16	33.84	6.737	
11,581.16	11,551.00	11,589.85	11,551.00	17.48	17.59	-90.39	458.09	-397.43	228.01	194.03	33.97	6.712	
11,600.00	11,569.83	11,608.69	11,569.83	17.48	17.61	90.18	458.09	-397.43	228.01	194.02	33.99	6.709	
11,650.00	11,619.67	11,658.52	11,619.67	17.49	17.65	91.13	458.09	-397.43	228.05	194.05	34.00	6.707	
11,700.00	11,668.99	11,707.84	11,668.99	17.51	17.69	93.12	458.09	-397.43	228.36	194.35	34.01	6.714	
11,750.00	11,717.40	11,756.26	11,717.40	17.51	17.73	96.02	458.09	-397.43	229.38	195.37	34.01	6.744	
11,800.00	11,764.55	11,803.41	11,764.55	17.52	17.77	99.63	458.09	-397.43	231.79	197.76	34.02	6.812	
11,850.00	11,810.08	11,848.93	11,810.08	17.52	17.81	103.70	458.09	-397.43	236.37	202.32	34.06	6.941	
11,900.00	11,853.63	11,892.49	11,853.63	17.52	17.84	107.93	458.09	-397.43	243.99	209.87	34.12	7.151	
11,950.00	11,894.88	11,933.74	11,894.88	17.53	17.87	111.99	458.09	-397.43	255.40	221.19	34.22	7.464	
12,000.00	11,933.52	11,972.37	11,933.52	17.53	17.90	115.61	458.09	-397.43	271.18	236.82	34.35	7.894	
12,050.00	11,969.24	12,022.97	11,984.06	17.53	17.91	120.39	456.15	-397.41	290.76	256.26	34.50	8.427	
12,100.00	12,001.78	12,079.77	12,040.35	17.53	17.93	125.09	448.69	-397.35	312.58	277.76	34.82	8.978	
12,150.00	12,030.89	12,143.02	12,101.80	17.53	17.94	129.57	433.88	-397.22	335.81	300.38	35.43	9.477	
12,200.00	12,056.34	12,214.63	12,168.92	17.53	17.96	133.86	409.05	-397.01	359.64	323.13	36.51	9.851	
12,250.00	12,077.95	12,297.05	12,241.64	17.54	17.98	137.96	370.40	-396.67	383.09	344.92	38.17	10.035	
12,300.00	12,095.55	12,393.19	12,318.40	17.55	18.00	141.77	312.71	-396.18	405.04	364.52	40.52	9.997	
12,350.00	12,109.01	12,505.88	12,394.60	17.56	18.04	145.11	229.94	-395.47	424.09	380.66	43.43	9.765	
12,400.00	12,118.22	12,636.39	12,460.64	17.58	18.11	147.69	117.69	-394.50	438.60	392.10	46.49	9.434	
12,450.00	12,123.11	12,782.08	12,502.30	17.60	18.25	149.17	-21.49	-393.30	446.87	397.98	48.89	9.140	
12,476.17	12,123.94	12,861.82	12,509.79	17.61	18.36	149.42	-100.82	-392.62	448.28	398.73	49.55	9.046	
12,500.00	12,124.14	12,891.73	12,510.12	17.62	18.41	149.43	-130.72	-392.36	448.30	398.69	49.61	9.036	
12,600.00	12,125.02	12,991.73	12,510.99	17.69	18.60	149.43	-230.72	-391.50	448.30	398.55	49.75	9.011	
12,700.00	12,125.89	13,091.73	12,511.87	17.79	18.85	149.43	-330.71	-390.64	448.30	398.36	49.94	8.977	
12,800.00	12,126.76	13,191.73	12,512.74	17.95	19.18	149.43	-430.70	-389.78	448.31	398.12	50.18	8.934	
12,900.00	12,127.63	13,291.73	12,513.61	18.21	19.58	149.43	-530.69	-388.92	448.31	397.84	50.47	8.882	
13,000.00	12,128.50	13,391.73	12,514.48	18.61	20.07	149.43	-630.69	-388.06	448.31	397.50	50.81	8.823	
13,100.00	12,129.37	13,491.73	12,515.36	19.18	20.65	149.43	-730.68	-387.19	448.31	397.11	51.20	8.756	
13,200.00	12,130.24	13,591.73	12,516.23	19.87	21.31	149.43	-830.67	-386.33	448.31	396.68	51.63	8.683	
13,300.00	12,131.11	13,691.73	12,517.10	20.66	22.05	149.43	-930.66	-385.47	448.32	396.21	52.11	8.603	
13,400.00	12,131.99	13,791.73	12,517.98	21.53	22.86	149.43	-1,030.66	-384.61	448.32	395.68	52.63	8.518	
13,500.00	12,132.86	13,891.73	12,518.85	22.45	23.73	149.43	-1,130.65	-383.75	448.32	395.12	53.20	8.427	
13,600.00	12,133.73	13,991.73	12,519.72	23.43	24.65	149.43	-1,230.64	-382.89	448.32	394.51	53.81	8.332	
13,700.00	12,134.60	14,091.73	12,520.60	24.44	25.62	149.43	-1,330.63	-382.03	448.32	393.87	54.45	8.233	
13,800.00	12,135.47	14,191.73	12,521.47	25.50	26.62	149.43	-1,430.63	-381.17	448.32	393.18	55.14	8.130	
13,900.00	12,136.34	14,291.73	12,522.34	26.58	27.66	149.43	-1,530.62	-380.31	448.33	392.46	55.87	8.025	
14,000.00	12,137.21	14,391.73	12,523.22	27.69	28.73	149.43	-1,630.61	-379.45	448.33	391.70	56.63	7.917	

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 135H
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 135H	**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
14,100.00	12,138.08	14,491.73	12,524.09	28.82	29.82	149.43	-1,730.60	-378.59	448.33	390.91	57.42	7.808	
14,200.00	12,138.96	14,591.73	12,524.96	29.98	30.94	149.43	-1,830.60	-377.72	448.33	390.08	58.25	7.697	
14,300.00	12,139.83	14,691.73	12,525.84	31.15	32.08	149.43	-1,930.59	-376.86	448.33	389.23	59.11	7.585	
14,400.00	12,140.70	14,791.73	12,526.71	32.33	33.24	149.43	-2,030.58	-376.00	448.33	388.34	60.00	7.473	
14,500.00	12,141.57	14,891.73	12,527.58	33.54	34.41	149.43	-2,130.57	-375.14	448.34	387.42	60.91	7.360	
14,600.00	12,142.44	14,991.73	12,528.46	34.75	35.60	149.43	-2,230.57	-374.28	448.34	386.48	61.86	7.248	
14,700.00	12,143.31	15,091.73	12,529.33	35.98	36.81	149.43	-2,330.56	-373.42	448.34	385.51	62.83	7.135	
14,800.00	12,144.18	15,191.73	12,530.20	37.21	38.02	149.43	-2,430.55	-372.56	448.34	384.51	63.83	7.024	
14,900.00	12,145.05	15,291.73	12,531.08	38.46	39.24	149.43	-2,530.54	-371.70	448.34	383.49	64.85	6.913	
15,000.00	12,145.93	15,391.73	12,531.95	39.71	40.48	149.43	-2,630.54	-370.84	448.34	382.45	65.90	6.804	
15,100.00	12,146.80	15,491.73	12,532.82	40.97	41.72	149.43	-2,730.53	-369.98	448.35	381.38	66.96	6.695	
15,200.00	12,147.67	15,591.73	12,533.70	42.24	42.97	149.43	-2,830.52	-369.12	448.35	380.30	68.05	6.588	
15,300.00	12,148.54	15,691.73	12,534.57	43.51	44.23	149.43	-2,930.51	-368.25	448.35	379.19	69.16	6.483	
15,400.00	12,149.41	15,791.73	12,535.44	44.79	45.50	149.43	-3,030.51	-367.39	448.35	378.07	70.29	6.379	
15,500.00	12,150.28	15,891.73	12,536.32	46.08	46.77	149.43	-3,130.50	-366.53	448.35	376.92	71.43	6.277	
15,600.00	12,151.15	15,991.73	12,537.19	47.37	48.04	149.43	-3,230.49	-365.67	448.35	375.76	72.59	6.176	
15,700.00	12,152.02	16,091.73	12,538.06	48.66	49.32	149.43	-3,330.48	-364.81	448.36	374.59	73.77	6.078	
15,800.00	12,152.90	16,191.73	12,538.94	49.96	50.61	149.43	-3,430.48	-363.95	448.36	373.40	74.96	5.981	
15,900.00	12,153.77	16,291.73	12,539.81	51.26	51.90	149.43	-3,530.47	-363.09	448.36	372.19	76.17	5.886	
16,000.00	12,154.64	16,391.73	12,540.68	52.57	53.20	149.43	-3,630.46	-362.23	448.36	370.97	77.39	5.793	
16,100.00	12,155.51	16,491.73	12,541.56	53.88	54.50	149.43	-3,730.45	-361.37	448.36	369.73	78.63	5.702	
16,200.00	12,156.38	16,591.73	12,542.43	55.19	55.80	149.43	-3,830.45	-360.51	448.36	368.49	79.88	5.613	
16,300.00	12,157.25	16,691.73	12,543.30	56.50	57.10	149.43	-3,930.44	-359.65	448.37	367.23	81.14	5.526	
16,400.00	12,158.12	16,791.73	12,544.17	57.82	58.41	149.43	-4,030.43	-358.78	448.37	365.96	82.41	5.441	
16,500.00	12,158.99	16,891.73	12,545.05	59.14	59.72	149.43	-4,130.42	-357.92	448.37	364.67	83.70	5.357	
16,600.00	12,159.87	16,991.73	12,545.92	60.46	61.04	149.43	-4,230.42	-357.06	448.37	363.38	84.99	5.275	
16,700.00	12,160.74	17,091.73	12,546.79	61.79	62.35	149.43	-4,330.41	-356.20	448.37	362.08	86.30	5.196	
16,800.00	12,161.61	17,191.73	12,547.67	63.11	63.67	149.43	-4,430.40	-355.34	448.38	360.76	87.61	5.118	
16,900.00	12,162.48	17,291.73	12,548.54	64.44	64.99	149.43	-4,530.39	-354.48	448.38	359.44	88.94	5.042	
17,000.00	12,163.35	17,391.73	12,549.41	65.77	66.31	149.44	-4,630.39	-353.62	448.38	358.11	90.27	4.967	
17,100.00	12,164.22	17,491.73	12,550.29	67.10	67.64	149.44	-4,730.38	-352.76	448.38	356.77	91.61	4.894	
17,200.00	12,165.09	17,591.73	12,551.16	68.43	68.96	149.44	-4,830.37	-351.90	448.38	355.42	92.96	4.823	
17,300.00	12,165.96	17,691.73	12,552.03	69.77	70.29	149.44	-4,930.36	-351.04	448.38	354.07	94.32	4.754	
17,400.00	12,166.84	17,791.73	12,552.91	71.10	71.62	149.44	-5,030.36	-350.18	448.39	352.70	95.68	4.686	
17,500.00	12,167.71	17,891.73	12,553.78	72.44	72.95	149.44	-5,130.35	-349.31	448.39	351.33	97.05	4.620	
17,600.00	12,168.58	17,991.73	12,554.65	73.78	74.29	149.44	-5,230.34	-348.45	448.39	349.96	98.43	4.555	
17,700.00	12,169.45	18,091.73	12,555.53	75.12	75.62	149.44	-5,330.33	-347.59	448.39	348.57	99.82	4.492	
17,800.00	12,170.32	18,191.73	12,556.40	76.46	76.95	149.44	-5,430.33	-346.73	448.39	347.18	101.21	4.430	
17,900.00	12,171.19	18,291.73	12,557.27	77.80	78.29	149.44	-5,530.32	-345.87	448.39	345.79	102.61	4.370	
18,000.00	12,172.06	18,391.73	12,558.15	79.14	79.63	149.44	-5,630.31	-345.01	448.40	344.39	104.01	4.311	
18,100.00	12,172.93	18,491.73	12,559.02	80.48	80.97	149.44	-5,730.30	-344.15	448.40	342.98	105.42	4.253	
18,200.00	12,173.81	18,591.73	12,559.89	81.83	82.31	149.44	-5,830.30	-343.29	448.40	341.57	106.83	4.197	
18,300.00	12,174.68	18,691.73	12,560.77	83.17	83.65	149.44	-5,930.29	-342.43	448.40	340.15	108.25	4.142	
18,400.00	12,175.55	18,791.73	12,561.64	84.52	84.99	149.44	-6,030.28	-341.57	448.40	338.73	109.68	4.088	
18,500.00	12,176.42	18,891.73	12,562.51	85.86	86.33	149.44	-6,130.27	-340.71	448.40	337.30	111.11	4.036	
18,600.00	12,177.29	18,991.73	12,563.39	87.21	87.67	149.44	-6,230.27	-339.84	448.41	335.87	112.54	3.984	
18,700.00	12,178.16	19,091.73	12,564.26	88.56	89.02	149.44	-6,330.26	-338.98	448.41	334.43	113.98	3.934	
18,800.00	12,179.03	19,191.73	12,565.13	89.91	90.36	149.44	-6,430.25	-338.12	448.41	332.99	115.42	3.885	
18,900.00	12,179.90	19,291.73	12,566.01	91.26	91.71	149.44	-6,530.24	-337.26	448.41	331.54	116.87	3.837	
19,000.00	12,180.78	19,391.73	12,566.88	92.61	93.06	149.44	-6,630.24	-336.40	448.41	330.10	118.32	3.790	
19,100.00	12,181.65	19,491.73	12,567.75	93.96	94.40	149.44	-6,730.23	-335.54	448.41	328.64	119.77	3.744	
19,200.00	12,182.52	19,591.73	12,568.63	95.31	95.75	149.44	-6,830.22	-334.68	448.42	327.19	121.23	3.699	

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 135H
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 135H	**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
19,300.00	12,183.39	19,691.73	12,569.50	96.66	97.10	149.44	-6,930.21	-333.82	448.42	325.73	122.69	3.655	
19,400.00	12,184.26	19,791.73	12,570.37	98.01	98.45	149.44	-7,030.21	-332.96	448.42	324.27	124.15	3.612	
19,500.00	12,185.13	19,891.73	12,571.25	99.36	99.80	149.44	-7,130.20	-332.10	448.42	322.80	125.62	3.570	
19,600.00	12,186.00	19,991.73	12,572.12	100.72	101.15	149.44	-7,230.19	-331.24	448.42	321.33	127.09	3.528	
19,700.00	12,186.87	20,091.73	12,572.99	102.07	102.50	149.44	-7,330.18	-330.37	448.43	319.86	128.57	3.488	
19,800.00	12,187.75	20,191.73	12,573.86	103.42	103.85	149.44	-7,430.18	-329.51	448.43	318.38	130.04	3.448	
19,900.00	12,188.62	20,291.73	12,574.74	104.78	105.20	149.44	-7,530.17	-328.65	448.43	316.90	131.52	3.409	
20,000.00	12,189.49	20,391.73	12,575.61	106.13	106.55	149.44	-7,630.16	-327.79	448.43	315.42	133.01	3.371	
20,100.00	12,190.36	20,491.73	12,576.48	107.49	107.91	149.44	-7,730.15	-326.93	448.43	313.94	134.49	3.334	
20,200.00	12,191.23	20,591.73	12,577.36	108.84	109.26	149.44	-7,830.15	-326.07	448.43	312.45	135.98	3.298	
20,300.00	12,192.10	20,691.73	12,578.23	110.20	110.61	149.44	-7,930.14	-325.21	448.44	310.96	137.47	3.262	
20,400.00	12,192.97	20,791.73	12,579.10	111.55	111.97	149.44	-8,030.13	-324.35	448.44	309.47	138.96	3.227	
20,500.00	12,193.85	20,891.73	12,579.98	112.91	113.32	149.44	-8,130.12	-323.49	448.44	307.98	140.46	3.193	
20,600.00	12,194.72	20,991.73	12,580.85	114.27	114.67	149.44	-8,230.12	-322.63	448.44	306.48	141.96	3.159	
20,700.00	12,195.59	21,091.73	12,581.72	115.62	116.03	149.44	-8,330.11	-321.76	448.44	304.99	143.46	3.126	
20,800.00	12,196.46	21,191.73	12,582.60	116.98	117.38	149.44	-8,430.10	-320.90	448.44	303.49	144.96	3.094	
20,900.00	12,197.33	21,291.73	12,583.47	118.34	118.74	149.44	-8,530.09	-320.04	448.45	301.99	146.46	3.062	
21,000.00	12,198.20	21,391.73	12,584.34	119.70	120.10	149.44	-8,630.09	-319.18	448.45	300.48	147.97	3.031	
21,100.00	12,199.07	21,491.73	12,585.22	121.05	121.45	149.44	-8,730.08	-318.32	448.45	298.98	149.47	3.000	
21,200.00	12,199.94	21,591.73	12,586.09	122.41	122.81	149.44	-8,830.07	-317.46	448.45	297.47	150.98	2.970	
21,300.00	12,200.82	21,691.73	12,586.96	123.77	124.17	149.44	-8,930.06	-316.60	448.45	295.96	152.49	2.941	
21,400.00	12,201.69	21,791.73	12,587.84	125.13	125.52	149.44	-9,030.05	-315.74	448.45	294.45	154.01	2.912	
21,500.00	12,202.56	21,891.73	12,588.71	126.49	126.88	149.44	-9,130.05	-314.88	448.46	292.93	155.52	2.884	
21,600.00	12,203.43	21,991.73	12,589.58	127.85	128.24	149.44	-9,230.04	-314.02	448.46	291.42	157.04	2.856	
21,700.00	12,204.30	22,091.73	12,590.46	129.21	129.60	149.44	-9,330.03	-313.16	448.46	289.90	158.56	2.828	
21,800.00	12,205.17	22,191.73	12,591.33	130.57	130.95	149.44	-9,430.02	-312.29	448.46	288.39	160.08	2.802	
21,900.00	12,206.04	22,291.73	12,592.20	131.93	132.31	149.44	-9,530.02	-311.43	448.46	286.87	161.60	2.775	
22,000.00	12,206.91	22,391.73	12,593.08	133.29	133.67	149.44	-9,630.01	-310.57	448.46	285.35	163.12	2.749	
22,100.00	12,207.79	22,491.73	12,593.95	134.65	135.03	149.44	-9,730.00	-309.71	448.47	283.82	164.64	2.724	
22,200.00	12,208.66	22,591.73	12,594.82	136.01	136.39	149.44	-9,829.99	-308.85	448.47	282.30	166.17	2.699	
22,300.00	12,209.53	22,691.73	12,595.70	137.37	137.75	149.44	-9,929.99	-307.99	448.47	280.77	167.69	2.674	
22,400.00	12,210.40	22,791.73	12,596.57	138.73	139.11	149.44	-10,029.98	-307.13	448.47	279.25	169.22	2.650	
22,411.61	12,210.50	22,803.34	12,596.67	138.89	139.27	149.44	-10,041.59	-307.03	448.47	279.07	169.40	2.647	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 135H
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 135H	**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
5,800.00	5,769.84	5,831.47	5,806.27	12.52	12.69	86.80	595.28	2,256.53	2,429.98	2,406.15	23.83	101.980	
5,900.00	5,869.84	5,930.92	5,905.17	12.61	12.88	87.04	584.91	2,255.75	2,428.62	2,404.54	24.09	100.830	
6,000.00	5,969.84	6,030.37	6,004.08	12.69	13.06	87.29	574.55	2,254.96	2,427.32	2,402.97	24.34	99.708	
6,100.00	6,069.84	6,129.83	6,102.99	12.78	13.24	87.53	564.18	2,254.18	2,426.05	2,401.45	24.60	98.611	
6,200.00	6,169.84	6,229.28	6,201.90	12.87	13.42	87.77	553.82	2,253.40	2,424.83	2,399.97	24.86	97.539	
6,300.00	6,269.84	6,328.73	6,300.81	12.96	13.61	88.02	543.46	2,252.61	2,423.65	2,398.54	25.12	96.492	
6,400.00	6,369.84	6,428.18	6,399.71	13.04	13.79	88.26	533.09	2,251.83	2,422.52	2,397.15	25.38	95.468	
6,500.00	6,469.84	6,527.64	6,498.62	13.13	13.97	88.51	522.73	2,251.05	2,421.43	2,395.80	25.63	94.467	
6,600.00	6,569.84	6,627.09	6,597.53	13.22	14.15	88.75	512.36	2,250.26	2,420.39	2,394.50	25.89	93.488	
6,700.00	6,669.84	6,726.54	6,696.44	13.30	14.33	89.00	502.00	2,249.48	2,419.39	2,393.25	26.14	92.549	
6,800.00	6,769.84	6,823.06	6,792.46	13.39	14.49	89.23	492.29	2,248.74	2,418.47	2,392.11	26.37	91.719	
6,900.00	6,869.84	6,917.52	6,886.62	13.48	14.67	89.40	484.88	2,248.18	2,417.79	2,391.19	26.60	90.905	
7,000.00	6,969.84	7,012.28	6,981.25	13.56	14.84	89.52	479.78	2,247.80	2,417.33	2,390.52	26.81	90.177	
7,100.00	7,069.84	7,107.25	7,076.17	13.65	14.99	89.59	477.02	2,247.59	2,417.09	2,390.09	26.99	89.545	
7,200.00	7,169.84	7,203.92	7,172.84	13.74	15.03	89.60	476.49	2,247.55	2,417.04	2,389.94	27.10	89.187	
7,300.00	7,269.84	7,303.92	7,272.84	13.82	15.05	89.60	476.49	2,247.55	2,417.04	2,389.83	27.21	88.833	
7,400.00	7,369.84	7,403.92	7,372.84	13.91	15.08	89.60	476.49	2,247.55	2,417.04	2,389.72	27.32	88.480	
7,500.00	7,469.84	7,503.92	7,472.84	14.00	15.10	89.60	476.49	2,247.55	2,417.04	2,389.61	27.43	88.129	
7,600.00	7,569.84	7,603.92	7,572.84	14.08	15.13	89.60	476.49	2,247.55	2,417.04	2,389.50	27.54	87.779	
7,700.00	7,669.84	7,703.92	7,672.84	14.17	15.15	89.60	476.49	2,247.55	2,417.04	2,389.39	27.64	87.431	
7,800.00	7,769.84	7,803.92	7,772.84	14.26	15.18	89.60	476.49	2,247.55	2,417.04	2,389.28	27.75	87.085	
7,900.00	7,869.84	7,903.92	7,872.84	14.34	15.21	89.60	476.49	2,247.55	2,417.04	2,389.17	27.87	86.740	
8,000.00	7,969.84	8,003.92	7,972.84	14.43	15.23	89.60	476.49	2,247.55	2,417.04	2,389.06	27.98	86.397	
8,100.00	8,069.84	8,103.92	8,072.84	14.51	15.26	89.60	476.49	2,247.55	2,417.04	2,388.95	28.09	86.056	
8,200.00	8,169.84	8,203.92	8,172.84	14.60	15.29	89.60	476.49	2,247.55	2,417.04	2,388.84	28.20	85.716	
8,300.00	8,269.84	8,303.92	8,272.84	14.69	15.32	89.60	476.49	2,247.55	2,417.04	2,388.73	28.31	85.377	
8,400.00	8,369.84	8,403.92	8,372.84	14.77	15.35	89.60	476.49	2,247.55	2,417.04	2,388.62	28.42	85.040	
8,500.00	8,469.84	8,503.92	8,472.84	14.86	15.37	89.60	476.49	2,247.55	2,417.04	2,388.50	28.53	84.705	
8,600.00	8,569.84	8,603.92	8,572.84	14.94	15.40	89.60	476.49	2,247.55	2,417.04	2,388.39	28.65	84.371	
8,700.00	8,669.84	8,703.92	8,672.84	15.03	15.43	89.60	476.49	2,247.55	2,417.04	2,388.28	28.76	84.039	
8,800.00	8,769.84	8,803.92	8,772.84	15.12	15.46	89.60	476.49	2,247.55	2,417.04	2,388.16	28.87	83.709	
8,900.00	8,869.84	8,903.92	8,872.84	15.20	15.49	89.60	476.49	2,247.55	2,417.04	2,388.05	28.99	83.380	
9,000.00	8,969.84	9,003.92	8,972.84	15.29	15.53	89.60	476.49	2,247.55	2,417.04	2,387.94	29.10	83.052	
9,100.00	9,069.84	9,103.92	9,072.84	15.37	15.56	89.60	476.49	2,247.55	2,417.04	2,387.82	29.22	82.727	
9,200.00	9,169.84	9,203.92	9,172.84	15.46	15.59	89.60	476.49	2,247.55	2,417.04	2,387.71	29.33	82.402	
9,300.00	9,269.84	9,303.92	9,272.84	15.54	15.62	89.60	476.49	2,247.55	2,417.04	2,387.59	29.45	82.080	
9,400.00	9,369.84	9,403.92	9,372.84	15.63	15.65	89.60	476.49	2,247.55	2,417.04	2,387.48	29.56	81.758	
9,500.00	9,469.84	9,503.92	9,472.84	15.71	15.68	89.60	476.49	2,247.55	2,417.04	2,387.36	29.68	81.439	
9,600.00	9,569.84	9,603.92	9,572.84	15.80	15.72	89.60	476.49	2,247.55	2,417.04	2,387.24	29.80	81.121	
9,700.00	9,669.84	9,703.92	9,672.84	15.89	15.75	89.60	476.49	2,247.55	2,417.04	2,387.13	29.91	80.804	
9,800.00	9,769.84	9,803.92	9,772.84	15.97	15.79	89.60	476.49	2,247.55	2,417.04	2,387.01	30.03	80.489	
9,900.00	9,869.84	9,903.92	9,872.84	16.06	15.82	89.60	476.49	2,247.55	2,417.04	2,386.89	30.15	80.176	
10,000.00	9,969.84	10,003.92	9,972.84	16.14	15.85	89.60	476.49	2,247.55	2,417.04	2,386.77	30.26	79.864	
10,100.00	10,069.84	10,103.92	10,072.84	16.23	15.89	89.60	476.49	2,247.55	2,417.04	2,386.66	30.38	79.554	
10,200.00	10,169.84	10,203.92	10,172.84	16.31	15.92	89.60	476.49	2,247.55	2,417.04	2,386.54	30.50	79.245	
10,300.00	10,269.84	10,303.92	10,272.84	16.40	15.96	89.60	476.49	2,247.55	2,417.04	2,386.42	30.62	78.938	
10,400.00	10,369.84	10,403.92	10,372.84	16.48	15.99	89.60	476.49	2,247.55	2,417.04	2,386.30	30.74	78.632	
10,500.00	10,469.84	10,503.92	10,472.84	16.57	16.03	89.60	476.49	2,247.55	2,417.04	2,386.18	30.86	78.328	
10,600.00	10,569.84	10,603.92	10,572.84	16.65	16.07	89.60	476.49	2,247.55	2,417.04	2,386.06	30.98	78.025	
10,700.00	10,669.84	10,703.92	10,672.84	16.74	16.10	89.60	476.49	2,247.55	2,417.04	2,385.94	31.10	77.724	
10,800.00	10,769.84	10,803.92	10,772.84	16.82	16.14	89.60	476.49	2,247.55	2,417.04	2,385.82	31.22	77.424	
10,900.00	10,869.84	10,903.92	10,872.84	16.91	16.18	89.60	476.49	2,247.55	2,417.04	2,385.70	31.34	77.126	

