Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM101609

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
JUNIOR MINT FED/151H

2. Name of Operator CIVITAS PERMIAN OPERATING LLC

9. API Well No.

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

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

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

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

11. Country or Parish, State
LEA/NM

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

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

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

Civitas Permian Operating, LLC requests the following changes to the previously approved surface hole location (SHL) and drill plan. Change SHL from 472 FNL & 1499 FWL, NENW, Sec. 15, T.25S, R.35E to 486 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 / 472 FNL / 1499 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.13634 / LONG: -103.3590898 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 92 FNL / 509 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1373804 / LONG: -103.3622868 (TVD: 11265 feet, MD: 11379 feet)

BHL: SWSW / 5 FSL / 495 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086282 / LONG: -103.362349 (TVD: 11737 feet, MD: 22022 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
30-025-54738	98185	WC-025 G-09 S253502B;LWR BONE SPRING

Property Code	Property Name	Well Number
337333	JUNIOR MINT FED	151H

OGRID No.	Operator Name	Ground Level Elevation
332195	CIVITAS PERMIAN OPERATING, LLC	3221'

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	-	486' N	1434' W	N 32.1363004	W 103.3593002	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	495' W	N 32.1086282	W 103.3623497	LEA

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

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

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
D	15	25-S	35-E	-	100' N	495' W	N 32.1373672	W 103.3623354	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	495' W	N 32.1373672	W 103.3623354	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	495' W	N 32.1088893	W 103.3623491	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 3:41:03 PM

Signature and Seal of Professional Surveyor Date

Certificate Number

Date of Survey: 01/30/2025

M:\SURVEY\CIVITAS_RESOURCES_INC\LEA\JUNIOR_MINT_UNIT\FINAL_PRODUCT\SJUNIOR MINT FED REVISED\LO_JUNIOR_MINT_FED_151H.dwg Y:\AHR\MENDIETA 2/6/2025 3:41 PM

C-102

Submit Electronically
Via OCD Permitting

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

Revised July 9, 2024

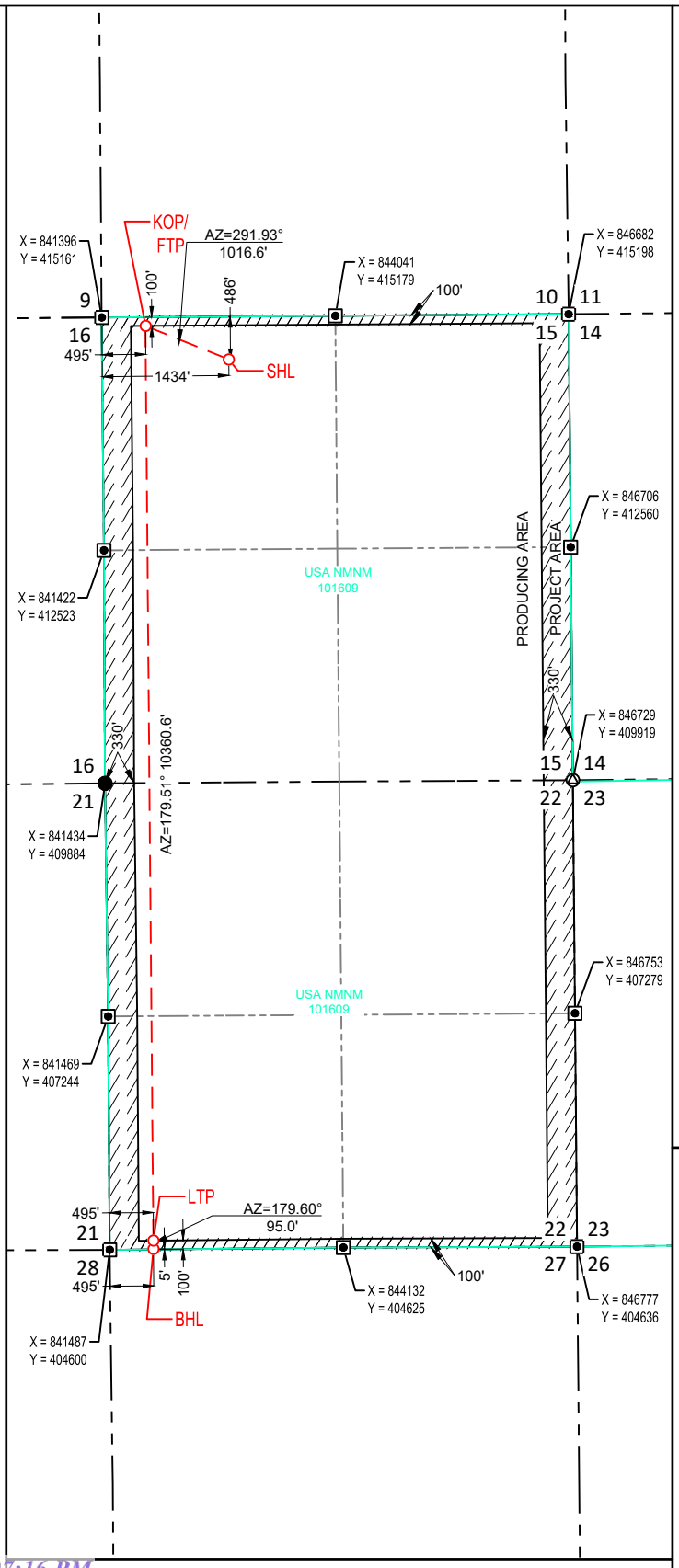
Submittal Type:
- ☐ Initial Submittal
- ☒ Amended Report
- ☐ As Drilled

Property Name and Well Number

JUNIOR MINT FED 151H

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=842835 Y=414685
LAT.: N 32.1363004
LONG.: W 103.3593002
NAD 1927
X=801648 Y=414627
LAT.: N 32.1361741
LONG.: W 103.3588352
486' FNL 1434' FWL

KICK OFF POINT (KOP)
FIRST TAKE POINT (FTP)
NEW MEXICO EAST
NAD 1983
X=841892 Y=415065
LAT.: N 32.1373672
LONG.: W 103.3623354
NAD 1927
X=800705 Y=415006
LAT.: N 32.1372410
LONG.: W 103.3618702
100' FNL 495' FWL



LAST TAKE POINT (LTP)
NEW MEXICO EAST
NAD 1983
X=841981 Y=404704
LAT.: N 32.1088893
LONG.: W 103.3623491
NAD 1927
X=800794 Y=404646
LAT.: N 32.1087629
LONG.: W 103.3618854
100' FSL 495' FWL

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=841982 Y=404609
LAT.: N 32.1086282
LONG.: W 103.3623497
NAD 1927
X=800795 Y=404551
LAT.: N 32.1085018
LONG.: W 103.3618861
5' FSL 495' 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:

2/6/2025 3:41:06 PM

M:\SURVEY\OVITA'S_RESOURCES_INC\LEA\JUNIOR_MINT_UNIT\FINAL_PRODUCTS\JUNIOR MINT FED REVISED\DO_JUNIOR_MINT_FED_151H.dwg YAHIR.MENDIETA 2/6/2025 3:41 PM

CIVITAS

Junior Mint Sundry Summary

4/3/2025

Civitas Resources is requesting the following sundries/variances

1. Casing Design/Depth Sundry: Civitas Resources requests to sundry the well design and intermediate casing depth on the (4) Third Bone Spring Carbonate wells in the development.

- Third Bone Spring Carbonate wells with Sundries:
  i. Junior Mint Fed 152
  ii. Junior Mint Fed 151
  iii. Junior Mint Fed 156
  iv. Junior Mint Fed 158

- Current Design/Proposed Design:
  i. Current: 17.5" Hole, 13 3/8 54.50# J-55 BTC ran to 685',

  Sundry: 14.75 Hole, 11 3/4" 47# J-55 BTC ran to 1,075'

  Comments: Reduce hole size to improve operational efficiency
  Deepen surface to top of salt to cover red beds

  ii. Current: 12.25" Hole, 9 5/8" 40.00# J-55 BTC ran to ~5,250'

  Sundry: 10.625" Hole, 8 5/8" 32.00# J-55 BTC ran to ~5,250'

  Comments: Reduce hole size to improve operational efficiency
  No change to set depth

  iii. Current: 8.75" x 7.875" Hole, 5 ½" 20# P110 TXP ran to TD

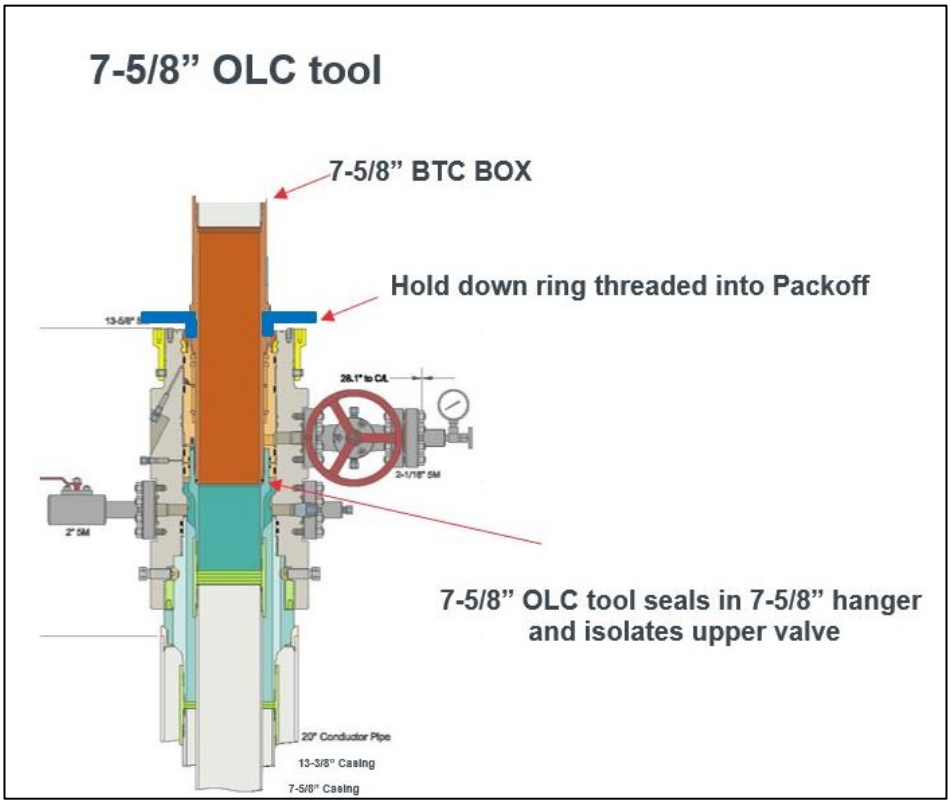
  Sundry: 7.875" Hole 5 ½" 23# P110MS/RY Talon ran to TD

  Comments: Reduce hole size to improve operational efficiency
  Raise casing weight to 23# for increased burst pressure during frac

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

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

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



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

- Junior Mint Fed 151, 3BSC 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	5,012	**Salt**	Salt
DMG	5,160	5,252	Sandstone	None
Lamar	5,165	5,257	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,277	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,297	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,242	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,717	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	9,027	Carbonate	Hydrocarbons
Upper Avalon	8,955	9,052	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,282	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,262	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,427	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,812	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,362	Carbonate	Hydrocarbons
KOP	11078	11175	Carbonate	Hydrocarbons
TD	11737	22008	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	10 5/8	1,075	5,302	8 5/8	API	No	0	5,302	0	5,215	HCL80	32	BTC	1.13	1.15	1.6
Production	7 7/8	5,302	11,175	5 1/2	NON API	No	0	11,175	0	11,078	P110RYS	23	Talon	1.13	1.15	1.6
	7 7/8	11,175	22,008	5 1/2	NON API	No	11,175	22,008	11,078	11,737	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	380	4.29	1629	10.5	200%	C	Additives + LCM
	Tail	4302	126	1.67	210	13.2	100%	C	Additives + LCM
Production	Lead	4802	328	3.93	1290	10.5	20%	C	Additives + LCM
	Tail	11078	1578	1.44	2273	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	5,302	Brine Water	10.00	27-30	NC
Production	5,302	22,008	FW/Cut Brine	9.00	27-30	NC

U. S. Steel Tubular Products

2/25/2025 2:43:45 PM

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

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	in.	--
Wall Thickness	0.415	--	in.	--
Inside Diameter	4.670	4.670	in.	--
Standard Drift	4.545	4.545	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	23.00	--	lb/ft	--
Plain End Weight	22.56	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	6.630	6.425	sq. in.	--
Joint Efficiency	--	96.9	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	14,540	14,540	psi	--
Minimum Internal Yield Pressure	14,520	14,520	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	707,000	lb	--
Compression Rating	--	707,000	lb	--
Reference Length	--	20,490	ft	[5]
Maximum Uniaxial Bend Rating	--	88.9	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	20,800	ft-lb	[4]
Maximum Make-Up Torque	--	23,800	ft-lb	[4]
Maximum Operating Torque	--	39,800	ft-lb	[4]

Notes

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

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

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

U. S. Steel Tubular Products

2/25/2025 2:25:12 PM

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

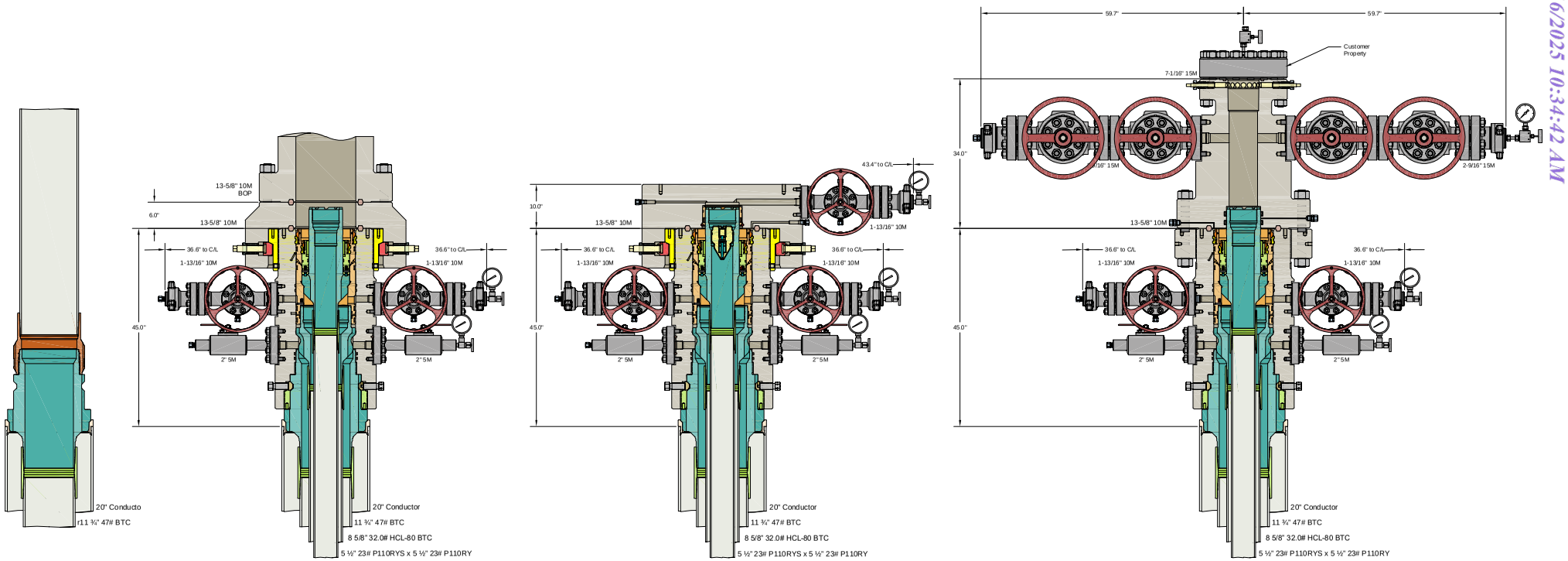
MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	120,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	in.	--
Wall Thickness	0.415	--	in.	--
Inside Diameter	4.670	4.670	in.	--
Standard Drift	4.545	4.545	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	23.00	--	lb/ft	--
Plain End Weight	22.56	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	6.630	6.425	sq. in.	--
Joint Efficiency	--	96.9	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	14,540	14,540	psi	--
Minimum Internal Yield Pressure	14,520	14,520	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	707,000	lb	--
Compression Rating	--	707,000	lb	--
Reference Length	--	20,490	ft	[5]
Maximum Uniaxial Bend Rating	--	88.9	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	20,800	ft-lb	[4]
Maximum Make-Up Torque	--	23,800	ft-lb	[4]
Maximum Operating Torque	--	39,800	ft-lb	[4]

Notes

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

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

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



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIVITAS RESOURCES
DELAWARE BASIN

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

DRAWN	VJK	13FEB25
APPRV		
DRAWING NO.	REF: HBE0001444	

Do Not Cross SL

Project: Lea County, NM (NAD 83)
Site: Junior Mint Fed Pad
Well: Junior Mint Fed 151H
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 3221 + 26 @ 3247.00usft (26' KB)

SHL

RKB Elevation: GE 3221 + 26 @ 3247.00usft (26' KB)

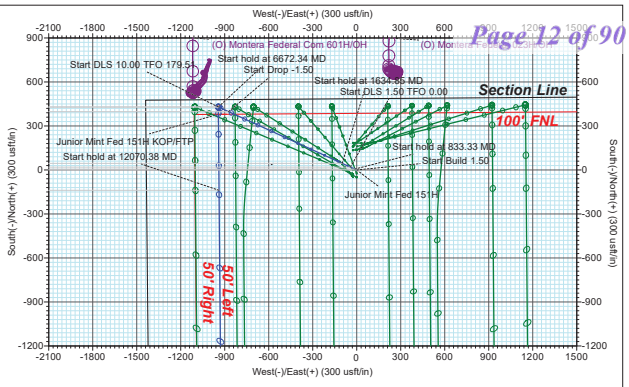
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	414685.00	842835.00	32.1363001	-103.3593001	

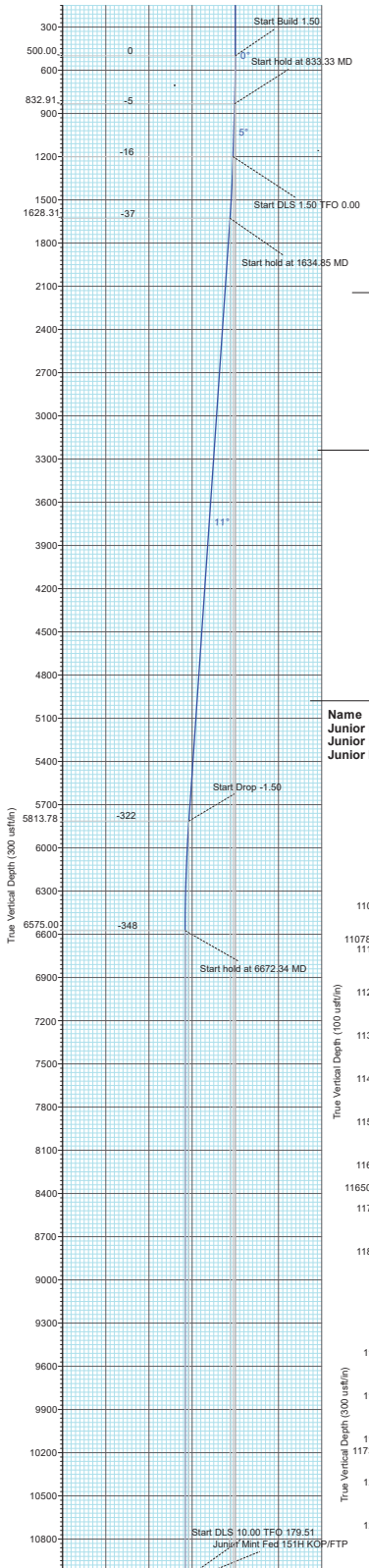
SECTION DETAILS

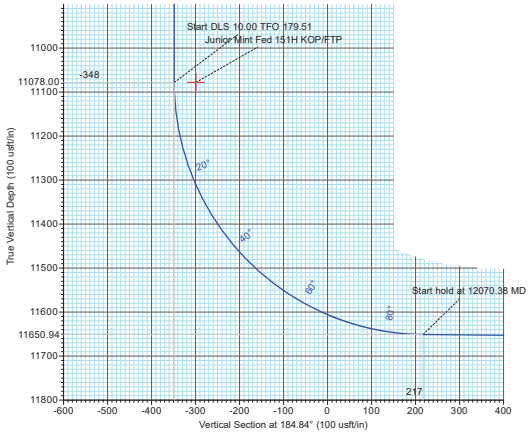
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
833.33	5.00	294.47	832.91	6.02	-13.23	1.50	294.47	-4.88	
1201.83	5.00	294.47	1200.00	19.32	-42.46	0.00	0.00	-15.67	
1634.85	11.50	294.47	1628.31	45.04	-98.97	1.50	0.00	-36.53	
5905.98	11.50	294.47	5813.78	397.63	-873.69	0.00	0.00	-322.50	
6672.34	0.00	0.00	6575.00	429.37	-943.43	1.50	180.00	-348.24	
11175.34	0.00	0.00	11078.00	429.37	-943.43	0.00	0.00	-348.24	
12070.38	89.50	179.51	11650.94	-138.60	-938.54	10.00	179.51	217.30	
22008.51	89.50	179.51	11737.00	-10076.00	-853.00	0.00	0.00	10112.04	

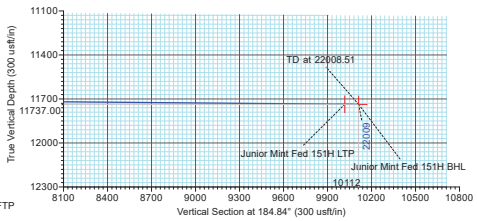
WELLBORE TARGET DETAILS

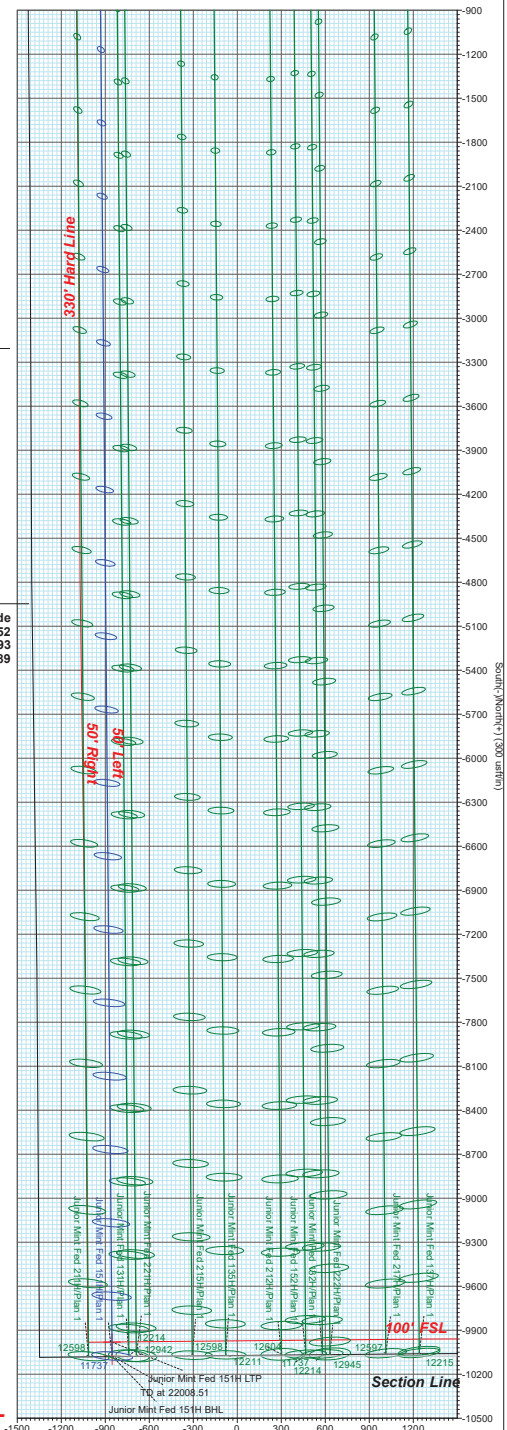
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 151H KOP/FTP	11078.00	380.00	-943.00	415065.00	841892.00	32.1373680	-103.3623352
Junior Mint Fed 151H LTP	11736.50	-9981.00	-854.00	404704.00	841981.00	32.1088880	-103.3623493
Junior Mint Fed 151H BHL	11737.00	-10076.00	-853.00	404609.00	841982.00	32.1086269	-103.3623489











Do Not Cross SL

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 151H

OH

Plan: Plan 1

Total Directional
"Driven by TOTAL performance"
total

Standard Plan Report

25 March, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**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 151H

Well Position	**+N/-S**	0.00 usft	**Northing:**	414,685.00 usft	**Latitude:**	32.1363002
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3593001
Position Uncertainty		0.50 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,221.00 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	184.84