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 135H
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 135H	**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
11,000.00	10,969.84	11,003.92	10,972.84	16.99	16.22	89.60	476.49	2,247.55	2,417.04	2,385.58	31.46	76.829	
11,100.00	11,069.84	11,103.92	11,072.84	17.08	16.25	89.60	476.49	2,247.55	2,417.04	2,385.46	31.58	76.534	
11,200.00	11,169.84	11,203.92	11,172.84	17.16	16.29	89.60	476.49	2,247.55	2,417.04	2,385.34	31.70	76.240	
11,300.00	11,269.84	11,303.92	11,272.84	17.25	16.33	89.60	476.49	2,247.55	2,417.04	2,385.21	31.82	75.948	
11,400.00	11,369.84	11,403.92	11,372.84	17.33	16.37	89.60	476.49	2,247.55	2,417.04	2,385.09	31.95	75.657	
11,500.00	11,469.84	11,503.92	11,472.84	17.42	16.41	89.60	476.49	2,247.55	2,417.04	2,384.97	32.07	75.368	
11,581.16	11,551.00	11,585.08	11,554.00	17.48	16.44	89.60	476.49	2,247.55	2,417.04	2,384.88	32.16	75.156	
11,600.00	11,569.83	11,603.91	11,572.83	17.48	16.45	-89.91	476.49	2,247.55	2,417.04	2,384.87	32.17	75.140	ES
11,648.57	11,618.25	11,652.33	11,621.25	17.49	16.47	-90.00	476.49	2,247.55	2,417.04	2,384.88	32.16	75.167	CC
11,650.00	11,619.67	11,653.75	11,622.67	17.49	16.47	-90.00	476.49	2,247.55	2,417.04	2,384.88	32.16	75.168	
11,700.00	11,668.99	11,703.07	11,671.99	17.51	16.49	-90.19	476.49	2,247.55	2,417.05	2,384.93	32.12	75.246	
11,750.00	11,717.40	11,751.48	11,720.40	17.51	16.51	-90.47	476.49	2,247.55	2,417.12	2,385.06	32.07	75.372	
11,800.00	11,764.55	11,798.63	11,767.55	17.52	16.53	-90.82	476.49	2,247.55	2,417.32	2,385.33	32.00	75.546	
11,850.00	11,810.08	11,844.16	11,813.08	17.52	16.54	-91.23	476.49	2,247.55	2,417.73	2,385.82	31.91	75.772	
11,900.00	11,853.63	11,887.71	11,856.63	17.52	16.56	-91.66	476.49	2,247.55	2,418.44	2,386.64	31.81	76.039	
11,950.00	11,894.88	11,938.27	11,907.13	17.53	16.65	-92.19	474.38	2,247.57	2,419.49	2,387.78	31.71	76.299	
12,000.00	11,933.52	11,992.17	11,960.53	17.53	16.79	-92.73	467.24	2,247.63	2,420.83	2,389.18	31.65	76.487	
12,050.00	11,969.24	12,049.72	12,016.55	17.53	16.94	-93.27	454.12	2,247.75	2,422.42	2,390.78	31.64	76.567	
12,100.00	12,001.78	12,111.58	12,074.95	17.53	17.12	-93.83	433.83	2,247.94	2,424.23	2,392.53	31.70	76.476	
12,150.00	12,030.89	12,178.44	12,135.22	17.53	17.31	-94.39	404.97	2,248.20	2,426.21	2,394.36	31.85	76.174	
12,200.00	12,056.34	12,251.05	12,196.37	17.53	17.51	-94.96	365.91	2,248.56	2,428.29	2,396.17	32.12	75.608	
12,250.00	12,077.95	12,330.09	12,256.74	17.54	17.71	-95.51	314.99	2,249.02	2,430.36	2,397.82	32.54	74.690	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 135H
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 135H	**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	-6.79	210.00	-25.00	211.48				
100.00	100.00	101.00	101.00	0.98	0.99	-6.79	210.00	-25.00	211.48	209.52	1.97	107.480	
200.00	200.00	201.00	201.00	1.56	1.57	-6.79	210.00	-25.00	211.48	208.36	3.13	67.644	
300.00	300.00	301.00	301.00	1.98	1.98	-6.79	210.00	-25.00	211.48	207.52	3.97	53.327	
400.00	400.00	401.00	401.00	2.33	2.33	-6.79	210.00	-25.00	211.48	206.82	4.66	45.364	
500.00	500.00	501.00	501.00	2.63	2.64	-6.79	210.00	-25.00	211.48	206.21	5.27	40.116	
600.00	600.00	601.00	601.00	2.91	2.91	-6.79	210.00	-25.00	211.48	205.66	5.82	36.321	
700.00	700.00	701.00	701.00	3.16	3.17	-6.79	210.00	-25.00	211.48	205.15	6.33	33.410	
800.00	800.00	801.00	801.00	3.40	3.40	-6.79	210.00	-25.00	211.48	204.68	6.80	31.085	
900.00	899.99	900.99	900.99	3.68	3.63	13.53	210.00	-25.00	210.21	202.91	7.30	28.790	
1,000.00	999.91	1,001.08	1,001.08	3.94	3.76	13.81	210.00	-24.94	206.39	198.69	7.70	26.807	
1,100.00	1,099.77	1,101.63	1,101.61	4.15	4.01	14.70	209.93	-23.06	201.05	192.96	8.09	24.838	
1,200.00	1,199.63	1,201.92	1,201.79	4.35	4.24	16.41	209.78	-18.56	195.49	187.01	8.48	23.060	
1,250.43	1,250.00	1,252.35	1,252.12	4.40	4.35	17.59	209.66	-15.30	192.66	184.05	8.62	22.358	
1,300.00	1,299.48	1,301.77	1,301.39	4.45	4.46	19.03	209.53	-11.46	189.63	180.87	8.75	21.662	
1,400.00	1,399.17	1,400.85	1,400.09	4.69	4.60	22.59	209.23	-2.85	182.07	172.96	9.12	19.969	
1,500.00	1,498.62	1,499.58	1,498.45	4.93	4.78	26.82	208.93	5.75	172.93	163.42	9.51	18.176	
1,550.47	1,548.70	1,549.26	1,547.94	4.99	4.87	29.29	208.78	10.08	167.83	158.18	9.65	17.386	
1,600.00	1,597.81	1,597.97	1,596.46	5.05	4.95	31.87	208.63	14.32	162.87	153.08	9.79	16.643	
1,700.00	1,696.95	1,696.30	1,694.42	5.25	5.13	37.55	208.33	22.88	153.96	143.82	10.14	15.188	
1,800.00	1,796.09	1,794.64	1,792.39	5.44	5.31	43.84	208.03	31.45	146.77	136.28	10.49	13.998	
1,900.00	1,895.24	1,892.98	1,890.35	5.64	5.48	50.66	207.73	40.01	141.56	130.73	10.83	13.067	
2,000.00	1,994.38	1,991.31	1,988.31	5.83	5.66	57.88	207.43	48.58	138.55	127.37	11.18	12.390	
2,077.70	2,071.42	2,067.72	2,064.43	5.99	5.79	63.63	207.20	55.24	137.83	126.37	11.46	12.031	CC
2,100.00	2,093.53	2,089.65	2,086.27	6.03	5.83	65.29	207.13	57.15	137.89	126.35	11.54	11.954	ES
2,200.00	2,192.67	2,187.99	2,184.24	6.22	6.01	72.64	206.83	65.71	139.61	127.71	11.90	11.732	
2,300.00	2,291.82	2,283.33	2,279.14	6.42	6.20	79.51	206.91	74.75	144.48	132.22	12.26	11.787	
2,400.00	2,390.96	2,377.73	2,372.89	6.61	6.39	85.77	208.03	85.76	153.86	141.23	12.62	12.188	
2,500.00	2,490.11	2,471.63	2,465.86	6.81	6.58	91.15	210.18	98.76	167.40	154.41	12.99	12.887	
2,600.00	2,589.25	2,564.92	2,557.89	7.00	6.78	95.55	213.34	113.68	184.64	171.29	13.35	13.830	
2,700.00	2,688.39	2,657.50	2,648.84	7.20	6.98	99.00	217.48	130.48	205.11	191.41	13.70	14.967	
2,800.00	2,787.54	2,749.26	2,738.56	7.39	7.17	101.64	222.57	149.06	228.43	214.38	14.05	16.258	
2,900.00	2,886.68	2,840.12	2,826.91	7.59	7.36	103.60	228.58	169.34	254.31	239.92	14.39	17.674	
3,000.00	2,985.83	2,932.11	2,915.88	7.78	7.55	105.06	235.57	191.66	282.41	267.67	14.73	19.167	
3,100.00	3,084.97	3,027.72	3,008.23	7.98	7.73	106.28	243.04	215.25	311.09	295.98	15.11	20.590	
3,200.00	3,184.12	3,123.33	3,100.59	8.17	7.92	107.29	250.51	238.84	339.87	324.39	15.49	21.948	
3,300.00	3,283.26	3,218.94	3,192.94	8.36	8.10	108.14	257.98	262.43	368.74	352.88	15.86	23.244	
3,400.00	3,382.40	3,314.55	3,285.29	8.56	8.29	108.87	265.46	286.02	397.68	381.43	16.25	24.479	
3,500.00	3,481.55	3,410.16	3,377.64	8.75	8.54	109.50	272.93	309.62	426.66	410.03	16.63	25.658	
3,600.00	3,580.69	3,505.77	3,469.99	8.95	8.81	110.05	280.40	333.21	455.69	438.67	17.01	26.782	
3,700.00	3,679.84	3,601.37	3,562.34	9.14	9.09	110.53	287.87	356.80	484.75	467.35	17.40	27.855	
3,800.00	3,778.98	3,696.98	3,654.69	9.33	9.37	110.96	295.34	380.39	513.84	496.04	17.79	28.880	
3,900.00	3,878.13	3,792.59	3,747.04	9.53	9.65	111.35	302.82	403.98	542.95	524.76	18.18	29.860	
4,000.00	3,977.27	3,888.20	3,839.39	9.72	9.94	111.69	310.29	427.58	572.08	553.50	18.58	30.796	
4,100.00	4,076.42	3,983.81	3,931.74	9.91	10.23	112.00	317.76	451.17	601.23	582.26	18.97	31.691	
4,200.00	4,175.56	4,079.42	4,024.09	10.11	10.52	112.28	325.23	474.76	630.39	611.02	19.37	32.549	
4,300.00	4,274.70	4,175.03	4,116.44	10.30	10.82	112.54	332.71	498.35	659.57	639.80	19.77	33.369	
4,400.00	4,373.85	4,270.64	4,208.79	10.49	11.12	112.78	340.18	521.94	688.76	668.59	20.16	34.156	
4,500.00	4,472.99	4,366.25	4,301.14	10.69	11.42	112.99	347.65	545.53	717.95	697.39	20.57	34.910	
4,600.00	4,572.14	4,461.85	4,393.49	10.88	11.72	113.19	355.12	569.13	747.16	726.19	20.97	35.634	
4,700.00	4,671.28	4,557.46	4,485.85	11.08	12.02	113.38	362.59	592.72	776.37	755.00	21.37	36.325	
4,702.13	4,673.39	4,559.50	4,487.81	11.08	12.03	113.38	362.75	593.22	776.99	755.61	21.38	36.340	

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 135H
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 135H	**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
4,800.00	4,770.58	4,653.23	4,578.35	11.28	12.33	113.87	370.08	616.35	805.11	783.34	21.77	36.984	
4,900.00	4,870.15	4,749.30	4,671.15	11.48	12.64	114.17	377.59	640.06	832.84	810.69	22.15	37.599	
5,000.00	4,969.93	4,845.60	4,764.17	11.67	12.95	114.30	385.11	663.82	859.54	837.02	22.51	38.178	
5,100.00	5,069.85	4,942.07	4,857.34	11.85	13.26	114.27	392.65	687.62	885.23	862.37	22.86	38.727	
5,200.00	5,169.84	5,038.63	4,950.62	11.99	13.58	114.09	400.20	711.45	909.93	886.75	23.18	39.259	
5,202.16	5,172.00	5,040.72	4,952.64	12.00	13.58	93.85	400.36	711.96	910.46	887.27	23.18	39.270	
5,300.00	5,269.84	5,135.22	5,043.92	12.08	13.89	93.28	407.75	735.28	934.18	910.70	23.48	39.788	
5,400.00	5,369.84	5,231.82	5,137.22	12.17	14.21	92.73	415.30	759.12	958.51	934.73	23.78	40.301	
5,500.00	5,469.84	5,328.41	5,230.52	12.26	14.52	92.21	422.85	782.95	982.92	958.84	24.09	40.807	
5,600.00	5,569.84	5,436.20	5,334.71	12.34	14.87	91.66	431.19	809.31	1,007.22	982.78	24.44	41.216	
5,700.00	5,669.84	5,566.43	5,461.41	12.43	15.26	91.10	440.27	837.98	1,029.13	1,004.24	24.89	41.350	
5,800.00	5,769.84	5,698.63	5,591.00	12.52	15.62	90.64	448.15	862.85	1,047.89	1,022.57	25.32	41.391	
5,900.00	5,869.84	5,832.53	5,723.10	12.61	15.93	90.27	454.75	883.67	1,063.42	1,037.70	25.72	41.348	
6,000.00	5,969.84	5,967.83	5,857.28	12.69	16.19	89.98	459.99	900.21	1,075.65	1,049.56	26.09	41.225	
6,100.00	6,069.84	6,104.20	5,993.05	12.78	16.41	89.78	463.81	912.29	1,084.52	1,058.09	26.43	41.026	
6,200.00	6,169.84	6,241.32	6,129.93	12.87	16.58	89.66	466.18	919.77	1,089.99	1,063.25	26.74	40.767	
6,300.00	6,269.84	6,378.81	6,267.39	12.96	16.70	89.61	467.06	922.56	1,092.02	1,065.06	26.96	40.510	
6,400.00	6,369.84	6,482.26	6,370.84	13.04	16.75	89.61	467.07	922.58	1,092.04	1,064.93	27.10	40.294	
6,500.00	6,469.84	6,582.26	6,470.84	13.13	16.81	89.61	467.07	922.58	1,092.04	1,064.79	27.25	40.077	
6,600.00	6,569.84	6,682.26	6,570.84	13.22	16.87	89.61	467.07	922.58	1,092.04	1,064.64	27.39	39.863	
6,700.00	6,669.84	6,782.26	6,670.84	13.30	16.93	89.61	467.07	922.58	1,092.04	1,064.49	27.54	39.650	
6,800.00	6,769.84	6,882.26	6,770.84	13.39	16.99	89.61	467.07	922.58	1,092.04	1,064.35	27.69	39.440	
6,900.00	6,869.84	6,982.26	6,870.84	13.48	17.04	89.61	467.07	922.58	1,092.04	1,064.20	27.84	39.231	
7,000.00	6,969.84	7,082.26	6,970.84	13.56	17.10	89.61	467.07	922.58	1,092.04	1,064.05	27.98	39.025	
7,100.00	7,069.84	7,182.26	7,070.84	13.65	17.16	89.61	467.07	922.58	1,092.04	1,063.90	28.13	38.821	
7,200.00	7,169.84	7,282.26	7,170.84	13.74	17.22	89.61	467.07	922.58	1,092.04	1,063.76	28.28	38.618	
7,300.00	7,269.84	7,382.26	7,270.84	13.82	17.28	89.61	467.07	922.58	1,092.04	1,063.61	28.43	38.418	
7,400.00	7,369.84	7,482.26	7,370.84	13.91	17.34	89.61	467.07	922.58	1,092.04	1,063.46	28.57	38.219	
7,500.00	7,469.84	7,582.26	7,470.84	14.00	17.40	89.61	467.07	922.58	1,092.04	1,063.31	28.72	38.022	
7,600.00	7,569.84	7,682.26	7,570.84	14.08	17.46	89.61	467.07	922.58	1,092.04	1,063.17	28.87	37.827	
7,700.00	7,669.84	7,782.26	7,670.84	14.17	17.52	89.61	467.07	922.58	1,092.04	1,063.02	29.02	37.634	
7,800.00	7,769.84	7,882.26	7,770.84	14.26	17.58	89.61	467.07	922.58	1,092.04	1,062.87	29.17	37.443	
7,900.00	7,869.84	7,982.26	7,870.84	14.34	17.64	89.61	467.07	922.58	1,092.04	1,062.72	29.31	37.254	
8,000.00	7,969.84	8,082.26	7,970.84	14.43	17.70	89.61	467.07	922.58	1,092.04	1,062.57	29.46	37.066	
8,100.00	8,069.84	8,182.26	8,070.84	14.51	17.76	89.61	467.07	922.58	1,092.04	1,062.42	29.61	36.880	
8,200.00	8,169.84	8,282.26	8,170.84	14.60	17.82	89.61	467.07	922.58	1,092.04	1,062.28	29.76	36.696	
8,300.00	8,269.84	8,382.26	8,270.84	14.69	17.88	89.61	467.07	922.58	1,092.04	1,062.13	29.91	36.513	
8,400.00	8,369.84	8,482.26	8,370.84	14.77	17.94	89.61	467.07	922.58	1,092.04	1,061.98	30.06	36.332	
8,500.00	8,469.84	8,582.26	8,470.84	14.86	18.00	89.61	467.07	922.58	1,092.04	1,061.83	30.21	36.153	
8,600.00	8,569.84	8,682.26	8,570.84	14.94	18.07	89.61	467.07	922.58	1,092.04	1,061.68	30.36	35.975	
8,700.00	8,669.84	8,782.26	8,670.84	15.03	18.13	89.61	467.07	922.58	1,092.04	1,061.53	30.50	35.799	
8,800.00	8,769.84	8,882.26	8,770.84	15.12	18.19	89.61	467.07	922.58	1,092.04	1,061.38	30.65	35.625	
8,900.00	8,869.84	8,982.26	8,870.84	15.20	18.25	89.61	467.07	922.58	1,092.04	1,061.23	30.80	35.452	
9,000.00	8,969.84	9,082.26	8,970.84	15.29	18.31	89.61	467.07	922.58	1,092.04	1,061.08	30.95	35.280	
9,100.00	9,069.84	9,182.26	9,070.84	15.37	18.38	89.61	467.07	922.58	1,092.04	1,060.93	31.10	35.111	
9,200.00	9,169.84	9,282.26	9,170.84	15.46	18.44	89.61	467.07	922.58	1,092.04	1,060.78	31.25	34.942	
9,300.00	9,269.84	9,382.26	9,270.84	15.54	18.50	89.61	467.07	922.58	1,092.04	1,060.63	31.40	34.776	
9,400.00	9,369.84	9,482.26	9,370.84	15.63	18.56	89.61	467.07	922.58	1,092.04	1,060.48	31.55	34.610	
9,500.00	9,469.84	9,582.26	9,470.84	15.71	18.63	89.61	467.07	922.58	1,092.04	1,060.33	31.70	34.446	
9,600.00	9,569.84	9,682.26	9,570.84	15.80	18.69	89.61	467.07	922.58	1,092.04	1,060.18	31.85	34.284	
9,700.00	9,669.84	9,782.26	9,670.84	15.89	18.75	89.61	467.07	922.58	1,092.04	1,060.03	32.00	34.123	
9,800.00	9,769.84	9,882.26	9,770.84	15.97	18.82	89.61	467.07	922.58	1,092.04	1,059.88	32.15	33.963	