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,008.51	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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
833.33	5.00	294.47	832.91	6.02	-13.23	1.50	1.50	0.00	294.47	
1,201.83	5.00	294.47	1,200.00	19.32	-42.46	0.00	0.00	0.00	0.00	
1,634.85	11.50	294.47	1,628.31	45.04	-98.97	1.50	1.50	0.00	0.00	
5,905.98	11.50	294.47	5,813.78	397.63	-873.69	0.00	0.00	0.00	0.00	
6,672.34	0.00	0.01	6,575.00	429.37	-943.43	1.50	-1.50	0.00	180.00	
11,175.34	0.00	0.01	11,078.00	429.37	-943.43	0.00	0.00	0.00	0.01	
12,070.38	89.50	179.51	11,650.94	-138.60	-938.54	10.00	10.00	20.06	179.51	
22,008.51	89.50	179.51	11,737.00	-10,076.00	-853.00	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	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.00	0.00	0.00
600.00	1.50	294.47	599.99	0.54	-1.19	414,685.54	842,833.81	32.1363017	-103.3593040	-0.44	1.50	1.50	0.00
700.00	3.00	294.47	699.91	2.17	-4.76	414,687.17	842,830.24	32.1363063	-103.3593155	-1.76	1.50	1.50	0.00
800.00	4.50	294.47	799.69	4.88	-10.72	414,689.88	842,824.28	32.1363138	-103.3593346	-3.96	1.50	1.50	0.00
833.33	5.00	294.47	832.91	6.02	-13.23	414,691.02	842,821.77	32.1363171	-103.3593427	-4.88	1.50	1.50	0.00
900.00	5.00	294.47	899.32	8.43	-18.52	414,693.43	842,816.48	32.1363238	-103.3593597	-6.83	0.00	0.00	0.00
1,000.00	5.00	294.47	998.94	12.04	-26.45	414,697.04	842,808.55	32.1363339	-103.3593852	-9.76	0.00	0.00	0.00
1,100.00	5.00	294.47	1,098.56	15.65	-34.38	414,700.65	842,800.62	32.1363440	-103.3594107	-12.69	0.00	0.00	0.00
1,201.83	5.00	294.47	1,200.00	19.32	-42.46	414,704.32	842,792.54	32.1363543	-103.3594367	-15.67	0.00	0.00	0.00
1,300.00	6.47	294.47	1,297.68	23.39	-51.39	414,708.39	842,783.61	32.1363657	-103.3594655	-18.97	1.50	1.50	0.00
1,400.00	7.97	294.47	1,396.88	28.60	-62.83	414,713.60	842,772.17	32.1363803	-103.3595023	-23.19	1.50	1.50	0.00
1,500.00	9.47	294.47	1,495.72	34.88	-76.64	414,719.88	842,758.36	32.1363979	-103.3595467	-28.29	1.50	1.50	0.00
1,600.00	10.97	294.47	1,594.13	42.23	-92.79	414,727.23	842,742.21	32.1364185	-103.3595986	-34.25	1.50	1.50	0.00
1,634.85	11.50	294.47	1,628.31	45.04	-98.97	414,730.04	842,736.03	32.1364264	-103.3596185	-36.53	1.50	1.50	0.00
1,700.00	11.50	294.47	1,692.16	50.42	-110.79	414,735.42	842,724.21	32.1364415	-103.3596565	-40.89	0.00	0.00	0.00
1,800.00	11.50	294.47	1,790.15	58.67	-128.93	414,743.67	842,706.07	32.1364646	-103.3597149	-47.59	0.00	0.00	0.00
1,900.00	11.50	294.47	1,888.15	66.93	-147.06	414,751.93	842,687.94	32.1364878	-103.3597732	-54.28	0.00	0.00	0.00
2,000.00	11.50	294.47	1,986.14	75.19	-165.20	414,760.19	842,669.80	32.1365109	-103.3598316	-60.98	0.00	0.00	0.00
2,100.00	11.50	294.47	2,084.14	83.44	-183.34	414,768.44	842,651.66	32.1365341	-103.3598899	-67.67	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,200.00	11.50	294.47	2,182.13	91.70	-201.48	414,776.70	842,633.52	32.1365572	-103.3599483	-74.37	0.00	0.00	0.00
2,300.00	11.50	294.47	2,280.12	99.95	-219.62	414,784.95	842,615.38	32.1365803	-103.3600066	-81.06	0.00	0.00	0.00
2,400.00	11.50	294.47	2,378.12	108.21	-237.76	414,793.21	842,597.24	32.1366035	-103.3600650	-87.76	0.00	0.00	0.00
2,500.00	11.50	294.47	2,476.11	116.46	-255.90	414,801.46	842,579.10	32.1366266	-103.3601233	-94.45	0.00	0.00	0.00
2,600.00	11.50	294.47	2,574.11	124.72	-274.03	414,809.72	842,560.97	32.1366498	-103.3601817	-101.15	0.00	0.00	0.00
2,700.00	11.50	294.47	2,672.10	132.97	-292.17	414,817.97	842,542.83	32.1366729	-103.3602400	-107.85	0.00	0.00	0.00
2,800.00	11.50	294.47	2,770.10	141.23	-310.31	414,826.23	842,524.69	32.1366961	-103.3602984	-114.54	0.00	0.00	0.00
2,900.00	11.50	294.47	2,868.09	149.48	-328.45	414,834.48	842,506.55	32.1367192	-103.3603567	-121.24	0.00	0.00	0.00
3,000.00	11.50	294.47	2,966.08	157.74	-346.59	414,842.74	842,488.41	32.1367423	-103.3604151	-127.93	0.00	0.00	0.00
3,100.00	11.50	294.47	3,064.08	165.99	-364.73	414,850.99	842,470.27	32.1367655	-103.3604734	-134.63	0.00	0.00	0.00
3,200.00	11.50	294.47	3,162.07	174.25	-382.87	414,859.25	842,452.13	32.1367886	-103.3605318	-141.32	0.00	0.00	0.00
3,300.00	11.50	294.47	3,260.07	182.50	-401.00	414,867.50	842,434.00	32.1368118	-103.3605902	-148.02	0.00	0.00	0.00
3,400.00	11.50	294.47	3,358.06	190.76	-419.14	414,875.76	842,415.86	32.1368349	-103.3606485	-154.71	0.00	0.00	0.00
3,500.00	11.50	294.47	3,456.05	199.01	-437.28	414,884.01	842,397.72	32.1368580	-103.3607069	-161.41	0.00	0.00	0.00
3,600.00	11.50	294.47	3,554.05	207.27	-455.42	414,892.27	842,379.58	32.1368812	-103.3607652	-168.10	0.00	0.00	0.00
3,700.00	11.50	294.47	3,652.04	215.52	-473.56	414,900.52	842,361.44	32.1369043	-103.3608236	-174.80	0.00	0.00	0.00
3,800.00	11.50	294.47	3,750.04	223.78	-491.70	414,908.78	842,343.30	32.1369275	-103.3608819	-181.49	0.00	0.00	0.00
3,900.00	11.50	294.47	3,848.03	232.03	-509.84	414,917.03	842,325.16	32.1369506	-103.3609403	-188.19	0.00	0.00	0.00
4,000.00	11.50	294.47	3,946.02	240.29	-527.97	414,925.29	842,307.03	32.1369737	-103.3609986	-194.89	0.00	0.00	0.00
4,100.00	11.50	294.47	4,044.02	248.54	-546.11	414,933.54	842,288.89	32.1369969	-103.3610570	-201.58	0.00	0.00	0.00
4,200.00	11.50	294.47	4,142.01	256.80	-564.25	414,941.80	842,270.75	32.1370200	-103.3611153	-208.28	0.00	0.00	0.00
4,300.00	11.50	294.47	4,240.01	265.05	-582.39	414,950.05	842,252.61	32.1370432	-103.3611737	-214.97	0.00	0.00	0.00
4,400.00	11.50	294.47	4,338.00	273.31	-600.53	414,958.31	842,234.47	32.1370663	-103.3612320	-221.67	0.00	0.00	0.00
4,500.00	11.50	294.47	4,435.99	281.56	-618.67	414,966.56	842,216.33	32.1370894	-103.3612904	-228.36	0.00	0.00	0.00
4,600.00	11.50	294.47	4,533.99	289.82	-636.81	414,974.82	842,198.19	32.1371126	-103.3613487	-235.06	0.00	0.00	0.00
4,700.00	11.50	294.47	4,631.98	298.08	-654.94	414,983.08	842,180.06	32.1371357	-103.3614071	-241.75	0.00	0.00	0.00
4,800.00	11.50	294.47	4,729.98	306.33	-673.08	414,991.33	842,161.92	32.1371588	-103.3614654	-248.45	0.00	0.00	0.00
4,900.00	11.50	294.47	4,827.97	314.59	-691.22	414,999.59	842,143.78	32.1371820	-103.3615238	-255.14	0.00	0.00	0.00
5,000.00	11.50	294.47	4,925.97	322.84	-709.36	415,007.84	842,125.64	32.1372051	-103.3615821	-261.84	0.00	0.00	0.00
5,100.00	11.50	294.47	5,023.96	331.10	-727.50	415,016.10	842,107.50	32.1372283	-103.3616405	-268.53	0.00	0.00	0.00
5,200.00	11.50	294.47	5,121.95	339.35	-745.64	415,024.35	842,089.36	32.1372514	-103.3616988	-275.23	0.00	0.00	0.00
5,300.00	11.50	294.47	5,219.95	347.61	-763.78	415,032.61	842,071.22	32.1372745	-103.3617572	-281.92	0.00	0.00	0.00
5,400.00	11.50	294.47	5,317.94	355.86	-781.91	415,040.86	842,053.09	32.1372977	-103.3618155	-288.62	0.00	0.00	0.00
5,500.00	11.50	294.47	5,415.94	364.12	-800.05	415,049.12	842,034.95	32.1373208	-103.3618739	-295.32	0.00	0.00	0.00
5,600.00	11.50	294.47	5,513.93	372.37	-818.19	415,057.37	842,016.81	32.1373440	-103.3619323	-302.01	0.00	0.00	0.00
5,700.00	11.50	294.47	5,611.92	380.63	-836.33	415,065.63	841,998.67	32.1373671	-103.3619906	-308.71	0.00	0.00	0.00
5,800.00	11.50	294.47	5,709.92	388.88	-854.47	415,073.88	841,980.53	32.1373902	-103.3620490	-315.40	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,905.98	11.50	294.47	5,813.78	397.63	-873.69	415,082.63	841,961.31	32.1374148	-103.3621108	-322.50	0.00	0.00	0.00
6,000.00	10.09	294.47	5,906.13	404.92	-889.71	415,089.92	841,945.29	32.1374352	-103.3621623	-328.41	1.50	-1.50	0.00
6,100.00	8.59	294.47	6,004.80	411.64	-904.48	415,096.64	841,930.52	32.1374540	-103.3622098	-333.86	1.50	-1.50	0.00
6,200.00	7.09	294.47	6,103.86	417.29	-916.88	415,102.29	841,918.12	32.1374699	-103.3622497	-338.44	1.50	-1.50	0.00
6,300.00	5.59	294.47	6,203.25	421.86	-926.93	415,106.86	841,908.07	32.1374827	-103.3622821	-342.15	1.50	-1.50	0.00
6,400.00	4.09	294.47	6,302.89	425.35	-934.60	415,110.35	841,900.40	32.1374925	-103.3623067	-344.98	1.50	-1.50	0.00
6,500.00	2.59	294.47	6,402.72	427.76	-939.89	415,112.76	841,895.11	32.1374992	-103.3623238	-346.93	1.50	-1.50	0.00
6,600.00	1.09	294.47	6,502.67	429.09	-942.81	415,114.09	841,892.19	32.1375029	-103.3623331	-348.01	1.50	-1.50	0.00
6,672.34	0.00	0.01	6,575.00	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	1.50	-1.50	0.00
6,700.00	0.00	0.00	6,602.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
6,800.00	0.00	0.00	6,702.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
6,900.00	0.00	0.00	6,802.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,000.00	0.00	0.00	6,902.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,100.00	0.00	0.00	7,002.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,200.00	0.00	0.00	7,102.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,300.00	0.00	0.00	7,202.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,400.00	0.00	0.00	7,302.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,500.00	0.00	0.00	7,402.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,600.00	0.00	0.00	7,502.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,700.00	0.00	0.00	7,602.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,800.00	0.00	0.00	7,702.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
7,900.00	0.00	0.00	7,802.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,000.00	0.00	0.00	7,902.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,100.00	0.00	0.00	8,002.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,200.00	0.00	0.00	8,102.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,300.00	0.00	0.00	8,202.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,400.00	0.00	0.00	8,302.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,500.00	0.00	0.00	8,402.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,600.00	0.00	0.00	8,502.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,700.00	0.00	0.00	8,602.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,800.00	0.00	0.00	8,702.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
8,900.00	0.00	0.00	8,802.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,000.00	0.00	0.00	8,902.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,100.00	0.00	0.00	9,002.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,200.00	0.00	0.00	9,102.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,300.00	0.00	0.00	9,202.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,400.00	0.00	0.00	9,302.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,500.00	0.00	0.00	9,402.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,600.00	0.00	0.00	9,502.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,700.00	0.00	0.00	9,602.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,800.00	0.00	0.00	9,702.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
9,900.00	0.00	0.00	9,802.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,000.00	0.00	0.00	9,902.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,100.00	0.00	0.00	10,002.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,200.00	0.00	0.00	10,102.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,300.00	0.00	0.00	10,202.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,400.00	0.00	0.00	10,302.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,500.00	0.00	0.00	10,402.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,600.00	0.00	0.00	10,502.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,700.00	0.00	0.00	10,602.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,800.00	0.00	0.00	10,702.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
10,900.00	0.00	0.00	10,802.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
11,000.00	0.00	0.00	10,902.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
11,100.00	0.00	0.00	11,002.66	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
11,175.34	0.00	0.01	11,078.00	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	0.00	0.00	0.00
11,176.40	0.11	179.51	11,079.06	429.37	-943.43	415,114.37	841,891.57	32.1375037	-103.3623351	-348.24	10.00	10.00	0.00
Junior Mint Fed 151H KOP/FTP													
11,200.00	2.47	179.51	11,102.65	428.84	-943.43	415,113.84	841,891.57	32.1375023	-103.3623351	-347.71	10.00	10.00	0.00
11,250.00	7.47	179.51	11,152.45	424.51	-943.39	415,109.51	841,891.61	32.1374904	-103.3623352	-343.40	10.00	10.00	0.00
11,300.00	12.47	179.51	11,201.68	415.86	-943.31	415,100.86	841,891.69	32.1374666	-103.3623352	-334.79	10.00	10.00	0.00
11,350.00	17.47	179.51	11,249.97	402.95	-943.20	415,087.95	841,891.80	32.1374311	-103.3623352	-321.94	10.00	10.00	0.00
11,400.00	22.47	179.51	11,296.95	385.89	-943.06	415,070.89	841,891.94	32.1373842	-103.3623352	-304.94	10.00	10.00	0.00
11,450.00	27.47	179.51	11,342.26	364.79	-942.87	415,049.79	841,892.13	32.1373262	-103.3623352	-283.94	10.00	10.00	0.00
11,500.00	32.47	179.51	11,385.56	339.83	-942.66	415,024.83	841,892.34	32.1372576	-103.3623353	-259.08	10.00	10.00	0.00
11,550.00	37.47	179.51	11,426.53	311.18	-942.41	414,996.18	841,892.59	32.1371789	-103.3623353	-230.56	10.00	10.00	0.00
11,600.00	42.47	179.51	11,464.83	279.08	-942.14	414,964.08	841,892.86	32.1370906	-103.3623353	-198.59	10.00	10.00	0.00
11,650.00	47.47	179.51	11,500.20	243.75	-941.83	414,928.75	841,893.17	32.1369935	-103.3623354	-163.42	10.00	10.00	0.00
11,700.00	52.47	179.51	11,532.35	205.48	-941.50	414,890.48	841,893.50	32.1368883	-103.3623354	-125.31	10.00	10.00	0.00
11,750.00	57.47	179.51	11,561.05	164.56	-941.15	414,849.56	841,893.85	32.1367758	-103.3623355	-84.56	10.00	10.00	0.00
11,800.00	62.47	179.51	11,586.06	121.29	-940.78	414,806.29	841,894.22	32.1366569	-103.3623356	-41.48	10.00	10.00	0.00
11,850.00	67.47	179.51	11,607.21	76.00	-940.39	414,761.00	841,894.61	32.1365324	-103.3623356	3.61	10.00	10.00	0.00
11,900.00	72.47	179.51	11,624.34	29.04	-939.98	414,714.04	841,895.02	32.1364033	-103.3623357	50.37	10.00	10.00	0.00
11,950.00	77.47	179.51	11,637.30	-19.23	-939.57	414,665.77	841,895.43	32.1362706	-103.3623357	98.44	10.00	10.00	0.00
12,000.00	82.47	179.51	11,646.01	-68.45	-939.14	414,616.55	841,895.86	32.1361354	-103.3623358	147.44	10.00	10.00	0.00
12,050.00	87.47	179.51	11,650.40	-118.24	-938.72	414,566.76	841,896.28	32.1359985	-103.3623359	197.02	10.00	10.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,070.38	89.50	179.51	11,650.94	-138.60	-938.54	414,546.40	841,896.46	32.1359425	-103.3623359	217.30	10.00	10.00	0.00
12,100.00	89.50	179.51	11,651.19	-168.23	-938.29	414,516.77	841,896.71	32.1358611	-103.3623359	246.79	0.00	0.00	0.00
12,200.00	89.50	179.51	11,652.06	-268.22	-937.43	414,416.78	841,897.57	32.1355862	-103.3623361	346.36	0.00	0.00	0.00
12,300.00	89.50	179.51	11,652.93	-368.21	-936.56	414,316.79	841,898.44	32.1353114	-103.3623362	445.92	0.00	0.00	0.00
12,400.00	89.50	179.51	11,653.79	-468.20	-935.70	414,216.80	841,899.30	32.1350365	-103.3623363	545.48	0.00	0.00	0.00
12,500.00	89.50	179.51	11,654.66	-568.20	-934.84	414,116.80	841,900.16	32.1347617	-103.3623365	645.05	0.00	0.00	0.00
12,600.00	89.50	179.51	11,655.52	-668.19	-933.98	414,016.81	841,901.02	32.1344868	-103.3623366	744.61	0.00	0.00	0.00
12,700.00	89.50	179.51	11,656.39	-768.18	-933.12	413,916.82	841,901.88	32.1342119	-103.3623367	844.17	0.00	0.00	0.00
12,800.00	89.50	179.51	11,657.26	-868.17	-932.26	413,816.83	841,902.74	32.1339371	-103.3623369	943.74	0.00	0.00	0.00
12,900.00	89.50	179.51	11,658.12	-968.17	-931.40	413,716.83	841,903.60	32.1336622	-103.3623370	1,043.30	0.00	0.00	0.00
13,000.00	89.50	179.51	11,658.99	-1,068.16	-930.54	413,616.84	841,904.46	32.1333874	-103.3623371	1,142.86	0.00	0.00	0.00
13,100.00	89.50	179.51	11,659.85	-1,168.15	-929.68	413,516.85	841,905.32	32.1331125	-103.3623372	1,242.43	0.00	0.00	0.00
13,200.00	89.50	179.51	11,660.72	-1,268.14	-928.82	413,416.86	841,906.18	32.1328377	-103.3623374	1,341.99	0.00	0.00	0.00
13,300.00	89.50	179.51	11,661.59	-1,368.14	-927.96	413,316.86	841,907.04	32.1325628	-103.3623375	1,441.55	0.00	0.00	0.00
13,400.00	89.50	179.51	11,662.45	-1,468.13	-927.10	413,216.87	841,907.90	32.1322880	-103.3623376	1,541.12	0.00	0.00	0.00
13,500.00	89.50	179.51	11,663.32	-1,568.12	-926.24	413,116.88	841,908.76	32.1320131	-103.3623378	1,640.68	0.00	0.00	0.00
13,600.00	89.50	179.51	11,664.18	-1,668.11	-925.37	413,016.89	841,909.63	32.1317382	-103.3623379	1,740.24	0.00	0.00	0.00
13,700.00	89.50	179.51	11,665.05	-1,768.11	-924.51	412,916.89	841,910.49	32.1314634	-103.3623380	1,839.81	0.00	0.00	0.00
13,800.00	89.50	179.51	11,665.92	-1,868.10	-923.65	412,816.90	841,911.35	32.1311885	-103.3623382	1,939.37	0.00	0.00	0.00
13,900.00	89.50	179.51	11,666.78	-1,968.09	-922.79	412,716.91	841,912.21	32.1309137	-103.3623383	2,038.93	0.00	0.00	0.00
14,000.00	89.50	179.51	11,667.65	-2,068.08	-921.93	412,616.92	841,913.07	32.1306388	-103.3623384	2,138.50	0.00	0.00	0.00
14,100.00	89.50	179.51	11,668.51	-2,168.08	-921.07	412,516.92	841,913.93	32.1303640	-103.3623386	2,238.06	0.00	0.00	0.00
14,200.00	89.50	179.51	11,669.38	-2,268.07	-920.21	412,416.93	841,914.79	32.1300891	-103.3623387	2,337.62	0.00	0.00	0.00
14,300.00	89.50	179.51	11,670.24	-2,368.06	-919.35	412,316.94	841,915.65	32.1298143	-103.3623388	2,437.19	0.00	0.00	0.00
14,400.00	89.50	179.51	11,671.11	-2,468.05	-918.49	412,216.95	841,916.51	32.1295394	-103.3623390	2,536.75	0.00	0.00	0.00
14,500.00	89.50	179.51	11,671.98	-2,568.05	-917.63	412,116.95	841,917.37	32.1292645	-103.3623391	2,636.31	0.00	0.00	0.00
14,600.00	89.50	179.51	11,672.84	-2,668.04	-916.77	412,016.96	841,918.23	32.1289897	-103.3623392	2,735.88	0.00	0.00	0.00
14,700.00	89.50	179.51	11,673.71	-2,768.03	-915.91	411,916.97	841,919.09	32.1287148	-103.3623393	2,835.44	0.00	0.00	0.00
14,800.00	89.50	179.51	11,674.57	-2,868.02	-915.05	411,816.98	841,919.95	32.1284400	-103.3623395	2,935.00	0.00	0.00	0.00
14,900.00	89.50	179.51	11,675.44	-2,968.02	-914.19	411,716.98	841,920.81	32.1281651	-103.3623396	3,034.57	0.00	0.00	0.00
15,000.00	89.50	179.51	11,676.31	-3,068.01	-913.32	411,616.99	841,921.68	32.1278903	-103.3623397	3,134.13	0.00	0.00	0.00
15,100.00	89.50	179.51	11,677.17	-3,168.00	-912.46	411,517.00	841,922.54	32.1276154	-103.3623399	3,233.69	0.00	0.00	0.00
15,200.00	89.50	179.51	11,678.04	-3,267.99	-911.60	411,417.01	841,923.40	32.1273405	-103.3623400	3,333.26	0.00	0.00	0.00
15,300.00	89.50	179.51	11,678.90	-3,367.99	-910.74	411,317.01	841,924.26	32.1270657	-103.3623401	3,432.82	0.00	0.00	0.00
15,400.00	89.50	179.51	11,679.77	-3,467.98	-909.88	411,217.02	841,925.12	32.1267908	-103.3623403	3,532.38	0.00	0.00	0.00
15,500.00	89.50	179.51	11,680.64	-3,567.97	-909.02	411,117.03	841,925.98	32.1265160	-103.3623404	3,631.95	0.00	0.00	0.00
15,600.00	89.50	179.51	11,681.50	-3,667.96	-908.16	411,017.04	841,926.84	32.1262411	-103.3623405	3,731.51	0.00	0.00	0.00
15,700.00	89.50	179.51	11,682.37	-3,767.96	-907.30	410,917.04	841,927.70	32.1259663	-103.3623407	3,831.07	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,800.00	89.50	179.51	11,683.23	-3,867.95	-906.44	410,817.05	841,928.56	32.1256914	-103.3623408	3,930.64	0.00	0.00	0.00
15,900.00	89.50	179.51	11,684.10	-3,967.94	-905.58	410,717.06	841,929.42	32.1254166	-103.3623409	4,030.20	0.00	0.00	0.00
16,000.00	89.50	179.51	11,684.97	-4,067.93	-904.72	410,617.07	841,930.28	32.1251417	-103.3623410	4,129.76	0.00	0.00	0.00
16,100.00	89.50	179.51	11,685.83	-4,167.93	-903.86	410,517.07	841,931.14	32.1248668	-103.3623412	4,229.33	0.00	0.00	0.00
16,200.00	89.50	179.51	11,686.70	-4,267.92	-903.00	410,417.08	841,932.00	32.1245920	-103.3623413	4,328.89	0.00	0.00	0.00
16,300.00	89.50	179.51	11,687.56	-4,367.91	-902.14	410,317.09	841,932.86	32.1243171	-103.3623414	4,428.45	0.00	0.00	0.00
16,400.00	89.50	179.51	11,688.43	-4,467.91	-901.27	410,217.09	841,933.73	32.1240423	-103.3623416	4,528.02	0.00	0.00	0.00
16,500.00	89.50	179.51	11,689.30	-4,567.90	-900.41	410,117.10	841,934.59	32.1237674	-103.3623417	4,627.58	0.00	0.00	0.00
16,600.00	89.50	179.51	11,690.16	-4,667.89	-899.55	410,017.11	841,935.45	32.1234926	-103.3623418	4,727.14	0.00	0.00	0.00
16,700.00	89.50	179.51	11,691.03	-4,767.88	-898.69	409,917.12	841,936.31	32.1232177	-103.3623420	4,826.71	0.00	0.00	0.00
16,800.00	89.50	179.51	11,691.89	-4,867.88	-897.83	409,817.12	841,937.17	32.1229429	-103.3623421	4,926.27	0.00	0.00	0.00
16,900.00	89.50	179.51	11,692.76	-4,967.87	-896.97	409,717.13	841,938.03	32.1226680	-103.3623422	5,025.83	0.00	0.00	0.00
17,000.00	89.50	179.51	11,693.63	-5,067.86	-896.11	409,617.14	841,938.89	32.1223931	-103.3623424	5,125.40	0.00	0.00	0.00
17,100.00	89.50	179.51	11,694.49	-5,167.85	-895.25	409,517.15	841,939.75	32.1221183	-103.3623425	5,224.96	0.00	0.00	0.00
17,200.00	89.50	179.51	11,695.36	-5,267.85	-894.39	409,417.15	841,940.61	32.1218434	-103.3623426	5,324.52	0.00	0.00	0.00
17,300.00	89.50	179.51	11,696.22	-5,367.84	-893.53	409,317.16	841,941.47	32.1215686	-103.3623427	5,424.09	0.00	0.00	0.00
17,400.00	89.50	179.51	11,697.09	-5,467.83	-892.67	409,217.17	841,942.33	32.1212937	-103.3623429	5,523.65	0.00	0.00	0.00
17,500.00	89.50	179.51	11,697.96	-5,567.82	-891.81	409,117.18	841,943.19	32.1210189	-103.3623430	5,623.21	0.00	0.00	0.00
17,600.00	89.50	179.51	11,698.82	-5,667.82	-890.95	409,017.18	841,944.05	32.1207440	-103.3623431	5,722.78	0.00	0.00	0.00
17,700.00	89.50	179.51	11,699.69	-5,767.81	-890.08	408,917.19	841,944.92	32.1204691	-103.3623433	5,822.34	0.00	0.00	0.00
17,800.00	89.50	179.51	11,700.55	-5,867.80	-889.22	408,817.20	841,945.78	32.1201943	-103.3623434	5,921.90	0.00	0.00	0.00
17,900.00	89.50	179.51	11,701.42	-5,967.79	-888.36	408,717.21	841,946.64	32.1199194	-103.3623435	6,021.47	0.00	0.00	0.00
18,000.00	89.50	179.51	11,702.29	-6,067.79	-887.50	408,617.21	841,947.50	32.1196446	-103.3623437	6,121.03	0.00	0.00	0.00
18,100.00	89.50	179.51	11,703.15	-6,167.78	-886.64	408,517.22	841,948.36	32.1193697	-103.3623438	6,220.59	0.00	0.00	0.00
18,200.00	89.50	179.51	11,704.02	-6,267.77	-885.78	408,417.23	841,949.22	32.1190949	-103.3623439	6,320.16	0.00	0.00	0.00
18,300.00	89.50	179.51	11,704.88	-6,367.76	-884.92	408,317.24	841,950.08	32.1188200	-103.3623441	6,419.72	0.00	0.00	0.00
18,400.00	89.50	179.51	11,705.75	-6,467.76	-884.06	408,217.24	841,950.94	32.1185451	-103.3623442	6,519.28	0.00	0.00	0.00
18,500.00	89.50	179.51	11,706.62	-6,567.75	-883.20	408,117.25	841,951.80	32.1182703	-103.3623443	6,618.85	0.00	0.00	0.00
18,600.00	89.50	179.51	11,707.48	-6,667.74	-882.34	408,017.26	841,952.66	32.1179954	-103.3623444	6,718.41	0.00	0.00	0.00
18,700.00	89.50	179.51	11,708.35	-6,767.73	-881.48	407,917.27	841,953.52	32.1177206	-103.3623446	6,817.97	0.00	0.00	0.00
18,800.00	89.50	179.51	11,709.21	-6,867.73	-880.62	407,817.27	841,954.38	32.1174457	-103.3623447	6,917.54	0.00	0.00	0.00
18,900.00	89.50	179.51	11,710.08	-6,967.72	-879.76	407,717.28	841,955.24	32.1171709	-103.3623448	7,017.10	0.00	0.00	0.00
19,000.00	89.50	179.51	11,710.95	-7,067.71	-878.90	407,617.29	841,956.10	32.1168960	-103.3623450	7,116.66	0.00	0.00	0.00
19,100.00	89.50	179.51	11,711.81	-7,167.70	-878.03	407,517.30	841,956.97	32.1166212	-103.3623451	7,216.23	0.00	0.00	0.00
19,200.00	89.50	179.51	11,712.68	-7,267.70	-877.17	407,417.30	841,957.83	32.1163463	-103.3623452	7,315.79	0.00	0.00	0.00
19,300.00	89.50	179.51	11,713.54	-7,367.69	-876.31	407,317.31	841,958.69	32.1160714	-103.3623454	7,415.35	0.00	0.00	0.00
19,400.00	89.50	179.51	11,714.41	-7,467.68	-875.45	407,217.32	841,959.55	32.1157966	-103.3623455	7,514.92	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,500.00	89.50	179.51	11,715.28	-7,567.67	-874.59	407,117.33	841,960.41	32.1155217	-103.3623456	7,614.48	0.00	0.00	0.00
19,600.00	89.50	179.51	11,716.14	-7,667.67	-873.73	407,017.33	841,961.27	32.1152469	-103.3623457	7,714.05	0.00	0.00	0.00
19,700.00	89.50	179.51	11,717.01	-7,767.66	-872.87	406,917.34	841,962.13	32.1149720	-103.3623459	7,813.61	0.00	0.00	0.00
19,800.00	89.50	179.51	11,717.87	-7,867.65	-872.01	406,817.35	841,962.99	32.1146972	-103.3623460	7,913.17	0.00	0.00	0.00
19,900.00	89.50	179.51	11,718.74	-7,967.64	-871.15	406,717.36	841,963.85	32.1144223	-103.3623461	8,012.74	0.00	0.00	0.00
20,000.00	89.50	179.51	11,719.61	-8,067.64	-870.29	406,617.36	841,964.71	32.1141474	-103.3623463	8,112.30	0.00	0.00	0.00
20,100.00	89.50	179.51	11,720.47	-8,167.63	-869.43	406,517.37	841,965.57	32.1138726	-103.3623464	8,211.86	0.00	0.00	0.00
20,200.00	89.50	179.51	11,721.34	-8,267.62	-868.57	406,417.38	841,966.43	32.1135977	-103.3623465	8,311.43	0.00	0.00	0.00
20,300.00	89.50	179.51	11,722.20	-8,367.61	-867.71	406,317.39	841,967.29	32.1133229	-103.3623467	8,410.99	0.00	0.00	0.00
20,400.00	89.50	179.51	11,723.07	-8,467.61	-866.85	406,217.39	841,968.15	32.1130480	-103.3623468	8,510.55	0.00	0.00	0.00
20,500.00	89.50	179.51	11,723.94	-8,567.60	-865.98	406,117.40	841,969.02	32.1127732	-103.3623469	8,610.12	0.00	0.00	0.00
20,600.00	89.50	179.51	11,724.80	-8,667.59	-865.12	406,017.41	841,969.88	32.1124983	-103.3623470	8,709.68	0.00	0.00	0.00
20,700.00	89.50	179.51	11,725.67	-8,767.58	-864.26	405,917.42	841,970.74	32.1122234	-103.3623472	8,809.24	0.00	0.00	0.00
20,800.00	89.50	179.51	11,726.53	-8,867.58	-863.40	405,817.42	841,971.60	32.1119486	-103.3623473	8,908.81	0.00	0.00	0.00
20,900.00	89.50	179.51	11,727.40	-8,967.57	-862.54	405,717.43	841,972.46	32.1116737	-103.3623474	9,008.37	0.00	0.00	0.00
21,000.00	89.50	179.51	11,728.27	-9,067.56	-861.68	405,617.44	841,973.32	32.1113989	-103.3623476	9,107.93	0.00	0.00	0.00
21,100.00	89.50	179.51	11,729.13	-9,167.55	-860.82	405,517.45	841,974.18	32.1111240	-103.3623477	9,207.50	0.00	0.00	0.00
21,200.00	89.50	179.51	11,730.00	-9,267.55	-859.96	405,417.45	841,975.04	32.1108492	-103.3623478	9,307.06	0.00	0.00	0.00
21,300.00	89.50	179.51	11,730.86	-9,367.54	-859.10	405,317.46	841,975.90	32.1105743	-103.3623479	9,406.62	0.00	0.00	0.00
21,400.00	89.50	179.51	11,731.73	-9,467.53	-858.24	405,217.47	841,976.76	32.1102994	-103.3623481	9,506.19	0.00	0.00	0.00
21,500.00	89.50	179.51	11,732.60	-9,567.53	-857.38	405,117.48	841,977.62	32.1100246	-103.3623482	9,605.75	0.00	0.00	0.00
21,600.00	89.50	179.51	11,733.46	-9,667.52	-856.52	405,017.48	841,978.48	32.1097497	-103.3623483	9,705.31	0.00	0.00	0.00
21,700.00	89.50	179.51	11,734.33	-9,767.51	-855.66	404,917.49	841,979.34	32.1094749	-103.3623485	9,804.88	0.00	0.00	0.00
21,800.00	89.50	179.51	11,735.19	-9,867.50	-854.79	404,817.50	841,980.21	32.1092000	-103.3623486	9,904.44	0.00	0.00	0.00
21,900.00	89.50	179.51	11,736.06	-9,967.50	-853.93	404,717.50	841,981.07	32.1089252	-103.3623487	10,004.00	0.00	0.00	0.00
Junior Mint Fed 151H LTP													
22,008.51	89.50	179.51	11,737.00	-10,076.00	-853.00	404,609.00	841,982.00	32.1086269	-103.3623489	10,112.04	0.00	0.00	0.00
Junior Mint Fed 151H BHL													

Total Directional

Planned Survey Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 151H	**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 151H - plan misses target center by 49.37usft at 11175.38usft MD (11078.05 TVD, 429.37 N, -943.43 E) - Point	0.00	0.01	11,078.00	380.00	-943.00	415,065.00	841,892.00	32.1373680	-103.3623352
Junior Mint Fed 151H - plan misses target center by 13.51usft at 21900.00usft MD (11736.06 TVD, -9967.50 N, -853.93 E) - Point	0.00	0.01	11,736.50	-9,981.00	-854.00	404,704.00	841,981.00	32.1088880	-103.3623493
Junior Mint Fed 151H - plan hits target center - Point	0.00	0.01	11,737.00	-10,076.00	-853.00	404,609.00	841,982.00	32.1086269	-103.3623489

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 151H

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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 151H

Well Position	**+N/-S**	0.00 usft	**Northing:**	414,685.00 usft	**Latitude:**	32.1363002
	+E/-W	0.00 usft	**Easting:**	842,835.00 usft	**Longitude:**	-103.3593001
Position Uncertainty		0.50 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,221.00 usft
Grid Convergence:		0.52 °				

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,008.51	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 135H -	3,220.00	3,246.00	414,660.00	842,835.00	32.1362315	-103.3593009	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 152H -	3,220.00	3,246.00	414,870.00	842,835.00	32.1368087	-103.3592947	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 215H -	3,220.00	3,246.00	414,685.00	842,810.00	32.1363008	-103.3593809	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