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 135H
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 135H	**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
9,900.00	9,869.84	9,982.26	9,870.84	16.06	18.88	89.61	467.07	922.58	1,092.04	1,059.73	32.30	33.805	
10,000.00	9,969.84	10,082.26	9,970.84	16.14	18.94	89.61	467.07	922.58	1,092.04	1,059.58	32.45	33.648	
10,100.00	10,069.84	10,182.26	10,070.84	16.23	19.01	89.61	467.07	922.58	1,092.04	1,059.43	32.61	33.492	
10,200.00	10,169.84	10,282.26	10,170.84	16.31	19.07	89.61	467.07	922.58	1,092.04	1,059.28	32.76	33.338	
10,300.00	10,269.84	10,382.26	10,270.84	16.40	19.13	89.61	467.07	922.58	1,092.04	1,059.13	32.91	33.185	
10,400.00	10,369.84	10,482.26	10,370.84	16.48	19.20	89.61	467.07	922.58	1,092.04	1,058.98	33.06	33.034	
10,500.00	10,469.84	10,582.26	10,470.84	16.57	19.26	89.61	467.07	922.58	1,092.04	1,058.83	33.21	32.883	
10,600.00	10,569.84	10,682.26	10,570.84	16.65	19.33	89.61	467.07	922.58	1,092.04	1,058.67	33.36	32.734	
10,700.00	10,669.84	10,782.26	10,670.84	16.74	19.39	89.61	467.07	922.58	1,092.04	1,058.52	33.51	32.587	
10,800.00	10,769.84	10,882.26	10,770.84	16.82	19.46	89.61	467.07	922.58	1,092.04	1,058.37	33.66	32.440	
10,900.00	10,869.84	10,982.26	10,870.84	16.91	19.52	89.61	467.07	922.58	1,092.04	1,058.22	33.81	32.295	
11,000.00	10,969.84	11,082.26	10,970.84	16.99	19.59	89.61	467.07	922.58	1,092.04	1,058.07	33.97	32.151	
11,100.00	11,069.84	11,182.26	11,070.84	17.08	19.65	89.61	467.07	922.58	1,092.04	1,057.92	34.12	32.008	
11,200.00	11,169.84	11,282.26	11,170.84	17.16	19.72	89.61	467.07	922.58	1,092.04	1,057.77	34.27	31.866	
11,300.00	11,269.84	11,382.26	11,270.84	17.25	19.78	89.61	467.07	922.58	1,092.04	1,057.61	34.42	31.725	
11,400.00	11,369.84	11,482.26	11,370.84	17.33	19.85	89.61	467.07	922.58	1,092.04	1,057.46	34.57	31.586	
11,500.00	11,469.84	11,582.26	11,470.84	17.42	19.91	89.61	467.07	922.58	1,092.04	1,057.31	34.73	31.448	
11,581.16	11,551.00	11,663.42	11,552.00	17.48	19.97	89.61	467.07	922.58	1,092.04	1,057.20	34.84	31.344	
11,600.00	11,569.83	11,682.25	11,570.83	17.48	19.98	-89.91	467.07	922.58	1,092.03	1,057.18	34.85	31.333	
11,628.72	11,598.50	11,710.92	11,599.50	17.49	20.00	-90.00	467.07	922.58	1,092.03	1,057.18	34.85	31.333	
11,650.00	11,619.67	11,732.09	11,620.67	17.49	20.01	-90.11	467.07	922.58	1,092.04	1,057.18	34.85	31.334	
11,700.00	11,668.99	11,781.41	11,669.99	17.51	20.04	-90.53	467.07	922.58	1,092.08	1,057.26	34.83	31.358	
11,750.00	11,717.40	11,829.82	11,718.40	17.51	20.07	-91.14	467.07	922.58	1,092.27	1,057.49	34.78	31.408	
11,800.00	11,764.55	11,876.98	11,765.55	17.52	20.11	-91.91	467.07	922.58	1,092.74	1,058.03	34.71	31.484	
11,850.00	11,810.08	11,922.50	11,811.08	17.52	20.14	-92.80	467.07	922.58	1,093.68	1,059.06	34.62	31.591	
11,900.00	11,853.63	11,966.06	11,854.63	17.52	20.16	-93.76	467.07	922.58	1,095.30	1,060.78	34.52	31.729	
11,950.00	11,894.88	12,007.31	11,895.88	17.53	20.19	-94.72	467.07	922.58	1,097.83	1,063.42	34.41	31.905	
12,000.00	11,933.52	12,045.94	11,934.52	17.53	20.21	-95.62	467.07	922.58	1,101.54	1,067.25	34.29	32.124	
12,050.00	11,969.24	12,096.70	11,985.22	17.53	20.24	-96.90	465.04	922.60	1,106.44	1,072.29	34.15	32.395	
12,100.00	12,001.78	12,153.21	12,041.21	17.53	20.28	-98.26	457.51	922.66	1,112.29	1,078.25	34.04	32.679	
12,150.00	12,030.89	12,216.06	12,102.26	17.53	20.31	-99.69	442.72	922.79	1,118.96	1,084.99	33.97	32.944	
12,200.00	12,056.34	12,287.10	12,168.83	17.53	20.34	-101.24	418.07	923.00	1,126.26	1,092.28	33.98	33.144	
12,250.00	12,077.95	12,368.71	12,240.87	17.54	20.37	-102.92	379.86	923.33	1,133.91	1,099.78	34.13	33.222	
12,300.00	12,095.55	12,463.75	12,316.90	17.55	20.41	-104.71	323.02	923.82	1,141.48	1,107.01	34.47	33.120	
12,350.00	12,109.01	12,575.01	12,392.52	17.56	20.50	-106.53	241.65	924.52	1,148.39	1,113.38	35.02	32.795	
12,400.00	12,118.22	12,703.88	12,458.56	17.58	20.67	-108.14	131.31	925.47	1,153.91	1,118.18	35.73	32.293	
12,450.00	12,123.11	12,848.04	12,501.19	17.60	21.02	-109.19	-6.00	926.65	1,157.23	1,120.80	36.43	31.767	
12,476.17	12,123.94	12,927.19	12,509.56	17.61	21.28	-109.41	-84.64	927.33	1,157.88	1,121.18	36.70	31.551	
12,500.00	12,124.14	12,961.92	12,510.10	17.62	21.41	-109.42	-119.36	927.63	1,157.90	1,121.09	36.81	31.452	
12,600.00	12,125.02	13,061.92	12,510.97	17.69	21.83	-109.42	-219.36	928.49	1,157.90	1,120.56	37.34	31.009	
12,700.00	12,125.89	13,161.92	12,511.85	17.79	22.32	-109.42	-319.35	929.35	1,157.91	1,119.87	38.03	30.443	
12,800.00	12,126.76	13,261.92	12,512.72	17.95	22.87	-109.42	-419.34	930.21	1,157.91	1,119.01	38.89	29.772	
12,900.00	12,127.63	13,361.92	12,513.59	18.21	23.48	-109.42	-519.33	931.08	1,157.91	1,118.01	39.90	29.020	
13,000.00	12,128.50	13,461.92	12,514.47	18.61	24.15	-109.42	-619.33	931.94	1,157.91	1,116.86	41.05	28.207	
13,100.00	12,129.37	13,561.92	12,515.34	19.18	24.87	-109.42	-719.32	932.80	1,157.91	1,115.58	42.33	27.355	
13,200.00	12,130.24	13,661.92	12,516.21	19.87	25.63	-109.42	-819.31	933.66	1,157.91	1,114.18	43.73	26.481	
13,300.00	12,131.11	13,761.92	12,517.09	20.66	26.44	-109.42	-919.30	934.52	1,157.91	1,112.68	45.23	25.600	
13,400.00	12,131.99	13,861.92	12,517.96	21.53	27.29	-109.42	-1,019.30	935.38	1,157.91	1,111.08	46.83	24.725	
13,500.00	12,132.86	13,961.92	12,518.83	22.45	28.18	-109.42	-1,119.29	936.24	1,157.91	1,109.40	48.52	23.866	
13,600.00	12,133.73	14,061.92	12,519.71	23.43	29.11	-109.42	-1,219.28	937.10	1,157.91	1,107.63	50.28	23.028	
13,700.00	12,134.60	14,161.92	12,520.58	24.44	30.07	-109.42	-1,319.27	937.96	1,157.92	1,105.80	52.12	22.217	
13,800.00	12,135.47	14,261.92	12,521.45	25.50	31.05	-109.42	-1,419.27	938.83	1,157.92	1,103.90	54.02	21.436	

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 135H
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 135H	**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
13,900.00	12,136.34	14,361.92	12,522.33	26.58	32.07	-109.42	-1,519.26	939.69	1,157.92	1,101.94	55.97	20.687	
14,000.00	12,137.21	14,461.92	12,523.20	27.69	33.11	-109.42	-1,619.25	940.55	1,157.92	1,099.94	57.98	19.972	
14,100.00	12,138.08	14,561.92	12,524.08	28.82	34.17	-109.42	-1,719.24	941.41	1,157.92	1,097.89	60.03	19.289	
14,200.00	12,138.96	14,661.92	12,524.95	29.98	35.25	-109.42	-1,819.24	942.27	1,157.92	1,095.80	62.12	18.639	
14,300.00	12,139.83	14,761.92	12,525.82	31.15	36.35	-109.42	-1,919.23	943.13	1,157.92	1,093.67	64.25	18.021	
14,400.00	12,140.70	14,861.92	12,526.70	32.33	37.47	-109.42	-2,019.22	943.99	1,157.92	1,091.51	66.42	17.434	
14,500.00	12,141.57	14,961.92	12,527.57	33.54	38.61	-109.42	-2,119.21	944.85	1,157.92	1,089.31	68.61	16.877	
14,600.00	12,142.44	15,061.92	12,528.44	34.75	39.76	-109.42	-2,219.21	945.71	1,157.92	1,087.09	70.83	16.348	
14,700.00	12,143.31	15,161.92	12,529.32	35.98	40.92	-109.42	-2,319.20	946.58	1,157.92	1,084.85	73.08	15.845	
14,800.00	12,144.18	15,261.92	12,530.19	37.21	42.10	-109.42	-2,419.19	947.44	1,157.93	1,082.58	75.35	15.368	
14,900.00	12,145.05	15,361.92	12,531.06	38.46	43.28	-109.42	-2,519.18	948.30	1,157.93	1,080.29	77.64	14.915	
15,000.00	12,145.93	15,461.92	12,531.94	39.71	44.48	-109.42	-2,619.18	949.16	1,157.93	1,077.98	79.95	14.484	
15,100.00	12,146.80	15,561.92	12,532.81	40.97	45.69	-109.42	-2,719.17	950.02	1,157.93	1,075.66	82.27	14.075	
15,200.00	12,147.67	15,661.92	12,533.68	42.24	46.90	-109.42	-2,819.16	950.88	1,157.93	1,073.32	84.61	13.685	
15,300.00	12,148.54	15,761.92	12,534.56	43.51	48.13	-109.42	-2,919.15	951.74	1,157.93	1,070.96	86.97	13.314	
15,400.00	12,149.41	15,861.92	12,535.43	44.79	49.36	-109.42	-3,019.15	952.60	1,157.93	1,068.59	89.34	12.961	
15,500.00	12,150.28	15,961.92	12,536.31	46.08	50.60	-109.42	-3,119.14	953.47	1,157.93	1,066.21	91.72	12.624	
15,600.00	12,151.15	16,061.92	12,537.18	47.37	51.84	-109.42	-3,219.13	954.33	1,157.93	1,063.81	94.12	12.303	
15,700.00	12,152.02	16,161.92	12,538.05	48.66	53.09	-109.42	-3,319.12	955.19	1,157.93	1,061.41	96.52	11.996	
15,800.00	12,152.90	16,261.92	12,538.93	49.96	54.35	-109.42	-3,419.12	956.05	1,157.94	1,059.00	98.94	11.704	
15,900.00	12,153.77	16,361.92	12,539.80	51.26	55.61	-109.42	-3,519.11	956.91	1,157.94	1,056.57	101.36	11.424	
16,000.00	12,154.64	16,461.92	12,540.67	52.57	56.88	-109.42	-3,619.10	957.77	1,157.94	1,054.14	103.80	11.156	
16,100.00	12,155.51	16,561.92	12,541.55	53.88	58.15	-109.42	-3,719.09	958.63	1,157.94	1,051.70	106.24	10.900	
16,200.00	12,156.38	16,661.92	12,542.42	55.19	59.43	-109.42	-3,819.09	959.49	1,157.94	1,049.26	108.68	10.654	
16,300.00	12,157.25	16,761.92	12,543.29	56.50	60.71	-109.42	-3,919.08	960.35	1,157.94	1,046.80	111.14	10.419	
16,400.00	12,158.12	16,861.92	12,544.17	57.82	61.99	-109.42	-4,019.07	961.22	1,157.94	1,044.34	113.60	10.193	
16,500.00	12,158.99	16,961.92	12,545.04	59.14	63.28	-109.42	-4,119.06	962.08	1,157.94	1,041.87	116.07	9.976	
16,600.00	12,159.87	17,061.92	12,545.92	60.46	64.57	-109.42	-4,219.06	962.94	1,157.94	1,039.40	118.54	9.768	
16,700.00	12,160.74	17,161.92	12,546.79	61.79	65.86	-109.42	-4,319.05	963.80	1,157.94	1,036.92	121.02	9.568	
16,800.00	12,161.61	17,261.92	12,547.66	63.11	67.16	-109.42	-4,419.04	964.66	1,157.94	1,034.44	123.50	9.376	
16,900.00	12,162.48	17,361.92	12,548.54	64.44	68.46	-109.42	-4,519.03	965.52	1,157.95	1,031.95	125.99	9.191	
17,000.00	12,163.35	17,461.92	12,549.41	65.77	69.76	-109.42	-4,619.03	966.38	1,157.95	1,029.46	128.48	9.012	
17,100.00	12,164.22	17,561.92	12,550.28	67.10	71.07	-109.42	-4,719.02	967.24	1,157.95	1,026.97	130.98	8.841	
17,200.00	12,165.09	17,661.92	12,551.16	68.43	72.38	-109.42	-4,819.01	968.10	1,157.95	1,024.47	133.48	8.675	
17,300.00	12,165.96	17,761.92	12,552.03	69.77	73.69	-109.42	-4,919.00	968.97	1,157.95	1,021.96	135.99	8.515	
17,400.00	12,166.84	17,861.92	12,552.90	71.10	75.00	-109.42	-5,019.00	969.83	1,157.95	1,019.46	138.49	8.361	
17,500.00	12,167.71	17,961.92	12,553.78	72.44	76.31	-109.42	-5,118.99	970.69	1,157.95	1,016.95	141.01	8.212	
17,600.00	12,168.58	18,061.92	12,554.65	73.78	77.63	-109.42	-5,218.98	971.55	1,157.95	1,014.43	143.52	8.068	
17,700.00	12,169.45	18,161.92	12,555.52	75.12	78.95	-109.42	-5,318.97	972.41	1,157.95	1,011.91	146.04	7.929	
17,800.00	12,170.32	18,261.92	12,556.40	76.46	80.27	-109.42	-5,418.97	973.27	1,157.95	1,009.40	148.56	7.795	
17,900.00	12,171.19	18,361.92	12,557.27	77.80	81.59	-109.42	-5,518.96	974.13	1,157.96	1,006.87	151.08	7.664	
18,000.00	12,172.06	18,461.92	12,558.15	79.14	82.91	-109.42	-5,618.95	974.99	1,157.96	1,004.35	153.61	7.538	
18,100.00	12,172.93	18,561.92	12,559.02	80.48	84.24	-109.42	-5,718.94	975.86	1,157.96	1,001.82	156.14	7.416	
18,200.00	12,173.81	18,661.92	12,559.89	81.83	85.56	-109.42	-5,818.94	976.72	1,157.96	999.29	158.67	7.298	
18,300.00	12,174.68	18,761.92	12,560.77	83.17	86.89	-109.42	-5,918.93	977.58	1,157.96	996.76	161.20	7.183	
18,400.00	12,175.55	18,861.92	12,561.64	84.52	88.22	-109.43	-6,018.92	978.44	1,157.96	994.23	163.73	7.072	
18,500.00	12,176.42	18,961.92	12,562.51	85.86	89.55	-109.43	-6,118.91	979.30	1,157.96	991.69	166.27	6.964	
18,600.00	12,177.29	19,061.92	12,563.39	87.21	90.88	-109.43	-6,218.91	980.16	1,157.96	989.15	168.81	6.860	
18,700.00	12,178.16	19,161.92	12,564.26	88.56	92.21	-109.43	-6,318.90	981.02	1,157.96	986.61	171.35	6.758	
18,800.00	12,179.03	19,261.92	12,565.13	89.91	93.54	-109.43	-6,418.89	981.88	1,157.96	984.07	173.89	6.659	
18,900.00	12,179.90	19,361.92	12,566.01	91.26	94.88	-109.43	-6,518.88	982.74	1,157.96	981.53	176.44	6.563	
19,000.00	12,180.78	19,461.92	12,566.88	92.61	96.21	-109.43	-6,618.88	983.61	1,157.97	978.98	178.98	6.470	