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	1,515.58	1,511.67	701.72	691.84	71.07	CC
(O) Montera Federal 023H - OH - OH	1,600.00	1,594.46	701.85	691.50	67.82	ES
(O) Montera Federal 023H - OH - OH	11,350.00	11,311.33	1,211.19	1,153.09	20.85	SF
(O) Montera Federal Com 601H - OH - OH	11,041.80	10,960.62	190.07	132.69	3.31	CC, ES
(O) Montera Federal Com 601H - OH - OH	11,100.00	11,014.57	190.71	133.10	3.31	SF
Junior Mint Fed 131H - OH - Plan 1	500.00	500.00	50.00	44.73	9.49	CC
Junior Mint Fed 131H - OH - Plan 1	600.00	599.99	50.56	44.73	8.67	ES
Junior Mint Fed 131H - OH - Plan 1	11,250.00	11,251.91	114.11	77.19	3.09	SF
Junior Mint Fed 132H - OH - Plan 1	928.83	924.28	128.62	121.33	17.66	CC, ES
Junior Mint Fed 132H - OH - Plan 1	22,008.51	22,426.10	1,511.16	1,242.49	5.62	SF
Junior Mint Fed 135H - OH - Plan 1	500.00	499.00	25.00	19.73	4.75	CC, ES
Junior Mint Fed 135H - OH - Plan 1	22,008.51	22,408.81	907.90	661.98	3.69	SF
Junior Mint Fed 137H - OH - Plan 1	300.00	299.00	160.00	156.04	40.42	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	398.00	160.31	155.66	34.45	ES
Junior Mint Fed 137H - OH - Plan 1	22,008.51	22,511.70	2,147.86	1,872.70	7.81	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	299.00	185.00	181.04	46.74	CC
Junior Mint Fed 152H - OH - Plan 1	400.00	396.37	185.70	181.03	39.76	ES
Junior Mint Fed 152H - OH - Plan 1	22,008.51	21,935.47	1,320.06	1,039.11	4.70	SF
Junior Mint Fed 211H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC
Junior Mint Fed 211H - OH - Plan 1	400.00	399.63	35.87	31.20	7.68	ES
Junior Mint Fed 211H - OH - Plan 1	1,800.00	1,794.19	45.25	34.26	4.12	SF
Junior Mint Fed 212H - OH - Plan 1	1,528.71	1,523.02	135.27	125.61	14.00	CC, ES
Junior Mint Fed 212H - OH - Plan 1	22,008.51	22,790.27	1,444.06	1,209.00	6.14	SF
Junior Mint Fed 215H - OH - Plan 1	300.00	299.00	25.00	21.04	6.32	CC, ES
Junior Mint Fed 215H - OH - Plan 1	1,300.00	1,295.43	38.96	29.73	4.22	SF
Junior Mint Fed 217H - OH - Plan 1	1,318.10	1,312.84	165.88	157.15	19.00	CC, ES
Junior Mint Fed 217H - OH - Plan 1	22,008.51	22,870.72	2,054.60	1,794.90	7.91	SF
Junior Mint Fed 221H - OH - Plan 1	1,384.85	1,386.91	43.65	34.38	4.71	CC
Junior Mint Fed 221H - OH - Plan 1	1,400.00	1,402.02	43.68	34.33	4.67	ES
Junior Mint Fed 221H - OH - Plan 1	1,500.00	1,501.68	45.56	35.70	4.62	SF
Junior Mint Fed 222H - OH - Plan 1	1,465.49	1,460.66	112.52	103.10	11.95	CC, ES
Junior Mint Fed 222H - OH - Plan 1	22,008.51	23,175.51	1,914.45	1,685.31	8.35	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	3.10	3.10	0.50	0.00	17.12	678.56	209.06	710.03				
100.00	100.00	106.13	106.13	0.98	0.15	17.12	678.33	208.96	709.80	708.67	1.13	629.734	
200.00	200.00	205.93	205.93	1.56	0.50	17.12	677.98	208.86	709.43	707.37	2.06	344.888	
300.00	300.00	307.32	307.32	1.98	0.85	17.12	677.51	208.65	708.92	706.09	2.83	250.284	
400.00	400.00	407.73	407.73	2.33	1.20	17.11	676.91	208.32	708.25	704.72	3.53	200.482	
500.00	500.00	508.08	508.07	2.63	1.55	17.06	676.46	207.54	707.60	703.41	4.19	168.914	
600.00	599.99	608.59	608.57	2.98	1.91	82.62	676.04	206.29	706.67	701.85	4.81	146.782	
700.00	699.91	707.73	707.70	3.29	2.25	82.87	675.62	205.07	705.41	699.99	5.41	130.362	
800.00	799.69	802.54	802.51	3.58	2.59	83.31	675.64	204.08	704.32	698.34	5.98	117.831	
833.33	832.91	833.46	833.42	3.60	2.69	83.49	675.81	203.76	704.07	697.96	6.11	115.256	
900.00	899.32	898.31	898.27	3.70	2.92	83.89	676.34	203.21	703.77	697.34	6.43	109.506	
1,000.00	998.94	997.74	997.69	3.92	3.27	84.52	677.16	202.53	703.44	696.45	7.00	100.559	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
1,100.00	1,098.56	1,099.07	1,099.02	4.14	3.62	85.16	677.92	201.77	703.12	695.56	7.56	92.961	
1,200.00	1,198.18	1,199.11	1,199.06	4.36	3.97	85.78	678.62	200.89	702.79	694.66	8.13	86.485	
1,201.83	1,200.00	1,200.98	1,200.93	4.36	3.98	85.79	678.63	200.87	702.78	694.65	8.14	86.374	
1,300.00	1,297.68	1,299.70	1,299.63	4.60	4.32	86.51	679.19	199.91	702.31	693.63	8.68	80.921	
1,400.00	1,396.88	1,397.72	1,397.65	4.86	4.67	87.44	679.82	199.15	701.95	692.72	9.23	76.062	
1,500.00	1,495.72	1,496.52	1,496.44	5.10	5.01	88.60	680.41	198.48	701.72	691.94	9.79	71.705	
1,515.58	1,511.08	1,511.67	1,511.60	5.14	5.07	88.80	680.51	198.40	701.72	691.84	9.87	71.070	CC
1,600.00	1,594.13	1,594.46	1,594.39	5.35	5.35	89.96	681.01	197.98	701.85	691.50	10.35	67.818	ES
1,634.85	1,628.31	1,627.87	1,627.79	5.39	5.47	90.47	681.23	197.85	702.03	691.52	10.51	66.801	
1,700.00	1,692.16	1,690.81	1,690.73	5.49	5.69	91.47	681.74	197.69	702.67	691.82	10.84	64.814	
1,800.00	1,790.15	1,788.29	1,788.21	5.70	6.03	93.02	682.52	197.67	704.18	692.76	11.42	61.664	
1,900.00	1,888.15	1,885.56	1,885.48	5.90	6.37	94.57	683.26	197.79	706.27	694.27	12.00	58.855	
2,000.00	1,986.14	1,983.00	1,982.92	6.11	6.71	96.13	683.99	198.14	709.02	696.43	12.58	56.344	
2,100.00	2,084.14	2,081.52	2,081.43	6.32	7.05	97.71	684.68	198.62	712.33	699.16	13.17	54.074	
2,200.00	2,182.13	2,179.18	2,179.09	6.53	7.39	99.26	685.37	199.10	716.20	702.44	13.76	52.046	
2,300.00	2,280.12	2,275.00	2,274.90	6.75	7.73	100.78	685.96	199.91	720.75	706.40	14.34	50.251	
2,400.00	2,378.12	2,371.00	2,370.89	6.97	8.06	102.31	686.65	201.10	726.15	711.23	14.93	48.650	
2,500.00	2,476.11	2,465.60	2,465.48	7.20	8.39	103.81	687.46	202.56	732.40	716.89	15.50	47.241	
2,600.00	2,574.11	2,558.27	2,558.12	7.44	8.72	105.26	688.53	204.41	739.70	723.63	16.07	46.023	
2,700.00	2,672.10	2,652.54	2,652.35	7.69	9.05	106.71	690.01	206.68	748.10	731.46	16.65	44.940	
2,800.00	2,770.10	2,750.00	2,749.76	7.94	9.39	108.18	691.81	209.19	757.34	740.11	17.23	43.946	
2,900.00	2,868.09	2,840.83	2,840.55	8.20	9.71	109.56	692.52	211.51	766.41	748.62	17.79	43.080	
3,000.00	2,966.08	2,935.39	2,935.02	8.46	10.05	110.90	695.17	214.57	777.75	759.39	18.36	42.358	
3,100.00	3,064.08	3,038.61	3,038.14	8.72	10.42	112.35	697.72	218.20	789.54	770.57	18.97	41.619	
3,200.00	3,162.07	3,138.99	3,138.45	8.98	10.77	113.82	698.61	221.98	800.94	781.37	19.57	40.935	
3,300.00	3,260.07	3,234.42	3,233.80	9.25	11.11	115.17	699.57	225.54	812.87	792.74	20.14	40.366	
3,400.00	3,358.06	3,346.81	3,346.13	9.51	11.51	116.69	700.59	229.19	824.92	804.13	20.78	39.692	
3,500.00	3,456.05	3,449.17	3,448.47	9.77	11.87	118.02	700.63	231.03	835.69	814.30	21.38	39.084	
3,600.00	3,554.05	3,552.72	3,552.02	10.04	12.23	119.31	700.65	232.12	846.26	824.28	21.98	38.494	
3,700.00	3,652.04	3,650.78	3,650.08	10.31	12.57	120.47	700.76	232.69	856.90	834.33	22.56	37.979	
3,800.00	3,750.04	3,750.74	3,750.03	10.57	12.92	121.62	700.84	233.06	867.68	844.53	23.15	37.485	
3,900.00	3,848.03	3,842.61	3,841.90	10.84	13.24	122.66	700.88	233.64	879.01	855.31	23.70	37.093	
4,000.00	3,946.02	3,922.55	3,921.82	11.11	13.52	123.58	701.10	235.39	892.09	867.90	24.19	36.878	
4,100.00	4,044.02	4,002.43	4,001.61	11.37	13.80	124.56	700.99	239.19	907.46	882.78	24.67	36.780	
4,200.00	4,142.01	4,091.97	4,090.95	11.64	14.13	125.69	700.59	245.12	924.64	899.44	25.20	36.696	
4,300.00	4,240.01	4,196.42	4,195.10	11.91	14.51	127.06	698.76	252.84	942.34	916.54	25.80	36.527	
4,400.00	4,338.00	4,369.62	4,367.78	12.18	15.12	129.42	689.79	261.58	957.81	931.12	26.69	35.887	
4,500.00	4,435.99	4,489.74	4,487.72	12.45	15.54	130.68	684.92	257.77	966.03	938.70	27.32	35.354	
4,600.00	4,533.99	4,564.55	4,562.41	12.72	15.81	131.20	686.07	254.04	975.33	947.51	27.82	35.060	
4,700.00	4,631.98	4,625.00	4,622.76	12.99	16.02	131.54	688.83	251.97	987.59	959.35	28.24	34.971	
4,800.00	4,729.98	4,683.20	4,680.89	13.26	16.22	131.91	691.52	252.59	1,003.97	975.36	28.61	35.088	
4,900.00	4,827.97	4,744.75	4,742.27	13.53	16.45	132.41	693.61	256.50	1,024.55	995.59	28.97	35.370	
5,000.00	4,925.97	4,823.47	4,820.59	13.80	16.75	133.15	695.09	264.23	1,047.95	1,018.54	29.41	35.636	
5,100.00	5,023.96	5,001.78	4,998.24	14.07	17.40	135.10	689.73	277.94	1,067.88	1,037.46	30.42	35.108	
5,200.00	5,121.95	5,136.87	5,133.17	14.34	17.87	136.44	684.19	280.90	1,082.94	1,051.80	31.14	34.777	
5,300.00	5,219.95	5,259.73	5,255.96	14.61	18.30	137.46	680.93	279.24	1,095.48	1,063.69	31.79	34.461	
5,400.00	5,317.94	5,357.21	5,353.40	14.88	18.64	138.16	679.87	276.44	1,107.32	1,074.98	32.34	34.236	
5,500.00	5,415.94	5,456.07	5,452.22	15.15	18.99	138.83	679.04	273.62	1,119.40	1,086.50	32.90	34.020	
5,600.00	5,513.93	5,552.35	5,548.46	15.42	19.33	139.47	678.31	270.92	1,131.71	1,098.26	33.45	33.829	
5,700.00	5,611.92	5,643.74	5,639.82	15.69	19.66	140.08	677.61	268.78	1,144.59	1,110.61	33.98	33.680	
5,800.00	5,709.92	5,738.81	5,734.87	15.96	19.99	140.69	676.94	267.03	1,158.11	1,123.58	34.53	33.541	
5,900.00	5,807.91	5,835.70	5,831.75	16.24	20.33	141.31	676.18	265.39	1,171.89	1,136.81	35.08	33.404	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
5,905.98	5,813.78	5,840.67	5,836.72	16.26	20.35	141.35	676.14	265.31	1,172.73	1,137.62	35.11	33.399	
6,000.00	5,906.13	5,932.77	5,928.80	16.50	20.67	142.00	675.55	263.96	1,185.15	1,149.52	35.63	33.262	
6,100.00	6,004.80	6,028.75	6,024.77	16.73	21.01	142.58	675.00	262.56	1,196.50	1,160.33	36.17	33.082	
6,200.00	6,103.86	6,128.58	6,124.59	16.93	21.35	143.08	674.24	261.17	1,205.88	1,169.17	36.71	32.851	
6,300.00	6,203.25	6,226.65	6,222.65	17.11	21.70	143.48	673.26	260.03	1,213.40	1,176.17	37.23	32.593	
6,400.00	6,302.89	6,324.24	6,320.22	17.27	22.04	143.81	672.15	259.11	1,219.03	1,181.30	37.73	32.306	
6,500.00	6,402.72	6,421.82	6,417.80	17.39	22.38	144.03	671.18	258.35	1,222.78	1,184.55	38.23	31.989	
6,600.00	6,502.67	6,519.08	6,515.05	17.49	22.71	144.17	670.33	257.70	1,224.55	1,185.85	38.70	31.644	
6,672.34	6,575.00	6,591.23	6,587.20	17.53	22.96	78.68	669.81	257.29	1,224.60	1,185.60	39.00	31.400	
6,700.00	6,602.66	6,618.35	6,614.32	17.54	23.06	78.68	669.60	257.13	1,224.39	1,185.29	39.10	31.315	
6,800.00	6,702.66	6,719.60	6,715.56	17.60	23.41	78.71	668.86	256.63	1,223.76	1,184.25	39.51	30.973	
6,900.00	6,802.66	6,817.26	6,813.22	17.66	23.75	78.74	668.14	256.11	1,223.09	1,183.19	39.91	30.650	
7,000.00	6,902.66	6,915.33	6,911.29	17.71	24.09	78.77	667.47	255.69	1,222.54	1,182.24	40.30	30.333	
7,100.00	7,002.66	7,012.91	7,008.86	17.77	24.43	78.79	666.91	255.50	1,222.24	1,181.54	40.70	30.031	
7,200.00	7,102.66	7,112.12	7,108.07	17.83	24.77	78.82	666.38	255.33	1,221.96	1,180.86	41.10	29.730	
7,300.00	7,202.66	7,210.82	7,206.77	17.89	25.11	78.85	665.71	255.19	1,221.70	1,180.19	41.50	29.436	
7,400.00	7,302.66	7,309.56	7,305.50	17.95	25.46	78.87	665.10	255.24	1,221.63	1,179.72	41.91	29.152	
7,435.80	7,338.46	7,346.90	7,342.84	17.97	25.59	78.88	664.96	255.25	1,221.61	1,179.55	42.06	29.046	
7,451.30	7,353.96	7,361.02	7,356.97	17.98	25.64	78.88	664.88	255.25	1,221.60	1,179.48	42.11	29.006	
7,500.00	7,402.66	7,408.90	7,404.85	18.01	25.80	78.89	664.69	255.33	1,221.64	1,179.33	42.31	28.874	
7,600.00	7,502.66	7,504.63	7,500.58	18.07	26.13	78.91	664.42	255.57	1,221.84	1,179.14	42.70	28.615	
7,700.00	7,602.66	7,608.14	7,604.09	18.13	26.49	78.92	664.29	255.87	1,222.10	1,178.97	43.12	28.341	
7,800.00	7,702.66	7,705.77	7,701.71	18.19	26.83	78.92	664.28	256.13	1,222.35	1,178.84	43.52	28.088	
7,900.00	7,802.66	7,802.94	7,798.88	18.25	27.17	78.92	664.42	256.46	1,222.71	1,178.80	43.91	27.843	
8,000.00	7,902.66	7,904.44	7,900.38	18.31	27.52	78.90	664.95	256.93	1,223.27	1,178.94	44.33	27.594	
8,100.00	8,002.66	8,000.00	7,995.94	18.37	27.86	78.88	665.39	257.37	1,223.81	1,179.09	44.72	27.366	
8,200.00	8,102.66	8,098.16	8,094.09	18.43	28.20	78.85	666.11	258.08	1,224.66	1,179.54	45.12	27.141	
8,300.00	8,202.66	8,198.48	8,194.41	18.50	28.55	78.83	666.85	258.83	1,225.54	1,180.00	45.53	26.915	
8,400.00	8,302.66	8,297.96	8,293.88	18.56	28.89	78.80	667.64	259.58	1,226.44	1,180.50	45.94	26.695	
8,500.00	8,402.66	8,396.39	8,392.31	18.62	29.24	78.76	668.54	260.43	1,227.46	1,181.12	46.35	26.485	
8,600.00	8,502.66	8,495.96	8,491.87	18.68	29.59	78.73	669.49	261.33	1,228.54	1,181.78	46.76	26.276	
8,700.00	8,602.66	8,594.45	8,590.35	18.74	29.93	78.69	670.53	262.31	1,229.71	1,182.55	47.16	26.075	
8,800.00	8,702.66	8,696.17	8,692.06	18.80	30.29	78.66	671.46	263.33	1,230.88	1,183.30	47.58	25.870	
8,900.00	8,802.66	8,796.37	8,792.25	18.87	30.64	78.63	672.17	264.27	1,231.94	1,183.95	47.99	25.670	
9,000.00	8,902.66	8,892.00	8,887.87	18.93	30.97	78.60	673.10	265.26	1,233.14	1,184.76	48.38	25.486	
9,100.00	9,002.66	8,985.27	8,981.13	18.99	31.30	78.58	673.89	266.64	1,234.77	1,186.01	48.77	25.320	
9,200.00	9,102.66	9,076.81	9,072.64	19.05	31.62	78.58	674.21	268.76	1,237.11	1,187.97	49.14	25.174	
9,300.00	9,202.66	9,175.72	9,171.51	19.12	31.97	78.62	673.98	271.74	1,240.01	1,190.47	49.55	25.027	
9,400.00	9,302.66	9,276.55	9,272.29	19.18	32.33	78.66	673.73	274.74	1,242.89	1,192.92	49.96	24.877	
9,500.00	9,402.66	9,375.00	9,370.70	19.24	32.67	78.71	673.20	277.61	1,245.64	1,195.27	50.37	24.731	
9,600.00	9,502.66	9,488.73	9,484.38	19.30	33.07	78.79	671.95	280.48	1,247.90	1,197.07	50.84	24.548	
9,700.00	9,602.66	9,627.82	9,623.43	19.37	33.56	78.92	669.21	280.99	1,247.82	1,196.42	51.39	24.279	
9,800.00	9,702.66	9,729.27	9,724.85	19.43	33.91	79.00	667.13	279.86	1,246.33	1,194.52	51.81	24.056	
9,900.00	9,802.66	9,831.34	9,826.90	19.49	34.27	79.08	665.05	278.58	1,244.71	1,192.49	52.23	23.833	
10,000.00	9,902.66	9,936.38	9,931.90	19.56	34.64	79.18	662.58	276.94	1,242.74	1,190.08	52.65	23.602	
10,100.00	10,002.66	10,038.52	10,033.99	19.62	35.00	79.28	660.03	275.20	1,240.59	1,187.52	53.07	23.376	
10,200.00	10,102.66	10,145.23	10,140.65	19.69	35.37	79.37	657.75	272.80	1,237.98	1,184.48	53.50	23.139	
10,300.00	10,202.66	10,245.42	10,240.80	19.75	35.73	79.39	656.71	270.14	1,235.18	1,181.26	53.91	22.910	
10,400.00	10,302.66	10,340.95	10,336.29	19.81	36.07	79.40	656.06	267.67	1,232.51	1,178.20	54.31	22.694	
10,500.00	10,402.66	10,435.11	10,430.43	19.88	36.40	79.40	655.54	265.55	1,230.20	1,175.50	54.70	22.489	
10,600.00	10,502.66	10,526.70	10,522.00	19.94	36.72	79.40	655.38	263.97	1,228.48	1,173.39	55.09	22.301	
10,700.00	10,602.66	10,626.05	10,621.35	20.01	37.07	79.36	655.92	262.60	1,227.22	1,171.73	55.50	22.113	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
10,800.00	10,702.66	10,736.48	10,731.75	20.07	37.45	79.33	656.31	260.59	1,225.50	1,169.55	55.95	21.905	
10,900.00	10,802.66	10,835.67	10,830.92	20.14	37.80	79.30	656.43	258.46	1,223.41	1,167.05	56.36	21.709	
11,000.00	10,902.66	10,939.19	10,934.41	20.20	38.17	79.28	656.52	256.10	1,221.19	1,164.41	56.78	21.507	
11,100.00	11,002.66	11,054.99	11,050.16	20.27	38.58	79.23	656.88	252.72	1,218.41	1,161.17	57.24	21.285	
11,175.34	11,078.00	11,146.63	11,141.67	20.31	38.90	79.12	658.48	248.22	1,214.99	1,157.39	57.60	21.095	
11,200.00	11,102.65	11,175.44	11,170.41	20.31	39.01	-100.60	659.59	246.49	1,213.82	1,156.12	57.70	21.038	
11,250.00	11,152.45	11,228.02	11,222.81	20.33	39.19	-101.15	662.17	243.05	1,211.88	1,154.02	57.87	20.942	
11,300.00	11,201.68	11,273.17	11,267.79	20.35	39.35	-101.76	664.75	240.02	1,210.87	1,152.86	58.00	20.875	
11,314.21	11,215.52	11,283.90	11,278.47	20.35	39.39	-101.91	665.37	239.33	1,210.80	1,152.77	58.03	20.865	
11,350.00	11,249.97	11,311.33	11,305.81	20.35	39.49	-102.30	666.90	237.70	1,211.19	1,153.09	58.10	20.846	SF
11,400.00	11,296.95	11,350.00	11,344.37	20.35	39.62	-102.84	668.99	235.62	1,213.01	1,154.83	58.19	20.847	
11,450.00	11,342.26	11,392.53	11,386.79	20.35	39.77	-103.45	671.21	233.53	1,216.36	1,158.09	58.27	20.875	
11,500.00	11,385.56	11,434.55	11,428.70	20.34	39.92	-104.05	673.44	231.46	1,221.26	1,162.92	58.34	20.935	
11,550.00	11,426.53	11,472.58	11,466.63	20.33	40.06	-104.49	675.44	229.61	1,227.89	1,169.51	58.38	21.033	
11,600.00	11,464.83	11,508.59	11,502.55	20.33	40.18	-104.79	677.33	227.90	1,236.45	1,178.04	58.41	21.169	
11,650.00	11,500.20	11,540.56	11,534.44	20.34	40.30	-104.84	679.02	226.39	1,247.06	1,188.65	58.41	21.349	
11,700.00	11,532.35	11,570.14	11,563.96	20.35	40.40	-104.65	680.51	225.06	1,259.90	1,201.49	58.41	21.571	
11,750.00	11,561.05	11,596.47	11,590.23	20.38	40.46	-104.15	681.71	223.93	1,274.97	1,216.61	58.35	21.849	
11,800.00	11,586.06	11,618.86	11,612.59	20.42	40.51	-103.28	682.65	223.02	1,292.32	1,234.05	58.28	22.176	
11,850.00	11,607.21	11,638.00	11,631.70	20.48	40.54	-102.03	683.41	222.27	1,311.94	1,253.74	58.19	22.544	
11,900.00	11,624.34	11,650.68	11,644.35	20.56	40.54	-100.22	683.89	221.80	1,333.74	1,275.66	58.08	22.964	
11,950.00	11,637.30	11,660.11	11,653.78	20.66	40.54	-97.98	684.25	221.47	1,357.60	1,299.63	57.97	23.420	
12,000.00	11,646.01	11,665.93	11,659.59	20.77	40.54	-95.28	684.47	221.27	1,383.31	1,325.45	57.86	23.908	
12,050.00	11,650.40	11,668.06	11,661.72	20.91	40.54	-92.13	684.55	221.20	1,410.65	1,352.89	57.75	24.425	
12,070.38	11,650.94	11,667.87	11,661.53	20.97	40.54	-90.72	684.54	221.21	1,422.19	1,364.48	57.71	24.643	
12,100.00	11,651.19	11,667.14	11,660.80	21.07	40.54	-90.68	684.51	221.23	1,439.33	1,381.68	57.65	24.965	
12,200.00	11,652.06	11,664.67	11,658.33	21.42	40.54	-90.56	684.42	221.31	1,500.07	1,442.58	57.49	26.093	
12,300.00	11,652.93	11,662.18	11,655.84	21.84	40.54	-90.44	684.33	221.40	1,564.83	1,507.47	57.36	27.281	
12,400.00	11,653.79	11,659.67	11,653.33	22.31	40.54	-90.32	684.23	221.48	1,633.16	1,575.89	57.26	28.521	
12,500.00	11,654.66	11,657.15	11,650.82	22.84	40.54	-90.19	684.14	221.57	1,704.60	1,647.41	57.19	29.807	
12,600.00	11,655.52	11,654.61	11,648.28	23.42	40.54	-90.07	684.04	221.66	1,778.80	1,721.66	57.14	31.130	
12,700.00	11,656.39	11,652.05	11,645.73	24.05	40.54	-89.94	683.94	221.75	1,855.42	1,798.31	57.11	32.486	
12,800.00	11,657.26	11,649.48	11,643.16	24.73	40.54	-89.82	683.85	221.84	1,934.17	1,877.06	57.11	33.870	
12,900.00	11,658.12	11,646.89	11,640.57	25.46	40.54	-89.69	683.75	221.94	2,014.80	1,957.69	57.11	35.278	
13,000.00	11,658.99	11,644.29	11,637.97	26.23	40.54	-89.56	683.65	222.03	2,097.10	2,039.97	57.13	36.706	
13,100.00	11,659.85	11,642.83	11,636.52	27.05	40.55	-89.49	683.59	222.08	2,180.87	2,123.70	57.17	38.147	
13,200.00	11,660.72	11,639.37	11,633.06	27.90	40.55	-89.32	683.46	222.22	2,265.96	2,208.76	57.21	39.610	
13,300.00	11,661.59	11,635.79	11,629.49	28.80	40.54	-89.15	683.32	222.35	2,352.22	2,294.97	57.25	41.086	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	5.72	5.72	0.50	0.01	-53.28	754.30	-1,011.10	1,261.46				
100.00	100.00	101.52	101.52	0.98	0.14	-53.29	754.26	-1,011.38	1,261.67	1,260.56	1.12	1,130.446	
200.00	200.00	208.59	208.59	1.56	0.51	-53.30	754.07	-1,011.54	1,261.68	1,259.61	2.07	609.587	
207.99	207.99	213.99	213.99	1.59	0.53	-53.30	754.06	-1,011.54	1,261.67	1,259.55	2.12	594.629	
300.00	300.00	302.09	302.09	1.98	0.84	-53.31	753.94	-1,011.97	1,261.95	1,259.14	2.82	448.046	
400.00	400.00	409.86	409.85	2.33	1.21	-53.34	753.48	-1,012.33	1,261.96	1,258.42	3.54	356.379	
500.00	500.00	509.41	509.41	2.63	1.56	-53.36	752.85	-1,012.38	1,261.63	1,257.44	4.19	300.853	
600.00	599.99	610.73	610.72	2.98	1.92	12.16	752.21	-1,012.54	1,260.10	1,255.21	4.89	257.919	
700.00	699.91	710.75	710.74	3.29	2.27	12.18	751.55	-1,012.59	1,255.91	1,250.37	5.54	226.614	
800.00	799.69	817.85	817.83	3.58	2.64	12.25	750.63	-1,012.34	1,248.81	1,242.61	6.20	201.275	
833.33	832.91	849.65	849.64	3.60	2.75	12.28	750.37	-1,012.18	1,245.82	1,239.48	6.34	196.382	
900.00	899.32	917.20	917.18	3.70	2.99	12.32	749.84	-1,011.85	1,239.58	1,232.90	6.67	185.717	
1,000.00	998.94	1,018.60	1,018.58	3.92	3.34	12.43	749.65	-1,010.83	1,230.14	1,222.89	7.25	169.648	
1,100.00	1,098.56	1,116.93	1,116.89	4.14	3.69	12.57	749.90	-1,009.37	1,220.61	1,212.79	7.81	156.232	
1,200.00	1,198.18	1,215.29	1,215.24	4.36	4.03	12.71	750.15	-1,007.88	1,211.05	1,202.67	8.38	144.595	
1,201.83	1,200.00	1,217.05	1,217.00	4.36	4.04	12.71	750.16	-1,007.85	1,210.88	1,202.49	8.39	144.400	
1,300.00	1,297.68	1,315.15	1,315.09	4.60	4.38	12.91	750.50	-1,006.35	1,200.32	1,191.35	8.97	133.790	
1,400.00	1,396.88	1,415.34	1,415.27	4.86	4.73	13.14	750.60	-1,004.96	1,187.03	1,177.46	9.57	124.000	
1,500.00	1,495.72	1,517.50	1,517.42	5.10	5.09	13.40	750.44	-1,003.53	1,171.07	1,160.89	10.18	115.074	
1,600.00	1,594.13	1,614.94	1,614.85	5.35	5.43	13.70	750.06	-1,002.24	1,152.53	1,141.77	10.76	107.095	
1,634.85	1,628.31	1,650.46	1,650.37	5.39	5.55	13.81	749.86	-1,001.79	1,145.48	1,134.55	10.93	104.813	
1,700.00	1,692.16	1,714.16	1,714.06	5.49	5.78	13.98	749.46	-1,000.97	1,131.96	1,120.71	11.25	100.609	
1,800.00	1,790.15	1,812.11	1,812.00	5.70	6.12	14.24	748.73	-999.72	1,111.18	1,099.37	11.80	94.150	
1,900.00	1,888.15	1,911.67	1,911.54	5.90	6.47	14.52	747.98	-998.32	1,090.30	1,077.94	12.36	88.218	
2,000.00	1,986.14	1,997.65	1,997.51	6.11	6.77	14.70	746.71	-998.07	1,069.88	1,057.01	12.87	83.100	
2,100.00	2,084.14	2,092.04	2,091.87	6.32	7.10	14.83	744.53	-999.45	1,050.27	1,036.85	13.42	78.270	
2,200.00	2,182.13	2,192.48	2,192.27	6.53	7.45	14.96	742.15	-1,001.03	1,030.72	1,016.74	13.98	73.714	
2,300.00	2,280.12	2,292.06	2,291.81	6.75	7.80	15.10	739.76	-1,002.33	1,010.96	996.41	14.55	69.505	
2,400.00	2,378.12	2,390.21	2,389.92	6.97	8.15	15.26	737.46	-1,003.31	990.99	975.89	15.10	65.613	
2,500.00	2,476.11	2,491.83	2,491.52	7.20	8.51	15.46	735.34	-1,003.93	970.90	955.23	15.67	61.951	
2,600.00	2,574.11	2,591.49	2,591.17	7.44	8.85	15.69	733.66	-1,004.25	950.87	934.63	16.23	58.569	
2,700.00	2,672.10	2,686.98	2,686.64	7.69	9.19	15.94	732.06	-1,004.18	930.55	913.77	16.79	55.434	
2,800.00	2,770.10	2,785.84	2,785.48	7.94	9.54	16.18	730.12	-1,004.39	910.29	892.94	17.35	52.469	