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 135H
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 135H	**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
19,100.00	12,181.65	19,561.92	12,567.75	93.96	97.55	-109.43	-6,718.87	984.47	1,157.97	976.44	181.53	6.379	
19,200.00	12,182.52	19,661.92	12,568.63	95.31	98.89	-109.43	-6,818.86	985.33	1,157.97	973.89	184.08	6.291	
19,300.00	12,183.39	19,761.92	12,569.50	96.66	100.22	-109.43	-6,918.85	986.19	1,157.97	971.34	186.63	6.205	
19,400.00	12,184.26	19,861.92	12,570.38	98.01	101.56	-109.43	-7,018.85	987.05	1,157.97	968.79	189.18	6.121	
19,500.00	12,185.13	19,961.92	12,571.25	99.36	102.90	-109.43	-7,118.84	987.91	1,157.97	966.24	191.74	6.039	
19,600.00	12,186.00	20,061.92	12,572.12	100.72	104.24	-109.43	-7,218.83	988.77	1,157.97	963.68	194.29	5.960	
19,700.00	12,186.87	20,161.92	12,573.00	102.07	105.59	-109.43	-7,318.82	989.63	1,157.97	961.13	196.84	5.883	
19,800.00	12,187.75	20,261.92	12,573.87	103.42	106.93	-109.43	-7,418.81	990.49	1,157.97	958.57	199.40	5.807	
19,900.00	12,188.62	20,361.92	12,574.74	104.78	108.27	-109.43	-7,518.81	991.36	1,157.97	956.02	201.96	5.734	
20,000.00	12,189.49	20,461.92	12,575.62	106.13	109.61	-109.43	-7,618.80	992.22	1,157.98	953.46	204.52	5.662	
20,100.00	12,190.36	20,561.92	12,576.49	107.49	110.96	-109.43	-7,718.79	993.08	1,157.98	950.90	207.08	5.592	
20,200.00	12,191.23	20,661.92	12,577.36	108.84	112.30	-109.43	-7,818.78	993.94	1,157.98	948.34	209.64	5.524	
20,300.00	12,192.10	20,761.92	12,578.24	110.20	113.65	-109.43	-7,918.78	994.80	1,157.98	945.78	212.20	5.457	
20,400.00	12,192.97	20,861.92	12,579.11	111.55	114.99	-109.43	-8,018.77	995.66	1,157.98	943.22	214.76	5.392	
20,500.00	12,193.85	20,961.92	12,579.99	112.91	116.34	-109.43	-8,118.76	996.52	1,157.98	940.65	217.33	5.328	
20,600.00	12,194.72	21,061.92	12,580.86	114.27	117.69	-109.43	-8,218.75	997.38	1,157.98	938.09	219.89	5.266	
20,700.00	12,195.59	21,161.92	12,581.73	115.62	119.03	-109.43	-8,318.75	998.25	1,157.98	935.53	222.46	5.205	
20,800.00	12,196.46	21,261.92	12,582.61	116.98	120.38	-109.43	-8,418.74	999.11	1,157.98	932.96	225.02	5.146	
20,900.00	12,197.33	21,361.92	12,583.48	118.34	121.73	-109.43	-8,518.73	999.97	1,157.98	930.39	227.59	5.088	
21,000.00	12,198.20	21,461.92	12,584.35	119.70	123.08	-109.43	-8,618.72	1,000.83	1,157.99	927.83	230.16	5.031	
21,100.00	12,199.07	21,561.92	12,585.23	121.05	124.43	-109.43	-8,718.72	1,001.69	1,157.99	925.26	232.73	4.976	
21,200.00	12,199.94	21,661.92	12,586.10	122.41	125.78	-109.43	-8,818.71	1,002.55	1,157.99	922.69	235.29	4.921	
21,300.00	12,200.82	21,761.92	12,586.97	123.77	127.13	-109.43	-8,918.70	1,003.41	1,157.99	920.12	237.86	4.868	
21,400.00	12,201.69	21,861.92	12,587.85	125.13	128.48	-109.43	-9,018.69	1,004.27	1,157.99	917.55	240.43	4.816	
21,500.00	12,202.56	21,961.92	12,588.72	126.49	129.83	-109.43	-9,118.69	1,005.13	1,157.99	914.98	243.01	4.765	
21,600.00	12,203.43	22,061.92	12,589.59	127.85	131.18	-109.43	-9,218.68	1,006.00	1,157.99	912.41	245.58	4.715	
21,700.00	12,204.30	22,161.92	12,590.47	129.21	132.53	-109.43	-9,318.67	1,006.86	1,157.99	909.84	248.15	4.666	
21,800.00	12,205.17	22,261.92	12,591.34	130.57	133.88	-109.43	-9,418.66	1,007.72	1,157.99	907.27	250.72	4.619	
21,900.00	12,206.04	22,361.92	12,592.22	131.93	135.24	-109.43	-9,518.66	1,008.58	1,157.99	904.70	253.30	4.572	
22,000.00	12,206.91	22,461.92	12,593.09	133.29	136.59	-109.43	-9,618.65	1,009.44	1,157.99	902.12	255.87	4.526	
22,100.00	12,207.79	22,561.92	12,593.96	134.65	137.94	-109.43	-9,718.64	1,010.30	1,158.00	899.55	258.44	4.481	
22,200.00	12,208.66	22,661.92	12,594.84	136.01	139.30	-109.43	-9,818.63	1,011.16	1,158.00	896.98	261.02	4.436	
22,300.00	12,209.53	22,761.92	12,595.71	137.37	140.65	-109.43	-9,918.63	1,012.02	1,158.00	894.40	263.60	4.393	
22,400.00	12,210.40	22,861.92	12,596.58	138.73	142.00	-109.43	-10,018.62	1,012.88	1,158.00	891.83	266.17	4.351	
22,411.61	12,210.50	22,873.53	12,596.68	138.89	142.16	-109.43	-10,030.23	1,012.98	1,158.00	891.53	266.47	4.346	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 135H
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 135H	**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	-135.00	-25.00	-25.00	35.36				
100.00	100.00	101.00	101.00	0.98	0.99	-135.00	-25.00	-25.00	35.36	33.39	1.97	17.968	
200.00	200.00	201.00	201.00	1.56	1.57	-135.00	-25.00	-25.00	35.36	32.23	3.13	11.309	
300.00	300.00	301.00	301.00	1.98	1.98	-135.00	-25.00	-25.00	35.36	31.39	3.97	8.915	
400.00	400.00	401.00	401.00	2.33	2.33	-135.00	-25.00	-25.00	35.36	30.69	4.66	7.584	
500.00	500.00	501.00	501.00	2.63	2.64	-135.00	-25.00	-25.00	35.36	30.08	5.27	6.707	
600.00	600.00	601.00	601.00	2.91	2.91	-135.00	-25.00	-25.00	35.36	29.53	5.82	6.072	
700.00	700.00	701.00	701.00	3.16	3.17	-135.00	-25.00	-25.00	35.36	29.03	6.33	5.585	
800.00	800.00	801.06	801.05	3.40	3.46	-132.84	-23.98	-25.86	35.26	28.46	6.80	5.184	
812.15	812.15	813.21	813.19	3.43	3.49	-112.08	-23.71	-26.08	35.26	28.40	6.86	5.140	CC, ES
900.00	899.99	901.03	900.94	3.68	3.74	-108.20	-20.95	-28.40	35.68	28.43	7.25	4.921	
1,000.00	999.91	1,000.92	1,000.61	3.94	4.00	-103.80	-15.92	-32.62	37.19	29.52	7.67	4.848	SF
1,100.00	1,099.77	1,100.80	1,100.12	4.15	4.11	-98.78	-9.36	-38.12	39.48	31.50	7.98	4.946	
1,200.00	1,199.63	1,200.71	1,199.65	4.35	4.32	-94.16	-2.69	-43.72	42.08	33.70	8.38	5.020	
1,250.43	1,250.00	1,251.10	1,249.85	4.40	4.42	-92.05	0.67	-46.54	43.48	34.95	8.53	5.097	
1,300.00	1,299.48	1,300.63	1,299.19	4.45	4.52	-90.49	3.98	-49.32	44.92	36.24	8.68	5.178	
1,400.00	1,399.17	1,400.58	1,398.76	4.69	4.72	-89.97	10.65	-54.92	47.87	38.81	9.06	5.284	
1,500.00	1,498.62	1,500.51	1,498.31	4.93	4.92	-92.45	17.33	-60.52	50.86	41.43	9.43	5.393	
1,550.47	1,548.70	1,550.91	1,548.52	4.99	5.02	-94.68	20.69	-63.34	52.48	42.91	9.57	5.482	
1,600.00	1,597.81	1,600.36	1,597.78	5.05	5.12	-97.09	23.99	-66.11	54.18	44.47	9.71	5.577	
1,700.00	1,696.95	1,700.20	1,697.24	5.25	5.32	-101.52	30.66	-71.70	57.88	47.79	10.09	5.736	
1,800.00	1,796.09	1,800.04	1,796.70	5.44	5.51	-105.39	37.32	-77.30	61.89	51.42	10.47	5.911	
1,900.00	1,895.24	1,899.88	1,896.16	5.64	5.70	-108.78	43.99	-82.89	66.14	55.29	10.85	6.097	
2,000.00	1,994.38	1,999.71	1,995.61	5.83	5.89	-111.76	50.66	-88.48	70.60	59.37	11.23	6.288	
2,100.00	2,093.53	2,099.55	2,095.07	6.03	6.09	-114.37	57.32	-94.08	75.22	63.62	11.61	6.482	
2,200.00	2,192.67	2,199.39	2,194.53	6.22	6.28	-116.68	63.99	-99.67	79.99	68.00	11.99	6.671	
2,300.00	2,291.82	2,298.50	2,293.16	6.42	6.48	-117.98	71.01	-106.29	85.27	72.91	12.35	6.902	
2,400.00	2,390.96	2,397.48	2,391.42	6.61	6.69	-117.62	78.92	-115.29	91.49	78.77	12.72	7.194	
2,500.00	2,490.11	2,496.26	2,489.15	6.81	6.91	-115.92	87.71	-126.64	98.68	85.61	13.08	7.546	
2,600.00	2,589.25	2,594.71	2,586.16	7.00	7.12	-113.21	97.36	-140.31	107.04	93.61	13.44	7.966	
2,700.00	2,688.39	2,692.68	2,682.26	7.20	7.33	-109.80	107.82	-156.23	116.83	103.03	13.80	8.468	
2,800.00	2,787.54	2,791.75	2,779.16	7.39	7.53	-106.37	118.88	-173.61	127.71	113.54	14.18	9.010	
2,900.00	2,886.68	2,890.89	2,876.13	7.59	7.72	-103.47	129.94	-191.00	138.98	124.42	14.56	9.542	
3,000.00	2,985.83	2,990.02	2,973.10	7.78	7.92	-101.02	141.01	-208.39	150.55	135.59	14.96	10.063	
3,100.00	3,084.97	3,089.16	3,070.07	7.98	8.13	-98.91	152.07	-225.78	162.35	146.99	15.36	10.570	
3,200.00	3,184.12	3,188.30	3,167.04	8.17	8.33	-97.09	163.14	-243.17	174.34	158.58	15.76	11.061	
3,300.00	3,283.26	3,287.43	3,264.01	8.36	8.54	-95.51	174.20	-260.56	186.48	170.31	16.17	11.535	
3,400.00	3,382.40	3,386.57	3,360.98	8.56	8.75	-94.12	185.27	-277.95	198.74	182.17	16.57	11.992	
3,500.00	3,481.55	3,485.71	3,457.95	8.75	8.97	-92.89	196.33	-295.34	211.11	194.13	16.98	12.433	
3,600.00	3,580.69	3,584.85	3,554.92	8.95	9.19	-91.80	207.40	-312.73	223.56	206.17	17.39	12.856	
3,700.00	3,679.84	3,683.98	3,651.89	9.14	9.41	-90.83	218.46	-330.12	236.08	218.28	17.80	13.264	
3,800.00	3,778.98	3,783.12	3,748.87	9.33	9.64	-89.95	229.53	-347.51	248.66	230.45	18.21	13.656	
3,900.00	3,878.13	3,882.26	3,845.84	9.53	9.88	-89.16	240.60	-364.90	261.30	242.68	18.62	14.033	
4,000.00	3,977.27	3,981.39	3,942.81	9.72	10.12	-88.44	251.66	-382.29	273.98	254.95	19.03	14.397	
4,100.00	4,076.42	4,080.53	4,039.78	9.91	10.36	-87.78	262.73	-399.68	286.70	267.25	19.44	14.745	
4,200.00	4,175.56	4,179.67	4,136.75	10.11	10.61	-87.18	273.79	-417.07	299.45	279.59	19.86	15.080	
4,300.00	4,274.70	4,278.80	4,233.72	10.30	10.85	-86.63	284.86	-434.46	312.23	291.96	20.27	15.403	
4,400.00	4,373.85	4,377.94	4,330.69	10.49	11.11	-86.12	295.92	-451.85	325.04	304.35	20.68	15.715	
4,500.00	4,472.99	4,477.08	4,427.66	10.69	11.36	-85.65	306.99	-469.24	337.87	316.77	21.10	16.015	
4,600.00	4,572.14	4,576.21	4,524.63	10.88	11.62	-85.22	318.05	-486.63	350.72	329.21	21.51	16.304	
4,700.00	4,671.28	4,675.35	4,621.60	11.08	11.87	-84.81	329.12	-504.02	363.59	341.66	21.93	16.581	
4,702.13	4,673.39	4,677.46	4,623.66	11.08	11.88	-84.80	329.35	-504.39	363.87	341.93	21.94	16.587	

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 135H
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 135H	**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
4,800.00	4,770.58	4,774.43	4,718.51	11.28	12.13	-84.43	340.18	-521.40	376.60	354.27	22.33	16.865	
4,900.00	4,870.15	4,873.35	4,815.27	11.48	12.39	-83.72	351.22	-538.76	389.93	367.21	22.71	17.168	
5,000.00	4,969.93	4,972.04	4,911.80	11.67	12.65	-82.71	362.23	-556.07	403.68	380.60	23.07	17.496	
5,100.00	5,069.85	5,070.43	5,008.05	11.85	12.91	-81.43	373.22	-573.33	417.98	394.57	23.41	17.856	
5,200.00	5,169.84	5,168.46	5,103.93	11.99	13.17	-79.92	384.16	-590.52	433.00	409.28	23.72	18.251	
5,202.16	5,172.00	5,170.58	5,106.00	12.00	13.18	-100.12	384.39	-590.89	433.34	409.61	23.73	18.260	
5,300.00	5,269.84	5,266.28	5,199.61	12.08	13.43	-98.38	395.08	-607.68	448.67	424.65	24.02	18.676	
5,400.00	5,369.84	5,364.09	5,295.29	12.17	13.69	-96.72	405.99	-624.84	464.74	440.41	24.33	19.105	
5,500.00	5,469.84	5,467.63	5,396.65	12.26	13.96	-95.11	417.33	-642.65	480.87	456.22	24.65	19.511	
5,600.00	5,569.84	5,577.29	5,504.53	12.34	14.22	-93.71	427.88	-659.23	495.29	470.29	24.99	19.818	
5,700.00	5,669.84	5,688.02	5,613.99	12.43	14.46	-92.59	436.84	-673.31	507.59	482.27	25.32	20.046	
5,800.00	5,769.84	5,799.63	5,724.77	12.52	14.67	-91.72	444.14	-684.79	517.65	492.02	25.63	20.196	
5,900.00	5,869.84	5,911.95	5,836.60	12.61	14.85	-91.08	449.73	-693.58	525.36	499.45	25.92	20.272	
6,000.00	5,969.84	6,024.80	5,949.21	12.69	15.01	-90.66	453.57	-699.62	530.66	504.49	26.18	20.274	
6,100.00	6,069.84	6,137.96	6,062.31	12.78	15.13	-90.43	455.63	-702.85	533.50	507.10	26.40	20.206	
6,200.00	6,169.84	6,246.49	6,170.84	12.87	15.21	-90.39	456.00	-703.43	534.01	507.43	26.58	20.093	
6,300.00	6,269.84	6,346.49	6,270.84	12.96	15.28	-90.39	456.00	-703.43	534.01	507.28	26.73	19.979	
6,400.00	6,369.84	6,446.49	6,370.84	13.04	15.34	-90.39	456.00	-703.43	534.01	507.13	26.88	19.863	
6,500.00	6,469.84	6,546.49	6,470.84	13.13	15.41	-90.39	456.00	-703.43	534.01	506.97	27.04	19.749	
6,600.00	6,569.84	6,646.49	6,570.84	13.22	15.48	-90.39	456.00	-703.43	534.01	506.82	27.20	19.636	
6,700.00	6,669.84	6,746.49	6,670.84	13.30	15.55	-90.39	456.00	-703.43	534.01	506.66	27.35	19.524	
6,800.00	6,769.84	6,846.49	6,770.84	13.39	15.62	-90.39	456.00	-703.43	534.01	506.51	27.51	19.414	
6,900.00	6,869.84	6,946.49	6,870.84	13.48	15.69	-90.39	456.00	-703.43	534.01	506.35	27.66	19.304	
7,000.00	6,969.84	7,046.49	6,970.84	13.56	15.76	-90.39	456.00	-703.43	534.01	506.19	27.82	19.196	
7,100.00	7,069.84	7,146.49	7,070.84	13.65	15.84	-90.39	456.00	-703.43	534.01	506.04	27.97	19.089	
7,200.00	7,169.84	7,246.49	7,170.84	13.74	15.91	-90.39	456.00	-703.43	534.01	505.88	28.13	18.983	
7,300.00	7,269.84	7,346.49	7,270.84	13.82	15.98	-90.39	456.00	-703.43	534.01	505.73	28.29	18.878	
7,400.00	7,369.84	7,446.49	7,370.84	13.91	16.05	-90.39	456.00	-703.43	534.01	505.57	28.44	18.775	
7,500.00	7,469.84	7,546.49	7,470.84	14.00	16.12	-90.39	456.00	-703.43	534.01	505.41	28.60	18.672	
7,600.00	7,569.84	7,646.49	7,570.84	14.08	16.19	-90.39	456.00	-703.43	534.01	505.26	28.76	18.571	
7,700.00	7,669.84	7,746.49	7,670.84	14.17	16.26	-90.39	456.00	-703.43	534.01	505.10	28.91	18.471	
7,800.00	7,769.84	7,846.49	7,770.84	14.26	16.33	-90.39	456.00	-703.43	534.01	504.94	29.07	18.371	
7,900.00	7,869.84	7,946.49	7,870.84	14.34	16.40	-90.39	456.00	-703.43	534.01	504.79	29.22	18.273	
8,000.00	7,969.84	8,046.49	7,970.84	14.43	16.47	-90.39	456.00	-703.43	534.01	504.63	29.38	18.176	
8,100.00	8,069.84	8,146.49	8,070.84	14.51	16.55	-90.39	456.00	-703.43	534.01	504.48	29.54	18.079	
8,200.00	8,169.84	8,246.49	8,170.84	14.60	16.62	-90.39	456.00	-703.43	534.01	504.32	29.69	17.984	
8,300.00	8,269.84	8,346.49	8,270.84	14.69	16.69	-90.39	456.00	-703.43	534.01	504.16	29.85	17.890	
8,400.00	8,369.84	8,446.49	8,370.84	14.77	16.76	-90.39	456.00	-703.43	534.01	504.01	30.01	17.796	
8,500.00	8,469.84	8,546.49	8,470.84	14.86	16.83	-90.39	456.00	-703.43	534.01	503.85	30.16	17.704	
8,600.00	8,569.84	8,646.49	8,570.84	14.94	16.90	-90.39	456.00	-703.43	534.01	503.69	30.32	17.612	
8,700.00	8,669.84	8,746.49	8,670.84	15.03	16.98	-90.39	456.00	-703.43	534.01	503.54	30.48	17.522	
8,800.00	8,769.84	8,846.49	8,770.84	15.12	17.05	-90.39	456.00	-703.43	534.01	503.38	30.63	17.432	
8,900.00	8,869.84	8,946.49	8,870.84	15.20	17.12	-90.39	456.00	-703.43	534.01	503.22	30.79	17.343	
9,000.00	8,969.84	9,046.49	8,970.84	15.29	17.19	-90.39	456.00	-703.43	534.01	503.06	30.95	17.255	
9,100.00	9,069.84	9,146.49	9,070.84	15.37	17.27	-90.39	456.00	-703.43	534.01	502.91	31.10	17.168	
9,200.00	9,169.84	9,246.49	9,170.84	15.46	17.34	-90.39	456.00	-703.43	534.01	502.75	31.26	17.082	
9,300.00	9,269.84	9,346.49	9,270.84	15.54	17.41	-90.39	456.00	-703.43	534.01	502.59	31.42	16.997	
9,400.00	9,369.84	9,446.49	9,370.84	15.63	17.48	-90.39	456.00	-703.43	534.01	502.44	31.58	16.912	
9,500.00	9,469.84	9,546.49	9,470.84	15.71	17.56	-90.39	456.00	-703.43	534.01	502.28	31.73	16.828	
9,600.00	9,569.84	9,646.49	9,570.84	15.80	17.63	-90.39	456.00	-703.43	534.01	502.12	31.89	16.745	
9,700.00	9,669.84	9,746.49	9,670.84	15.89	17.70	-90.39	456.00	-703.43	534.01	501.96	32.05	16.663	
9,800.00	9,769.84	9,846.49	9,770.84	15.97	17.77	-90.39	456.00	-703.43	534.01	501.81	32.20	16.582	

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 135H
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 135H	**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	9,869.84	9,946.49	9,870.84	16.06	17.85	-90.39	456.00	-703.43	534.01	501.65	32.36	16.501	
10,000.00	9,969.84	10,046.49	9,970.84	16.14	17.92	-90.39	456.00	-703.43	534.01	501.49	32.52	16.421	
10,100.00	10,069.84	10,146.49	10,070.84	16.23	17.99	-90.39	456.00	-703.43	534.01	501.34	32.68	16.342	
10,200.00	10,169.84	10,246.49	10,170.84	16.31	18.07	-90.39	456.00	-703.43	534.01	501.18	32.83	16.264	
10,300.00	10,269.84	10,346.49	10,270.84	16.40	18.14	-90.39	456.00	-703.43	534.01	501.02	32.99	16.186	
10,400.00	10,369.84	10,446.49	10,370.84	16.48	18.21	-90.39	456.00	-703.43	534.01	500.86	33.15	16.109	
10,500.00	10,469.84	10,546.49	10,470.84	16.57	18.29	-90.39	456.00	-703.43	534.01	500.71	33.31	16.033	
10,600.00	10,569.84	10,646.49	10,570.84	16.65	18.36	-90.39	456.00	-703.43	534.01	500.55	33.46	15.957	
10,700.00	10,669.84	10,746.49	10,670.84	16.74	18.43	-90.39	456.00	-703.43	534.01	500.39	33.62	15.883	
10,800.00	10,769.84	10,846.49	10,770.84	16.82	18.51	-90.39	456.00	-703.43	534.01	500.23	33.78	15.808	
10,900.00	10,869.84	10,946.49	10,870.84	16.91	18.58	-90.39	456.00	-703.43	534.01	500.07	33.94	15.735	
11,000.00	10,969.84	11,046.49	10,970.84	16.99	18.66	-90.39	456.00	-703.43	534.01	499.92	34.10	15.662	
11,100.00	11,069.84	11,146.49	11,070.84	17.08	18.73	-90.39	456.00	-703.43	534.01	499.76	34.25	15.590	
11,200.00	11,169.84	11,246.49	11,170.84	17.16	18.80	-90.39	456.00	-703.43	534.01	499.60	34.41	15.518	
11,300.00	11,269.84	11,346.49	11,270.84	17.25	18.88	-90.39	456.00	-703.43	534.01	499.44	34.57	15.447	
11,400.00	11,369.84	11,446.49	11,370.84	17.33	18.95	-90.39	456.00	-703.43	534.01	499.28	34.73	15.377	
11,500.00	11,469.84	11,546.49	11,470.84	17.42	19.03	-90.39	456.00	-703.43	534.01	499.13	34.89	15.308	
11,581.16	11,551.00	11,627.66	11,552.00	17.48	19.09	-90.39	456.00	-703.43	534.01	499.01	35.00	15.255	
11,600.00	11,569.83	11,646.49	11,570.83	17.48	19.10	90.14	456.00	-703.43	534.01	499.00	35.02	15.250	
11,650.00	11,619.67	11,696.33	11,620.67	17.49	19.14	90.54	456.00	-703.43	534.04	499.01	35.02	15.249	
11,700.00	11,668.99	11,745.64	11,669.99	17.51	19.17	91.39	456.00	-703.43	534.18	499.17	35.00	15.261	
11,750.00	11,717.40	11,794.06	11,718.40	17.51	19.21	92.63	456.00	-703.43	534.63	499.66	34.96	15.290	
11,800.00	11,764.55	11,841.21	11,765.55	17.52	19.24	94.20	456.00	-703.43	535.68	500.77	34.91	15.344	
11,850.00	11,810.08	11,886.74	11,811.08	17.52	19.28	96.00	456.00	-703.43	537.70	502.85	34.85	15.430	
11,900.00	11,853.63	11,930.29	11,854.63	17.52	19.31	97.91	456.00	-703.43	541.12	506.33	34.79	15.555	
11,950.00	11,894.88	11,971.54	11,895.88	17.53	19.34	99.83	456.00	-703.43	546.39	511.65	34.73	15.730	
12,000.00	11,933.52	12,010.17	11,934.52	17.53	19.37	101.61	456.00	-703.43	553.97	519.26	34.70	15.963	
12,050.00	11,969.24	12,045.90	11,970.24	17.53	19.40	103.13	456.00	-703.43	564.27	529.57	34.70	16.260	
12,100.00	12,001.78	12,078.44	12,002.78	17.53	19.42	104.28	456.00	-703.43	577.65	542.91	34.74	16.628	
12,150.00	12,030.89	12,107.54	12,031.89	17.53	19.44	104.94	456.00	-703.43	594.33	559.51	34.82	17.071	
12,200.00	12,056.34	12,133.00	12,057.34	17.53	19.46	105.01	456.00	-703.43	614.43	579.50	34.93	17.590	
12,250.00	12,077.95	12,154.61	12,078.95	17.54	19.48	104.39	456.00	-703.43	637.93	602.85	35.08	18.185	
12,300.00	12,095.55	12,172.21	12,096.55	17.55	19.49	102.98	456.00	-703.43	664.67	629.42	35.25	18.853	
12,350.00	12,109.01	12,185.67	12,110.01	17.56	19.50	100.68	456.00	-703.43	694.41	658.97	35.45	19.591	
12,400.00	12,118.22	12,194.88	12,119.22	17.58	19.51	97.43	456.00	-703.43	726.80	691.16	35.64	20.391	
12,450.00	12,123.11	12,199.77	12,124.11	17.60	19.51	93.16	456.00	-703.43	761.42	725.58	35.84	21.244	
12,476.17	12,123.94	12,200.59	12,124.94	17.61	19.51	90.53	456.00	-703.43	780.28	744.34	35.94	21.708	
12,500.00	12,124.14	12,200.80	12,125.14	17.62	19.51	90.55	456.00	-703.43	797.82	761.79	36.03	22.141	
12,600.00	12,125.02	12,201.67	12,126.02	17.69	19.51	90.65	456.00	-703.43	874.68	838.28	36.40	24.031	
12,700.00	12,125.89	13,453.78	12,856.70	17.79	21.08	140.24	-310.04	-770.10	949.82	901.59	48.23	19.693	
12,800.00	12,126.76	13,574.69	12,857.76	17.95	21.54	140.17	-430.94	-770.76	950.68	902.13	48.55	19.581	
12,900.00	12,127.63	13,674.69	12,858.64	18.21	21.97	140.17	-530.93	-769.90	950.68	901.77	48.91	19.437	
13,000.00	12,128.50	13,774.69	12,859.51	18.61	22.46	140.17	-630.92	-769.03	950.69	901.35	49.34	19.268	
13,100.00	12,129.37	13,874.69	12,860.39	19.18	23.00	140.17	-730.92	-768.17	950.69	900.85	49.84	19.075	
13,200.00	12,130.24	13,974.69	12,861.27	19.87	23.61	140.17	-830.91	-767.31	950.70	900.30	50.40	18.862	
13,300.00	12,131.11	14,074.69	12,862.15	20.66	24.27	140.17	-930.90	-766.45	950.70	899.68	51.03	18.631	
13,400.00	12,131.99	14,174.69	12,863.03	21.53	24.99	140.17	-1,030.89	-765.59	950.71	898.99	51.72	18.383	
13,500.00	12,132.86	14,274.69	12,863.90	22.45	25.76	140.17	-1,130.89	-764.73	950.72	898.25	52.47	18.121	
13,600.00	12,133.73	14,374.69	12,864.78	23.43	26.58	140.17	-1,230.88	-763.87	950.72	897.45	53.27	17.847	
13,700.00	12,134.60	14,474.69	12,865.66	24.44	27.45	140.17	-1,330.87	-763.01	950.73	896.60	54.13	17.565	
13,800.00	12,135.47	14,574.69	12,866.54	25.50	28.35	140.17	-1,430.86	-762.15	950.73	895.70	55.04	17.275	
13,900.00	12,136.34	14,674.69	12,867.41	26.58	29.30	140.17	-1,530.86	-761.29	950.74	894.74	55.99	16.979	

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 135H
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 135H	**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	12,137.21	14,774.69	12,868.29	27.69	30.27	140.17	-1,630.85	-760.43	950.74	893.74	57.00	16.680	
14,100.00	12,138.08	14,874.69	12,869.17	28.82	31.28	140.17	-1,730.84	-759.57	950.75	892.70	58.05	16.378	
14,200.00	12,138.96	14,974.69	12,870.05	29.98	32.31	140.17	-1,830.83	-758.71	950.75	891.61	59.14	16.077	
14,300.00	12,139.83	15,074.69	12,870.93	31.15	33.37	140.17	-1,930.83	-757.85	950.76	890.49	60.27	15.775	
14,400.00	12,140.70	15,174.69	12,871.80	32.33	34.46	140.17	-2,030.82	-756.99	950.76	889.33	61.44	15.476	
14,500.00	12,141.57	15,274.69	12,872.68	33.54	35.56	140.17	-2,130.81	-756.13	950.77	888.13	62.64	15.179	
14,600.00	12,142.44	15,374.69	12,873.56	34.75	36.68	140.17	-2,230.80	-755.27	950.78	886.90	63.87	14.885	
14,700.00	12,143.31	15,474.69	12,874.44	35.98	37.82	140.17	-2,330.80	-754.41	950.78	885.64	65.14	14.596	
14,800.00	12,144.18	15,574.69	12,875.32	37.21	38.98	140.17	-2,430.79	-753.55	950.79	884.35	66.44	14.311	
14,900.00	12,145.05	15,674.69	12,876.19	38.46	40.15	140.17	-2,530.78	-752.69	950.79	883.03	67.76	14.031	
15,000.00	12,145.93	15,774.69	12,877.07	39.71	41.33	140.17	-2,630.77	-751.83	950.80	881.69	69.11	13.757	
15,100.00	12,146.80	15,874.69	12,877.95	40.97	42.52	140.17	-2,730.77	-750.97	950.80	880.32	70.49	13.489	
15,200.00	12,147.67	15,974.69	12,878.83	42.24	43.73	140.17	-2,830.76	-750.11	950.81	878.92	71.89	13.227	
15,300.00	12,148.54	16,074.69	12,879.71	43.51	44.94	140.17	-2,930.75	-749.25	950.81	877.51	73.31	12.970	
15,400.00	12,149.41	16,174.69	12,880.58	44.79	46.17	140.17	-3,030.74	-748.39	950.82	876.07	74.75	12.721	
15,500.00	12,150.28	16,274.69	12,881.46	46.08	47.40	140.17	-3,130.74	-747.53	950.83	874.62	76.21	12.477	
15,600.00	12,151.15	16,374.69	12,882.34	47.37	48.64	140.17	-3,230.73	-746.67	950.83	873.14	77.69	12.239	
15,700.00	12,152.02	16,474.69	12,883.22	48.66	49.88	140.17	-3,330.72	-745.81	950.84	871.65	79.18	12.008	
15,800.00	12,152.90	16,574.69	12,884.09	49.96	51.14	140.17	-3,430.71	-744.94	950.84	870.15	80.70	11.783	
15,900.00	12,153.77	16,674.69	12,884.97	51.26	52.40	140.17	-3,530.71	-744.08	950.85	868.62	82.22	11.564	
16,000.00	12,154.64	16,774.69	12,885.85	52.57	53.66	140.17	-3,630.70	-743.22	950.85	867.08	83.77	11.351	
16,100.00	12,155.51	16,874.69	12,886.73	53.88	54.93	140.17	-3,730.69	-742.36	950.86	865.53	85.33	11.144	
16,200.00	12,156.38	16,974.69	12,887.61	55.19	56.20	140.17	-3,830.68	-741.50	950.86	863.97	86.90	10.943	
16,300.00	12,157.25	17,074.69	12,888.48	56.50	57.48	140.17	-3,930.68	-740.64	950.87	862.39	88.48	10.747	
16,400.00	12,158.12	17,174.69	12,889.36	57.82	58.77	140.17	-4,030.67	-739.78	950.87	860.80	90.07	10.557	
16,500.00	12,158.99	17,274.69	12,890.24	59.14	60.05	140.17	-4,130.66	-738.92	950.88	859.20	91.68	10.372	
16,600.00	12,159.87	17,374.69	12,891.12	60.46	61.35	140.17	-4,230.65	-738.06	950.89	857.59	93.29	10.192	
16,700.00	12,160.74	17,474.69	12,892.00	61.79	62.64	140.17	-4,330.65	-737.20	950.89	855.97	94.92	10.018	
16,800.00	12,161.61	17,574.69	12,892.87	63.11	63.94	140.18	-4,430.64	-736.34	950.90	854.34	96.56	9.848	
16,900.00	12,162.48	17,674.69	12,893.75	64.44	65.24	140.18	-4,530.63	-735.48	950.90	852.70	98.20	9.683	
17,000.00	12,163.35	17,774.69	12,894.63	65.77	66.54	140.18	-4,630.62	-734.62	950.91	851.05	99.86	9.523	
17,100.00	12,164.22	17,874.69	12,895.51	67.10	67.85	140.18	-4,730.62	-733.76	950.91	849.40	101.52	9.367	
17,200.00	12,165.09	17,974.69	12,896.39	68.43	69.16	140.18	-4,830.61	-732.90	950.92	847.73	103.19	9.216	
17,300.00	12,165.96	18,074.69	12,897.26	69.77	70.47	140.18	-4,930.60	-732.04	950.92	846.06	104.86	9.068	
17,400.00	12,166.84	18,174.69	12,898.14	71.10	71.78	140.18	-5,030.59	-731.18	950.93	844.38	106.55	8.925	
17,500.00	12,167.71	18,274.69	12,899.02	72.44	73.10	140.18	-5,130.58	-730.32	950.93	842.70	108.24	8.786	
17,600.00	12,168.58	18,374.69	12,899.90	73.78	74.41	140.18	-5,230.58	-729.46	950.94	841.00	109.94	8.650	
17,700.00	12,169.45	18,474.69	12,900.77	75.12	75.73	140.18	-5,330.57	-728.60	950.95	839.31	111.64	8.518	
17,800.00	12,170.32	18,574.69	12,901.65	76.46	77.05	140.18	-5,430.56	-727.74	950.95	837.60	113.35	8.390	
17,900.00	12,171.19	18,674.69	12,902.53	77.80	78.38	140.18	-5,530.55	-726.88	950.96	835.89	115.06	8.265	
18,000.00	12,172.06	18,774.69	12,903.41	79.14	79.70	140.18	-5,630.55	-726.02	950.96	834.18	116.78	8.143	
18,100.00	12,172.93	18,874.69	12,904.29	80.48	81.03	140.18	-5,730.54	-725.16	950.97	832.46	118.51	8.024	
18,200.00	12,173.81	18,974.69	12,905.16	81.83	82.35	140.18	-5,830.53	-724.30	950.97	830.73	120.24	7.909	
18,300.00	12,174.68	19,074.69	12,906.04	83.17	83.68	140.18	-5,930.52	-723.44	950.98	829.00	121.97	7.797	
18,400.00	12,175.55	19,174.69	12,906.92	84.52	85.01	140.18	-6,030.52	-722.58	950.98	827.27	123.71	7.687	
18,500.00	12,176.42	19,274.69	12,907.80	85.86	86.34	140.18	-6,130.51	-721.72	950.99	825.53	125.46	7.580	
18,600.00	12,177.29	19,374.69	12,908.68	87.21	87.68	140.18	-6,230.50	-720.86	950.99	823.79	127.21	7.476	
18,700.00	12,178.16	19,474.69	12,909.55	88.56	89.01	140.18	-6,330.49	-719.99	951.00	822.04	128.96	7.375	
18,800.00	12,179.03	19,574.69	12,910.43	89.91	90.35	140.18	-6,430.49	-719.13	951.01	820.29	130.71	7.276	
18,900.00	12,179.90	19,674.69	12,911.31	91.26	91.68	140.18	-6,530.48	-718.27	951.01	818.54	132.47	7.179	
19,000.00	12,180.78	19,774.69	12,912.19	92.61	93.02	140.18	-6,630.47	-717.41	951.02	816.78	134.24	7.085	
19,100.00	12,181.65	19,874.69	12,913.06	93.96	94.36	140.18	-6,730.46	-716.55	951.02	815.02	136.00	6.993	

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 135H
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 135H	**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	12,182.52	19,974.69	12,913.94	95.31	95.70	140.18	-6,830.46	-715.69	951.03	813.26	137.77	6.903	
19,300.00	12,183.39	20,074.69	12,914.82	96.66	97.04	140.18	-6,930.45	-714.83	951.03	811.49	139.54	6.815	
19,400.00	12,184.26	20,174.69	12,915.70	98.01	98.38	140.18	-7,030.44	-713.97	951.04	809.72	141.32	6.730	
19,500.00	12,185.13	20,274.69	12,916.58	99.36	99.72	140.18	-7,130.43	-713.11	951.04	807.95	143.10	6.646	
19,600.00	12,186.00	20,374.69	12,917.45	100.72	101.06	140.18	-7,230.43	-712.25	951.05	806.17	144.88	6.564	
19,700.00	12,186.87	20,474.69	12,918.33	102.07	102.40	140.18	-7,330.42	-711.39	951.05	804.39	146.66	6.485	
19,800.00	12,187.75	20,574.69	12,919.21	103.42	103.75	140.18	-7,430.41	-710.53	951.06	802.61	148.45	6.407	
19,900.00	12,188.62	20,674.69	12,920.09	104.78	105.09	140.18	-7,530.40	-709.67	951.07	800.83	150.24	6.330	
20,000.00	12,189.49	20,774.69	12,920.97	106.13	106.43	140.18	-7,630.40	-708.81	951.07	799.04	152.03	6.256	
20,100.00	12,190.36	20,874.69	12,921.84	107.49	107.78	140.18	-7,730.39	-707.95	951.08	797.25	153.82	6.183	
20,200.00	12,191.23	20,974.69	12,922.72	108.84	109.13	140.18	-7,830.38	-707.09	951.08	795.46	155.62	6.112	
20,300.00	12,192.10	21,074.69	12,923.60	110.20	110.47	140.18	-7,930.37	-706.23	951.09	793.67	157.42	6.042	
20,400.00	12,192.97	21,174.69	12,924.48	111.55	111.82	140.18	-8,030.37	-705.37	951.09	791.88	159.22	5.974	
20,500.00	12,193.85	21,274.69	12,925.36	112.91	113.17	140.18	-8,130.36	-704.51	951.10	790.08	161.02	5.907	
20,600.00	12,194.72	21,374.69	12,926.23	114.27	114.52	140.18	-8,230.35	-703.65	951.10	788.28	162.82	5.841	
20,700.00	12,195.59	21,474.69	12,927.11	115.62	115.87	140.18	-8,330.34	-702.79	951.11	786.48	164.63	5.777	
20,800.00	12,196.46	21,574.69	12,927.99	116.98	117.22	140.18	-8,430.34	-701.93	951.12	784.68	166.44	5.715	
20,900.00	12,197.33	21,674.69	12,928.87	118.34	118.57	140.18	-8,530.33	-701.07	951.12	782.87	168.25	5.653	
21,000.00	12,198.20	21,774.69	12,929.74	119.70	119.92	140.18	-8,630.32	-700.21	951.13	781.07	170.06	5.593	
21,100.00	12,199.07	21,874.69	12,930.62	121.05	121.27	140.18	-8,730.31	-699.35	951.13	779.26	171.87	5.534	
21,200.00	12,199.94	21,974.69	12,931.50	122.41	122.62	140.19	-8,830.31	-698.49	951.14	777.45	173.69	5.476	
21,300.00	12,200.82	22,074.69	12,932.38	123.77	123.97	140.19	-8,930.30	-697.63	951.14	775.64	175.50	5.420	
21,400.00	12,201.69	22,174.69	12,933.26	125.13	125.32	140.19	-9,030.29	-696.77	951.15	773.83	177.32	5.364	
21,500.00	12,202.56	22,274.69	12,934.13	126.49	126.67	140.19	-9,130.28	-695.90	951.15	772.01	179.14	5.310	
21,600.00	12,203.43	22,374.69	12,935.01	127.85	128.03	140.19	-9,230.28	-695.04	951.16	770.20	180.96	5.256	
21,700.00	12,204.30	22,474.69	12,935.89	129.21	129.38	140.19	-9,330.27	-694.18	951.16	768.38	182.78	5.204	
21,800.00	12,205.17	22,574.69	12,936.77	130.57	130.73	140.19	-9,430.26	-693.32	951.17	766.56	184.61	5.152	
21,900.00	12,206.04	22,674.69	12,937.65	131.93	132.09	140.19	-9,530.25	-692.46	951.18	764.75	186.43	5.102	
22,000.00	12,206.91	22,774.69	12,938.52	133.29	133.44	140.19	-9,630.24	-691.60	951.18	762.92	188.26	5.053	
22,100.00	12,207.79	22,874.69	12,939.40	134.65	134.80	140.19	-9,730.24	-690.74	951.19	761.10	190.08	5.004	
22,200.00	12,208.66	22,974.69	12,940.28	136.01	136.15	140.19	-9,830.23	-689.88	951.19	759.28	191.91	4.956	
22,300.00	12,209.53	23,074.69	12,941.16	137.37	137.51	140.19	-9,930.22	-689.02	951.20	757.46	193.74	4.910	
22,400.00	12,210.40	23,174.69	12,942.04	138.73	138.77	140.19	-10,030.21	-688.16	951.20	755.74	195.46	4.866	
22,411.61	12,210.50	23,186.30	12,942.14	138.89	138.91	140.19	-10,041.83	-688.06	951.20	755.55	195.66	4.862	

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 135H
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 135H	**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	-8.88	160.00	-25.00	161.94				
100.00	100.00	100.00	100.00	0.98	0.98	-8.88	160.00	-25.00	161.94	159.98	1.96	82.531	
200.00	200.00	200.00	200.00	1.56	1.56	-8.88	160.00	-25.00	161.94	158.82	3.12	51.867	
300.00	300.00	300.00	300.00	1.98	1.98	-8.88	160.00	-25.00	161.94	157.98	3.96	40.870	
400.00	400.00	400.00	400.00	2.33	2.33	-8.88	160.00	-25.00	161.94	157.28	4.66	34.760	
500.00	500.00	500.00	500.00	2.63	2.63	-8.88	160.00	-25.00	161.94	156.67	5.27	30.735	
600.00	600.00	600.00	600.00	2.91	2.91	-8.88	160.00	-25.00	161.94	156.12	5.82	27.824	
700.00	700.00	700.00	700.00	3.16	3.16	-8.88	160.00	-25.00	161.94	155.61	6.33	25.593	
800.00	800.00	800.00	800.00	3.40	3.40	-8.88	160.00	-25.00	161.94	155.14	6.80	23.811	
900.00	899.99	899.99	899.99	3.68	3.62	11.45	160.00	-25.00	160.66	153.36	7.30	22.006	
1,000.00	999.91	999.91	999.91	3.94	3.84	11.74	160.00	-25.00	156.81	149.04	7.77	20.171	
1,100.00	1,099.77	1,099.77	1,099.77	4.15	4.04	12.14	160.00	-25.00	151.69	143.51	8.18	18.543	
1,200.00	1,199.63	1,199.63	1,199.63	4.35	4.23	12.57	160.00	-25.00	146.58	138.00	8.57	17.095	
1,250.43	1,250.00	1,250.00	1,250.00	4.40	4.33	12.80	160.00	-25.00	144.00	135.28	8.72	16.516	
1,300.00	1,299.48	1,299.48	1,299.48	4.45	4.42	13.08	160.00	-25.00	141.16	132.30	8.86	15.924	
1,400.00	1,399.17	1,399.17	1,399.17	4.69	4.60	13.87	160.00	-25.00	133.54	124.26	9.28	14.383	
1,500.00	1,498.62	1,498.62	1,498.62	4.93	4.77	15.07	160.00	-25.00	123.43	113.73	9.69	12.732	
1,550.47	1,548.70	1,548.63	1,548.63	4.99	4.88	16.04	160.04	-24.69	117.41	107.57	9.83	11.939	
1,600.00	1,597.81	1,597.61	1,597.60	5.05	4.97	17.44	160.15	-23.76	111.27	101.30	9.97	11.164	
1,700.00	1,696.95	1,696.28	1,696.20	5.25	5.16	21.88	160.61	-20.00	99.37	89.07	10.30	9.645	
1,800.00	1,796.09	1,794.53	1,794.24	5.44	5.35	29.02	161.38	-13.73	88.89	78.26	10.63	8.363	
1,900.00	1,895.24	1,892.80	1,892.15	5.64	5.43	39.16	162.40	-5.43	81.04	70.16	10.88	7.452	
2,000.00	1,994.38	1,991.30	1,990.28	5.83	5.58	51.10	163.45	3.09	76.39	65.22	11.18	6.834	
2,073.34	2,067.10	2,063.55	2,062.25	5.98	5.69	60.48	164.22	9.34	75.34	63.94	11.40	6.608	CC, ES
2,100.00	2,093.53	2,089.81	2,088.41	6.03	5.73	63.91	164.50	11.61	75.48	64.00	11.48	6.573	
2,200.00	2,192.67	2,188.32	2,186.54	6.22	5.89	76.39	165.54	20.14	78.44	66.63	11.80	6.645	
2,300.00	2,291.82	2,285.06	2,282.84	6.42	6.05	87.14	167.16	29.19	85.73	73.60	12.13	7.067	
2,400.00	2,390.96	2,381.29	2,378.41	6.61	6.23	95.31	170.33	40.01	97.85	85.38	12.47	7.845	
2,500.00	2,490.11	2,477.17	2,473.34	6.81	6.41	100.96	175.06	52.61	113.67	100.85	12.82	8.868	
2,600.00	2,589.25	2,572.57	2,567.45	7.00	6.59	104.59	181.30	66.92	132.32	119.16	13.16	10.055	
2,700.00	2,688.39	2,667.38	2,660.57	7.20	6.78	106.76	189.04	82.91	153.28	139.78	13.50	11.352	
2,800.00	2,787.54	2,763.59	2,754.72	7.39	6.95	108.03	198.12	100.55	175.91	162.06	13.85	12.700	
2,900.00	2,886.68	2,860.90	2,849.91	7.59	7.11	108.99	207.41	118.52	198.72	184.51	14.21	13.988	
3,000.00	2,985.83	2,958.22	2,945.10	7.78	7.28	109.75	216.70	136.49	221.58	207.01	14.57	15.212	
3,100.00	3,084.97	3,055.53	3,040.29	7.98	7.45	110.37	226.00	154.45	244.46	229.53	14.93	16.376	
3,200.00	3,184.12	3,152.85	3,135.48	8.17	7.62	110.88	235.29	172.42	267.37	252.08	15.29	17.484	
3,300.00	3,283.26	3,250.16	3,230.66	8.36	7.79	111.32	244.58	190.39	290.30	274.64	15.66	18.538	
3,400.00	3,382.40	3,347.48	3,325.85	8.56	7.97	111.69	253.87	208.35	313.23	297.21	16.03	19.542	
3,500.00	3,481.55	3,444.79	3,421.04	8.75	8.16	112.01	263.16	226.32	336.18	319.78	16.40	20.499	
3,600.00	3,580.69	3,542.11	3,516.23	8.95	8.39	112.28	272.45	244.29	359.14	342.37	16.77	21.411	
3,700.00	3,679.84	3,639.42	3,611.42	9.14	8.61	112.53	281.75	262.25	382.11	364.96	17.15	22.281	
3,800.00	3,778.98	3,736.74	3,706.61	9.33	8.84	112.75	291.04	280.22	405.08	387.55	17.53	23.112	
3,900.00	3,878.13	3,834.05	3,801.80	9.53	9.07	112.94	300.33	298.19	428.06	410.15	17.91	23.906	
4,000.00	3,977.27	3,931.37	3,896.99	9.72	9.30	113.11	309.62	316.15	451.04	432.75	18.29	24.665	
4,100.00	4,076.42	4,028.68	3,992.18	9.91	9.54	113.27	318.91	334.12	474.02	455.35	18.67	25.391	
4,200.00	4,175.56	4,126.00	4,087.37	10.11	9.77	113.41	328.21	352.09	497.01	477.96	19.05	26.087	
4,300.00	4,274.70	4,223.31	4,182.56	10.30	10.01	113.54	337.50	370.05	520.00	500.56	19.44	26.753	
4,400.00	4,373.85	4,320.63	4,277.75	10.49	10.25	113.66	346.79	388.02	542.99	523.17	19.82	27.391	
4,500.00	4,472.99	4,417.94	4,372.94	10.69	10.50	113.77	356.08	405.99	565.98	545.77	20.21	28.004	
4,600.00	4,572.14	4,515.26	4,468.13	10.88	10.74	113.87	365.37	423.95	588.98	568.38	20.60	28.592	
4,700.00	4,671.28	4,612.57	4,563.32	11.08	10.99	113.97	374.66	441.92	611.98	590.99	20.99	29.154	
4,702.13	4,673.39	4,614.65	4,565.35	11.08	10.99	113.97	374.86	442.30	612.47	591.47	21.00	29.166	