2,900.00	2,868.09	2,882.41	2,881.94	8.20	9.88	16.24	726.17	-1,006.60	890.24	872.33	17.91	49.707	
3,000.00	2,966.08	2,981.36	2,980.78	8.46	10.23	16.29	721.84	-1,009.02	870.11	851.63	18.48	47.087	
3,100.00	3,064.08	3,078.68	3,077.99	8.72	10.58	16.36	717.98	-1,011.15	850.07	831.03	19.04	44.638	
3,200.00	3,162.07	3,175.00	3,174.25	8.98	10.92	16.51	714.83	-1,012.64	829.99	810.38	19.60	42.336	
3,300.00	3,260.07	3,283.81	3,282.95	9.25	11.31	16.63	710.55	-1,014.45	809.59	789.40	20.20	40.085	
3,400.00	3,358.06	3,382.50	3,381.36	9.51	11.67	16.52	703.74	-1,017.44	788.30	767.53	20.77	37.948	
3,500.00	3,456.05	3,482.44	3,481.07	9.77	12.03	16.47	697.37	-1,019.80	766.84	745.49	21.35	35.917	
3,600.00	3,554.05	3,580.98	3,579.41	10.04	12.39	16.45	691.37	-1,021.73	745.28	723.35	21.92	33.993	
3,700.00	3,652.04	3,676.52	3,674.75	10.31	12.74	16.43	685.64	-1,023.63	723.78	701.29	22.49	32.176	
3,800.00	3,750.04	3,772.70	3,770.78	10.57	13.09	16.47	680.38	-1,025.13	702.32	679.26	23.06	30.451	
3,900.00	3,848.03	3,871.32	3,869.27	10.84	13.45	16.57	675.58	-1,026.35	680.99	657.36	23.64	28.811	
4,000.00	3,946.02	3,962.19	3,959.97	11.11	13.78	16.56	670.48	-1,028.54	660.07	635.87	24.20	27.274	
4,100.00	4,044.02	4,050.00	4,047.50	11.37	14.11	16.39	664.87	-1,032.55	640.27	615.51	24.76	25.855	
4,200.00	4,142.01	4,140.31	4,137.60	11.64	14.44	16.29	660.75	-1,037.14	622.02	596.70	25.33	24.560	
4,300.00	4,240.01	4,228.87	4,226.04	11.91	14.76	16.38	659.15	-1,041.42	605.33	579.45	25.87	23.396	
4,400.00	4,338.00	4,323.54	4,320.63	12.18	15.09	16.69	659.72	-1,045.40	589.72	563.29	26.43	22.314	
4,500.00	4,435.99	4,429.17	4,426.18	12.45	15.45	17.36	662.55	-1,047.78	574.05	547.03	27.02	21.248	
4,600.00	4,533.99	4,564.40	4,561.32	12.72	15.93	18.60	664.84	-1,044.91	554.66	527.02	27.64	20.065	
4,700.00	4,631.98	4,664.31	4,661.14	12.99	16.27	19.49	663.40	-1,040.80	531.86	503.65	28.21	18.851	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,729.98	4,772.74	4,769.35	13.26	16.65	20.06	657.60	-1,038.05	507.65	478.88	28.77	17.644	
4,900.00	4,827.97	4,870.37	4,866.67	13.53	17.01	20.36	649.99	-1,036.36	482.37	453.03	29.34	16.441	
5,000.00	4,925.97	4,964.21	4,960.21	13.80	17.35	20.67	642.66	-1,034.71	457.09	427.17	29.92	15.278	
5,100.00	5,023.96	5,048.51	5,044.27	14.07	17.66	20.77	636.42	-1,035.75	434.10	403.58	30.52	14.224	
5,200.00	5,121.95	5,146.03	5,141.54	14.34	18.03	20.86	629.75	-1,037.89	412.22	381.12	31.10	13.253	
5,300.00	5,219.95	5,243.40	5,238.70	14.61	18.39	21.09	623.61	-1,039.42	390.28	358.59	31.69	12.316	
5,400.00	5,317.94	5,340.28	5,335.40	14.88	18.75	21.37	617.82	-1,040.92	368.56	336.29	32.28	11.419	
5,500.00	5,415.94	5,437.43	5,432.35	15.15	19.11	21.67	611.93	-1,042.54	346.87	314.01	32.86	10.555	
5,600.00	5,513.93	5,526.36	5,520.97	15.42	19.44	21.56	606.06	-1,046.84	326.94	293.47	33.47	9.769	
5,700.00	5,611.92	5,624.67	5,618.89	15.69	19.81	21.25	599.71	-1,052.99	308.12	274.06	34.06	9.046	
5,800.00	5,709.92	5,722.63	5,716.45	15.96	20.19	20.90	593.33	-1,059.08	289.24	254.59	34.65	8.347	
5,900.00	5,807.91	5,820.71	5,814.15	16.24	20.56	20.55	587.12	-1,065.00	270.39	235.14	35.25	7.670	
5,905.98	5,813.78	5,826.56	5,819.99	16.26	20.58	20.53	586.76	-1,065.35	269.26	233.98	35.29	7.630	
6,000.00	5,906.13	5,919.04	5,912.10	16.50	20.93	19.95	580.87	-1,071.06	252.68	216.84	35.84	7.049	
6,100.00	6,004.80	6,017.17	6,009.87	16.73	21.31	19.13	574.96	-1,077.08	237.63	201.19	36.43	6.523	
6,200.00	6,103.86	6,117.34	6,109.70	16.93	21.69	18.12	569.15	-1,082.83	224.95	187.94	37.00	6.079	
6,300.00	6,203.25	6,217.46	6,209.54	17.11	22.07	16.97	563.58	-1,087.91	214.48	176.92	37.56	5.711	
6,400.00	6,302.89	6,317.86	6,309.67	17.27	22.45	15.60	557.89	-1,092.36	206.05	167.96	38.10	5.409	
6,500.00	6,402.72	6,418.18	6,409.75	17.39	22.83	14.03	552.21	-1,096.44	199.99	161.37	38.62	5.178	
6,600.00	6,502.67	6,517.69	6,509.04	17.49	23.20	12.34	546.91	-1,100.27	196.66	157.53	39.13	5.026	
6,672.34	6,575.00	6,589.83	6,581.04	17.53	23.47	-54.50	543.14	-1,102.95	195.93	156.49	39.44	4.967	
6,697.27	6,599.93	6,614.77	6,605.93	17.54	23.56	-54.96	541.85	-1,103.85	195.92	156.39	39.53	4.956	
6,700.00	6,602.66	6,617.48	6,608.63	17.54	23.57	-55.01	541.71	-1,103.95	195.92	156.38	39.54	4.954	
6,800.00	6,702.66	6,717.63	6,708.59	17.60	23.95	-56.84	536.64	-1,107.62	196.12	156.18	39.95	4.909	
6,900.00	6,802.66	6,820.96	6,811.74	17.66	24.33	-58.57	531.50	-1,110.53	195.86	155.52	40.34	4.856	
7,000.00	6,902.66	6,921.36	6,912.05	17.71	24.69	-59.76	527.07	-1,111.05	194.05	153.31	40.74	4.763	
7,063.09	6,965.75	6,981.12	6,971.75	17.75	24.91	-60.44	524.69	-1,111.52	193.24	152.23	41.01	4.712	
7,100.00	7,002.66	7,014.16	7,004.78	17.77	25.02	-60.66	524.28	-1,112.31	193.76	152.59	41.17	4.707	
7,200.00	7,102.66	7,114.30	7,104.89	17.83	25.37	-61.04	524.11	-1,114.64	195.71	154.15	41.56	4.709	
7,300.00	7,202.66	7,214.37	7,204.93	17.89	25.71	-61.36	524.06	-1,116.84	197.61	155.65	41.96	4.710	
7,400.00	7,302.66	7,314.55	7,305.09	17.95	26.05	-61.67	524.01	-1,118.96	199.45	157.10	42.36	4.709	
7,500.00	7,402.66	7,414.85	7,405.37	18.01	26.39	-61.93	524.08	-1,121.00	201.28	158.53	42.75	4.708	
7,600.00	7,502.66	7,515.31	7,505.82	18.07	26.73	-62.16	524.03	-1,122.70	202.75	159.60	43.15	4.699	
7,700.00	7,602.66	7,615.40	7,605.90	18.13	27.08	-62.39	523.98	-1,124.30	204.14	160.59	43.55	4.688	
7,800.00	7,702.66	7,715.37	7,705.85	18.19	27.42	-62.47	524.35	-1,125.65	205.51	161.56	43.95	4.676	
7,900.00	7,802.66	7,815.52	7,805.99	18.25	27.76	-62.55	524.75	-1,127.06	206.94	162.59	44.35	4.666	
8,000.00	7,902.66	7,915.52	7,905.98	18.31	28.10	-62.57	525.27	-1,128.18	208.17	163.42	44.75	4.652	
8,100.00	8,002.66	8,016.24	8,006.71	18.37	28.44	-62.57	525.76	-1,129.18	209.28	164.13	45.15	4.635	
8,200.00	8,102.66	8,115.04	8,105.49	18.43	28.78	-62.69	525.87	-1,130.33	210.37	164.82	45.55	4.618	
8,300.00	8,202.66	8,213.31	8,203.74	18.50	29.11	-62.93	526.06	-1,132.62	212.52	166.57	45.95	4.625	
8,400.00	8,302.66	8,317.47	8,307.89	18.56	29.47	-63.01	526.39	-1,133.88	213.74	167.39	46.35	4.611	
8,500.00	8,402.66	8,420.90	8,411.31	18.62	29.83	-62.69	527.27	-1,133.04	213.40	166.65	46.76	4.564	
8,600.00	8,502.66	8,521.62	8,512.01	18.68	30.18	-62.22	528.15	-1,130.94	211.96	164.79	47.17	4.494	
8,700.00	8,602.66	8,621.00	8,611.36	18.74	30.52	-61.73	529.05	-1,128.81	210.50	162.91	47.59	4.423	
8,800.00	8,702.66	8,721.03	8,711.37	18.80	30.87	-61.31	529.78	-1,126.93	209.19	161.19	48.01	4.358	
8,900.00	8,802.66	8,821.69	8,812.00	18.87	31.22	-60.98	530.19	-1,125.13	207.82	159.41	48.42	4.292	
9,000.00	8,902.66	8,920.50	8,910.81	18.93	31.56	-60.72	530.45	-1,123.74	206.72	157.89	48.83	4.233	
9,100.00	9,002.66	9,020.22	9,010.52	18.99	31.90	-60.56	530.51	-1,122.61	205.76	156.52	49.24	4.178	
9,200.00	9,102.66	9,120.58	9,110.88	19.05	32.25	-60.45	530.34	-1,121.56	204.77	155.12	49.65	4.124	
9,300.00	9,202.66	9,220.72	9,211.01	19.12	32.59	-60.40	529.98	-1,120.55	203.71	153.66	50.06	4.070	
9,400.00	9,302.66	9,320.50	9,310.78	19.18	32.93	-60.43	529.35	-1,119.63	202.60	152.13	50.46	4.015	
9,500.00	9,402.66	9,420.11	9,410.38	19.24	33.27	-60.62	528.32	-1,119.20	201.72	150.85	50.87	3.965	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,600.00	9,502.66	9,519.92	9,510.19	19.30	33.62	-60.87	527.20	-1,118.99	200.99	149.71	51.28	3.920	
9,700.00	9,602.66	9,619.90	9,610.16	19.37	33.96	-61.13	525.98	-1,118.68	200.12	148.44	51.68	3.872	
9,800.00	9,702.66	9,719.59	9,709.85	19.43	34.31	-61.37	524.92	-1,118.45	199.40	147.32	52.09	3.828	
9,900.00	9,802.66	9,819.33	9,809.58	19.49	34.65	-61.59	523.96	-1,118.27	198.79	146.30	52.49	3.787	
10,000.00	9,902.66	9,919.88	9,910.13	19.56	35.00	-61.73	523.16	-1,117.88	198.07	145.17	52.90	3.744	
10,100.00	10,002.66	10,019.55	10,009.79	19.62	35.34	-61.73	522.76	-1,117.12	197.21	143.90	53.31	3.699	
10,200.00	10,102.66	10,118.94	10,109.18	19.69	35.68	-61.55	523.10	-1,116.39	196.73	143.01	53.72	3.662	
10,300.00	10,202.66	10,219.55	10,209.79	19.75	36.03	-61.30	523.70	-1,115.70	196.41	142.27	54.14	3.628	
10,400.00	10,302.66	10,319.31	10,309.53	19.81	36.38	-60.76	525.07	-1,114.41	195.94	141.38	54.56	3.591	
10,500.00	10,402.66	10,419.92	10,410.11	19.88	36.74	-60.14	526.69	-1,112.92	195.45	140.46	54.99	3.554	
10,600.00	10,502.66	10,520.75	10,510.90	19.94	37.09	-59.34	528.55	-1,110.71	194.49	139.06	55.42	3.509	
10,700.00	10,602.66	10,620.47	10,610.57	20.01	37.45	-58.50	530.41	-1,108.30	193.38	137.52	55.86	3.462	
10,800.00	10,702.66	10,721.03	10,711.08	20.07	37.81	-57.58	532.46	-1,105.73	192.29	135.99	56.30	3.416	
10,900.00	10,802.66	10,820.43	10,810.40	20.14	38.16	-56.42	535.08	-1,102.65	191.12	134.38	56.74	3.368	
11,000.00	10,902.66	10,920.40	10,910.28	20.20	38.52	-55.16	538.09	-1,099.64	190.32	133.13	57.19	3.328	
11,041.80	10,944.47	10,960.62	10,950.47	20.23	38.67	-54.72	539.16	-1,098.58	190.07	132.69	57.38	3.313	CC, ES
11,100.00	11,002.66	11,014.57	11,004.42	20.27	38.85	-54.55	539.96	-1,098.74	190.71	133.10	57.61	3.310	SF
11,175.34	11,078.00	11,085.94	11,075.74	20.31	38.99	-54.44	541.63	-1,100.47	193.22	135.44	57.78	3.344	
11,200.00	11,102.65	11,109.37	11,099.14	20.31	39.03	126.07	542.31	-1,101.31	194.66	136.85	57.82	3.367	
11,250.00	11,152.45	11,156.45	11,146.15	20.33	39.05	126.57	543.76	-1,103.47	199.99	142.16	57.83	3.458	
11,300.00	11,201.68	11,202.76	11,192.36	20.35	39.05	127.52	545.17	-1,106.33	208.64	150.78	57.85	3.606	
11,350.00	11,249.97	11,254.62	11,244.08	20.35	39.05	129.17	546.43	-1,109.75	220.15	162.21	57.93	3.800	
11,400.00	11,296.95	11,307.09	11,296.49	20.35	39.05	131.31	546.78	-1,112.32	233.62	175.59	58.04	4.026	
11,450.00	11,342.26	11,357.85	11,347.22	20.35	39.06	133.73	546.46	-1,113.79	249.43	191.27	58.16	4.289	
11,500.00	11,385.56	11,405.79	11,395.15	20.34	39.06	136.19	545.73	-1,114.15	267.99	209.69	58.30	4.597	
11,550.00	11,426.53	11,445.68	11,435.04	20.33	39.07	137.96	545.08	-1,114.26	290.26	231.80	58.46	4.965	
11,600.00	11,464.83	11,482.88	11,472.24	20.33	39.07	139.32	544.61	-1,114.52	316.59	257.96	58.63	5.400	
11,650.00	11,500.20	11,519.00	11,508.35	20.34	39.08	140.35	544.21	-1,114.87	346.73	287.94	58.79	5.898	
11,700.00	11,532.35	11,552.92	11,542.27	20.35	39.08	140.90	543.73	-1,115.16	380.24	321.30	58.94	6.451	
11,750.00	11,561.05	11,583.53	11,572.87	20.38	39.09	140.76	543.22	-1,115.37	416.86	357.77	59.08	7.056	
11,800.00	11,586.06	11,609.99	11,599.33	20.42	39.09	139.72	542.71	-1,115.53	456.28	397.07	59.21	7.706	
11,850.00	11,607.21	11,632.52	11,621.85	20.48	39.10	137.55	542.25	-1,115.67	498.19	438.86	59.32	8.398	
11,900.00	11,624.34	11,651.06	11,640.38	20.56	39.10	133.83	541.86	-1,115.79	542.21	482.78	59.42	9.124	
11,950.00	11,637.30	11,665.44	11,654.76	20.66	39.10	127.84	541.54	-1,115.88	587.94	528.43	59.51	9.879	
12,000.00	11,646.01	11,675.30	11,664.62	20.77	39.10	118.37	541.32	-1,115.94	635.00	575.41	59.59	10.656	
12,050.00	11,650.40	11,680.84	11,670.16	20.91	39.10	104.06	541.20	-1,115.97	682.98	623.31	59.66	11.447	
12,070.38	11,650.94	11,681.85	11,671.17	20.97	39.11	96.69	541.17	-1,115.98	702.70	643.01	59.69	11.772	
12,100.00	11,651.19	11,682.78	11,672.10	21.07	39.11	97.00	541.15	-1,115.98	731.45	671.72	59.73	12.247	
12,200.00	11,652.06	11,685.93	11,675.24	21.42	39.11	98.03	541.08	-1,116.00	828.94	769.12	59.83	13.855	
12,300.00	11,652.93	11,689.08	11,678.40	21.84	39.11	99.06	541.01	-1,116.02	926.97	867.06	59.91	15.473	
12,400.00	11,653.79	11,692.24	11,681.56	22.31	39.11	100.08	540.94	-1,116.04	1,025.36	965.38	59.98	17.095	
12,500.00	11,654.66	11,695.41	11,684.73	22.84	39.11	101.10	540.87	-1,116.06	1,124.03	1,063.99	60.04	18.722	
12,600.00	11,655.52	11,698.59	11,687.91	23.42	39.11	102.12	540.79	-1,116.08	1,222.90	1,162.81	60.09	20.351	
12,700.00	11,656.39	11,701.78	11,691.09	24.05	39.11	103.13	540.72	-1,116.10	1,321.94	1,261.80	60.14	21.982	
12,800.00	11,657.26	11,704.97	11,694.28	24.73	39.11	104.13	540.65	-1,116.12	1,421.11	1,360.92	60.18	23.613	
12,900.00	11,658.12	11,708.17	11,697.48	25.46	39.11	105.13	540.57	-1,116.14	1,520.38	1,460.15	60.23	25.244	
13,000.00	11,658.99	11,711.38	11,700.69	26.23	39.11	106.12	540.50	-1,116.16	1,619.73	1,559.46	60.27	26.875	
13,100.00	11,659.85	11,714.59	11,703.90	27.05	39.11	107.10	540.43	-1,116.18	1,719.15	1,658.84	60.31	28.505	
13,200.00	11,660.72	11,717.82	11,707.13	27.90	39.11	108.08	540.35	-1,116.21	1,818.63	1,758.27	60.35	30.133	
13,300.00	11,661.59	11,721.05	11,710.36	28.80	39.11	109.04	540.28	-1,116.23	1,918.16	1,857.76	60.39	31.760	
13,400.00	11,662.45	11,724.29	11,713.60	29.73	39.11	110.00	540.20	-1,116.25	2,017.73	1,957.29	60.44	33.386	
13,500.00	11,663.32	11,727.54	11,716.84	30.69	39.11	110.95	540.13	-1,116.27	2,117.33	2,056.85	60.48	35.009	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
13,600.00	11,664.18	11,730.79	11,720.10	31.67	39.12	111.89	540.05	-1,116.29	2,216.97	2,156.44	60.52	36.630	
13,700.00	11,665.05	11,734.06	11,723.36	32.69	39.12	112.81	539.98	-1,116.31	2,316.63	2,256.06	60.57	38.248	
13,800.00	11,665.92	11,737.33	11,726.63	33.73	39.12	113.73	539.90	-1,116.33	2,416.32	2,355.70	60.61	39.864	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	0.00	0.00	0.50	0.50	180.00	-50.00	0.00	50.00				
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-50.00	0.00	50.00	48.04	1.96	25.482	
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-50.00	0.00	50.00	46.88	3.12	16.014	
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-50.00	0.00	50.00	46.04	3.96	12.619	
400.00	400.00	400.00	400.00	2.33	2.33	180.00	-50.00	0.00	50.00	45.34	4.66	10.732	
500.00	500.00	500.00	500.00	2.63	2.63	180.00	-50.00	0.00	50.00	44.73	5.27	9.489	CC
600.00	599.99	599.99	599.99	2.98	2.91	-115.81	-50.00	0.00	50.56	44.73	5.83	8.672	ES
700.00	699.91	699.91	699.91	3.29	3.16	-119.65	-50.00	0.00	52.39	46.03	6.35	8.248	
800.00	799.69	799.69	799.69	3.58	3.40	-125.44	-50.00	0.00	55.91	49.06	6.85	8.157	
833.33	832.91	832.91	832.91	3.60	3.47	-127.65	-50.00	0.00	57.56	50.60	6.96	8.269	
900.00	899.32	899.32	899.32	3.70	3.62	-131.95	-50.00	0.00	61.29	54.07	7.22	8.492	
1,000.00	998.94	998.94	998.94	3.92	3.83	-137.45	-50.00	0.00	67.44	59.77	7.67	8.792	
1,100.00	1,098.56	1,098.56	1,098.56	4.14	4.04	-142.01	-50.00	0.00	74.11	66.00	8.11	9.143	
1,200.00	1,198.18	1,198.18	1,198.18	4.36	4.23	-145.79	-50.00	0.00	81.16	72.63	8.53	9.516	
1,201.83	1,200.00	1,200.00	1,200.00	4.36	4.23	-145.86	-50.00	0.00	81.29	72.76	8.54	9.523	
1,300.00	1,297.68	1,297.68	1,297.68	4.60	4.42	-149.31	-50.00	0.00	89.59	80.63	8.96	9.994	
1,400.00	1,396.88	1,396.88	1,396.88	4.86	4.60	-152.89	-50.00	0.00	100.63	91.22	9.40	10.703	
1,500.00	1,495.72	1,497.57	1,497.56	5.10	4.77	-156.19	-49.58	-0.72	113.58	103.75	9.83	11.552	
1,600.00	1,594.13	1,598.44	1,598.40	5.35	4.93	-159.03	-48.28	-2.97	127.58	117.33	10.25	12.445	
1,634.85	1,628.31	1,633.62	1,633.56	5.39	4.99	-159.92	-47.61	-4.12	132.70	122.34	10.35	12.816	
1,700.00	1,692.16	1,699.54	1,699.40	5.49	5.10	-161.46	-46.08	-6.77	142.07	131.50	10.57	13.445	
1,800.00	1,790.15	1,801.14	1,800.81	5.70	5.27	-163.34	-42.97	-12.15	155.18	144.24	10.95	14.177	
1,900.00	1,888.15	1,903.22	1,902.57	5.90	5.43	-164.84	-38.94	-19.11	166.69	155.37	11.33	14.719	
2,000.00	1,986.14	2,005.70	2,004.57	6.11	5.60	-166.05	-33.97	-27.68	176.54	164.84	11.70	15.084	
2,100.00	2,084.14	2,108.53	2,106.73	6.32	5.77	-167.06	-28.08	-37.87	184.69	172.61	12.08	15.285	
2,200.00	2,182.13	2,211.65	2,208.94	6.53	5.95	-167.93	-21.25	-49.67	191.10	178.64	12.46	15.335	
2,300.00	2,280.12	2,314.98	2,311.10	6.75	6.13	-168.68	-13.48	-63.09	195.77	182.92	12.84	15.243	
2,400.00	2,378.12	2,418.46	2,413.11	6.97	6.31	-169.35	-4.77	-78.13	198.66	185.44	13.22	15.023	
2,500.00	2,476.11	2,522.02	2,514.86	7.20	6.49	-169.96	4.87	-94.78	199.79	186.18	13.61	14.684	
2,600.00	2,574.11	2,625.60	2,616.27	7.44	6.68	-170.53	15.42	-113.01	199.13	185.14	13.99	14.235	
2,700.00	2,672.10	2,729.00	2,717.11	7.69	6.86	-171.06	26.88	-132.80	196.68	182.33	14.35	13.706	
2,800.00	2,770.10	2,828.93	2,814.38	7.94	7.05	-171.58	38.35	-152.62	193.41	178.68	14.73	13.131	
2,900.00	2,868.09	2,928.86	2,911.65	8.20	7.27	-172.11	49.83	-172.45	190.16	175.02	15.14	12.561	
3,000.00	2,966.08	3,028.79	3,008.92	8.46	7.49	-172.67	61.31	-192.28	186.93	171.38	15.55	12.023	
3,100.00	3,064.08	3,128.72	3,106.19	8.72	7.73	-173.24	72.79	-212.11	183.71	167.76	15.96	11.513	
3,200.00	3,162.07	3,228.65	3,203.46	8.98	7.97	-173.84	84.27	-231.94	180.52	164.15	16.37	11.029	
3,300.00	3,260.07	3,328.58	3,300.73	9.25	8.22	-174.45	95.75	-251.77	177.34	160.56	16.78	10.569	
3,400.00	3,358.06	3,428.51	3,398.00	9.51	8.47	-175.09	107.23	-271.60	174.19	156.99	17.19	10.131	
3,500.00	3,456.05	3,528.45	3,495.26	9.77	8.72	-175.75	118.71	-291.43	171.05	153.45	17.61	9.715	
3,600.00	3,554.05	3,628.38	3,592.53	10.04	8.98	-176.43	130.19	-311.26	167.94	149.92	18.02	9.319	
3,700.00	3,652.04	3,728.31	3,689.80	10.31	9.24	-177.15	141.67	-331.09	164.86	146.42	18.44	8.942	
3,800.00	3,750.04	3,828.24	3,787.07	10.57	9.51	-177.88	153.15	-350.92	161.80	142.95	18.85	8.583	
3,900.00	3,848.03	3,928.17	3,884.34	10.84	9.78	-178.65	164.62	-370.75	158.77	139.50	19.27	8.240	
4,000.00	3,946.02	4,028.10	3,981.61	11.11	10.05	-179.45	176.10	-390.57	155.77	136.08	19.69	7.912	
4,100.00	4,044.02	4,128.03	4,078.88	11.37	10.32	179.73	187.58	-410.40	152.80	132.70	20.11	7.600	
4,200.00	4,142.01	4,227.96	4,176.15	11.64	10.60	178.87	199.06	-430.23	149.87	129.34	20.53	7.301	
4,300.00	4,240.01	4,327.89	4,273.42	11.91	10.87	177.97	210.54	-450.06	146.96	126.02	20.95	7.016	
4,400.00	4,338.00	4,427.83	4,370.69	12.18	11.15	177.04	222.02	-469.89	144.10	122.73	21.37	6.743	
4,500.00	4,435.99	4,527.76	4,467.95	12.45	11.43	176.08	233.50	-489.72	141.28	119.48	21.80	6.482	
4,600.00	4,533.99	4,627.69	4,565.22	12.72	11.72	175.07	244.98	-509.55	138.49	116.27	22.22	6.232	
4,700.00	4,631.98	4,727.62	4,662.49	12.99	12.00	174.02	256.46	-529.38	135.76	113.10	22.65	5.993	
4,800.00	4,729.98	4,827.55	4,759.76	13.26	12.29	172.93	267.94	-549.21	133.06	109.98	23.09	5.764	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,827.97	4,927.48	4,857.03	13.53	12.57	171.80	279.41	-569.04	130.42	106.90	23.52	5.544	
5,000.00	4,925.97	5,027.41	4,954.30	13.80	12.86	170.62	290.89	-588.87	127.84	103.87	23.97	5.334	
5,100.00	5,023.96	5,127.34	5,051.57	14.07	13.15	169.39	302.37	-608.70	125.31	100.89	24.41	5.133	
5,200.00	5,121.95	5,227.27	5,148.84	14.34	13.44	168.11	313.85	-628.53	122.83	97.97	24.87	4.940	
5,300.00	5,219.95	5,327.21	5,246.11	14.61	13.73	166.78	325.33	-648.35	120.43	95.10	25.33	4.755	
5,400.00	5,317.94	5,427.14	5,343.38	14.88	14.02	165.39	336.81	-668.18	118.09	92.29	25.79	4.578	
5,500.00	5,415.94	5,527.07	5,440.64	15.15	14.31	163.95	348.29	-688.01	115.82	89.55	26.26	4.410	
5,600.00	5,513.93	5,626.05	5,537.04	15.42	14.58	162.52	359.54	-707.45	113.85	87.12	26.73	4.259	
5,681.28	5,593.58	5,705.85	5,615.00	15.64	14.81	161.55	368.09	-722.21	113.31	86.19	27.13	4.177	
5,700.00	5,611.92	5,724.24	5,632.99	15.69	14.86	161.36	369.98	-725.47	113.34	86.13	27.22	4.165	
5,800.00	5,709.92	5,822.44	5,729.31	15.96	15.11	160.55	379.58	-742.07	114.44	86.76	27.68	4.134	
5,900.00	5,807.91	5,920.61	5,825.90	16.24	15.35	160.12	388.36	-757.23	117.10	88.97	28.13	4.163	
5,905.98	5,813.78	5,926.48	5,831.68	16.26	15.37	160.10	388.86	-758.09	117.31	89.15	28.15	4.167	
6,000.00	5,906.13	6,018.72	5,922.72	16.50	15.58	159.88	396.30	-770.95	120.23	91.67	28.56	4.210	
6,100.00	6,004.80	6,116.82	6,019.79	16.73	15.78	159.57	403.41	-783.23	122.44	93.47	28.97	4.226	
6,200.00	6,103.86	6,214.92	6,117.08	16.93	15.97	159.20	409.69	-794.07	123.75	94.38	29.37	4.213	
6,300.00	6,203.25	6,313.01	6,214.57	17.11	16.15	158.74	415.13	-803.47	124.16	94.41	29.75	4.173	
6,400.00	6,302.89	6,411.11	6,312.24	17.27	16.30	158.21	419.73	-811.42	123.66	93.55	30.11	4.107	
6,500.00	6,402.72	6,509.23	6,410.07	17.39	16.44	157.57	423.49	-817.92	122.26	91.81	30.45	4.015	
6,600.00	6,502.67	6,607.36	6,508.03	17.49	16.57	156.82	426.42	-822.98	119.98	89.22	30.76	3.900	
6,672.34	6,575.00	6,678.37	6,578.96	17.53	16.64	90.66	428.01	-825.73	117.78	86.85	30.92	3.808	
6,700.00	6,602.66	6,705.53	6,606.10	17.54	16.67	90.42	428.51	-826.58	116.90	85.93	30.97	3.775	
6,800.00	6,702.66	6,803.78	6,704.32	17.60	16.76	89.81	429.75	-828.73	114.71	83.56	31.15	3.683	
6,900.00	6,802.66	6,902.13	6,802.66	17.66	16.83	89.61	430.15	-829.42	114.01	82.74	31.28	3.645	
7,000.00	6,902.66	7,002.13	6,902.66	17.71	16.90	89.61	430.15	-829.42	114.01	82.61	31.40	3.631	
7,100.00	7,002.66	7,102.13	7,002.66	17.77	16.96	89.61	430.15	-829.42	114.01	82.49	31.52	3.617	
7,200.00	7,102.66	7,202.13	7,102.66	17.83	17.02	89.61	430.15	-829.42	114.01	82.37	31.64	3.603	
7,300.00	7,202.66	7,302.13	7,202.66	17.89	17.09	89.61	430.15	-829.42	114.01	82.24	31.77	3.589	
7,400.00	7,302.66	7,402.13	7,302.66	17.95	17.15	89.61	430.15	-829.42	114.01	82.12	31.89	3.575	
7,500.00	7,402.66	7,502.13	7,402.66	18.01	17.22	89.61	430.15	-829.42	114.01	82.00	32.02	3.561	
7,600.00	7,502.66	7,602.13	7,502.66	18.07	17.28	89.61	430.15	-829.42	114.01	81.87	32.14	3.547	
7,700.00	7,602.66	7,702.13	7,602.66	18.13	17.35	89.61	430.15	-829.42	114.01	81.75	32.27	3.533	
7,800.00	7,702.66	7,802.13	7,702.66	18.19	17.41	89.61	430.15	-829.42	114.01	81.62	32.39	3.520	
7,900.00	7,802.66	7,902.13	7,802.66	18.25	17.48	89.61	430.15	-829.42	114.01	81.49	32.52	3.506	
8,000.00	7,902.66	8,002.13	7,902.66	18.31	17.54	89.61	430.15	-829.42	114.01	81.37	32.64	3.493	
8,100.00	8,002.66	8,102.13	8,002.66	18.37	17.61	89.61	430.15	-829.42	114.01	81.24	32.77	3.479	