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 135H
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 135H	**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
4,800.00	4,770.58	4,710.01	4,658.63	11.28	11.23	114.26	383.97	459.91	634.48	613.10	21.37	29.685	
4,900.00	4,870.15	4,807.64	4,754.13	11.48	11.48	114.32	393.29	477.93	655.93	634.19	21.74	30.171	
5,000.00	4,969.93	4,905.41	4,849.76	11.67	11.73	114.19	402.63	495.98	676.36	654.27	22.09	30.620	
5,100.00	5,069.85	5,003.25	4,945.46	11.85	11.99	113.86	411.97	514.05	695.79	673.37	22.42	31.039	
5,200.00	5,169.84	5,101.09	5,041.17	11.99	12.24	113.36	421.31	532.11	714.27	691.55	22.72	31.440	
5,202.16	5,172.00	5,103.20	5,043.24	12.00	12.24	93.11	421.51	532.50	714.66	691.94	22.72	31.450	
5,300.00	5,269.84	5,207.29	5,145.12	12.08	12.48	92.25	431.30	551.43	732.12	709.12	23.00	31.825	
5,400.00	5,369.84	5,325.78	5,261.67	12.17	12.76	91.44	441.09	570.35	747.88	724.50	23.38	31.988	
5,500.00	5,469.84	5,445.52	5,380.06	12.26	13.01	90.79	449.28	586.20	761.01	737.28	23.74	32.060	
5,600.00	5,569.84	5,566.27	5,499.97	12.34	13.23	90.28	455.82	598.84	771.45	747.37	24.07	32.045	
5,700.00	5,669.84	5,687.81	5,621.05	12.43	13.41	89.93	460.64	608.15	779.11	754.72	24.39	31.947	
5,800.00	5,769.84	5,809.90	5,742.95	12.52	13.57	89.70	463.69	614.06	783.96	759.28	24.68	31.771	
5,900.00	5,869.84	5,932.29	5,865.31	12.61	13.68	89.61	464.95	616.50	785.96	761.06	24.90	31.558	
6,000.00	5,969.84	6,036.81	5,969.84	12.69	13.73	89.61	464.99	616.57	786.02	760.97	25.05	31.381	
6,100.00	6,069.84	6,136.81	6,069.84	12.78	13.81	89.61	464.99	616.57	786.02	760.81	25.21	31.182	
6,200.00	6,169.84	6,236.81	6,169.84	12.87	13.88	89.61	464.99	616.57	786.02	760.65	25.37	30.985	
6,300.00	6,269.84	6,336.81	6,269.84	12.96	13.95	89.61	464.99	616.57	786.02	760.49	25.53	30.791	
6,400.00	6,369.84	6,436.81	6,369.84	13.04	14.02	89.61	464.99	616.57	786.02	760.33	25.69	30.600	
6,500.00	6,469.84	6,536.81	6,469.84	13.13	14.10	89.61	464.99	616.57	786.02	760.17	25.85	30.410	
6,600.00	6,569.84	6,636.81	6,569.84	13.22	14.17	89.61	464.99	616.57	786.02	760.01	26.01	30.223	
6,700.00	6,669.84	6,736.81	6,669.84	13.30	14.24	89.61	464.99	616.57	786.02	759.85	26.17	30.039	
6,800.00	6,769.84	6,836.81	6,769.84	13.39	14.32	89.61	464.99	616.57	786.02	759.69	26.33	29.856	
6,900.00	6,869.84	6,936.81	6,869.84	13.48	14.39	89.61	464.99	616.57	786.02	759.53	26.49	29.676	
7,000.00	6,969.84	7,036.81	6,969.84	13.56	14.47	89.61	464.99	616.57	786.02	759.37	26.65	29.498	
7,100.00	7,069.84	7,136.81	7,069.84	13.65	14.54	89.61	464.99	616.57	786.02	759.21	26.81	29.322	
7,200.00	7,169.84	7,236.81	7,169.84	13.74	14.61	89.61	464.99	616.57	786.02	759.05	26.97	29.147	
7,300.00	7,269.84	7,336.81	7,269.84	13.82	14.69	89.61	464.99	616.57	786.02	758.89	27.13	28.975	
7,400.00	7,369.84	7,436.81	7,369.84	13.91	14.76	89.61	464.99	616.57	786.02	758.73	27.29	28.805	
7,500.00	7,469.84	7,536.81	7,469.84	14.00	14.84	89.61	464.99	616.57	786.02	758.57	27.45	28.637	
7,600.00	7,569.84	7,636.81	7,569.84	14.08	14.91	89.61	464.99	616.57	786.02	758.41	27.61	28.471	
7,700.00	7,669.84	7,736.81	7,669.84	14.17	14.98	89.61	464.99	616.57	786.02	758.25	27.77	28.307	
7,800.00	7,769.84	7,836.81	7,769.84	14.26	15.06	89.61	464.99	616.57	786.02	758.09	27.93	28.145	
7,900.00	7,869.84	7,936.81	7,869.84	14.34	15.13	89.61	464.99	616.57	786.02	757.93	28.09	27.984	
8,000.00	7,969.84	8,036.81	7,969.84	14.43	15.21	89.61	464.99	616.57	786.02	757.77	28.25	27.825	
8,100.00	8,069.84	8,136.81	8,069.84	14.51	15.28	89.61	464.99	616.57	786.02	757.61	28.41	27.668	
8,200.00	8,169.84	8,236.81	8,169.84	14.60	15.36	89.61	464.99	616.57	786.02	757.45	28.57	27.513	
8,300.00	8,269.84	8,336.81	8,269.84	14.69	15.43	89.61	464.99	616.57	786.02	757.29	28.73	27.360	
8,400.00	8,369.84	8,436.81	8,369.84	14.77	15.51	89.61	464.99	616.57	786.02	757.13	28.89	27.208	
8,500.00	8,469.84	8,536.81	8,469.84	14.86	15.58	89.61	464.99	616.57	786.02	756.97	29.05	27.058	
8,600.00	8,569.84	8,636.81	8,569.84	14.94	15.66	89.61	464.99	616.57	786.02	756.81	29.21	26.909	
8,700.00	8,669.84	8,736.81	8,669.84	15.03	15.73	89.61	464.99	616.57	786.02	756.65	29.37	26.762	
8,800.00	8,769.84	8,836.81	8,769.84	15.12	15.81	89.61	464.99	616.57	786.02	756.49	29.53	26.617	
8,900.00	8,869.84	8,936.81	8,869.84	15.20	15.88	89.61	464.99	616.57	786.02	756.33	29.69	26.473	
9,000.00	8,969.84	9,036.81	8,969.84	15.29	15.96	89.61	464.99	616.57	786.02	756.17	29.85	26.330	
9,100.00	9,069.84	9,136.81	9,069.84	15.37	16.03	89.61	464.99	616.57	786.02	756.01	30.01	26.190	
9,200.00	9,169.84	9,236.81	9,169.84	15.46	16.11	89.61	464.99	616.57	786.02	755.85	30.17	26.050	
9,300.00	9,269.84	9,336.81	9,269.84	15.54	16.19	89.61	464.99	616.57	786.02	755.68	30.33	25.912	
9,400.00	9,369.84	9,436.81	9,369.84	15.63	16.26	89.61	464.99	616.57	786.02	755.52	30.49	25.776	
9,500.00	9,469.84	9,536.81	9,469.84	15.71	16.34	89.61	464.99	616.57	786.02	755.36	30.65	25.641	
9,600.00	9,569.84	9,636.81	9,569.84	15.80	16.41	89.61	464.99	616.57	786.02	755.20	30.82	25.507	
9,700.00	9,669.84	9,736.81	9,669.84	15.89	16.49	89.61	464.99	616.57	786.02	755.04	30.98	25.375	
9,800.00	9,769.84	9,836.81	9,769.84	15.97	16.56	89.61	464.99	616.57	786.02	754.88	31.14	25.244	

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 135H
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 135H	**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
9,900.00	9,869.84	9,936.81	9,869.84	16.06	16.64	89.61	464.99	616.57	786.02	754.72	31.30	25.115	
10,000.00	9,969.84	10,036.81	9,969.84	16.14	16.72	89.61	464.99	616.57	786.02	754.56	31.46	24.986	
10,100.00	10,069.84	10,136.81	10,069.84	16.23	16.79	89.61	464.99	616.57	786.02	754.40	31.62	24.859	
10,200.00	10,169.84	10,236.81	10,169.84	16.31	16.87	89.61	464.99	616.57	786.02	754.24	31.78	24.734	
10,300.00	10,269.84	10,336.81	10,269.84	16.40	16.94	89.61	464.99	616.57	786.02	754.08	31.94	24.609	
10,400.00	10,369.84	10,436.81	10,369.84	16.48	17.02	89.61	464.99	616.57	786.02	753.92	32.10	24.486	
10,500.00	10,469.84	10,536.81	10,469.84	16.57	17.10	89.61	464.99	616.57	786.02	753.76	32.26	24.364	
10,600.00	10,569.84	10,636.81	10,569.84	16.65	17.17	89.61	464.99	616.57	786.02	753.60	32.42	24.243	
10,700.00	10,669.84	10,736.81	10,669.84	16.74	17.25	89.61	464.99	616.57	786.02	753.43	32.58	24.123	
10,800.00	10,769.84	10,836.81	10,769.84	16.82	17.33	89.61	464.99	616.57	786.02	753.27	32.74	24.005	
10,900.00	10,869.84	10,936.81	10,869.84	16.91	17.40	89.61	464.99	616.57	786.02	753.11	32.91	23.887	
11,000.00	10,969.84	11,036.81	10,969.84	16.99	17.48	89.61	464.99	616.57	786.02	752.95	33.07	23.771	
11,100.00	11,069.84	11,136.81	11,069.84	17.08	17.56	89.61	464.99	616.57	786.02	752.79	33.23	23.656	
11,200.00	11,169.84	11,236.81	11,169.84	17.16	17.63	89.61	464.99	616.57	786.02	752.63	33.39	23.542	
11,300.00	11,269.84	11,336.81	11,269.84	17.25	17.71	89.61	464.99	616.57	786.02	752.47	33.55	23.429	
11,400.00	11,369.84	11,436.81	11,369.84	17.33	17.79	89.61	464.99	616.57	786.02	752.31	33.71	23.317	
11,500.00	11,469.84	11,536.81	11,469.84	17.42	17.86	89.61	464.99	616.57	786.02	752.15	33.87	23.206	
11,581.16	11,551.00	11,617.98	11,551.00	17.48	17.92	89.61	464.99	616.57	786.02	752.03	33.99	23.123	
11,600.00	11,569.83	11,636.81	11,569.83	17.48	17.94	-89.92	464.99	616.57	786.02	752.01	34.01	23.114	
11,621.47	11,591.27	11,658.25	11,591.27	17.48	17.96	-90.00	464.99	616.57	786.02	752.01	34.01	23.112	
11,650.00	11,619.67	11,686.65	11,619.67	17.49	17.98	-90.20	464.99	616.57	786.02	752.01	34.01	23.111	
11,700.00	11,668.99	11,735.96	11,668.99	17.51	18.02	-90.77	464.99	616.57	786.09	752.10	33.99	23.127	
11,750.00	11,717.40	11,784.38	11,717.40	17.51	18.05	-91.62	464.99	616.57	786.36	752.41	33.95	23.164	
11,800.00	11,764.55	11,831.53	11,764.55	17.52	18.09	-92.69	464.99	616.57	787.03	753.14	33.89	23.226	
11,850.00	11,810.08	11,877.06	11,810.08	17.52	18.12	-93.93	464.99	616.57	788.34	754.54	33.81	23.320	
11,900.00	11,853.63	11,920.61	11,853.63	17.52	18.16	-95.25	464.99	616.57	790.60	756.89	33.71	23.450	
11,950.00	11,894.88	11,961.86	11,894.88	17.53	18.19	-96.57	464.99	616.57	794.13	760.52	33.62	23.623	
12,000.00	11,933.52	12,000.50	11,933.52	17.53	18.22	-97.82	464.99	616.57	799.27	765.75	33.52	23.845	
12,050.00	11,969.24	12,036.22	11,969.24	17.53	18.25	-98.89	464.99	616.57	806.35	772.92	33.43	24.121	
12,100.00	12,001.78	12,068.76	12,001.78	17.53	18.27	-99.71	464.99	616.57	815.65	782.30	33.35	24.455	
12,150.00	12,030.89	12,097.87	12,030.89	17.53	18.29	-100.19	464.99	616.57	827.44	794.14	33.30	24.849	
12,200.00	12,056.34	12,123.32	12,056.34	17.53	18.31	-100.25	464.99	616.57	841.87	808.60	33.27	25.306	
12,250.00	12,077.95	12,144.93	12,077.95	17.54	18.33	-99.82	464.99	616.57	859.04	825.78	33.26	25.825	
12,300.00	12,095.55	12,162.53	12,095.55	17.55	18.34	-98.85	464.99	616.57	878.96	845.67	33.29	26.405	
12,350.00	12,109.01	12,175.99	12,109.01	17.56	18.35	-97.26	464.99	616.57	901.53	868.20	33.34	27.043	
12,400.00	12,118.22	12,185.20	12,118.22	17.58	18.36	-95.04	464.99	616.57	926.58	893.17	33.41	27.734	
12,450.00	12,123.11	12,190.09	12,123.11	17.60	18.36	-92.14	464.99	616.57	953.86	920.36	33.50	28.474	
12,476.17	12,123.94	12,190.91	12,123.94	17.61	18.37	-90.36	464.99	616.57	968.92	935.37	33.55	28.879	
12,500.00	12,124.14	12,191.12	12,124.14	17.62	18.37	-90.37	464.99	616.57	983.04	949.44	33.60	29.257	
12,600.00	12,125.02	13,400.00	12,859.27	17.69	19.70	-135.76	-252.98	551.54	1,025.09	978.53	46.57	22.013	
12,700.00	12,125.89	13,482.57	12,859.99	17.79	20.06	-135.88	-335.52	549.22	1,022.56	975.64	46.92	21.795	
12,800.00	12,126.76	13,566.68	12,860.72	17.95	20.47	-135.91	-419.62	549.22	1,021.93	974.65	47.28	21.613	
12,900.00	12,127.63	13,666.68	12,861.59	18.21	21.04	-135.91	-519.61	550.09	1,021.93	974.14	47.79	21.384	
13,000.00	12,128.50	13,766.68	12,862.46	18.61	21.67	-135.91	-619.60	550.95	1,021.93	973.55	48.38	21.125	
13,100.00	12,129.37	13,866.68	12,863.32	19.18	22.37	-135.91	-719.60	551.81	1,021.92	972.89	49.04	20.839	
13,200.00	12,130.24	13,966.68	12,864.19	19.87	23.13	-135.91	-819.59	552.67	1,021.92	972.15	49.77	20.532	
13,300.00	12,131.11	14,066.68	12,865.06	20.66	23.95	-135.91	-919.58	553.53	1,021.92	971.34	50.58	20.205	
13,400.00	12,131.99	14,166.68	12,865.93	21.53	24.81	-135.91	-1,019.57	554.39	1,021.92	970.47	51.45	19.863	
13,500.00	12,132.86	14,266.68	12,866.80	22.45	25.72	-135.91	-1,119.57	555.25	1,021.91	969.53	52.38	19.509	
13,600.00	12,133.73	14,366.68	12,867.66	23.43	26.67	-135.91	-1,219.56	556.11	1,021.91	968.54	53.37	19.146	
13,700.00	12,134.60	14,466.68	12,868.53	24.44	27.65	-135.91	-1,319.55	556.97	1,021.91	967.49	54.42	18.777	
13,800.00	12,135.47	14,566.68	12,869.40	25.50	28.67	-135.91	-1,419.54	557.83	1,021.91	966.38	55.53	18.404	

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 135H
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 135H	**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
13,900.00	12,136.34	14,666.68	12,870.27	26.58	29.72	-135.91	-1,519.54	558.69	1,021.90	965.23	56.68	18.030	
14,000.00	12,137.21	14,766.68	12,871.14	27.69	30.79	-135.91	-1,619.53	559.55	1,021.90	964.02	57.88	17.656	
14,100.00	12,138.08	14,866.68	12,872.01	28.82	31.89	-135.91	-1,719.52	560.41	1,021.90	962.78	59.12	17.284	
14,200.00	12,138.96	14,966.68	12,872.87	29.98	33.00	-135.91	-1,819.51	561.27	1,021.90	961.49	60.41	16.917	
14,300.00	12,139.83	15,066.68	12,873.74	31.15	34.14	-135.91	-1,919.51	562.14	1,021.89	960.16	61.73	16.554	
14,400.00	12,140.70	15,166.68	12,874.61	32.33	35.29	-135.91	-2,019.50	563.00	1,021.89	958.80	63.09	16.196	
14,500.00	12,141.57	15,266.68	12,875.48	33.54	36.46	-135.91	-2,119.49	563.86	1,021.89	957.40	64.49	15.846	
14,600.00	12,142.44	15,366.68	12,876.35	34.75	37.64	-135.91	-2,219.48	564.72	1,021.89	955.97	65.92	15.503	
14,700.00	12,143.31	15,466.68	12,877.21	35.98	38.84	-135.91	-2,319.48	565.58	1,021.88	954.51	67.37	15.168	
14,800.00	12,144.18	15,566.68	12,878.08	37.21	40.04	-135.91	-2,419.47	566.44	1,021.88	953.02	68.86	14.841	
14,900.00	12,145.05	15,666.68	12,878.95	38.46	41.26	-135.91	-2,519.46	567.30	1,021.88	951.51	70.37	14.522	
15,000.00	12,145.93	15,766.68	12,879.82	39.71	42.49	-135.91	-2,619.45	568.16	1,021.88	949.97	71.90	14.212	
15,100.00	12,146.80	15,866.68	12,880.69	40.97	43.72	-135.91	-2,719.45	569.02	1,021.87	948.41	73.46	13.910	
15,200.00	12,147.67	15,966.68	12,881.55	42.24	44.96	-135.91	-2,819.44	569.88	1,021.87	946.83	75.04	13.617	
15,300.00	12,148.54	16,066.68	12,882.42	43.51	46.21	-135.91	-2,919.43	570.74	1,021.87	945.22	76.65	13.332	
15,400.00	12,149.41	16,166.68	12,883.29	44.79	47.47	-135.91	-3,019.42	571.60	1,021.87	943.60	78.27	13.056	
15,500.00	12,150.28	16,266.68	12,884.16	46.08	48.73	-135.91	-3,119.42	572.46	1,021.86	941.96	79.90	12.789	
15,600.00	12,151.15	16,366.68	12,885.03	47.37	50.00	-135.91	-3,219.41	573.32	1,021.86	940.30	81.56	12.529	
15,700.00	12,152.02	16,466.68	12,885.89	48.66	51.28	-135.91	-3,319.40	574.19	1,021.86	938.63	83.23	12.278	
15,800.00	12,152.90	16,566.68	12,886.76	49.96	52.55	-135.91	-3,419.39	575.05	1,021.86	936.94	84.91	12.034	
15,900.00	12,153.77	16,666.68	12,887.63	51.26	53.84	-135.91	-3,519.39	575.91	1,021.85	935.24	86.61	11.798	
16,000.00	12,154.64	16,766.68	12,888.50	52.57	55.13	-135.91	-3,619.38	576.77	1,021.85	933.53	88.33	11.569	
16,100.00	12,155.51	16,866.68	12,889.37	53.88	56.42	-135.91	-3,719.37	577.63	1,021.85	931.80	90.05	11.348	
16,200.00	12,156.38	16,966.68	12,890.23	55.19	57.71	-135.91	-3,819.36	578.49	1,021.85	930.06	91.79	11.133	
16,300.00	12,157.25	17,066.68	12,891.10	56.50	59.01	-135.91	-3,919.36	579.35	1,021.84	928.31	93.54	10.925	
16,400.00	12,158.12	17,166.68	12,891.97	57.82	60.31	-135.91	-4,019.35	580.21	1,021.84	926.55	95.29	10.723	
16,500.00	12,158.99	17,266.68	12,892.84	59.14	61.62	-135.90	-4,119.34	581.07	1,021.84	924.78	97.06	10.528	
16,600.00	12,159.87	17,366.68	12,893.71	60.46	62.92	-135.90	-4,219.33	581.93	1,021.84	923.00	98.84	10.338	
16,700.00	12,160.74	17,466.68	12,894.57	61.79	64.23	-135.90	-4,319.33	582.79	1,021.83	921.21	100.63	10.155	
16,800.00	12,161.61	17,566.68	12,895.44	63.11	65.55	-135.90	-4,419.32	583.65	1,021.83	919.41	102.42	9.977	
16,900.00	12,162.48	17,666.68	12,896.31	64.44	66.86	-135.90	-4,519.31	584.51	1,021.83	917.60	104.22	9.804	
17,000.00	12,163.35	17,766.68	12,897.18	65.77	68.18	-135.90	-4,619.30	585.37	1,021.83	915.79	106.04	9.637	
17,100.00	12,164.22	17,866.68	12,898.05	67.10	69.50	-135.90	-4,719.30	586.24	1,021.82	913.97	107.85	9.474	
17,200.00	12,165.09	17,966.68	12,898.91	68.43	70.82	-135.90	-4,819.29	587.10	1,021.82	912.14	109.68	9.317	
17,300.00	12,165.96	18,066.68	12,899.78	69.77	72.14	-135.90	-4,919.28	587.96	1,021.82	910.31	111.51	9.164	
17,400.00	12,166.84	18,166.68	12,900.65	71.10	73.47	-135.90	-5,019.27	588.82	1,021.82	908.47	113.35	9.015	
17,500.00	12,167.71	18,266.68	12,901.52	72.44	74.79	-135.90	-5,119.27	589.68	1,021.81	906.62	115.19	8.871	
17,600.00	12,168.58	18,366.68	12,902.39	73.78	76.12	-135.90	-5,219.26	590.54	1,021.81	904.77	117.04	8.730	
17,700.00	12,169.45	18,466.68	12,903.25	75.12	77.45	-135.90	-5,319.25	591.40	1,021.81	902.92	118.89	8.594	
17,800.00	12,170.32	18,566.68	12,904.12	76.46	78.78	-135.90	-5,419.24	592.26	1,021.81	901.05	120.75	8.462	
17,900.00	12,171.19	18,666.68	12,904.99	77.80	80.11	-135.90	-5,519.24	593.12	1,021.80	899.19	122.62	8.333	
18,000.00	12,172.06	18,766.68	12,905.86	79.14	81.45	-135.90	-5,619.23	593.98	1,021.80	897.32	124.49	8.208	
18,100.00	12,172.93	18,866.68	12,906.73	80.48	82.78	-135.90	-5,719.22	594.84	1,021.80	895.44	126.36	8.086	
18,200.00	12,173.81	18,966.68	12,907.59	81.83	84.12	-135.90	-5,819.21	595.70	1,021.80	893.56	128.24	7.968	
18,300.00	12,174.68	19,066.68	12,908.46	83.17	85.45	-135.90	-5,919.21	596.56	1,021.79	891.68	130.12	7.853	
18,400.00	12,175.55	19,166.68	12,909.33	84.52	86.79	-135.90	-6,019.20	597.42	1,021.79	889.79	132.01	7.741	
18,500.00	12,176.42	19,266.68	12,910.20	85.86	88.13	-135.90	-6,119.19	598.29	1,021.79	887.89	133.90	7.631	
18,600.00	12,177.29	19,366.68	12,911.07	87.21	89.47	-135.90	-6,219.18	599.15	1,021.79	886.00	135.79	7.525	
18,700.00	12,178.16	19,466.68	12,911.93	88.56	90.81	-135.90	-6,319.18	600.01	1,021.78	884.10	137.68	7.421	
18,800.00	12,179.03	19,566.68	12,912.80	89.91	92.15	-135.90	-6,419.17	600.87	1,021.78	882.20	139.58	7.320	
18,900.00	12,179.90	19,666.68	12,913.67	91.26	93.50	-135.90	-6,519.16	601.73	1,021.78	880.29	141.49	7.222	
19,000.00	12,180.78	19,766.68	12,914.54	92.61	94.84	-135.90	-6,619.15	602.59	1,021.78	878.38	143.39	7.126	

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 135H
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 135H	**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
19,100.00	12,181.65	19,866.68	12,915.41	93.96	96.18	-135.90	-6,719.15	603.45	1,021.78	876.47	145.30	7.032	
19,200.00	12,182.52	19,966.68	12,916.27	95.31	97.53	-135.90	-6,819.14	604.31	1,021.77	874.56	147.21	6.941	
19,300.00	12,183.39	20,066.68	12,917.14	96.66	98.87	-135.90	-6,919.13	605.17	1,021.77	872.64	149.13	6.852	
19,400.00	12,184.26	20,166.68	12,918.01	98.01	100.22	-135.90	-7,019.12	606.03	1,021.77	870.72	151.05	6.765	
19,500.00	12,185.13	20,266.68	12,918.88	99.36	101.57	-135.90	-7,119.12	606.89	1,021.77	868.80	152.97	6.680	
19,600.00	12,186.00	20,366.68	12,919.75	100.72	102.91	-135.90	-7,219.11	607.75	1,021.76	866.88	154.89	6.597	
19,700.00	12,186.87	20,466.68	12,920.61	102.07	104.26	-135.90	-7,319.10	608.61	1,021.76	864.95	156.81	6.516	
19,800.00	12,187.75	20,566.68	12,921.48	103.42	105.61	-135.90	-7,419.09	609.47	1,021.76	863.02	158.74	6.437	
19,900.00	12,188.62	20,666.68	12,922.35	104.78	106.96	-135.90	-7,519.09	610.34	1,021.76	861.09	160.67	6.359	
20,000.00	12,189.49	20,766.68	12,923.22	106.13	108.31	-135.90	-7,619.08	611.20	1,021.75	859.15	162.60	6.284	
20,100.00	12,190.36	20,866.68	12,924.09	107.49	109.66	-135.90	-7,719.07	612.06	1,021.75	857.22	164.53	6.210	
20,200.00	12,191.23	20,966.68	12,924.96	108.84	111.01	-135.90	-7,819.06	612.92	1,021.75	855.28	166.47	6.138	
20,300.00	12,192.10	21,066.68	12,925.82	110.20	112.36	-135.90	-7,919.06	613.78	1,021.75	853.34	168.40	6.067	
20,400.00	12,192.97	21,166.68	12,926.69	111.55	113.71	-135.90	-8,019.05	614.64	1,021.74	851.40	170.34	5.998	
20,500.00	12,193.85	21,266.68	12,927.56	112.91	115.06	-135.90	-8,119.04	615.50	1,021.74	849.46	172.28	5.931	
20,600.00	12,194.72	21,366.68	12,928.43	114.27	116.41	-135.90	-8,219.03	616.36	1,021.74	847.52	174.22	5.865	
20,700.00	12,195.59	21,466.68	12,929.30	115.62	117.77	-135.90	-8,319.03	617.22	1,021.74	845.57	176.17	5.800	
20,800.00	12,196.46	21,566.68	12,930.16	116.98	119.12	-135.90	-8,419.02	618.08	1,021.73	843.62	178.11	5.737	
20,900.00	12,197.33	21,666.68	12,931.03	118.34	120.47	-135.90	-8,519.01	618.94	1,021.73	841.67	180.06	5.674	
21,000.00	12,198.20	21,766.68	12,931.90	119.70	121.83	-135.90	-8,619.00	619.80	1,021.73	839.72	182.01	5.614	
21,100.00	12,199.07	21,866.68	12,932.77	121.05	123.18	-135.90	-8,719.00	620.66	1,021.73	837.77	183.95	5.554	
21,200.00	12,199.94	21,966.68	12,933.64	122.41	124.54	-135.90	-8,818.99	621.52	1,021.72	835.82	185.91	5.496	
21,300.00	12,200.82	22,066.68	12,934.50	123.77	125.89	-135.90	-8,918.98	622.38	1,021.72	833.86	187.86	5.439	
21,400.00	12,201.69	22,166.68	12,935.37	125.13	127.25	-135.90	-9,018.98	623.25	1,021.72	831.91	189.81	5.383	
21,500.00	12,202.56	22,266.68	12,936.24	126.49	128.60	-135.90	-9,118.97	624.11	1,021.72	829.95	191.77	5.328	
21,600.00	12,203.43	22,366.68	12,937.11	127.85	129.96	-135.90	-9,218.96	624.97	1,021.71	827.99	193.72	5.274	
21,700.00	12,204.30	22,466.68	12,937.98	129.21	131.31	-135.90	-9,318.95	625.83	1,021.71	826.03	195.68	5.221	
21,800.00	12,205.17	22,566.68	12,938.84	130.57	132.67	-135.90	-9,418.95	626.69	1,021.71	824.07	197.64	5.170	
21,900.00	12,206.04	22,666.68	12,939.71	131.93	134.03	-135.90	-9,518.94	627.55	1,021.71	822.11	199.60	5.119	
22,000.00	12,206.91	22,766.68	12,940.58	133.29	135.38	-135.90	-9,618.93	628.41	1,021.70	820.15	201.56	5.069	
22,100.00	12,207.79	22,866.68	12,941.45	134.65	136.74	-135.90	-9,718.92	629.27	1,021.70	818.18	203.52	5.020	
22,200.00	12,208.66	22,966.68	12,942.32	136.01	138.10	-135.90	-9,818.92	630.13	1,021.70	816.22	205.48	4.972	
22,300.00	12,209.53	23,066.68	12,943.18	137.37	139.46	-135.90	-9,918.91	630.99	1,021.70	814.25	207.45	4.925	
22,400.00	12,210.40	23,166.68	12,944.05	138.73	140.81	-135.90	-10,018.90	631.85	1,021.69	812.28	209.41	4.879	
22,411.61	12,210.50	23,178.29	12,944.15	138.89	140.97	-135.90	-10,030.51	631.95	1,021.69	812.06	209.64	4.874	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 135H
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 135H	**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
3,000.00	2,985.83	3,395.09	3,378.98	7.78	7.59	93.70	946.69	2,189.99	2,416.24	2,401.35	14.89	162.229	
3,100.00	3,084.97	3,491.35	3,473.56	7.98	7.74	94.23	933.31	2,178.02	2,400.90	2,385.66	15.24	157.569	
3,200.00	3,184.12	3,587.61	3,568.13	8.17	7.90	94.76	919.92	2,166.06	2,385.77	2,370.18	15.58	153.089	
3,300.00	3,283.26	3,683.87	3,662.70	8.36	8.07	95.29	906.53	2,154.09	2,370.85	2,354.91	15.93	148.783	
3,400.00	3,382.40	3,780.14	3,757.28	8.56	8.26	95.84	893.15	2,142.13	2,356.14	2,339.85	16.29	144.652	
3,500.00	3,481.55	3,876.40	3,851.85	8.75	8.46	96.38	879.76	2,130.16	2,341.66	2,325.01	16.65	140.679	
3,600.00	3,580.69	3,972.66	3,946.43	8.95	8.65	96.94	866.38	2,118.19	2,327.40	2,310.39	17.01	136.860	
3,700.00	3,679.84	4,068.92	4,041.00	9.14	8.86	97.50	852.99	2,106.23	2,313.37	2,296.00	17.37	133.188	
3,800.00	3,778.98	4,165.19	4,135.57	9.33	9.06	98.07	839.61	2,094.26	2,299.57	2,281.84	17.74	129.657	
3,900.00	3,878.13	4,261.45	4,230.15	9.53	9.27	98.64	826.22	2,082.30	2,286.01	2,267.91	18.11	126.261	
4,000.00	3,977.27	4,357.71	4,324.72	9.72	9.48	99.23	812.84	2,070.33	2,272.70	2,254.22	18.48	122.994	
4,100.00	4,076.42	4,453.98	4,419.29	9.91	9.69	99.81	799.45	2,058.36	2,259.63	2,240.77	18.85	119.851	
4,200.00	4,175.56	4,550.24	4,513.87	10.11	9.90	100.41	786.07	2,046.40	2,246.81	2,227.57	19.23	116.826	
4,300.00	4,274.70	4,646.50	4,608.44	10.30	10.12	101.01	772.68	2,034.43	2,234.24	2,214.63	19.61	113.914	
4,400.00	4,373.85	4,742.76	4,703.01	10.49	10.34	101.61	759.30	2,022.47	2,221.93	2,201.94	20.00	111.111	
4,500.00	4,472.99	4,839.03	4,797.59	10.69	10.56	102.23	745.91	2,010.50	2,209.89	2,189.51	20.38	108.412	
4,600.00	4,572.14	4,935.29	4,892.16	10.88	10.78	102.84	732.53	1,998.53	2,198.12	2,177.34	20.77	105.812	
4,700.00	4,671.28	5,031.55	4,986.74	11.08	11.00	103.47	719.14	1,986.57	2,186.61	2,165.44	21.17	103.297	
4,702.13	4,673.39	5,033.60	4,988.75	11.08	11.01	103.48	718.86	1,986.31	2,186.37	2,165.19	21.18	103.245	
4,800.00	4,770.58	5,128.08	5,081.56	11.28	11.23	103.91	705.72	1,974.57	2,175.08	2,153.53	21.55	100.914	
4,900.00	4,870.15	5,225.10	5,176.88	11.48	11.46	104.28	692.23	1,962.51	2,163.16	2,141.23	21.93	98.654	
5,000.00	4,969.93	5,322.55	5,272.62	11.67	11.69	104.59	678.68	1,950.39	2,150.78	2,128.49	22.28	96.517	
5,100.00	5,069.85	5,420.36	5,368.72	11.85	11.92	104.83	665.08	1,938.24	2,137.88	2,115.26	22.62	94.494	
5,200.00	5,169.84	5,518.48	5,465.11	11.99	12.15	105.01	651.43	1,926.04	2,124.43	2,101.48	22.95	92.581	
5,202.16	5,172.00	5,520.60	5,467.20	12.00	12.16	84.78	651.14	1,925.78	2,124.13	2,101.18	22.95	92.540	
5,300.00	5,269.84	5,616.72	5,561.64	12.08	12.39	85.11	637.77	1,913.83	2,110.71	2,087.46	23.25	90.765	
5,400.00	5,369.84	5,714.97	5,658.16	12.17	12.63	85.46	624.11	1,901.61	2,097.07	2,073.50	23.57	88.988	
5,500.00	5,469.84	5,813.21	5,754.68	12.26	12.87	85.81	610.45	1,889.40	2,083.50	2,059.62	23.88	87.255	
5,600.00	5,569.84	5,911.46	5,851.20	12.34	13.11	86.17	596.79	1,877.19	2,070.01	2,045.82	24.19	85.565	
5,700.00	5,669.84	6,009.70	5,947.72	12.43	13.35	86.53	583.13	1,864.98	2,056.60	2,032.10	24.51	83.916	
5,800.00	5,769.84	6,107.95	6,044.24	12.52	13.59	86.89	569.47	1,852.76	2,043.28	2,018.46	24.83	82.307	
5,900.00	5,869.84	6,206.19	6,140.76	12.61	13.83	87.26	555.81	1,840.55	2,030.04	2,004.90	25.14	80.737	
6,000.00	5,969.84	6,304.44	6,237.29	12.69	14.07	87.64	542.15	1,828.34	2,016.88	1,991.42	25.46	79.206	
6,100.00	6,069.84	6,402.68	6,333.81	12.78	14.32	88.01	528.49	1,816.13	2,003.82	1,978.03	25.78	77.714	
6,200.00	6,169.84	6,485.32	6,415.04	12.87	14.49	88.33	517.17	1,806.01	1,991.07	1,965.02	26.05	76.436	
6,300.00	6,269.84	6,557.87	6,486.58	12.96	14.65	88.59	508.19	1,797.99	1,979.59	1,953.28	26.31	75.252	
6,400.00	6,369.84	6,630.85	6,558.76	13.04	14.81	88.82	500.18	1,790.83	1,969.47	1,942.91	26.56	74.155	
6,500.00	6,469.84	6,700.00	6,627.34	13.13	14.95	89.01	493.54	1,784.89	1,960.71	1,933.92	26.79	73.180	
6,600.00	6,569.84	6,777.94	6,704.80	13.22	15.08	89.19	487.17	1,779.19	1,953.28	1,926.25	27.03	72.269	
6,700.00	6,669.84	6,851.94	6,778.50	13.30	15.19	89.33	482.21	1,774.76	1,947.19	1,919.95	27.24	71.476	
6,800.00	6,769.84	6,926.17	6,852.55	13.39	15.29	89.45	478.31	1,771.27	1,942.42	1,914.98	27.45	70.775	
6,900.00	6,869.84	7,000.00	6,926.28	13.48	15.38	89.53	475.49	1,768.75	1,938.98	1,911.35	27.63	70.165	
7,000.00	6,969.84	7,075.10	7,001.34	13.56	15.45	89.58	473.71	1,767.16	1,936.85	1,909.04	27.81	69.653	
7,100.00	7,069.84	7,149.69	7,075.93	13.65	15.50	89.60	473.04	1,766.56	1,936.04	1,908.10	27.94	69.295	
7,137.95	7,107.79	7,184.55	7,110.79	13.68	15.50	89.60	473.03	1,766.55	1,936.03	1,908.05	27.98	69.203	
7,200.00	7,169.84	7,246.60	7,172.84	13.74	15.52	89.60	473.03	1,766.55	1,936.03	1,907.98	28.05	69.024	
7,300.00	7,269.84	7,346.60	7,272.84	13.82	15.56	89.60	473.03	1,766.55	1,936.03	1,907.85	28.17	68.717	
7,400.00	7,369.84	7,446.60	7,372.84	13.91	15.60	89.60	473.03	1,766.55	1,936.03	1,907.73	28.30	68.412	
7,500.00	7,469.84	7,546.60	7,472.84	14.00	15.64	89.60	473.03	1,766.55	1,936.03	1,907.60	28.43	68.110	
7,600.00	7,569.84	7,646.60	7,572.84	14.08	15.68	89.60	473.03	1,766.55	1,936.03	1,907.48	28.55	67.809	
7,700.00	7,669.84	7,746.60	7,672.84	14.17	15.72	89.60	473.03	1,766.55	1,936.03	1,907.35	28.68	67.511	
7,800.00	7,769.84	7,846.60	7,772.84	14.26	15.76	89.60	473.03	1,766.55	1,936.03	1,907.22	28.80	67.214	

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 135H
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 135H	**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
7,900.00	7,869.84	7,946.60	7,872.84	14.34	15.80	89.60	473.03	1,766.55	1,936.03	1,907.10	28.93	66.919	
8,000.00	7,969.84	8,046.60	7,972.84	14.43	15.84	89.60	473.03	1,766.55	1,936.03	1,906.97	29.06	66.627	
8,100.00	8,069.84	8,146.60	8,072.84	14.51	15.88	89.60	473.03	1,766.55	1,936.03	1,906.84	29.19	66.336	
8,200.00	8,169.84	8,246.60	8,172.84	14.60	15.93	89.60	473.03	1,766.55	1,936.03	1,906.71	29.31	66.047	
8,300.00	8,269.84	8,346.60	8,272.84	14.69	15.97	89.60	473.03	1,766.55	1,936.03	1,906.59	29.44	65.760	
8,400.00	8,369.84	8,446.60	8,372.84	14.77	16.01	89.60	473.03	1,766.55	1,936.03	1,906.46	29.57	65.475	
8,500.00	8,469.84	8,546.60	8,472.84	14.86	16.05	89.60	473.03	1,766.55	1,936.03	1,906.33	29.70	65.192	
8,600.00	8,569.84	8,646.60	8,572.84	14.94	16.10	89.60	473.03	1,766.55	1,936.03	1,906.20	29.83	64.911	
8,700.00	8,669.84	8,746.60	8,672.84	15.03	16.14	89.60	473.03	1,766.55	1,936.03	1,906.07	29.95	64.632	
8,800.00	8,769.84	8,846.60	8,772.84	15.12	16.18	89.60	473.03	1,766.55	1,936.03	1,905.94	30.08	64.354	
8,900.00	8,869.84	8,946.60	8,872.84	15.20	16.23	89.60	473.03	1,766.55	1,936.03	1,905.81	30.21	64.078	
9,000.00	8,969.84	9,046.60	8,972.84	15.29	16.27	89.60	473.03	1,766.55	1,936.03	1,905.68	30.34	63.805	
9,100.00	9,069.84	9,146.60	9,072.84	15.37	16.32	89.60	473.03	1,766.55	1,936.03	1,905.55	30.47	63.533	
9,200.00	9,169.84	9,246.60	9,172.84	15.46	16.36	89.60	473.03	1,766.55	1,936.03	1,905.42	30.60	63.262	
9,300.00	9,269.84	9,346.60	9,272.84	15.54	16.41	89.60	473.03	1,766.55	1,936.03	1,905.29	30.73	62.994	
9,400.00	9,369.84	9,446.60	9,372.84	15.63	16.45	89.60	473.03	1,766.55	1,936.03	1,905.16	30.86	62.727	
9,500.00	9,469.84	9,546.60	9,472.84	15.71	16.50	89.60	473.03	1,766.55	1,936.03	1,905.03	31.00	62.462	
9,600.00	9,569.84	9,646.60	9,572.84	15.80	16.54	89.60	473.03	1,766.55	1,936.03	1,904.90	31.13	62.199	
9,700.00	9,669.84	9,746.60	9,672.84	15.89	16.59	89.60	473.03	1,766.55	1,936.03	1,904.77	31.26	61.938	
9,800.00	9,769.84	9,846.60	9,772.84	15.97	16.64	89.60	473.03	1,766.55	1,936.03	1,904.64	31.39	61.678	
9,900.00	9,869.84	9,946.60	9,872.84	16.06	16.68	89.60	473.03	1,766.55	1,936.03	1,904.51	31.52	61.420	
10,000.00	9,969.84	10,046.60	9,972.84	16.14	16.73	89.60	473.03	1,766.55	1,936.03	1,904.37	31.65	61.164	
10,100.00	10,069.84	10,146.60	10,072.84	16.23	16.78	89.60	473.03	1,766.55	1,936.03	1,904.24	31.79	60.909	
10,200.00	10,169.84	10,246.60	10,172.84	16.31	16.83	89.60	473.03	1,766.55	1,936.03	1,904.11	31.92	60.656	
10,300.00	10,269.84	10,346.60	10,272.84	16.40	16.88	89.60	473.03	1,766.55	1,936.03	1,903.98	32.05	60.405	
10,400.00	10,369.84	10,446.60	10,372.84	16.48	16.92	89.60	473.03	1,766.55	1,936.03	1,903.84	32.18	60.155	
10,500.00	10,469.84	10,546.60	10,472.84	16.57	16.97	89.60	473.03	1,766.55	1,936.03	1,903.71	32.32	59.907	
10,600.00	10,569.84	10,646.60	10,572.84	16.65	17.02	89.60	473.03	1,766.55	1,936.03	1,903.58	32.45	59.660	
10,700.00	10,669.84	10,746.60	10,672.84	16.74	17.07	89.60	473.03	1,766.55	1,936.03	1,903.44	32.58	59.416	
10,800.00	10,769.84	10,846.60	10,772.84	16.82	17.12	89.60	473.03	1,766.55	1,936.03	1,903.31	32.72	59.172	
10,900.00	10,869.84	10,946.60	10,872.84	16.91	17.17	89.60	473.03	1,766.55	1,936.03	1,903.17	32.85	58.931	
11,000.00	10,969.84	11,046.60	10,972.84	16.99	17.22	89.60	473.03	1,766.55	1,936.03	1,903.04	32.99	58.691	
11,100.00	11,069.84	11,146.60	11,072.84	17.08	17.27	89.60	473.03	1,766.55	1,936.03	1,902.90	33.12	58.452	
11,200.00	11,169.84	11,246.60	11,172.84	17.16	17.32	89.60	473.03	1,766.55	1,936.03	1,902.77	33.26	58.215	
11,300.00	11,269.84	11,346.60	11,272.84	17.25	17.37	89.60	473.03	1,766.55	1,936.03	1,902.64	33.39	57.980	
11,400.00	11,369.84	11,446.60	11,372.84	17.33	17.42	89.60	473.03	1,766.55	1,936.03	1,902.50	33.53	57.746	
11,500.00	11,469.84	11,546.60	11,472.84	17.42	17.47	89.60	473.03	1,766.55	1,936.03	1,902.36	33.66	57.514	
11,581.16	11,551.00	11,627.77	11,554.00	17.48	17.52	89.60	473.03	1,766.55	1,936.03	1,902.26	33.76	57.342	
11,600.00	11,569.83	11,646.60	11,572.83	17.48	17.52	-89.91	473.03	1,766.55	1,936.03	1,902.25	33.77	57.326	
11,642.47	11,612.19	11,688.95	11,615.19	17.49	17.55	-90.00	473.03	1,766.55	1,936.02	1,902.26	33.77	57.338	CC
11,650.00	11,619.67	11,696.44	11,622.67	17.49	17.55	-90.03	473.03	1,766.55	1,936.02	1,902.26	33.76	57.340	
11,700.00	11,668.99	11,745.75	11,671.99	17.51	17.58	-90.26	473.03	1,766.55	1,936.04	1,902.31	33.73	57.396	
11,750.00	11,717.40	11,794.17	11,720.40	17.51	17.60	-90.61	473.03	1,766.55	1,936.14	1,902.47	33.68	57.493	
11,800.00	11,764.55	11,841.32	11,767.55	17.52	17.63	-91.04	473.03	1,766.55	1,936.40	1,902.80	33.60	57.631	
11,850.00	11,810.08	11,886.85	11,813.08	17.52	17.65	-91.55	473.03	1,766.55	1,936.91	1,903.41	33.51	57.809	
11,900.00	11,853.63	11,930.40	11,856.63	17.52	17.67	-92.09	473.03	1,766.55	1,937.81	1,904.41	33.39	58.027	
11,950.00	11,894.88	11,971.65	11,897.88	17.53	17.69	-92.64	473.03	1,766.55	1,939.23	1,905.95	33.27	58.282	
12,000.00	11,933.52	12,010.28	11,936.52	17.53	17.71	-93.15	473.03	1,766.55	1,941.31	1,908.16	33.14	58.571	
12,050.00	11,969.24	12,046.01	11,972.24	17.53	17.73	-93.60	473.03	1,766.55	1,944.20	1,911.18	33.01	58.890	
12,100.00	12,001.78	12,078.55	12,004.78	17.53	17.75	-93.94	473.03	1,766.55	1,948.04	1,915.15	32.89	59.235	
12,150.00	12,030.89	12,107.65	12,033.89	17.53	17.77	-94.14	473.03	1,766.55	1,952.96	1,920.19	32.77	59.601	
12,200.00	12,056.34	12,133.11	12,059.34	17.53	17.78	-94.17	473.03	1,766.55	1,959.08	1,926.42	32.66	59.981	