8,200.00	8,102.66	8,202.13	8,102.66	18.43	17.67	89.61	430.15	-829.42	114.01	81.12	32.90	3.466	
8,300.00	8,202.66	8,302.13	8,202.66	18.50	17.74	89.61	430.15	-829.42	114.01	80.99	33.02	3.452	
8,400.00	8,302.66	8,402.13	8,302.66	18.56	17.81	89.61	430.15	-829.42	114.01	80.86	33.15	3.439	
8,500.00	8,402.66	8,502.13	8,402.66	18.62	17.87	89.61	430.15	-829.42	114.01	80.73	33.28	3.426	
8,600.00	8,502.66	8,602.13	8,502.66	18.68	17.94	89.61	430.15	-829.42	114.01	80.61	33.41	3.413	
8,700.00	8,602.66	8,702.13	8,602.66	18.74	18.00	89.61	430.15	-829.42	114.01	80.48	33.54	3.400	
8,800.00	8,702.66	8,802.13	8,702.66	18.80	18.07	89.61	430.15	-829.42	114.01	80.35	33.66	3.387	
8,900.00	8,802.66	8,902.13	8,802.66	18.87	18.14	89.61	430.15	-829.42	114.01	80.22	33.79	3.374	
9,000.00	8,902.66	9,002.13	8,902.66	18.93	18.20	89.61	430.15	-829.42	114.01	80.09	33.92	3.361	
9,100.00	9,002.66	9,102.13	9,002.66	18.99	18.27	89.61	430.15	-829.42	114.01	79.96	34.05	3.348	
9,200.00	9,102.66	9,202.13	9,102.66	19.05	18.34	89.61	430.15	-829.42	114.01	79.83	34.18	3.335	
9,300.00	9,202.66	9,302.13	9,202.66	19.12	18.40	89.61	430.15	-829.42	114.01	79.70	34.31	3.323	
9,400.00	9,302.66	9,402.13	9,302.66	19.18	18.47	89.61	430.15	-829.42	114.01	79.57	34.44	3.310	
9,500.00	9,402.66	9,502.13	9,402.66	19.24	18.54	89.61	430.15	-829.42	114.01	79.44	34.57	3.298	
9,600.00	9,502.66	9,602.13	9,502.66	19.30	18.61	89.61	430.15	-829.42	114.01	79.31	34.70	3.285	
9,700.00	9,602.66	9,702.13	9,602.66	19.37	18.67	89.61	430.15	-829.42	114.01	79.18	34.84	3.273	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,702.66	9,802.13	9,702.66	19.43	18.74	89.61	430.15	-829.42	114.01	79.05	34.97	3.261	
9,900.00	9,802.66	9,902.13	9,802.66	19.49	18.81	89.61	430.15	-829.42	114.01	78.91	35.10	3.248	
10,000.00	9,902.66	10,002.13	9,902.66	19.56	18.88	89.61	430.15	-829.42	114.01	78.78	35.23	3.236	
10,100.00	10,002.66	10,102.13	10,002.66	19.62	18.94	89.61	430.15	-829.42	114.01	78.65	35.36	3.224	
10,200.00	10,102.66	10,202.13	10,102.66	19.69	19.01	89.61	430.15	-829.42	114.01	78.52	35.49	3.212	
10,300.00	10,202.66	10,302.13	10,202.66	19.75	19.08	89.61	430.15	-829.42	114.01	78.39	35.63	3.200	
10,400.00	10,302.66	10,402.13	10,302.66	19.81	19.15	89.61	430.15	-829.42	114.01	78.25	35.76	3.188	
10,500.00	10,402.66	10,502.13	10,402.66	19.88	19.22	89.61	430.15	-829.42	114.01	78.12	35.89	3.176	
10,600.00	10,502.66	10,602.13	10,502.66	19.94	19.29	89.61	430.15	-829.42	114.01	77.99	36.03	3.165	
10,700.00	10,602.66	10,702.13	10,602.66	20.01	19.35	89.61	430.15	-829.42	114.01	77.85	36.16	3.153	
10,800.00	10,702.66	10,802.13	10,702.66	20.07	19.42	89.61	430.15	-829.42	114.01	77.72	36.29	3.141	
10,900.00	10,802.66	10,902.13	10,802.66	20.14	19.49	89.61	430.15	-829.42	114.01	77.58	36.43	3.130	
11,000.00	10,902.66	11,002.13	10,902.66	20.20	19.56	89.61	430.15	-829.42	114.01	77.45	36.56	3.118	
11,100.00	11,002.66	11,102.13	11,002.66	20.27	19.63	89.61	430.15	-829.42	114.01	77.31	36.70	3.107	
11,175.34	11,078.00	11,177.47	11,078.00	20.31	19.68	89.61	430.15	-829.42	114.01	77.22	36.79	3.099	
11,190.54	11,093.20	11,192.66	11,093.20	20.31	19.69	-90.00	430.15	-829.42	114.01	77.21	36.80	3.098	
11,200.00	11,102.65	11,202.12	11,102.65	20.31	19.70	-90.17	430.15	-829.42	114.01	77.20	36.82	3.097	
11,250.00	11,152.45	11,251.91	11,152.45	20.33	19.73	-92.32	430.15	-829.42	114.11	77.19	36.92	3.091	SF
11,300.00	11,201.68	11,301.14	11,201.68	20.35	19.77	-96.50	430.15	-829.42	114.79	77.67	37.12	3.093	
11,350.00	11,249.97	11,349.43	11,249.97	20.35	19.80	-102.37	430.15	-829.42	116.99	79.56	37.43	3.126	
11,400.00	11,296.95	11,396.41	11,296.95	20.35	19.83	-109.33	430.15	-829.42	121.95	84.10	37.85	3.222	
11,450.00	11,342.26	11,441.73	11,342.26	20.35	19.87	-116.61	430.15	-829.42	130.93	92.59	38.34	3.415	
11,500.00	11,385.56	11,485.03	11,385.56	20.34	19.90	-123.47	430.15	-829.42	144.85	106.04	38.81	3.732	
11,550.00	11,426.53	11,525.99	11,426.53	20.33	19.92	-129.40	430.15	-829.42	164.08	124.88	39.19	4.186	
11,600.00	11,464.83	11,564.30	11,464.83	20.33	19.95	-134.16	430.15	-829.42	188.49	149.03	39.46	4.776	
11,650.00	11,500.20	11,599.66	11,500.20	20.34	19.97	-137.71	430.15	-829.42	217.67	178.03	39.64	5.491	
11,700.00	11,532.35	11,631.82	11,532.35	20.35	19.99	-140.08	430.15	-829.42	251.07	211.34	39.74	6.318	
11,750.00	11,561.05	11,666.55	11,567.09	20.38	20.01	-142.26	430.00	-829.42	288.06	248.29	39.78	7.242	
11,800.00	11,586.06	11,722.44	11,622.81	20.42	20.04	-146.61	426.00	-829.38	326.51	286.67	39.84	8.196	
11,850.00	11,607.21	11,789.58	11,688.83	20.48	20.05	-150.87	414.06	-829.28	365.09	324.99	40.10	9.105	
11,900.00	11,624.34	11,874.93	11,769.99	20.56	20.03	-155.20	387.88	-829.06	402.85	362.06	40.78	9.878	
11,950.00	11,637.30	11,991.24	11,872.55	20.66	19.98	-159.56	333.44	-828.59	438.21	395.89	42.33	10.354	
12,000.00	11,646.01	12,132.35	11,978.68	20.77	19.92	-162.88	241.07	-827.79	467.83	423.12	44.71	10.464	
12,050.00	11,650.40	12,405.12	12,107.86	20.91	20.01	-166.15	3.91	-825.75	486.78	436.96	49.81	9.772	
12,070.38	11,650.94	12,483.12	12,122.16	20.97	20.12	-166.41	-72.69	-825.09	489.15	438.38	50.77	9.634	
12,100.00	11,651.19	12,573.78	12,127.16	21.07	20.31	-166.53	-163.10	-824.31	489.45	437.90	51.55	9.495	
12,200.00	11,652.06	12,673.78	12,128.03	21.42	20.58	-166.53	-263.09	-823.45	489.45	437.67	51.78	9.453	
12,300.00	11,652.93	12,773.78	12,128.90	21.84	20.91	-166.53	-363.08	-822.59	489.46	437.43	52.03	9.407	
12,400.00	11,653.79	12,873.78	12,129.77	22.31	21.30	-166.53	-463.08	-821.73	489.46	437.16	52.30	9.358	
12,500.00	11,654.66	12,973.78	12,130.64	22.84	21.76	-166.53	-563.07	-820.87	489.47	436.87	52.60	9.306	
12,600.00	11,655.52	13,073.78	12,131.51	23.42	22.28	-166.53	-663.06	-820.01	489.47	436.56	52.91	9.250	
12,700.00	11,656.39	13,173.78	12,132.38	24.05	22.86	-166.53	-763.05	-819.15	489.48	436.23	53.25	9.192	
12,800.00	11,657.26	13,273.78	12,133.25	24.73	23.50	-166.53	-863.05	-818.29	489.48	435.87	53.61	9.131	
12,900.00	11,658.12	13,373.78	12,134.13	25.46	24.19	-166.53	-963.04	-817.43	489.49	435.50	53.98	9.067	
13,000.00	11,658.99	13,473.78	12,135.00	26.23	24.94	-166.53	-1,063.03	-816.57	489.49	435.11	54.38	9.002	
13,100.00	11,659.85	13,573.78	12,135.87	27.05	25.74	-166.53	-1,163.02	-815.71	489.50	434.70	54.79	8.934	
13,200.00	11,660.72	13,673.78	12,136.74	27.90	26.58	-166.53	-1,263.02	-814.85	489.50	434.28	55.22	8.864	
13,300.00	11,661.59	13,773.78	12,137.61	28.80	27.46	-166.53	-1,363.01	-813.98	489.51	433.83	55.67	8.793	
13,400.00	11,662.45	13,873.78	12,138.48	29.73	28.39	-166.53	-1,463.00	-813.12	489.51	433.37	56.14	8.719	
13,500.00	11,663.32	13,973.78	12,139.35	30.69	29.35	-166.53	-1,562.99	-812.26	489.52	432.89	56.63	8.645	
13,600.00	11,664.18	14,073.78	12,140.22	31.67	30.34	-166.53	-1,662.99	-811.40	489.52	432.39	57.13	8.569	
13,700.00	11,665.05	14,173.78	12,141.09	32.69	31.36	-166.53	-1,762.98	-810.54	489.53	431.88	57.64	8.492	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	11,665.92	14,273.78	12,141.97	33.73	32.41	-166.53	-1,862.97	-809.68	489.53	431.35	58.18	8.415	
13,900.00	11,666.78	14,373.78	12,142.84	34.79	33.48	-166.53	-1,962.96	-808.82	489.54	430.81	58.73	8.336	
14,000.00	11,667.65	14,473.78	12,143.71	35.88	34.57	-166.53	-2,062.96	-807.96	489.54	430.25	59.29	8.257	
14,100.00	11,668.51	14,573.78	12,144.58	36.98	35.68	-166.53	-2,162.95	-807.10	489.55	429.68	59.87	8.177	
14,200.00	11,669.38	14,673.78	12,145.45	38.10	36.81	-166.53	-2,262.94	-806.24	489.55	429.09	60.46	8.097	
14,300.00	11,670.24	14,773.78	12,146.32	39.23	37.96	-166.53	-2,362.93	-805.38	489.56	428.49	61.06	8.017	
14,400.00	11,671.11	14,873.78	12,147.19	40.38	39.12	-166.53	-2,462.93	-804.52	489.56	427.88	61.68	7.937	
14,500.00	11,671.98	14,973.78	12,148.06	41.55	40.30	-166.53	-2,562.92	-803.66	489.57	427.25	62.32	7.856	
14,600.00	11,672.84	15,073.78	12,148.94	42.72	41.48	-166.53	-2,662.91	-802.79	489.57	426.61	62.96	7.776	
14,700.00	11,673.71	15,173.78	12,149.81	43.91	42.68	-166.53	-2,762.90	-801.93	489.58	425.96	63.62	7.696	
14,800.00	11,674.57	15,273.78	12,150.68	45.11	43.89	-166.53	-2,862.90	-801.07	489.58	425.30	64.28	7.616	
14,900.00	11,675.44	15,373.78	12,151.55	46.32	45.11	-166.53	-2,962.89	-800.21	489.59	424.62	64.96	7.536	
15,000.00	11,676.31	15,473.78	12,152.42	47.53	46.33	-166.53	-3,062.88	-799.35	489.59	423.94	65.65	7.457	
15,100.00	11,677.17	15,573.78	12,153.29	48.76	47.57	-166.53	-3,162.87	-798.49	489.60	423.24	66.36	7.378	
15,200.00	11,678.04	15,673.78	12,154.16	49.99	48.81	-166.53	-3,262.87	-797.63	489.60	422.53	67.07	7.300	
15,300.00	11,678.90	15,773.78	12,155.03	51.23	50.06	-166.53	-3,362.86	-796.77	489.61	421.82	67.79	7.222	
15,400.00	11,679.77	15,873.78	12,155.90	52.47	51.32	-166.53	-3,462.85	-795.91	489.61	421.09	68.52	7.145	
15,500.00	11,680.64	15,973.78	12,156.78	53.73	52.58	-166.53	-3,562.84	-795.05	489.62	420.35	69.26	7.069	
15,600.00	11,681.50	16,073.78	12,157.65	54.98	53.84	-166.53	-3,662.84	-794.19	489.62	419.61	70.01	6.994	
15,700.00	11,682.37	16,173.78	12,158.52	56.25	55.11	-166.53	-3,762.83	-793.33	489.63	418.86	70.77	6.919	
15,800.00	11,683.23	16,273.78	12,159.39	57.52	56.39	-166.53	-3,862.82	-792.47	489.63	418.09	71.54	6.844	
15,900.00	11,684.10	16,373.78	12,160.26	58.79	57.67	-166.53	-3,962.81	-791.61	489.64	417.32	72.31	6.771	
16,000.00	11,684.97	16,473.78	12,161.13	60.06	58.96	-166.54	-4,062.81	-790.74	489.64	416.55	73.10	6.699	
16,100.00	11,685.83	16,573.78	12,162.00	61.35	60.24	-166.54	-4,162.80	-789.88	489.65	415.76	73.89	6.627	
16,200.00	11,686.70	16,673.78	12,162.87	62.63	61.54	-166.54	-4,262.79	-789.02	489.65	414.97	74.68	6.556	
16,300.00	11,687.56	16,773.78	12,163.74	63.92	62.83	-166.54	-4,362.78	-788.16	489.66	414.17	75.49	6.486	
16,400.00	11,688.43	16,873.78	12,164.62	65.21	64.13	-166.54	-4,462.78	-787.30	489.66	413.36	76.30	6.417	
16,500.00	11,689.30	16,973.78	12,165.49	66.51	65.43	-166.54	-4,562.77	-786.44	489.67	412.54	77.12	6.349	
16,600.00	11,690.16	17,073.78	12,166.36	67.80	66.74	-166.54	-4,662.76	-785.58	489.67	411.72	77.95	6.282	
16,700.00	11,691.03	17,173.78	12,167.23	69.10	68.04	-166.54	-4,762.75	-784.72	489.68	410.89	78.78	6.216	
16,800.00	11,691.89	17,273.78	12,168.10	70.41	69.35	-166.54	-4,862.75	-783.86	489.68	410.06	79.62	6.150	
16,900.00	11,692.76	17,373.78	12,168.97	71.71	70.66	-166.54	-4,962.74	-783.00	489.69	409.22	80.47	6.086	
17,000.00	11,693.63	17,473.78	12,169.84	73.02	71.98	-166.54	-5,062.73	-782.14	489.69	408.38	81.32	6.022	
17,100.00	11,694.49	17,573.78	12,170.71	74.33	73.29	-166.54	-5,162.72	-781.28	489.70	407.52	82.17	5.959	
17,200.00	11,695.36	17,673.78	12,171.58	75.64	74.61	-166.54	-5,262.72	-780.42	489.70	406.67	83.03	5.898	
17,300.00	11,696.22	17,773.78	12,172.46	76.96	75.93	-166.54	-5,362.71	-779.55	489.71	405.81	83.90	5.837	
17,400.00	11,697.09	17,873.78	12,173.33	78.28	77.25	-166.54	-5,462.70	-778.69	489.71	404.94	84.77	5.777	
17,500.00	11,697.96	17,973.78	12,174.20	79.59	78.58	-166.54	-5,562.69	-777.83	489.72	404.07	85.65	5.718	
17,600.00	11,698.82	18,073.78	12,175.07	80.91	79.90	-166.54	-5,662.69	-776.97	489.72	403.19	86.53	5.660	
17,700.00	11,699.69	18,173.78	12,175.94	82.24	81.23	-166.54	-5,762.68	-776.11	489.73	402.31	87.42	5.602	
17,800.00	11,700.55	18,273.78	12,176.81	83.56	82.56	-166.54	-5,862.67	-775.25	489.73	401.42	88.31	5.546	
17,900.00	11,701.42	18,373.78	12,177.68	84.88	83.89	-166.54	-5,962.66	-774.39	489.74	400.53	89.20	5.490	
18,000.00	11,702.29	18,473.78	12,178.55	86.21	85.22	-166.54	-6,062.66	-773.53	489.74	399.64	90.10	5.435	
18,100.00	11,703.15	18,573.78	12,179.42	87.54	86.55	-166.54	-6,162.65	-772.67	489.75	398.74	91.01	5.381	
18,200.00	11,704.02	18,673.78	12,180.30	88.87	87.88	-166.54	-6,262.64	-771.81	489.75	397.84	91.91	5.328	
18,300.00	11,704.88	18,773.78	12,181.17	90.20	89.22	-166.54	-6,362.63	-770.95	489.76	396.93	92.83	5.276	
18,400.00	11,705.75	18,873.78	12,182.04	91.53	90.55	-166.54	-6,462.63	-770.09	489.76	396.02	93.74	5.225	
18,500.00	11,706.62	18,973.78	12,182.91	92.86	91.89	-166.54	-6,562.62	-769.23	489.77	395.11	94.66	5.174	
18,600.00	11,707.48	19,073.78	12,183.78	94.19	93.22	-166.54	-6,662.61	-768.37	489.77	394.19	95.58	5.124	
18,700.00	11,708.35	19,173.78	12,184.65	95.53	94.56	-166.54	-6,762.60	-767.50	489.78	393.27	96.51	5.075	
18,800.00	11,709.21	19,273.78	12,185.52	96.87	95.90	-166.54	-6,862.60	-766.64	489.78	392.34	97.44	5.027	
18,900.00	11,710.08	19,373.78	12,186.39	98.20	97.24	-166.54	-6,962.59	-765.78	489.79	391.42	98.37	4.979	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
19,000.00	11,710.95	19,473.78	12,187.26	99.54	98.58	-166.54	-7,062.58	-764.92	489.79	390.48	99.31	4.932	
19,100.00	11,711.81	19,573.78	12,188.14	100.88	99.92	-166.54	-7,162.57	-764.06	489.80	389.55	100.24	4.886	
19,200.00	11,712.68	19,673.78	12,189.01	102.22	101.27	-166.54	-7,262.57	-763.20	489.80	388.61	101.19	4.841	
19,300.00	11,713.54	19,773.78	12,189.88	103.56	102.61	-166.54	-7,362.56	-762.34	489.81	387.67	102.13	4.796	
19,400.00	11,714.41	19,873.78	12,190.75	104.90	103.95	-166.54	-7,462.55	-761.48	489.81	386.73	103.08	4.752	
19,500.00	11,715.28	19,973.78	12,191.62	106.24	105.30	-166.54	-7,562.54	-760.62	489.82	385.79	104.03	4.708	
19,600.00	11,716.14	20,073.78	12,192.49	107.58	106.64	-166.54	-7,662.54	-759.76	489.82	384.84	104.98	4.666	
19,700.00	11,717.01	20,173.78	12,193.36	108.92	107.99	-166.54	-7,762.53	-758.90	489.83	383.89	105.94	4.624	
19,800.00	11,717.87	20,273.78	12,194.23	110.27	109.33	-166.54	-7,862.52	-758.04	489.83	382.93	106.90	4.582	
19,900.00	11,718.74	20,373.78	12,195.11	111.61	110.68	-166.54	-7,962.51	-757.18	489.84	381.98	107.86	4.542	
20,000.00	11,719.61	20,473.78	12,195.98	112.96	112.03	-166.54	-8,062.51	-756.32	489.84	381.02	108.82	4.501	
20,100.00	11,720.47	20,573.78	12,196.85	114.30	113.38	-166.54	-8,162.50	-755.45	489.85	380.06	109.79	4.462	
20,200.00	11,721.34	20,673.78	12,197.72	115.65	114.72	-166.54	-8,262.49	-754.59	489.85	379.10	110.75	4.423	
20,300.00	11,722.20	20,773.78	12,198.59	117.00	116.07	-166.54	-8,362.48	-753.73	489.86	378.13	111.72	4.385	
20,400.00	11,723.07	20,873.78	12,199.46	118.34	117.42	-166.54	-8,462.48	-752.87	489.86	377.17	112.69	4.347	
20,500.00	11,723.94	20,973.78	12,200.33	119.69	118.77	-166.54	-8,562.47	-752.01	489.87	376.20	113.67	4.310	
20,600.00	11,724.80	21,073.78	12,201.20	121.04	120.12	-166.54	-8,662.46	-751.15	489.87	375.23	114.65	4.273	
20,700.00	11,725.67	21,173.78	12,202.07	122.39	121.47	-166.54	-8,762.45	-750.29	489.88	374.25	115.62	4.237	
20,800.00	11,726.53	21,273.78	12,202.95	123.74	122.83	-166.54	-8,862.45	-749.43	489.88	373.28	116.60	4.201	
20,900.00	11,727.40	21,373.78	12,203.82	125.09	124.18	-166.54	-8,962.44	-748.57	489.89	372.30	117.59	4.166	
21,000.00	11,728.27	21,473.78	12,204.69	126.44	125.53	-166.54	-9,062.43	-747.71	489.89	371.32	118.57	4.132	
21,100.00	11,729.13	21,573.78	12,205.56	127.79	126.88	-166.54	-9,162.42	-746.85	489.90	370.34	119.56	4.098	
21,200.00	11,730.00	21,673.78	12,206.43	129.14	128.24	-166.54	-9,262.42	-745.99	489.90	369.36	120.54	4.064	
21,300.00	11,730.86	21,773.78	12,207.30	130.49	129.59	-166.54	-9,362.41	-745.13	489.91	368.37	121.53	4.031	
21,400.00	11,731.73	21,873.78	12,208.17	131.84	130.94	-166.54	-9,462.40	-744.26	489.91	367.39	122.52	3.999	
21,500.00	11,732.60	21,973.78	12,209.04	133.19	132.30	-166.54	-9,562.39	-743.40	489.92	366.40	123.52	3.966	
21,600.00	11,733.46	22,073.78	12,209.91	134.54	133.65	-166.54	-9,662.39	-742.54	489.92	365.41	124.51	3.935	
21,700.00	11,734.33	22,173.78	12,210.79	135.90	135.00	-166.54	-9,762.38	-741.68	489.93	364.42	125.51	3.904	
21,800.00	11,735.19	22,273.78	12,211.66	137.25	136.36	-166.54	-9,862.37	-740.82	489.93	363.43	126.50	3.873	
21,900.00	11,736.06	22,373.78	12,212.53	138.60	137.71	-166.54	-9,962.36	-739.96	489.94	362.43	127.50	3.843	
22,000.00	11,736.93	22,473.78	12,213.40	139.96	139.07	-166.54	-10,062.36	-739.10	489.94	361.44	128.50	3.813	
22,008.51	11,737.00	22,482.29	12,213.47	140.07	139.19	-166.54	-10,070.87	-739.03	489.94	361.36	128.59	3.810	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	135.00	0.00	135.00				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	135.00	0.00	135.00	133.05	1.95	69.056	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	135.00	0.00	135.00	131.88	3.12	43.321	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	135.00	0.00	135.00	131.04	3.96	34.107	
400.00	400.00	399.00	399.00	2.33	2.33	0.00	135.00	0.00	135.00	130.34	4.66	28.999	
500.00	500.00	499.00	499.00	2.63	2.63	0.00	135.00	0.00	135.00	129.73	5.27	25.636	
600.00	599.99	598.99	598.99	2.98	2.91	66.04	135.00	0.00	134.46	128.64	5.83	23.082	
700.00	699.91	698.91	698.91	3.29	3.16	67.61	135.00	0.00	132.92	126.58	6.34	20.979	
800.00	799.69	798.69	798.69	3.58	3.40	70.29	135.00	0.00	130.56	123.75	6.81	19.174	
833.33	832.91	831.26	831.26	3.60	3.48	71.47	135.07	0.11	129.74	122.83	6.91	18.779	
900.00	899.32	896.23	896.22	3.70	3.66	74.24	135.64	1.03	128.72	121.57	7.16	17.989	
928.83	928.05	924.28	924.25	3.76	3.74	75.57	136.07	1.72	128.62	121.33	7.28	17.659	CC, ES
1,000.00	998.94	993.36	993.27	3.92	3.92	79.10	137.58	4.16	129.30	121.70	7.60	17.013	
1,100.00	1,098.56	1,090.00	1,089.72	4.14	4.16	84.52	140.80	9.35	132.80	124.77	8.04	16.523	
1,200.00	1,198.18	1,187.64	1,187.01	4.36	4.28	90.16	145.15	16.38	139.28	130.90	8.37	16.636	
1,201.83	1,200.00	1,189.45	1,188.81	4.36	4.28	90.26	145.24	16.51	139.41	131.03	8.38	16.640	
1,300.00	1,297.68	1,286.28	1,285.28	4.60	4.46	95.72	149.68	23.68	147.37	138.59	8.77	16.800	
1,400.00	1,396.88	1,384.50	1,383.12	4.86	4.65	101.53	154.19	30.96	157.27	148.08	9.19	17.115	
1,500.00	1,495.72	1,482.23	1,480.48	5.10	4.84	107.38	158.68	38.20	169.46	159.85	9.62	17.624	
1,600.00	1,594.13	1,579.41	1,577.29	5.35	5.03	113.08	163.15	45.40	184.30	174.25	10.05	18.338	
1,634.85	1,628.31	1,613.13	1,610.88	5.39	5.09	115.00	164.69	47.89	190.15	179.98	10.17	18.701	
1,700.00	1,692.16	1,676.10	1,673.61	5.49	5.21	118.50	167.59	52.56	201.79	191.37	10.41	19.381	
1,800.00	1,790.15	1,772.76	1,769.90	5.70	5.40	123.15	172.03	59.72	220.92	210.08	10.84	20.383	
1,900.00	1,888.15	1,869.41	1,866.19	5.90	5.58	127.05	176.47	66.88	241.26	230.01	11.26	21.432	
2,000.00	1,986.14	1,966.07	1,962.48	6.11	5.76	130.35	180.90	74.04	262.54	250.87	11.67	22.499	
2,100.00	2,084.14	2,062.73	2,058.77	6.32	5.94	133.16	185.34	81.20	284.53	272.46	12.07	23.564	
2,200.00	2,182.13	2,159.38	2,155.06	6.53	6.13	135.56	189.78	88.36	307.09	294.61	12.48	24.605	
2,300.00	2,280.12	2,253.32	2,248.62	6.75	6.30	137.58	194.21	95.49	330.32	317.45	12.87	25.674	
2,400.00	2,378.12	2,344.41	2,339.21	6.97	6.47	139.22	199.18	103.51	355.21	341.98	13.23	26.846	
2,500.00	2,476.11	2,434.84	2,429.00	7.20	6.64	140.58	204.86	112.67	381.82	368.22	13.60	28.084	
2,600.00	2,574.11	2,524.57	2,517.91	7.44	6.81	141.70	211.24	122.96	410.05	396.09	13.96	29.381	
2,700.00	2,672.10	2,613.58	2,605.90	7.69	6.99	142.61	218.29	134.33	439.82	425.50	14.31	30.725	
2,800.00	2,770.10	2,700.00	2,691.13	7.94	7.15	143.33	225.82	146.49	471.06	456.40	14.66	32.136	
2,900.00	2,868.09	2,789.27	2,778.94	8.20	7.33	143.93	234.31	160.18	503.72	488.69	15.02	33.528	
3,000.00	2,966.08	2,875.90	2,863.89	8.46	7.51	144.38	243.24	174.59	537.75	522.37	15.38	34.963	
3,100.00	3,064.08	2,967.01	2,953.03	8.72	7.69	144.76	253.18	190.62	572.82	557.06	15.76	36.338	
3,200.00	3,162.07	3,060.56	3,044.54	8.98	7.87	145.11	263.43	207.15	607.99	591.82	16.16	37.612	
3,300.00	3,260.07	3,154.12	3,136.05	9.25	8.06	145.41	273.67	223.68	643.17	626.60	16.57	38.817	
3,400.00	3,358.06	3,247.67	3,227.56	9.51	8.25	145.69	283.92	240.20	678.37	661.39	16.98	39.962	
3,500.00	3,456.05	3,341.23	3,319.07	9.77	8.44	145.94	294.16	256.73	713.58	696.19	17.38	41.051	
3,600.00	3,554.05	3,434.78	3,410.58	10.04	8.64	146.16	304.41	273.25	748.80	731.00	17.79	42.088	
3,700.00	3,652.04	3,528.34	3,502.10	10.31	8.84	146.37	314.65	289.78	784.02	765.82	18.20	43.075	
3,800.00	3,750.04	3,621.89	3,593.61	10.57	9.04	146.55	324.90	306.30	819.26	800.65	18.61	44.017	
3,900.00	3,848.03	3,715.44	3,685.12	10.84	9.24	146.72	335.14	322.83	854.50	835.48	19.02	44.916	
4,000.00	3,946.02	3,809.00	3,776.63	11.11	9.46	146.88	345.38	339.36	889.75	870.32	19.44	45.774	
4,100.00	4,044.02	3,902.55	3,868.14	11.37	9.68	147.03	355.63	355.88	925.01	905.16	19.85	46.594	
4,200.00	4,142.01	3,996.11	3,959.65	11.64	9.90	147.16	365.87	372.41	960.27	940.00	20.27	47.378	
4,300.00	4,240.01	4,094.63	4,056.04	11.91	10.11	147.30	376.62	389.74	995.47	974.80	20.67	48.153	
4,400.00	4,338.00	4,206.60	4,165.91	12.18	10.37	147.48	388.00	408.09	1,029.44	1,008.26	21.17	48.617	
4,500.00	4,435.99	4,319.93	4,277.52	12.45	10.63	147.70	398.36	424.81	1,061.74	1,040.06	21.67	48.990	
4,600.00	4,533.99	4,434.55	4,390.77	12.72	10.87	147.96	407.65	439.80	1,092.34	1,070.17	22.16	49.286	
4,700.00	4,631.98	4,550.39	4,505.56	12.99	11.10	148.27	415.83	453.00	1,121.22	1,098.58	22.64	49.513	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,729.98	4,667.36	4,621.77	13.26	11.32	148.61	422.85	464.32	1,148.37	1,125.25	23.12	49.678	
4,900.00	4,827.97	4,785.40	4,739.29	13.53	11.52	148.98	428.66	473.70	1,173.77	1,150.19	23.58	49.788	
5,000.00	4,925.97	4,904.40	4,857.98	13.80	11.70	149.40	433.23	481.06	1,197.41	1,173.39	24.02	49.849	
5,100.00	5,023.96	5,024.29	4,977.70	14.07	11.87	149.85	436.52	486.37	1,219.27	1,194.83	24.45	49.874	
5,200.00	5,121.95	5,144.96	5,098.31	14.34	12.02	150.34	438.49	489.55	1,239.37	1,214.51	24.85	49.865	