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 135H
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 135H	**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
12,250.00	12,077.95	12,154.72	12,080.95	17.54	17.79	-94.00	473.03	1,766.55	1,966.48	1,933.90	32.57	60.369	
12,300.00	12,095.55	12,172.32	12,098.55	17.55	17.80	-93.60	473.03	1,766.55	1,975.21	1,942.71	32.51	60.761	
12,350.00	12,109.01	12,185.78	12,112.01	17.56	17.81	-92.95	473.03	1,766.55	1,985.32	1,952.85	32.47	61.152	
12,400.00	12,118.22	12,194.99	12,121.22	17.58	17.81	-92.04	473.03	1,766.55	1,996.77	1,964.32	32.45	61.536	
12,450.00	12,123.11	12,199.88	12,126.11	17.60	17.81	-90.87	473.03	1,766.55	2,009.53	1,977.07	32.46	61.913	
12,476.17	12,123.94	12,200.70	12,126.94	17.61	17.81	-90.15	473.03	1,766.55	2,016.69	1,984.22	32.47	62.108	
12,500.00	12,124.14	12,200.91	12,127.14	17.62	17.81	-90.15	473.03	1,766.55	2,023.50	1,991.01	32.49	62.283	
12,600.00	12,125.02	12,201.78	12,128.02	17.69	17.81	-90.18	473.03	1,766.55	2,054.81	2,022.17	32.64	62.949	
12,700.00	12,125.89	12,202.65	12,128.89	17.79	17.82	-90.20	473.03	1,766.55	2,090.44	2,057.56	32.88	63.574	
12,800.00	12,126.76	12,203.52	12,129.76	17.95	17.82	-90.23	473.03	1,766.55	2,130.17	2,096.98	33.19	64.177	
12,900.00	12,127.63	13,615.99	12,800.16	18.21	26.68	-108.20	-510.11	1,875.69	2,143.93	2,098.47	45.46	47.166	
13,000.00	12,128.50	13,715.99	12,800.68	18.61	27.81	-108.19	-610.11	1,876.60	2,143.86	2,096.80	47.06	45.552	
13,100.00	12,129.37	13,815.99	12,801.21	19.18	28.96	-108.18	-710.10	1,877.51	2,143.80	2,095.03	48.77	43.961	
13,200.00	12,130.24	13,915.99	12,801.74	19.87	30.12	-108.17	-810.09	1,878.41	2,143.74	2,093.18	50.55	42.407	
13,300.00	12,131.11	14,015.99	12,802.26	20.66	31.31	-108.16	-910.09	1,879.32	2,143.67	2,091.26	52.41	40.901	
13,400.00	12,131.99	14,115.99	12,802.79	21.53	32.50	-108.15	-1,010.08	1,880.23	2,143.61	2,089.27	54.34	39.449	
13,500.00	12,132.86	14,215.99	12,803.31	22.45	33.71	-108.14	-1,110.07	1,881.13	2,143.54	2,087.22	56.33	38.056	
13,600.00	12,133.73	14,315.99	12,803.84	23.43	34.93	-108.13	-1,210.07	1,882.04	2,143.48	2,085.11	58.37	36.723	
13,700.00	12,134.60	14,415.99	12,804.36	24.44	36.16	-108.12	-1,310.06	1,882.95	2,143.42	2,082.96	60.46	35.453	
13,800.00	12,135.47	14,515.99	12,804.89	25.50	37.40	-108.12	-1,410.06	1,883.85	2,143.35	2,080.76	62.59	34.244	
13,900.00	12,136.34	14,615.98	12,805.42	26.58	38.65	-108.11	-1,510.05	1,884.76	2,143.29	2,078.52	64.76	33.094	
14,000.00	12,137.21	14,715.98	12,805.94	27.69	39.91	-108.10	-1,610.04	1,885.67	2,143.22	2,076.25	66.97	32.003	
14,100.00	12,138.08	14,815.98	12,806.47	28.82	41.17	-108.09	-1,710.04	1,886.57	2,143.16	2,073.95	69.21	30.967	
14,200.00	12,138.96	14,915.98	12,806.99	29.98	42.44	-108.08	-1,810.03	1,887.48	2,143.10	2,071.62	71.47	29.984	
14,300.00	12,139.83	15,015.98	12,807.52	31.15	43.72	-108.07	-1,910.03	1,888.39	2,143.03	2,069.27	73.77	29.052	
14,400.00	12,140.70	15,115.98	12,808.05	32.33	45.00	-108.06	-2,010.02	1,889.30	2,142.97	2,066.89	76.08	28.167	
14,500.00	12,141.57	15,215.98	12,808.57	33.54	46.28	-108.05	-2,110.01	1,890.20	2,142.91	2,064.49	78.42	27.328	
14,600.00	12,142.44	15,315.98	12,809.10	34.75	47.57	-108.04	-2,210.01	1,891.11	2,142.84	2,062.07	80.77	26.530	
14,700.00	12,143.31	15,415.98	12,809.62	35.98	48.87	-108.03	-2,310.00	1,892.02	2,142.78	2,059.64	83.14	25.773	
14,800.00	12,144.18	15,515.98	12,810.15	37.21	50.17	-108.02	-2,410.00	1,892.92	2,142.72	2,057.19	85.53	25.053	
14,900.00	12,145.05	15,615.98	12,810.67	38.46	51.47	-108.01	-2,509.99	1,893.83	2,142.65	2,054.72	87.93	24.368	
15,000.00	12,145.93	15,715.98	12,811.20	39.71	52.77	-108.01	-2,609.98	1,894.74	2,142.59	2,052.24	90.34	23.716	
15,100.00	12,146.80	15,815.98	12,811.73	40.97	54.08	-108.00	-2,709.98	1,895.64	2,142.53	2,049.75	92.77	23.095	
15,200.00	12,147.67	15,915.98	12,812.25	42.24	55.39	-107.99	-2,809.97	1,896.55	2,142.46	2,047.25	95.21	22.503	
15,300.00	12,148.54	16,015.98	12,812.78	43.51	56.71	-107.98	-2,909.97	1,897.46	2,142.40	2,044.74	97.66	21.938	
15,400.00	12,149.41	16,115.98	12,813.30	44.79	58.02	-107.97	-3,009.96	1,898.36	2,142.34	2,042.22	100.12	21.399	
15,500.00	12,150.28	16,215.98	12,813.83	46.08	59.34	-107.96	-3,109.95	1,899.27	2,142.27	2,039.69	102.58	20.883	
15,600.00	12,151.15	16,315.97	12,814.35	47.37	60.66	-107.95	-3,209.95	1,900.18	2,142.21	2,037.15	105.06	20.391	
15,700.00	12,152.02	16,415.97	12,814.88	48.66	61.98	-107.94	-3,309.94	1,901.08	2,142.15	2,034.61	107.54	19.920	
15,800.00	12,152.90	16,515.97	12,815.41	49.96	63.31	-107.93	-3,409.93	1,901.99	2,142.09	2,032.06	110.03	19.468	
15,900.00	12,153.77	16,615.97	12,815.93	51.26	64.64	-107.92	-3,509.93	1,902.90	2,142.02	2,029.50	112.53	19.036	
16,000.00	12,154.64	16,715.97	12,816.46	52.57	65.96	-107.91	-3,609.92	1,903.80	2,141.96	2,026.93	115.03	18.621	
16,100.00	12,155.51	16,815.97	12,816.98	53.88	67.29	-107.90	-3,709.92	1,904.71	2,141.90	2,024.36	117.54	18.223	
16,200.00	12,156.38	16,915.97	12,817.51	55.19	68.63	-107.90	-3,809.91	1,905.62	2,141.83	2,021.78	120.05	17.841	
16,300.00	12,157.25	17,015.97	12,818.04	56.50	69.96	-107.89	-3,909.90	1,906.53	2,141.77	2,019.20	122.57	17.474	
16,400.00	12,158.12	17,115.97	12,818.56	57.82	71.29	-107.88	-4,009.90	1,907.43	2,141.71	2,016.62	125.09	17.121	
16,500.00	12,158.99	17,215.97	12,819.09	59.14	72.63	-107.87	-4,109.89	1,908.34	2,141.65	2,014.03	127.62	16.781	
16,600.00	12,159.87	17,315.97	12,819.61	60.46	73.97	-107.86	-4,209.89	1,909.25	2,141.59	2,011.43	130.15	16.454	
16,700.00	12,160.74	17,415.97	12,820.14	61.79	75.30	-107.85	-4,309.88	1,910.15	2,141.52	2,008.83	132.69	16.139	
16,800.00	12,161.61	17,515.97	12,820.66	63.11	76.64	-107.84	-4,409.87	1,911.06	2,141.46	2,006.23	135.23	15.836	
16,900.00	12,162.48	17,615.97	12,821.19	64.44	77.98	-107.83	-4,509.87	1,911.97	2,141.40	2,003.63	137.77	15.543	
17,000.00	12,163.35	17,715.97	12,821.72	65.77	79.32	-107.82	-4,609.86	1,912.87	2,141.34	2,001.02	140.32	15.260	

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 135H
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 135H	**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
17,100.00	12,164.22	17,815.97	12,822.24	67.10	80.67	-107.81	-4,709.86	1,913.78	2,141.27	1,998.40	142.87	14.988	
17,200.00	12,165.09	17,915.97	12,822.77	68.43	82.01	-107.80	-4,809.85	1,914.69	2,141.21	1,995.79	145.42	14.724	
17,300.00	12,165.96	18,015.96	12,823.29	69.77	83.35	-107.79	-4,909.84	1,915.59	2,141.15	1,993.17	147.98	14.469	
17,400.00	12,166.84	18,115.96	12,823.82	71.10	84.70	-107.79	-5,009.84	1,916.50	2,141.09	1,990.55	150.54	14.223	
17,500.00	12,167.71	18,215.96	12,824.34	72.44	86.04	-107.78	-5,109.83	1,917.41	2,141.03	1,987.93	153.10	13.984	
17,600.00	12,168.58	18,315.96	12,824.87	73.78	87.39	-107.77	-5,209.82	1,918.31	2,140.97	1,985.30	155.67	13.754	
17,700.00	12,169.45	18,415.96	12,825.40	75.12	88.73	-107.76	-5,309.82	1,919.22	2,140.90	1,982.67	158.23	13.530	
17,800.00	12,170.32	18,515.96	12,825.92	76.46	90.08	-107.75	-5,409.81	1,920.13	2,140.84	1,980.04	160.80	13.314	
17,900.00	12,171.19	18,615.96	12,826.45	77.80	91.43	-107.74	-5,509.81	1,921.03	2,140.78	1,977.41	163.37	13.104	
18,000.00	12,172.06	18,715.96	12,826.97	79.14	92.78	-107.73	-5,609.80	1,921.94	2,140.72	1,974.77	165.95	12.900	
18,100.00	12,172.93	18,815.96	12,827.50	80.48	94.13	-107.72	-5,709.79	1,922.85	2,140.66	1,972.14	168.52	12.703	
18,200.00	12,173.81	18,915.96	12,828.03	81.83	95.48	-107.71	-5,809.79	1,923.75	2,140.60	1,969.50	171.10	12.511	
18,300.00	12,174.68	19,015.96	12,828.55	83.17	96.83	-107.70	-5,909.78	1,924.66	2,140.53	1,966.86	173.68	12.325	
18,400.00	12,175.55	19,115.96	12,829.08	84.52	98.18	-107.69	-6,009.78	1,925.57	2,140.47	1,964.22	176.26	12.144	
18,500.00	12,176.42	19,215.96	12,829.60	85.86	99.53	-107.68	-6,109.77	1,926.48	2,140.41	1,961.57	178.84	11.968	
18,600.00	12,177.29	19,315.96	12,830.13	87.21	100.88	-107.68	-6,209.76	1,927.38	2,140.35	1,958.93	181.42	11.797	
18,700.00	12,178.16	19,415.96	12,830.65	88.56	102.23	-107.67	-6,309.76	1,928.29	2,140.29	1,956.28	184.01	11.631	
18,800.00	12,179.03	19,515.96	12,831.18	89.91	103.59	-107.66	-6,409.75	1,929.20	2,140.23	1,953.63	186.60	11.470	
18,900.00	12,179.90	19,615.95	12,831.71	91.26	104.94	-107.65	-6,509.75	1,930.10	2,140.17	1,950.98	189.19	11.312	
19,000.00	12,180.78	19,715.95	12,832.23	92.61	106.29	-107.64	-6,609.74	1,931.01	2,140.11	1,948.33	191.78	11.159	
19,100.00	12,181.65	19,815.95	12,832.76	93.96	107.65	-107.63	-6,709.73	1,931.92	2,140.04	1,945.68	194.37	11.010	
19,200.00	12,182.52	19,915.95	12,833.28	95.31	109.00	-107.62	-6,809.73	1,932.82	2,139.98	1,943.02	196.96	10.865	
19,300.00	12,183.39	20,015.95	12,833.81	96.66	110.36	-107.61	-6,909.72	1,933.73	2,139.92	1,940.37	199.56	10.723	
19,400.00	12,184.26	20,115.95	12,834.33	98.01	111.71	-107.60	-7,009.72	1,934.64	2,139.86	1,937.71	202.15	10.585	
19,500.00	12,185.13	20,215.95	12,834.86	99.36	113.07	-107.59	-7,109.71	1,935.54	2,139.80	1,935.05	204.75	10.451	
19,600.00	12,186.00	20,315.95	12,835.39	100.72	114.42	-107.58	-7,209.70	1,936.45	2,139.74	1,932.40	207.35	10.320	
19,700.00	12,186.87	20,415.95	12,835.91	102.07	115.78	-107.57	-7,309.70	1,937.36	2,139.68	1,929.74	209.94	10.192	
19,800.00	12,187.75	20,515.95	12,836.44	103.42	117.14	-107.56	-7,409.69	1,938.26	2,139.62	1,927.07	212.54	10.067	
19,900.00	12,188.62	20,615.95	12,836.96	104.78	118.49	-107.56	-7,509.68	1,939.17	2,139.56	1,924.41	215.15	9.945	
20,000.00	12,189.49	20,715.95	12,837.49	106.13	119.85	-107.55	-7,609.68	1,940.08	2,139.50	1,921.75	217.75	9.826	
20,100.00	12,190.36	20,815.95	12,838.02	107.49	121.21	-107.54	-7,709.67	1,940.98	2,139.44	1,919.09	220.35	9.709	
20,200.00	12,191.23	20,915.95	12,838.54	108.84	122.57	-107.53	-7,809.67	1,941.89	2,139.38	1,916.42	222.96	9.596	
20,300.00	12,192.10	21,015.95	12,839.07	110.20	123.92	-107.52	-7,909.66	1,942.80	2,139.32	1,913.76	225.56	9.484	
20,400.00	12,192.97	21,115.95	12,839.59	111.55	125.28	-107.51	-8,009.65	1,943.71	2,139.26	1,911.09	228.17	9.376	
20,500.00	12,193.85	21,215.95	12,840.12	112.91	126.64	-107.50	-8,109.65	1,944.61	2,139.20	1,908.42	230.77	9.270	
20,600.00	12,194.72	21,315.94	12,840.64	114.27	128.00	-107.49	-8,209.64	1,945.52	2,139.14	1,905.75	233.38	9.166	
20,700.00	12,195.59	21,415.94	12,841.17	115.62	129.36	-107.48	-8,309.64	1,946.43	2,139.08	1,903.09	235.99	9.064	
20,800.00	12,196.46	21,515.94	12,841.70	116.98	130.72	-107.47	-8,409.63	1,947.33	2,139.02	1,900.42	238.60	8.965	
20,900.00	12,197.33	21,615.94	12,842.22	118.34	132.07	-107.46	-8,509.62	1,948.24	2,138.96	1,897.75	241.21	8.868	
21,000.00	12,198.20	21,715.94	12,842.75	119.70	133.43	-107.45	-8,609.62	1,949.15	2,138.90	1,895.07	243.82	8.772	
21,100.00	12,199.07	21,815.94	12,843.27	121.05	134.79	-107.45	-8,709.61	1,950.05	2,138.84	1,892.40	246.43	8.679	
21,200.00	12,199.94	21,915.94	12,843.80	122.41	136.15	-107.44	-8,809.61	1,950.96	2,138.78	1,889.73	249.05	8.588	
21,300.00	12,200.82	22,015.94	12,844.32	123.77	137.51	-107.43	-8,909.60	1,951.87	2,138.72	1,887.06	251.66	8.498	
21,400.00	12,201.69	22,115.94	12,844.85	125.13	138.87	-107.42	-9,009.59	1,952.77	2,138.66	1,884.38	254.28	8.411	
21,500.00	12,202.56	22,215.94	12,845.38	126.49	140.23	-107.41	-9,109.59	1,953.68	2,138.60	1,881.71	256.89	8.325	
21,600.00	12,203.43	22,315.94	12,845.90	127.85	141.59	-107.40	-9,209.58	1,954.59	2,138.54	1,879.03	259.51	8.241	
21,700.00	12,204.30	22,415.94	12,846.43	129.21	142.96	-107.39	-9,309.57	1,955.49	2,138.48	1,876.36	262.12	8.158	
21,800.00	12,205.17	22,515.94	12,846.95	130.57	144.32	-107.38	-9,409.57	1,956.40	2,138.42	1,873.68	264.74	8.077	
21,900.00	12,206.04	22,615.94	12,847.48	131.93	145.68	-107.37	-9,509.56	1,957.31	2,138.36	1,871.00	267.36	7.998	
22,000.00	12,206.91	22,715.94	12,848.01	133.29	147.04	-107.36	-9,609.56	1,958.21	2,138.30	1,868.33	269.98	7.920	
22,100.00	12,207.79	22,815.94	12,848.53	134.65	148.40	-107.35	-9,709.55	1,959.12	2,138.24	1,865.65	272.59	7.844	
22,200.00	12,208.66	22,915.93	12,849.06	136.01	149.76	-107.34	-9,809.54	1,960.03	2,138.18	1,862.97	275.21	7.769	

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 135H
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 135H	**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
22,300.00	12,209.53	23,015.93	12,849.58	137.37	151.12	-107.33	-9,909.54	1,960.93	2,138.12	1,860.29	277.83	7.696	
22,400.00	12,210.40	23,115.93	12,850.11	138.73	152.48	-107.33	-10,009.53	1,961.84	2,138.06	1,857.61	280.45	7.624	
22,411.61	12,210.50	23,127.55	12,850.17	138.89	152.64	-107.32	-10,021.14	1,961.95	2,138.06	1,857.30	280.76	7.615	ES, SF

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

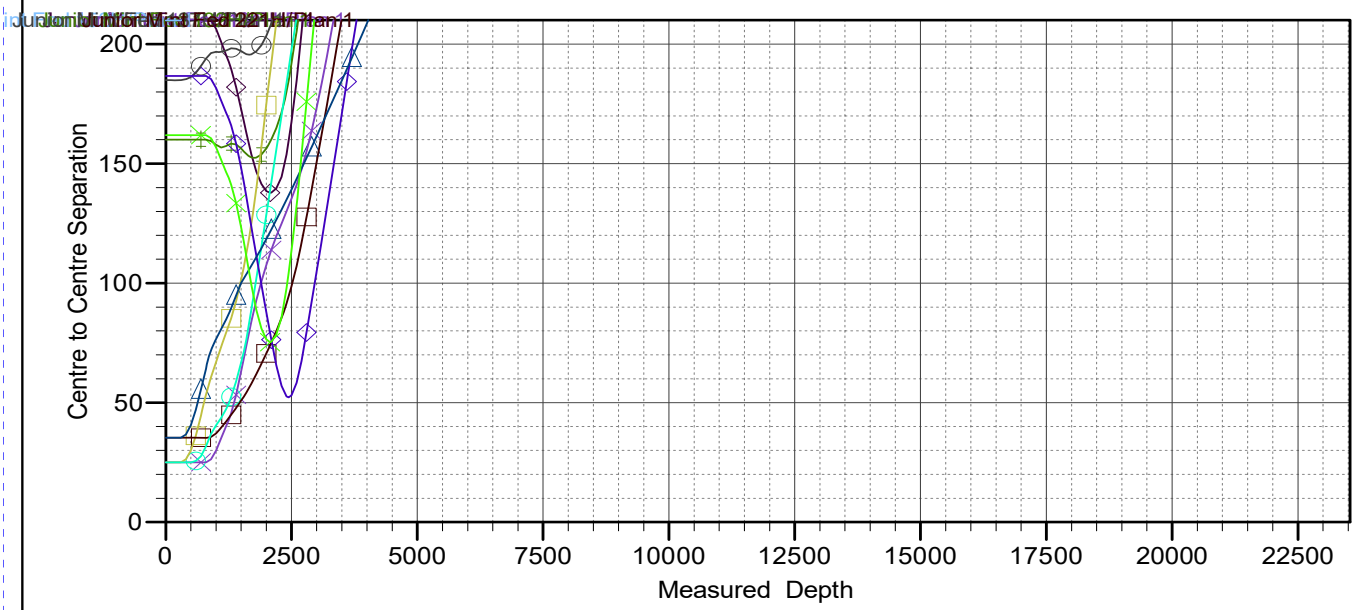
Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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)
Offset Depths are relative to Offset Datum
Central Meridian is -104.3333333

Coordinates are relative to: Junior Mint Fed 135H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.52°

Ladder Plot



LEGEND

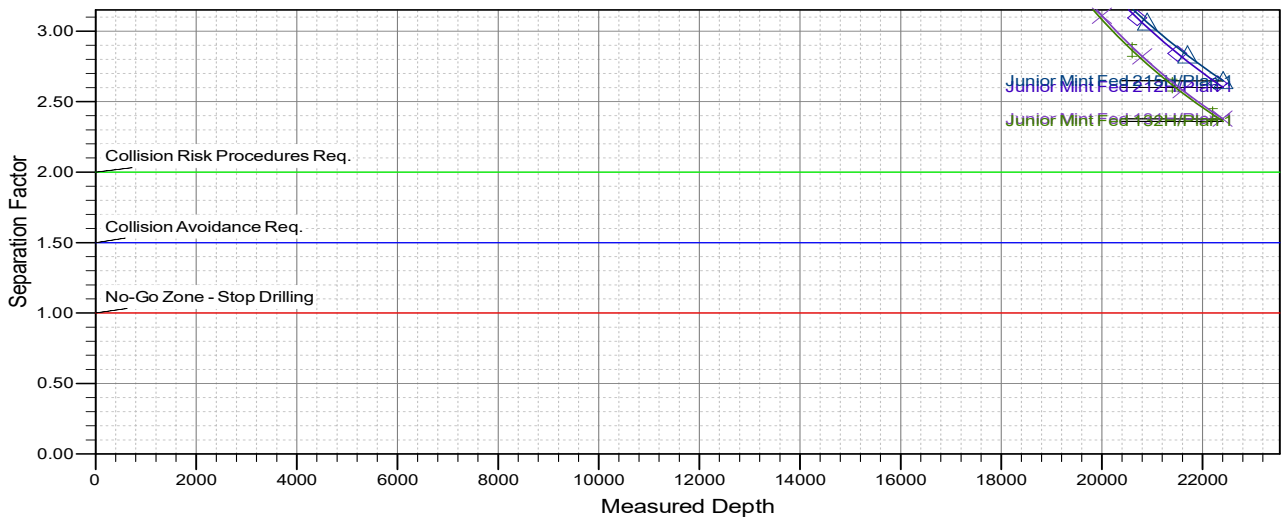
- Junior Mint Fed 217H, OH, Plan 1 V0
- Junior Mint Fed 131H, OH, Plan 1 V0
- Junior Mint Fed 152H, OH, Plan 1 V0
- Junior Mint Fed 133H, OH, Plan 1 V0
- Junior Mint Fed 213H, OH, Plan 1 V0
- (O) Montera Federal Com 601H, OH, OH V0
- Junior Mint Fed 132H, OH, Plan 1 V0
- Junior Mint Fed 156H, OH, Plan 1 V0
- (O) Montera Federal 023H, OH, OH V0
- Junior Mint Fed 137H, OH, Plan 1 V0
- Junior Mint Fed 211H, OH, Plan 1 V0
- Junior Mint Fed 223H, 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
- Junior Mint Fed 216H, OH, Plan 1 V0

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 135H
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 135H	**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 135H
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
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- Junior Mint Fed 216H, OH, Plan 1 V0

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General Information
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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

Action 475361

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475361
	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.	6/25/2025