5,300.00	5,219.95	5,266.32	5,219.66	14.61	12.13	150.87	439.13	490.58	1,257.69	1,232.48	25.20	49.899	
5,400.00	5,317.94	5,363.60	5,316.94	14.88	12.20	151.30	439.13	490.58	1,275.22	1,249.74	25.48	50.053	
5,500.00	5,415.94	5,461.60	5,414.94	15.15	12.28	151.72	439.13	490.58	1,292.81	1,267.04	25.77	50.173	
5,600.00	5,513.93	5,559.59	5,512.93	15.42	12.36	152.13	439.13	490.58	1,310.47	1,284.42	26.06	50.294	
5,700.00	5,611.92	5,657.59	5,610.92	15.69	12.43	152.53	439.13	490.58	1,328.20	1,301.85	26.35	50.415	
5,800.00	5,709.92	5,755.58	5,708.92	15.96	12.51	152.92	439.13	490.58	1,345.99	1,319.35	26.63	50.535	
5,900.00	5,807.91	5,853.57	5,806.91	16.24	12.59	153.30	439.13	490.58	1,363.83	1,336.91	26.93	50.646	
5,905.98	5,813.78	5,859.44	5,812.78	16.26	12.60	153.32	439.13	490.58	1,364.90	1,337.96	26.95	50.653	
6,000.00	5,906.13	5,951.79	5,905.13	16.50	12.67	153.76	439.13	490.58	1,380.72	1,353.50	27.22	50.727	
6,100.00	6,004.80	6,050.46	6,003.80	16.73	12.75	154.15	439.13	490.58	1,395.33	1,367.82	27.51	50.729	
6,200.00	6,103.86	6,149.53	6,102.86	16.93	12.83	154.47	439.13	490.58	1,407.63	1,379.85	27.78	50.664	
6,300.00	6,203.25	6,248.91	6,202.25	17.11	12.91	154.73	439.13	490.58	1,417.61	1,389.56	28.05	50.535	
6,400.00	6,302.89	6,348.55	6,301.89	17.27	12.99	154.92	439.13	490.58	1,425.24	1,396.93	28.31	50.345	
6,500.00	6,402.72	6,448.38	6,401.72	17.39	13.07	155.05	439.13	490.58	1,430.52	1,401.96	28.55	50.099	
6,600.00	6,502.67	6,548.33	6,501.67	17.49	13.15	155.12	439.13	490.58	1,433.42	1,404.64	28.78	49.804	
6,672.34	6,575.00	6,620.66	6,574.00	17.53	13.21	89.61	439.13	490.58	1,434.04	1,405.15	28.89	49.633	
6,700.00	6,602.66	6,648.32	6,601.66	17.54	13.24	89.61	439.13	490.58	1,434.04	1,405.12	28.92	49.586	
6,800.00	6,702.66	6,748.32	6,701.66	17.60	13.32	89.61	439.13	490.58	1,434.04	1,404.99	29.06	49.355	
6,900.00	6,802.66	6,848.32	6,801.66	17.66	13.40	89.61	439.13	490.58	1,434.04	1,404.85	29.19	49.125	
7,000.00	6,902.66	6,948.32	6,901.66	17.71	13.48	89.61	439.13	490.58	1,434.04	1,404.72	29.33	48.897	
7,100.00	7,002.66	7,048.32	7,001.66	17.77	13.56	89.61	439.13	490.58	1,434.04	1,404.58	29.46	48.671	
7,200.00	7,102.66	7,148.32	7,101.66	17.83	13.64	89.61	439.13	490.58	1,434.04	1,404.44	29.60	48.447	
7,300.00	7,202.66	7,248.32	7,201.66	17.89	13.72	89.61	439.13	490.58	1,434.04	1,404.31	29.74	48.224	
7,400.00	7,302.66	7,348.32	7,301.66	17.95	13.80	89.61	439.13	490.58	1,434.04	1,404.17	29.87	48.003	
7,500.00	7,402.66	7,448.32	7,401.66	18.01	13.88	89.61	439.13	490.58	1,434.04	1,404.03	30.01	47.784	
7,600.00	7,502.66	7,548.32	7,501.66	18.07	13.96	89.61	439.13	490.58	1,434.04	1,403.89	30.15	47.566	
7,700.00	7,602.66	7,648.32	7,601.66	18.13	14.05	89.61	439.13	490.58	1,434.04	1,403.76	30.29	47.350	
7,800.00	7,702.66	7,748.32	7,701.66	18.19	14.13	89.61	439.13	490.58	1,434.04	1,403.62	30.42	47.135	
7,900.00	7,802.66	7,848.32	7,801.66	18.25	14.21	89.61	439.13	490.58	1,434.04	1,403.48	30.56	46.922	
8,000.00	7,902.66	7,948.32	7,901.66	18.31	14.29	89.61	439.13	490.58	1,434.04	1,403.34	30.70	46.711	
8,100.00	8,002.66	8,048.32	8,001.66	18.37	14.37	89.61	439.13	490.58	1,434.04	1,403.20	30.84	46.501	
8,200.00	8,102.66	8,148.32	8,101.66	18.43	14.45	89.61	439.13	490.58	1,434.04	1,403.07	30.98	46.292	
8,300.00	8,202.66	8,248.32	8,201.66	18.50	14.53	89.61	439.13	490.58	1,434.04	1,402.93	31.12	46.086	
8,400.00	8,302.66	8,348.32	8,301.66	18.56	14.61	89.61	439.13	490.58	1,434.04	1,402.79	31.26	45.880	
8,500.00	8,402.66	8,448.32	8,401.66	18.62	14.69	89.61	439.13	490.58	1,434.04	1,402.65	31.40	45.677	
8,600.00	8,502.66	8,548.32	8,501.66	18.68	14.77	89.61	439.13	490.58	1,434.04	1,402.51	31.54	45.475	
8,700.00	8,602.66	8,648.32	8,601.66	18.74	14.86	89.61	439.13	490.58	1,434.04	1,402.37	31.67	45.274	
8,800.00	8,702.66	8,748.32	8,701.66	18.80	14.94	89.61	439.13	490.58	1,434.04	1,402.23	31.81	45.075	
8,900.00	8,802.66	8,848.32	8,801.66	18.87	15.02	89.61	439.13	490.58	1,434.04	1,402.09	31.96	44.877	
9,000.00	8,902.66	8,948.32	8,901.66	18.93	15.10	89.61	439.13	490.58	1,434.04	1,401.95	32.10	44.680	
9,100.00	9,002.66	9,048.32	9,001.66	18.99	15.18	89.61	439.13	490.58	1,434.04	1,401.81	32.24	44.486	
9,200.00	9,102.66	9,148.32	9,101.66	19.05	15.26	89.61	439.13	490.58	1,434.04	1,401.67	32.38	44.292	
9,300.00	9,202.66	9,248.32	9,201.66	19.12	15.34	89.61	439.13	490.58	1,434.04	1,401.53	32.52	44.100	
9,400.00	9,302.66	9,348.32	9,301.66	19.18	15.42	89.61	439.13	490.58	1,434.04	1,401.38	32.66	43.909	
9,500.00	9,402.66	9,448.32	9,401.66	19.24	15.50	89.61	439.13	490.58	1,434.04	1,401.24	32.80	43.720	
9,600.00	9,502.66	9,548.32	9,501.66	19.30	15.59	89.61	439.13	490.58	1,434.04	1,401.10	32.94	43.532	
9,700.00	9,602.66	9,648.32	9,601.66	19.37	15.67	89.61	439.13	490.58	1,434.04	1,400.96	33.08	43.346	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	9,702.66	9,748.32	9,701.66	19.43	15.75	89.61	439.13	490.58	1,434.04	1,400.82	33.23	43.161	
9,900.00	9,802.66	9,848.32	9,801.66	19.49	15.83	89.61	439.13	490.58	1,434.04	1,400.68	33.37	42.977	
10,000.00	9,902.66	9,948.32	9,901.66	19.56	15.91	89.61	439.13	490.58	1,434.04	1,400.53	33.51	42.795	
10,100.00	10,002.66	10,048.32	10,001.66	19.62	15.99	89.61	439.13	490.58	1,434.04	1,400.39	33.65	42.613	
10,200.00	10,102.66	10,148.32	10,101.66	19.69	16.07	89.61	439.13	490.58	1,434.04	1,400.25	33.79	42.434	
10,300.00	10,202.66	10,248.32	10,201.66	19.75	16.15	89.61	439.13	490.58	1,434.04	1,400.11	33.94	42.255	
10,400.00	10,302.66	10,348.32	10,301.66	19.81	16.23	89.61	439.13	490.58	1,434.04	1,399.96	34.08	42.078	
10,500.00	10,402.66	10,448.32	10,401.66	19.88	16.32	89.61	439.13	490.58	1,434.04	1,399.82	34.22	41.902	
10,600.00	10,502.66	10,548.32	10,501.66	19.94	16.40	89.61	439.13	490.58	1,434.04	1,399.68	34.37	41.727	
10,700.00	10,602.66	10,648.32	10,601.66	20.01	16.48	89.61	439.13	490.58	1,434.04	1,399.53	34.51	41.554	
10,800.00	10,702.66	10,748.32	10,701.66	20.07	16.56	89.61	439.13	490.58	1,434.04	1,399.39	34.65	41.382	
10,900.00	10,802.66	10,848.32	10,801.66	20.14	16.64	89.61	439.13	490.58	1,434.04	1,399.25	34.80	41.211	
11,000.00	10,902.66	10,948.32	10,901.66	20.20	16.72	89.61	439.13	490.58	1,434.04	1,399.10	34.94	41.041	
11,100.00	11,002.66	11,048.32	11,001.66	20.27	16.80	89.61	439.13	490.58	1,434.04	1,398.96	35.09	40.872	
11,175.34	11,078.00	11,123.66	11,077.00	20.31	16.86	89.61	439.13	490.58	1,434.04	1,398.86	35.18	40.757	
11,200.00	11,102.65	11,148.31	11,101.65	20.31	16.88	-89.92	439.13	490.58	1,434.04	1,398.84	35.20	40.735	
11,229.78	11,132.36	11,178.02	11,131.36	20.32	16.91	-90.00	439.13	490.58	1,434.04	1,398.83	35.22	40.722	
11,250.00	11,152.45	11,198.11	11,151.45	20.33	16.92	-90.09	439.13	490.58	1,434.04	1,398.82	35.22	40.712	
11,300.00	11,201.68	11,247.34	11,200.68	20.35	16.96	-90.43	439.13	490.58	1,434.08	1,398.85	35.23	40.708	
11,350.00	11,249.97	11,295.63	11,248.97	20.35	17.00	-90.91	439.13	490.58	1,434.24	1,399.02	35.22	40.724	
11,400.00	11,296.95	11,342.61	11,295.95	20.35	17.04	-91.51	439.13	490.58	1,434.62	1,399.43	35.20	40.762	
11,450.00	11,342.26	11,387.92	11,341.26	20.35	17.08	-92.20	439.13	490.58	1,435.38	1,400.22	35.16	40.825	
11,500.00	11,385.56	11,431.23	11,384.56	20.34	17.11	-92.93	439.13	490.58	1,436.68	1,401.56	35.11	40.918	
11,550.00	11,426.53	11,472.19	11,425.53	20.33	17.15	-93.66	439.13	490.58	1,438.69	1,403.64	35.05	41.043	
11,600.00	11,464.83	11,510.50	11,463.83	20.33	17.18	-94.35	439.13	490.58	1,441.63	1,406.64	34.99	41.205	
11,650.00	11,500.20	11,545.86	11,499.20	20.34	17.21	-94.93	439.13	490.58	1,445.68	1,410.76	34.91	41.408	
11,700.00	11,532.35	11,578.01	11,531.35	20.35	17.23	-95.37	439.13	490.58	1,451.02	1,416.18	34.83	41.655	
11,750.00	11,561.05	11,612.65	11,565.99	20.38	17.27	-95.81	438.98	490.58	1,457.81	1,423.06	34.75	41.952	
11,800.00	11,586.06	11,668.02	11,621.20	20.42	17.32	-96.82	435.06	490.62	1,465.83	1,431.17	34.66	42.295	
11,850.00	11,607.21	11,734.36	11,686.46	20.48	17.36	-98.04	423.37	490.72	1,474.84	1,440.27	34.57	42.662	
11,900.00	11,624.34	11,789.29	11,739.07	20.56	17.40	-98.75	407.69	490.85	1,484.61	1,450.10	34.50	43.030	
11,950.00	11,637.30	11,932.43	11,867.37	20.66	17.48	-101.89	345.19	491.39	1,494.60	1,459.93	34.67	43.103	
12,000.00	11,646.01	12,097.83	11,990.73	20.77	17.61	-104.88	235.87	492.33	1,503.75	1,468.59	35.15	42.776	
12,050.00	11,650.40	12,338.14	12,103.34	20.91	17.95	-107.76	25.58	494.14	1,509.91	1,473.73	36.18	41.734	
12,070.38	11,650.94	12,455.13	12,124.23	20.97	18.22	-108.31	-89.32	495.13	1,510.89	1,474.22	36.68	41.197	
12,100.00	11,651.19	12,517.59	12,126.14	21.07	18.40	-108.36	-151.73	495.67	1,510.97	1,474.02	36.94	40.900	
12,200.00	11,652.06	12,617.59	12,127.01	21.42	18.76	-108.36	-251.72	496.53	1,510.97	1,473.43	37.53	40.256	
12,300.00	11,652.93	12,717.59	12,127.88	21.84	19.18	-108.36	-351.72	497.39	1,510.97	1,472.68	38.29	39.457	
12,400.00	11,653.79	12,817.59	12,128.75	22.31	19.68	-108.36	-451.71	498.25	1,510.97	1,471.76	39.21	38.531	
12,500.00	11,654.66	12,917.59	12,129.62	22.84	20.26	-108.36	-551.70	499.11	1,510.97	1,470.69	40.28	37.507	
12,600.00	11,655.52	13,017.59	12,130.49	23.42	20.91	-108.36	-651.69	499.97	1,510.98	1,469.48	41.49	36.416	
12,700.00	11,656.39	13,117.59	12,131.36	24.05	21.64	-108.36	-751.69	500.83	1,510.98	1,468.15	42.83	35.282	
12,800.00	11,657.26	13,217.59	12,132.24	24.73	22.42	-108.36	-851.68	501.69	1,510.98	1,466.71	44.27	34.129	
12,900.00	11,658.12	13,317.59	12,133.11	25.46	23.26	-108.36	-951.67	502.56	1,510.98	1,465.16	45.82	32.973	
13,000.00	11,658.99	13,417.59	12,133.98	26.23	24.15	-108.36	-1,051.66	503.42	1,510.98	1,463.51	47.47	31.831	
13,100.00	11,659.85	13,517.59	12,134.85	27.05	25.09	-108.36	-1,151.66	504.28	1,510.98	1,461.79	49.20	30.712	
13,200.00	11,660.72	13,617.59	12,135.72	27.90	26.06	-108.36	-1,251.65	505.14	1,510.99	1,459.98	51.00	29.626	
13,300.00	11,661.59	13,717.59	12,136.59	28.80	27.08	-108.36	-1,351.64	506.00	1,510.99	1,458.11	52.88	28.577	
13,400.00	11,662.45	13,817.59	12,137.46	29.73	28.12	-108.36	-1,451.63	506.86	1,510.99	1,456.18	54.81	27.569	
13,500.00	11,663.32	13,917.59	12,138.34	30.69	29.19	-108.36	-1,551.63	507.72	1,510.99	1,454.20	56.80	26.604	
13,600.00	11,664.18	14,017.59	12,139.21	31.67	30.29	-108.36	-1,651.62	508.58	1,510.99	1,452.16	58.83	25.683	
13,700.00	11,665.05	14,117.59	12,140.08	32.69	31.41	-108.36	-1,751.61	509.44	1,511.00	1,450.08	60.91	24.805	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	11,665.92	14,217.59	12,140.95	33.73	32.55	-108.36	-1,851.60	510.30	1,511.00	1,447.96	63.03	23.971	
13,900.00	11,666.78	14,317.59	12,141.82	34.79	33.70	-108.36	-1,951.60	511.17	1,511.00	1,445.81	65.19	23.178	
14,000.00	11,667.65	14,417.59	12,142.69	35.88	34.88	-108.36	-2,051.59	512.03	1,511.00	1,443.62	67.38	22.425	
14,100.00	11,668.51	14,517.59	12,143.56	36.98	36.06	-108.36	-2,151.58	512.89	1,511.00	1,441.41	69.60	21.710	
14,200.00	11,669.38	14,617.59	12,144.44	38.10	37.26	-108.37	-2,251.57	513.75	1,511.01	1,439.16	71.84	21.032	
14,300.00	11,670.24	14,717.59	12,145.31	39.23	38.47	-108.37	-2,351.57	514.61	1,511.01	1,436.89	74.11	20.388	
14,400.00	11,671.11	14,817.59	12,146.18	40.38	39.70	-108.37	-2,451.56	515.47	1,511.01	1,434.60	76.41	19.776	
14,500.00	11,671.98	14,917.59	12,147.05	41.55	40.93	-108.37	-2,551.55	516.33	1,511.01	1,432.30	78.72	19.196	
14,600.00	11,672.84	15,017.59	12,147.92	42.72	42.17	-108.37	-2,651.54	517.19	1,511.01	1,429.97	81.05	18.644	
14,700.00	11,673.71	15,117.59	12,148.79	43.91	43.42	-108.37	-2,751.54	518.05	1,511.02	1,427.62	83.39	18.119	
14,800.00	11,674.57	15,217.59	12,149.66	45.11	44.67	-108.37	-2,851.53	518.91	1,511.02	1,425.26	85.76	17.620	
14,900.00	11,675.44	15,317.59	12,150.54	46.32	45.94	-108.37	-2,951.52	519.78	1,511.02	1,422.89	88.13	17.145	
15,000.00	11,676.31	15,417.59	12,151.41	47.53	47.20	-108.37	-3,051.51	520.64	1,511.02	1,420.50	90.52	16.692	
15,100.00	11,677.17	15,517.59	12,152.28	48.76	48.48	-108.37	-3,151.51	521.50	1,511.02	1,418.10	92.93	16.261	
15,200.00	11,678.04	15,617.59	12,153.15	49.99	49.76	-108.37	-3,251.50	522.36	1,511.03	1,415.69	95.34	15.849	
15,300.00	11,678.90	15,717.59	12,154.02	51.23	51.04	-108.37	-3,351.49	523.22	1,511.03	1,413.27	97.76	15.456	
15,400.00	11,679.77	15,817.59	12,154.89	52.47	52.33	-108.37	-3,451.48	524.08	1,511.03	1,410.83	100.20	15.081	
15,500.00	11,680.64	15,917.59	12,155.76	53.73	53.62	-108.37	-3,551.48	524.94	1,511.03	1,408.39	102.64	14.722	
15,600.00	11,681.50	16,017.59	12,156.63	54.98	54.92	-108.37	-3,651.47	525.80	1,511.03	1,405.94	105.09	14.379	
15,700.00	11,682.37	16,117.59	12,157.51	56.25	56.22	-108.37	-3,751.46	526.66	1,511.04	1,403.49	107.55	14.050	
15,800.00	11,683.23	16,217.59	12,158.38	57.52	57.52	-108.37	-3,851.45	527.52	1,511.04	1,401.02	110.01	13.735	
15,900.00	11,684.10	16,317.59	12,159.25	58.79	58.83	-108.37	-3,951.45	528.39	1,511.04	1,398.55	112.48	13.433	
16,000.00	11,684.97	16,417.59	12,160.12	60.06	60.14	-108.37	-4,051.44	529.25	1,511.04	1,396.08	114.96	13.144	
16,100.00	11,685.83	16,517.59	12,160.99	61.35	61.45	-108.37	-4,151.43	530.11	1,511.04	1,393.60	117.45	12.866	
16,200.00	11,686.70	16,617.59	12,161.86	62.63	62.76	-108.37	-4,251.42	530.97	1,511.05	1,391.11	119.94	12.599	
16,300.00	11,687.56	16,717.59	12,162.73	63.92	64.08	-108.37	-4,351.42	531.83	1,511.05	1,388.61	122.43	12.342	
16,400.00	11,688.43	16,817.59	12,163.61	65.21	65.40	-108.37	-4,451.41	532.69	1,511.05	1,386.12	124.93	12.095	
16,500.00	11,689.30	16,917.59	12,164.48	66.51	66.72	-108.37	-4,551.40	533.55	1,511.05	1,383.61	127.44	11.857	
16,600.00	11,690.16	17,017.59	12,165.35	67.80	68.04	-108.37	-4,651.39	534.41	1,511.05	1,381.11	129.95	11.628	
16,700.00	11,691.03	17,117.59	12,166.22	69.10	69.37	-108.37	-4,751.39	535.27	1,511.05	1,378.59	132.46	11.408	
16,800.00	11,691.89	17,217.59	12,167.09	70.41	70.70	-108.37	-4,851.38	536.13	1,511.06	1,376.08	134.98	11.195	
16,900.00	11,692.76	17,317.59	12,167.96	71.71	72.02	-108.37	-4,951.37	536.99	1,511.06	1,373.56	137.50	10.990	
17,000.00	11,693.63	17,417.59	12,168.83	73.02	73.35	-108.37	-5,051.36	537.86	1,511.06	1,371.04	140.02	10.792	
17,100.00	11,694.49	17,517.59	12,169.71	74.33	74.68	-108.37	-5,151.36	538.72	1,511.06	1,368.51	142.55	10.600	
17,200.00	11,695.36	17,617.59	12,170.58	75.64	76.02	-108.37	-5,251.35	539.58	1,511.06	1,365.98	145.08	10.415	
17,300.00	11,696.22	17,717.59	12,171.45	76.96	77.35	-108.37	-5,351.34	540.44	1,511.07	1,363.45	147.61	10.237	
17,400.00	11,697.09	17,817.59	12,172.32	78.28	78.69	-108.37	-5,451.33	541.30	1,511.07	1,360.92	150.15	10.064	
17,500.00	11,697.96	17,917.59	12,173.19	79.59	80.02	-108.37	-5,551.33	542.16	1,511.07	1,358.38	152.69	9.896	
17,600.00	11,698.82	18,017.59	12,174.06	80.91	81.36	-108.37	-5,651.32	543.02	1,511.07	1,355.84	155.23	9.734	
17,700.00	11,699.69	18,117.59	12,174.93	82.24	82.70	-108.37	-5,751.31	543.88	1,511.07	1,353.30	157.77	9.577	
17,800.00	11,700.55	18,217.59	12,175.81	83.56	84.04	-108.37	-5,851.30	544.74	1,511.08	1,350.76	160.32	9.425	
17,900.00	11,701.42	18,317.59	12,176.68	84.88	85.38	-108.37	-5,951.30	545.60	1,511.08	1,348.21	162.87	9.278	
18,000.00	11,702.29	18,417.59	12,177.55	86.21	86.72	-108.37	-6,051.29	546.47	1,511.08	1,345.66	165.42	9.135	
18,100.00	11,703.15	18,517.59	12,178.42	87.54	88.06	-108.37	-6,151.28	547.33	1,511.08	1,343.11	167.97	8.996	
18,200.00	11,704.02	18,617.59	12,179.29	88.87	89.40	-108.37	-6,251.27	548.19	1,511.08	1,340.56	170.53	8.861	
18,300.00	11,704.88	18,717.59	12,180.16	90.20	90.75	-108.37	-6,351.27	549.05	1,511.09	1,338.00	173.08	8.730	
18,400.00	11,705.75	18,817.59	12,181.03	91.53	92.09	-108.37	-6,451.26	549.91	1,511.09	1,335.45	175.64	8.603	
18,500.00	11,706.62	18,917.59	12,181.91	92.86	93.44	-108.37	-6,551.25	550.77	1,511.09	1,332.89	178.20	8.480	
18,600.00	11,707.48	19,017.59	12,182.78	94.19	94.79	-108.37	-6,651.24	551.63	1,511.09	1,330.33	180.76	8.360	
18,700.00	11,708.35	19,117.59	12,183.65	95.53	96.13	-108.37	-6,751.24	552.49	1,511.09	1,327.77	183.32	8.243	
18,800.00	11,709.21	19,217.59	12,184.52	96.87	97.48	-108.37	-6,851.23	553.35	1,511.10	1,325.21	185.89	8.129	
18,900.00	11,710.08	19,317.59	12,185.39	98.20	98.83	-108.37	-6,951.22	554.21	1,511.10	1,322.65	188.45	8.018	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	11,710.95	19,417.59	12,186.26	99.54	100.18	-108.37	-7,051.21	555.08	1,511.10	1,320.08	191.02	7.911	
19,100.00	11,711.81	19,517.59	12,187.13	100.88	101.53	-108.37	-7,151.21	555.94	1,511.10	1,317.51	193.59	7.806	
19,200.00	11,712.68	19,617.59	12,188.01	102.22	102.88	-108.37	-7,251.20	556.80	1,511.10	1,314.95	196.16	7.704	
19,300.00	11,713.54	19,717.59	12,188.88	103.56	104.23	-108.37	-7,351.19	557.66	1,511.11	1,312.38	198.73	7.604	
19,400.00	11,714.41	19,817.59	12,189.75	104.90	105.58	-108.38	-7,451.18	558.52	1,511.11	1,309.81	201.30	7.507	
19,500.00	11,715.28	19,917.59	12,190.62	106.24	106.93	-108.38	-7,551.18	559.38	1,511.11	1,307.24	203.87	7.412	
19,600.00	11,716.14	20,017.59	12,191.49	107.58	108.28	-108.38	-7,651.17	560.24	1,511.11	1,304.67	206.44	7.320	
19,700.00	11,717.01	20,117.59	12,192.36	108.92	109.63	-108.38	-7,751.16	561.10	1,511.11	1,302.09	209.02	7.230	
19,800.00	11,717.87	20,217.59	12,193.23	110.27	110.98	-108.38	-7,851.15	561.96	1,511.11	1,299.52	211.59	7.142	
19,900.00	11,718.74	20,317.59	12,194.10	111.61	112.34	-108.38	-7,951.15	562.82	1,511.12	1,296.95	214.17	7.056	
20,000.00	11,719.61	20,417.59	12,194.98	112.96	113.69	-108.38	-8,051.14	563.69	1,511.12	1,294.37	216.75	6.972	
20,100.00	11,720.47	20,517.59	12,195.85	114.30	115.05	-108.38	-8,151.13	564.55	1,511.12	1,291.79	219.33	6.890	
20,200.00	11,721.34	20,617.59	12,196.72	115.65	116.40	-108.38	-8,251.12	565.41	1,511.12	1,289.22	221.91	6.810	
20,300.00	11,722.20	20,717.59	12,197.59	117.00	117.75	-108.38	-8,351.12	566.27	1,511.12	1,286.64	224.49	6.731	
20,400.00	11,723.07	20,817.59	12,198.46	118.34	119.11	-108.38	-8,451.11	567.13	1,511.13	1,284.06	227.07	6.655	
20,500.00	11,723.94	20,917.59	12,199.33	119.69	120.46	-108.38	-8,551.10	567.99	1,511.13	1,281.48	229.65	6.580	
20,600.00	11,724.80	21,017.59	12,200.20	121.04	121.82	-108.38	-8,651.09	568.85	1,511.13	1,278.90	232.23	6.507	
20,700.00	11,725.67	21,117.59	12,201.08	122.39	123.18	-108.38	-8,751.09	569.71	1,511.13	1,276.32	234.82	6.435	
20,800.00	11,726.53	21,217.59	12,201.95	123.74	124.53	-108.38	-8,851.08	570.57	1,511.13	1,273.74	237.40	6.365	
20,900.00	11,727.40	21,317.59	12,202.82	125.09	125.89	-108.38	-8,951.07	571.43	1,511.14	1,271.15	239.98	6.297	
21,000.00	11,728.27	21,417.59	12,203.69	126.44	127.25	-108.38	-9,051.06	572.30	1,511.14	1,268.57	242.57	6.230	
21,100.00	11,729.13	21,517.59	12,204.56	127.79	128.60	-108.38	-9,151.06	573.16	1,511.14	1,265.99	245.15	6.164	
21,200.00	11,730.00	21,617.59	12,205.43	129.14	129.96	-108.38	-9,251.05	574.02	1,511.14	1,263.40	247.74	6.100	
21,300.00	11,730.86	21,717.59	12,206.30	130.49	131.32	-108.38	-9,351.04	574.88	1,511.14	1,260.82	250.33	6.037	
21,400.00	11,731.73	21,817.59	12,207.18	131.84	132.68	-108.38	-9,451.03	575.74	1,511.15	1,258.23	252.92	5.975	
21,500.00	11,732.60	21,917.59	12,208.05	133.19	134.03	-108.38	-9,551.03	576.60	1,511.15	1,255.64	255.50	5.914	
21,600.00	11,733.46	22,017.59	12,208.92	134.54	135.39	-108.38	-9,651.02	577.46	1,511.15	1,253.06	258.09	5.855	
21,700.00	11,734.33	22,117.59	12,209.79	135.90	136.75	-108.38	-9,751.01	578.32	1,511.15	1,250.47	260.68	5.797	
21,800.00	11,735.19	22,217.59	12,210.66	137.25	138.11	-108.38	-9,851.00	579.18	1,511.15	1,247.88	263.27	5.740	
21,900.00	11,736.06	22,317.59	12,211.53	138.60	139.47	-108.38	-9,951.00	580.04	1,511.16	1,245.29	265.86	5.684	
22,000.00	11,736.93	22,417.59	12,212.40	139.96	140.83	-108.38	-10,050.99	580.91	1,511.16	1,242.71	268.45	5.629	
22,008.51	11,737.00	22,426.10	12,212.48	140.07	140.94	-108.38	-10,059.50	580.98	1,511.16	1,242.49	268.67	5.625	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-25.00	0.00	25.02				
100.00	100.00	99.00	99.00	0.98	0.97	180.00	-25.00	0.00	25.00	23.05	1.95	12.788	
200.00	200.00	199.00	199.00	1.56	1.56	180.00	-25.00	0.00	25.00	21.88	3.12	8.022	
300.00	300.00	299.00	299.00	1.98	1.98	180.00	-25.00	0.00	25.00	21.04	3.96	6.316	
400.00	400.00	399.00	399.00	2.33	2.33	180.00	-25.00	0.00	25.00	20.34	4.66	5.370	
500.00	500.00	499.00	499.00	2.63	2.63	180.00	-25.00	0.00	25.00	19.73	5.27	4.747	CC, ES
600.00	599.99	598.99	598.99	2.98	2.91	-117.13	-25.00	0.00	25.57	19.74	5.83	4.387	
700.00	699.91	698.91	698.91	3.29	3.16	-124.38	-25.00	0.00	27.58	21.22	6.36	4.338	
800.00	799.69	798.69	798.69	3.58	3.40	-134.11	-25.00	0.00	31.74	24.86	6.88	4.614	
833.33	832.91	832.19	832.19	3.60	3.49	-137.50	-24.87	-0.05	33.59	26.58	7.01	4.794	
900.00	899.32	899.28	899.27	3.70	3.68	-143.73	-23.79	-0.45	36.95	29.64	7.31	5.057	
1,000.00	998.94	1,000.06	999.97	3.92	3.94	-151.99	-20.09	-1.81	40.54	32.73	7.81	5.192	
1,100.00	1,098.56	1,099.86	1,099.64	4.14	4.15	-159.42	-15.18	-3.62	43.61	35.37	8.24	5.293	
1,200.00	1,198.18	1,199.67	1,199.30	4.36	4.35	-165.79	-10.28	-5.42	47.31	38.65	8.66	5.464	
1,201.83	1,200.00	1,201.49	1,201.12	4.36	4.35	-165.89	-10.19	-5.46	47.38	38.72	8.66	5.469	
1,300.00	1,297.68	1,299.94	1,299.42	4.60	4.45	-171.61	-5.06	-7.35	52.50	43.50	9.00	5.833	
1,400.00	1,396.88	1,400.66	1,399.83	4.86	4.70	-178.02	2.35	-10.08	59.05	49.60	9.46	6.244	
1,500.00	1,495.72	1,501.21	1,499.82	5.10	4.93	175.32	12.23	-13.72	67.06	57.18	9.89	6.784	
1,600.00	1,594.13	1,600.97	1,598.77	5.35	5.05	169.10	24.15	-18.12	77.04	66.84	10.20	7.553	
1,634.85	1,628.31	1,635.48	1,632.98	5.39	5.12	167.33	28.38	-19.67	81.23	70.93	10.30	7.889	
1,700.00	1,692.16	1,699.97	1,696.92	5.49	5.25	164.54	36.28	-22.58	89.51	79.01	10.50	8.525	
1,800.00	1,790.15	1,798.96	1,795.06	5.70	5.44	161.15	48.40	-27.05	102.56	91.68	10.88	9.430	
1,900.00	1,888.15	1,897.94	1,893.20	5.90	5.63	158.53	60.52	-31.52	115.88	104.62	11.26	10.295	
2,000.00	1,986.14	1,996.93	1,991.34	6.11	5.83	156.45	72.65	-35.99	129.38	117.74	11.64	11.114	
2,100.00	2,084.14	2,095.92	2,089.48	6.32	6.02	154.77	84.77	-40.46	143.03	131.00	12.03	11.889	
2,200.00	2,182.13	2,194.90	2,187.62	6.53	6.21	153.38	96.89	-44.93	156.77	144.35	12.42	12.620	
2,300.00	2,280.12	2,293.89	2,285.76	6.75	6.41	152.21	109.02	-49.40	170.59	157.77	12.82	13.309	
2,400.00	2,378.12	2,392.87	2,383.89	6.97	6.60	151.22	121.14	-53.87	184.47	171.25	13.21	13.959	
2,500.00	2,476.11	2,491.86	2,482.03	7.20	6.79	150.37	133.26	-58.34	198.39	184.78	13.61	14.573	
2,600.00	2,574.11	2,590.84	2,580.17	7.44	6.99	149.63	145.39	-62.81	212.35	198.34	14.01	15.152	
2,700.00	2,672.10	2,689.83	2,678.31	7.69	7.18	148.98	157.51	-67.27	226.35	211.93	14.42	15.700	
2,800.00	2,770.10	2,788.82	2,776.45	7.94	7.37	148.41	169.63	-71.74	240.37	225.54	14.82	16.218	
2,900.00	2,868.09	2,887.80	2,874.59	8.20	7.56	147.90	181.76	-76.21	254.40	239.18	15.23	16.709	
3,000.00	2,966.08	2,986.79	2,972.73	8.46	7.76	147.44	193.88	-80.68	268.46	252.83	15.63	17.175	
3,100.00	3,064.08	3,085.77	3,070.87	8.72	7.95	147.03	206.01	-85.15	282.53	266.49	16.04	17.617	
3,200.00	3,162.07	3,184.76	3,169.00	8.98	8.14	146.66	218.13	-89.62	296.62	280.17	16.44	18.037	
3,300.00	3,260.07	3,283.74	3,267.14	9.25	8.33	146.32	230.25	-94.09	310.71	293.86	16.85	18.437	
3,400.00	3,358.06	3,382.73	3,365.28	9.51	8.52	146.01	242.38	-98.56	324.82	307.56	17.26	18.818	
3,500.00	3,456.05	3,481.71	3,463.42	9.77	8.72	145.73	254.50	-103.03	338.93	321.26	17.67	19.181	
3,600.00	3,554.05	3,580.70	3,561.56	10.04	8.91	145.46	266.62	-107.50	353.05	334.97	18.08	19.527	
3,700.00	3,652.04	3,679.69	3,659.70	10.31	9.10	145.22	278.75	-111.96	367.18	348.69	18.49	19.858	
3,800.00	3,750.04	3,778.67	3,757.84	10.57	9.29	145.00	290.87	-116.43	381.32	362.41	18.90	20.175	
3,900.00	3,848.03	3,877.66	3,855.98	10.84	9.48	144.79	302.99	-120.90	395.45	376.14	19.31	20.478	
4,000.00	3,946.02	3,976.64	3,954.11	11.11	9.68	144.60	315.12	-125.37	409.60	389.88	19.72	20.768	
4,100.00	4,044.02	4,075.63	4,052.25	11.37	9.87	144.42	327.24	-129.84	423.75	403.61	20.13	21.046	
4,200.00	4,142.01	4,174.61	4,150.39	11.64	10.06	144.25	339.37	-134.31	437.90	417.35	20.55	21.312	
4,300.00	4,240.01	4,273.60	4,248.53	11.91	10.25	144.10	351.49	-138.78	452.05	431.09	20.96	21.568	
4,400.00	4,338.00	4,372.59	4,346.67	12.18	10.44	143.95	363.61	-143.25	466.21	444.84	21.37	21.815	
4,500.00	4,435.99	4,471.57	4,444.81	12.45	10.63	143.81	375.74	-147.72	480.37	458.59	21.78	22.051	
4,600.00	4,533.99	4,570.56	4,542.95	12.72	10.83	143.68	387.86	-152.19	494.54	472.34	22.20	22.279	
4,700.00	4,631.98	4,669.54	4,641.08	12.99	11.02	143.55	399.98	-156.65	508.70	486.09	22.61	22.497	
4,800.00	4,729.98	4,767.18	4,737.96	13.26	11.21	143.50	411.43	-160.87	522.96	499.94	23.01	22.723	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,827.97	4,864.04	4,834.32	13.53	11.41	143.69	420.61	-164.26	537.57	514.18	23.39	22.979	
5,000.00	4,925.97	4,960.63	4,930.63	13.80	11.60	144.13	427.48	-166.79	552.60	528.84	23.75	23.265	
5,100.00	5,023.96	5,056.84	5,026.71	14.07	11.77	144.79	432.05	-168.47	568.08	543.99	24.09	23.583	
5,200.00	5,121.95	5,152.55	5,122.39	14.34	11.93	145.65	434.34	-169.32	584.10	559.70	24.40	23.938	
5,300.00	5,219.95	5,249.11	5,218.95	14.61	12.04	146.67	434.64	-169.43	600.68	575.99	24.70	24.322	
5,400.00	5,317.94	5,347.11	5,316.94	14.88	12.12	147.68	434.64	-169.43	617.53	592.54	24.99	24.710	
5,500.00	5,415.94	5,445.10	5,414.94	15.15	12.21	148.63	434.64	-169.43	634.55	609.27	25.29	25.095	
5,600.00	5,513.93	5,543.09	5,512.93	15.42	12.29	149.54	434.64	-169.43	651.74	626.16	25.58	25.477	
5,700.00	5,611.92	5,641.09	5,610.92	15.69	12.38	150.40	434.64	-169.43	669.08	643.21	25.88	25.856	
5,800.00	5,709.92	5,739.08	5,708.92	15.96	12.47	151.22	434.64	-169.43	686.57	660.39	26.17	26.232	
5,900.00	5,807.91	5,837.08	5,806.91	16.24	12.55	152.00	434.64	-169.43	704.18	677.70	26.47	26.599	
5,905.98	5,813.78	5,842.94	5,812.78	16.26	12.56	152.04	434.64	-169.43	705.23	678.74	26.49	26.621	
6,000.00	5,906.13	5,935.29	5,905.13	16.50	12.64	152.81	434.64	-169.43	720.90	694.12	26.77	26.929	
6,100.00	6,004.80	6,033.96	6,003.80	16.73	12.72	153.48	434.64	-169.43	735.41	708.34	27.07	27.172	
6,200.00	6,103.86	6,133.03	6,102.86	16.93	12.81	154.03	434.64	-169.43	747.65	720.30	27.35	27.335	
6,300.00	6,203.25	6,232.41	6,202.25	17.11	12.90	154.46	434.64	-169.43	757.60	729.98	27.63	27.421	
6,400.00	6,302.89	6,332.06	6,301.89	17.27	12.98	154.78	434.64	-169.43	765.22	737.33	27.90	27.432	
6,500.00	6,402.72	6,431.88	6,401.72	17.39	13.07	154.99	434.64	-169.43	770.49	742.34	28.15	27.372	
6,600.00	6,502.67	6,531.83	6,501.67	17.49	13.16	155.11	434.64	-169.43	773.40	745.01	28.39	27.246	
6,672.34	6,575.00	6,604.16	6,574.00	17.53	13.22	89.61	434.64	-169.43	774.02	745.51	28.50	27.154	
6,700.00	6,602.66	6,631.82	6,601.66	17.54	13.24	89.61	434.64	-169.43	774.02	745.48	28.54	27.125	
6,800.00	6,702.66	6,731.82	6,701.66	17.60	13.33	89.61	434.64	-169.43	774.02	745.34	28.68	26.988	
6,900.00	6,802.66	6,831.82	6,801.66	17.66	13.42	89.61	434.64	-169.43	774.02	745.19	28.83	26.852	
7,000.00	6,902.66	6,931.82	6,901.66	17.71	13.50	89.61	434.64	-169.43	774.02	745.05	28.97	26.717	
7,100.00	7,002.66	7,031.82	7,001.66	17.77	13.59	89.61	434.64	-169.43	774.02	744.90	29.12	26.583	
7,200.00	7,102.66	7,131.82	7,101.66	17.83	13.68	89.61	434.64	-169.43	774.02	744.76	29.26	26.451	
7,300.00	7,202.66	7,231.82	7,201.66	17.89	13.76	89.61	434.64	-169.43	774.02	744.61	29.41	26.320	
7,400.00	7,302.66	7,331.82	7,301.66	17.95	13.85	89.61	434.64	-169.43	774.02	744.46	29.55	26.190	
7,500.00	7,402.66	7,431.82	7,401.66	18.01	13.94	89.61	434.64	-169.43	774.02	744.32	29.70	26.061	
7,600.00	7,502.66	7,531.82	7,501.66	18.07	14.02	89.61	434.64	-169.43	774.02	744.17	29.85	25.933	
7,700.00	7,602.66	7,631.82	7,601.66	18.13	14.11	89.61	434.64	-169.43	774.02	744.03	29.99	25.807	
7,800.00	7,702.66	7,731.82	7,701.66	18.19	14.20	89.61	434.64	-169.43	774.02	743.88	30.14	25.681	
7,900.00	7,802.66	7,831.82	7,801.66	18.25	14.28	89.61	434.64	-169.43	774.02	743.73	30.29	25.557	
8,000.00	7,902.66	7,931.82	7,901.66	18.31	14.37	89.61	434.64	-169.43	774.02	743.59	30.43	25.434	
8,100.00	8,002.66	8,031.82	8,001.66	18.37	14.46	89.61	434.64	-169.43	774.02	743.44	30.58	25.312	
8,200.00	8,102.66	8,131.82	8,101.66	18.43	14.54	89.61	434.64	-169.43	774.02	743.29	30.73	25.191	
8,300.00	8,202.66	8,231.82	8,201.66	18.50	14.63	89.61	434.64	-169.43	774.02	743.14	30.87	25.071	
8,400.00	8,302.66	8,331.82	8,301.66	18.56	14.71	89.61	434.64	-169.43	774.02	743.00	31.02	24.952	
8,500.00	8,402.66	8,431.82	8,401.66	18.62	14.80	89.61	434.64	-169.43	774.02	742.85	31.17	24.834	
8,600.00	8,502.66	8,531.82	8,501.66	18.68	14.89	89.61	434.64	-169.43	774.02	742.70	31.32	24.717	
8,700.00	8,602.66	8,631.82	8,601.66	18.74	14.97	89.61	434.64	-169.43	774.02	742.56	31.46	24.601	
8,800.00	8,702.66	8,731.82	8,701.66	18.80	15.06	89.61	434.64	-169.43	774.02	742.41	31.61	24.486	
8,900.00	8,802.66	8,831.82	8,801.66	18.87	15.14	89.61	434.64	-169.43	774.02	742.26	31.76	24.372	
9,000.00	8,902.66	8,931.82	8,901.66	18.93	15.23	89.61	434.64	-169.43	774.02	742.11	31.91	24.259	
9,100.00	9,002.66	9,031.82	9,001.66	18.99	15.31	89.61	434.64	-169.43	774.02	741.96	32.05	24.148	
9,200.00	9,102.66	9,131.82	9,101.66	19.05	15.40	89.61	434.64	-169.43	774.02	741.82	32.20	24.036	
9,300.00	9,202.66	9,231.82	9,201.66	19.12	15.49	89.61	434.64	-169.43	774.02	741.67	32.35	23.926	
9,400.00	9,302.66	9,331.82	9,301.66	19.18	15.57	89.61	434.64	-169.43	774.02	741.52	32.50	23.817	
9,500.00	9,402.66	9,431.82	9,401.66	19.24	15.66	89.61	434.64	-169.43	774.02	741.37	32.65	23.709	
9,600.00	9,502.66	9,531.82	9,501.66	19.30	15.74	89.61	434.64	-169.43	774.02	741.22	32.80	23.602	
9,700.00	9,602.66	9,631.82	9,601.66	19.37	15.83	89.61	434.64	-169.43	774.02	741.07	32.94	23.495	
9,800.00	9,702.66	9,731.82	9,701.66	19.43	15.91	89.61	434.64	-169.43	774.02	740.93	33.09	23.390	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,802.66	9,831.82	9,801.66	19.49	16.00	89.61	434.64	-169.43	774.02	740.78	33.24	23.285	
10,000.00	9,902.66	9,931.82	9,901.66	19.56	16.08	89.61	434.64	-169.43	774.02	740.63	33.39	23.181	
10,100.00	10,002.66	10,031.82	10,001.66	19.62	16.17	89.61	434.64	-169.43	774.02	740.48	33.54	23.078	
10,200.00	10,102.66	10,131.82	10,101.66	19.69	16.25	89.61	434.64	-169.43	774.02	740.33	33.69	22.976	
10,300.00	10,202.66	10,231.82	10,201.66	19.75	16.34	89.61	434.64	-169.43	774.02	740.18	33.84	22.874	
10,400.00	10,302.66	10,331.82	10,301.66	19.81	16.42	89.61	434.64	-169.43	774.02	740.03	33.99	22.774	
10,500.00	10,402.66	10,431.82	10,401.66	19.88	16.51	89.61	434.64	-169.43	774.02	739.88	34.14	22.674	
10,600.00	10,502.66	10,531.82	10,501.66	19.94	16.59	89.61	434.64	-169.43	774.02	739.73	34.29	22.575	
10,700.00	10,602.66	10,631.82	10,601.66	20.01	16.68	89.61	434.64	-169.43	774.02	739.58	34.44	22.477	
10,800.00	10,702.66	10,731.82	10,701.66	20.07	16.76	89.61	434.64	-169.43	774.02	739.43	34.59	22.380	
10,900.00	10,802.66	10,831.82	10,801.66	20.14	16.85	89.61	434.64	-169.43	774.02	739.28	34.74	22.283	
11,000.00	10,902.66	10,931.82	10,901.66	20.20	16.93	89.61	434.64	-169.43	774.02	739.13	34.89	22.188	
11,100.00	11,002.66	11,031.82	11,001.66	20.27	17.02	89.61	434.64	-169.43	774.02	738.98	35.04	22.093	
11,175.34	11,078.00	11,107.16	11,077.00	20.31	17.08	89.61	434.64	-169.43	774.02	738.88	35.14	22.028	
11,200.00	11,102.65	11,131.82	11,101.65	20.31	17.10	-89.94	434.64	-169.43	774.02	738.86	35.16	22.014	
11,215.30	11,117.93	11,147.09	11,116.93	20.32	17.12	-90.00	434.64	-169.43	774.02	738.85	35.17	22.010	
11,250.00	11,152.45	11,181.61	11,151.45	20.33	17.15	-90.25	434.64	-169.43	774.02	738.84	35.18	22.000	
11,300.00	11,201.68	11,230.84	11,200.68	20.35	17.19	-90.88	434.64	-169.43	774.11	738.92	35.19	21.997	
11,350.00	11,249.97	11,279.13	11,248.97	20.35	17.23	-91.77	434.64	-169.43	774.42	739.23	35.19	22.008	
11,400.00	11,296.95	11,326.11	11,295.95	20.35	17.27	-92.88	434.64	-169.43	775.16	739.99	35.17	22.039	
11,450.00	11,342.26	11,371.43	11,341.26	20.35	17.31	-94.14	434.64	-169.43	776.59	741.45	35.14	22.097	
11,500.00	11,385.56	11,414.73	11,384.56	20.34	17.34	-95.49	434.64	-169.43	779.02	743.91	35.11	22.190	
11,550.00	11,426.53	11,455.69	11,425.53	20.33	17.38	-96.83	434.64	-169.43	782.78	747.72	35.06	22.327	
11,600.00	11,464.83	11,494.00	11,463.83	20.33	17.41	-98.08	434.64	-169.43	788.21	753.20	35.01	22.517	
11,650.00	11,500.20	11,529.36	11,499.20	20.34	17.44	-99.14	434.64	-169.43	795.64	760.70	34.94	22.770	
11,700.00	11,532.35	11,561.52	11,531.35	20.35	17.46	-99.93	434.64	-169.43	805.36	770.49	34.87	23.093	
11,750.00	11,561.05	11,597.90	11,567.74	20.38	17.48	-100.83	434.40	-169.43	817.57	782.77	34.80	23.493	
11,800.00	11,586.06	11,654.07	11,623.71	20.42	17.49	-102.66	430.01	-169.39	831.77	797.05	34.72	23.956	
11,850.00	11,607.21	11,721.46	11,689.90	20.48	17.51	-104.88	417.55	-169.28	847.50	812.81	34.70	24.425	
11,900.00	11,624.34	11,806.90	11,770.94	20.56	17.52	-107.75	390.75	-169.05	864.26	829.43	34.84	24.810	
11,950.00	11,637.30	11,887.64	11,842.87	20.66	17.52	-109.97	354.26	-168.74	881.10	846.02	35.08	25.115	
12,000.00	11,646.01	12,089.74	11,995.38	20.77	17.53	-116.43	223.37	-167.61	896.20	859.61	36.59	24.491	
12,050.00	11,650.40	12,329.21	12,103.93	20.91	17.55	-120.70	11.87	-165.79	906.06	867.25	38.80	23.349	
12,070.38	11,650.94	12,444.41	12,122.78	20.97	17.59	-121.43	-101.56	-164.81	907.53	867.80	39.73	22.844	
12,100.00	11,651.19	12,500.30	12,124.15	21.07	17.62	-121.48	-157.43	-164.33	907.61	867.59	40.02	22.678	
12,200.00	11,652.06	12,600.30	12,125.02	21.42	17.69	-121.48	-257.42	-163.47	907.61	867.13	40.48	22.419	
12,300.00	11,652.93	12,700.30	12,125.89	21.84	17.79	-121.48	-357.42	-162.61	907.61	866.54	41.08	22.095	
12,400.00	11,653.79	12,800.30	12,126.76	22.31	17.95	-121.48	-457.41	-161.75	907.62	865.82	41.80	21.713	
12,500.00	11,654.66	12,900.30	12,127.63	22.84	18.21	-121.48	-557.40	-160.89	907.62	864.98	42.64	21.283	
12,600.00	11,655.52	13,000.30	12,128.50	23.42	18.62	-121.48	-657.39	-160.03	907.62	864.02	43.60	20.816	
12,700.00	11,656.39	13,100.30	12,129.37	24.05	19.18	-121.48	-757.39	-159.17	907.63	862.96	44.67	20.319	
12,800.00	11,657.26	13,200.30	12,130.25	24.73	19.87	-121.48	-857.38	-158.31	907.63	861.80	45.83	19.803	
12,900.00	11,658.12	13,300.30	12,131.12	25.46	20.66	-121.48	-957.37	-157.44	907.63	860.54	47.09	19.275	
13,000.00	11,658.99	13,400.30	12,131.99	26.23	21.53	-121.48	-1,057.36	-156.58	907.63	859.20	48.43	18.741	
13,100.00	11,659.85	13,500.30	12,132.86	27.05	22.45	-121.48	-1,157.36	-155.72	907.64	857.79	49.85	18.207	
13,200.00	11,660.72	13,600.30	12,133.73	27.90	23.43	-121.48	-1,257.35	-154.86	907.64	856.30	51.34	17.679	
13,300.00	11,661.59	13,700.30	12,134.60	28.80	24.45	-121.48	-1,357.34	-154.00	907.64	854.75	52.90	17.159	
13,400.00	11,662.45	13,800.30	12,135.47	29.73	25.50	-121.48	-1,457.33	-153.14	907.65	853.13	54.51	16.650	
13,500.00	11,663.32	13,900.30	12,136.34	30.69	26.58	-121.49	-1,557.33	-152.28	907.65	851.46	56.18	16.155	
13,600.00	11,664.18	14,000.30	12,137.22	31.67	27.69	-121.49	-1,657.32	-151.42	907.65	849.75	57.91	15.675	
13,700.00	11,665.05	14,100.30	12,138.09	32.69	28.83	-121.49	-1,757.31	-150.56	907.66	847.98	59.67	15.211	
13,800.00	11,665.92	14,200.30	12,138.96	33.73	29.98	-121.49	-1,857.30	-149.70	907.66	846.18	61.48	14.763	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	11,666.78	14,300.30	12,139.83	34.79	31.15	-121.49	-1,957.30	-148.83	907.66	844.33	63.33	14.333	
14,000.00	11,667.65	14,400.30	12,140.70	35.88	32.34	-121.49	-2,057.29	-147.97	907.66	842.46	65.21	13.919	
14,100.00	11,668.51	14,500.30	12,141.57	36.98	33.54	-121.49	-2,157.28	-147.11	907.67	840.55	67.12	13.523	
14,200.00	11,669.38	14,600.30	12,142.44	38.10	34.75	-121.49	-2,257.27	-146.25	907.67	838.61	69.06	13.142	
14,300.00	11,670.24	14,700.30	12,143.31	39.23	35.98	-121.49	-2,357.27	-145.39	907.67	836.64	71.03	12.778	
14,400.00	11,671.11	14,800.30	12,144.19	40.38	37.22	-121.49	-2,457.26	-144.53	907.68	834.65	73.03	12.429	
14,500.00	11,671.98	14,900.30	12,145.06	41.55	38.46	-121.49	-2,557.25	-143.67	907.68	832.64	75.04	12.095	
14,600.00	11,672.84	15,000.30	12,145.93	42.72	39.71	-121.49	-2,657.24	-142.81	907.68	830.60	77.08	11.776	
14,700.00	11,673.71	15,100.30	12,146.80	43.91	40.98	-121.49	-2,757.24	-141.95	907.68	828.55	79.14	11.470	
14,800.00	11,674.57	15,200.30	12,147.67	45.11	42.24	-121.49	-2,857.23	-141.09	907.69	826.48	81.21	11.177	
14,900.00	11,675.44	15,300.30	12,148.54	46.32	43.52	-121.49	-2,957.22	-140.23	907.69	824.39	83.30	10.896	
15,000.00	11,676.31	15,400.30	12,149.41	47.53	44.80	-121.49	-3,057.21	-139.36	907.69	822.28	85.41	10.627	
15,100.00	11,677.17	15,500.30	12,150.28	48.76	46.08	-121.49	-3,157.21	-138.50	907.70	820.17	87.53	10.370	
15,200.00	11,678.04	15,600.30	12,151.16	49.99	47.37	-121.49	-3,257.20	-137.64	907.70	818.04	89.66	10.123	
15,300.00	11,678.90	15,700.30	12,152.03	51.23	48.67	-121.49	-3,357.19	-136.78	907.70	815.89	91.81	9.887	
15,400.00	11,679.77	15,800.30	12,152.90	52.47	49.97	-121.49	-3,457.18	-135.92	907.71	813.74	93.97	9.660	
15,500.00	11,680.64	15,900.30	12,153.77	53.73	51.27	-121.49	-3,557.18	-135.06	907.71	811.57	96.14	9.442	
15,600.00	11,681.50	16,000.30	12,154.64	54.98	52.57	-121.49	-3,657.17	-134.20	907.71	809.40	98.31	9.233	
15,700.00	11,682.37	16,100.30	12,155.51	56.25	53.88	-121.49	-3,757.16	-133.34	907.71	807.21	100.50	9.032	
15,800.00	11,683.23	16,200.30	12,156.38	57.52	55.19	-121.49	-3,857.15	-132.48	907.72	805.02	102.70	8.839	
15,900.00	11,684.10	16,300.30	12,157.25	58.79	56.51	-121.49	-3,957.15	-131.62	907.72	802.82	104.90	8.653	
16,000.00	11,684.97	16,400.30	12,158.13	60.06	57.82	-121.49	-4,057.14	-130.75	907.72	800.61	107.11	8.474	
16,100.00	11,685.83	16,500.30	12,159.00	61.35	59.14	-121.49	-4,157.13	-129.89	907.73	798.39	109.33	8.303	
16,200.00	11,686.70	16,600.30	12,159.87	62.63	60.47	-121.49	-4,257.12	-129.03	907.73	796.17	111.56	8.137	
16,300.00	11,687.56	16,700.30	12,160.74	63.92	61.79	-121.49	-4,357.12	-128.17	907.73	793.94	113.79	7.977	
16,400.00	11,688.43	16,800.30	12,161.61	65.21	63.12	-121.49	-4,457.11	-127.31	907.73	791.71	116.03	7.823	
16,500.00	11,689.30	16,900.30	12,162.48	66.51	64.44	-121.49	-4,557.10	-126.45	907.74	789.47	118.27	7.675	
16,600.00	11,690.16	17,000.30	12,163.35	67.80	65.77	-121.49	-4,657.09	-125.59	907.74	787.22	120.52	7.532	
16,700.00	11,691.03	17,100.30	12,164.22	69.10	67.10	-121.49	-4,757.09	-124.73	907.74	784.97	122.77	7.394	
16,800.00	11,691.89	17,200.30	12,165.10	70.41	68.44	-121.49	-4,857.08	-123.87	907.75	782.71	125.03	7.260	
16,900.00	11,692.76	17,300.30	12,165.97	71.71	69.77	-121.49	-4,957.07	-123.01	907.75	780.45	127.30	7.131	
17,000.00	11,693.63	17,400.30	12,166.84	73.02	71.11	-121.49	-5,057.06	-122.15	907.75	778.19	129.56	7.006	
17,100.00	11,694.49	17,500.30	12,167.71	74.33	72.44	-121.50	-5,157.06	-121.28	907.76	775.92	131.83	6.886	
17,200.00	11,695.36	17,600.30	12,168.58	75.64	73.78	-121.50	-5,257.05	-120.42	907.76	773.65	134.11	6.769	
17,300.00	11,696.22	17,700.30	12,169.45	76.96	75.12	-121.50	-5,357.04	-119.56	907.76	771.37	136.39	6.656	
17,400.00	11,697.09	17,800.30	12,170.32	78.28	76.46	-121.50	-5,457.03	-118.70	907.76	769.09	138.67	6.546	
17,500.00	11,697.96	17,900.30	12,171.19	79.59	77.80	-121.50	-5,557.03	-117.84	907.77	766.81	140.96	6.440	
17,600.00	11,698.82	18,000.30	12,172.07	80.91	79.14	-121.50	-5,657.02	-116.98	907.77	764.52	143.25	6.337	
17,700.00	11,699.69	18,100.30	12,172.94	82.24	80.49	-121.50	-5,757.01	-116.12	907.77	762.23	145.54	6.237	
17,800.00	11,700.55	18,200.30	12,173.81	83.56	81.83	-121.50	-5,857.00	-115.26	907.78	759.94	147.83	6.141	
17,900.00	11,701.42	18,300.30	12,174.68	84.88	83.17	-121.50	-5,957.00	-114.40	907.78	757.65	150.13	6.047	
18,000.00	11,702.29	18,400.30	12,175.55	86.21	84.52	-121.50	-6,056.99	-113.54	907.78	755.35	152.43	5.955	
18,100.00	11,703.15	18,500.30	12,176.42	87.54	85.87	-121.50	-6,156.98	-112.67	907.78	753.05	154.73	5.867	
18,200.00	11,704.02	18,600.30	12,177.29	88.87	87.21	-121.50	-6,256.97	-111.81	907.79	750.75	157.04	5.781	
18,300.00	11,704.88	18,700.30	12,178.16	90.20	88.56	-121.50	-6,356.97	-110.95	907.79	748.44	159.35	5.697	
18,400.00	11,705.75	18,800.30	12,179.04	91.53	89.91	-121.50	-6,456.96	-110.09	907.79	746.14	161.66	5.616	
18,500.00	11,706.62	18,900.30	12,179.91	92.86	91.26	-121.50	-6,556.95	-109.23	907.80	743.83	163.97	5.536	
18,600.00	11,707.48	19,000.30	12,180.78	94.19	92.61	-121.50	-6,656.94	-108.37	907.80	741.52	166.28	5.459	
18,700.00	11,708.35	19,100.30	12,181.65	95.53	93.96	-121.50	-6,756.94	-107.51	907.80	739.21	168.60	5.384	
18,800.00	11,709.21	19,200.30	12,182.52	96.87	95.31	-121.50	-6,856.93	-106.65	907.81	736.89	170.91	5.311	
18,900.00	11,710.08	19,300.30	12,183.39	98.20	96.66	-121.50	-6,956.92	-105.79	907.81	734.58	173.23	5.240	
19,000.00	11,710.95	19,400.30	12,184.26	99.54	98.01	-121.50	-7,056.91	-104.93	907.81	732.26	175.55	5.171	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	11,711.81	19,500.30	12,185.14	100.88	99.37	-121.50	-7,156.91	-104.07	907.81	729.94	177.88	5.104	
19,200.00	11,712.68	19,600.30	12,186.01	102.22	100.72	-121.50	-7,256.90	-103.20	907.82	727.62	180.20	5.038	
19,300.00	11,713.54	19,700.30	12,186.88	103.56	102.07	-121.50	-7,356.89	-102.34	907.82	725.30	182.52	4.974	
19,400.00	11,714.41	19,800.30	12,187.75	104.90	103.43	-121.50	-7,456.88	-101.48	907.82	722.97	184.85	4.911	
19,500.00	11,715.28	19,900.30	12,188.62	106.24	104.78	-121.50	-7,556.88	-100.62	907.83	720.65	187.18	4.850	
19,600.00	11,716.14	20,000.30	12,189.49	107.58	106.14	-121.50	-7,656.87	-99.76	907.83	718.32	189.51	4.790	
19,700.00	11,717.01	20,100.30	12,190.36	108.92	107.49	-121.50	-7,756.86	-98.90	907.83	715.99	191.84	4.732	
19,800.00	11,717.87	20,200.30	12,191.23	110.27	108.85	-121.50	-7,856.85	-98.04	907.83	713.66	194.17	4.675	
19,900.00	11,718.74	20,300.30	12,192.11	111.61	110.20	-121.50	-7,956.85	-97.18	907.84	711.33	196.51	4.620	
20,000.00	11,719.61	20,400.30	12,192.98	112.96	111.56	-121.50	-8,056.84	-96.32	907.84	709.00	198.84	4.566	
20,100.00	11,720.47	20,500.30	12,193.85	114.30	112.91	-121.50	-8,156.83	-95.46	907.84	706.67	201.17	4.513	
20,200.00	11,721.34	20,600.30	12,194.72	115.65	114.27	-121.50	-8,256.82	-94.59	907.85	704.34	203.51	4.461	
20,300.00	11,722.20	20,700.30	12,195.59	117.00	115.63	-121.50	-8,356.82	-93.73	907.85	702.00	205.85	4.410	
20,400.00	11,723.07	20,800.30	12,196.46	118.34	116.99	-121.50	-8,456.81	-92.87	907.85	699.66	208.19	4.361	
20,500.00	11,723.94	20,900.30	12,197.33	119.69	118.34	-121.50	-8,556.80	-92.01	907.86	697.33	210.53	4.312	
20,600.00	11,724.80	21,000.30	12,198.20	121.04	119.70	-121.50	-8,656.79	-91.15	907.86	694.99	212.87	4.265	
20,700.00	11,725.67	21,100.30	12,199.08	122.39	121.06	-121.51	-8,756.79	-90.29	907.86	692.65	215.21	4.219	
20,800.00	11,726.53	21,200.30	12,199.95	123.74	122.42	-121.51	-8,856.78	-89.43	907.86	690.31	217.55	4.173	
20,900.00	11,727.40	21,300.30	12,200.82	125.09	123.78	-121.51	-8,956.77	-88.57	907.87	687.97	219.89	4.129	
21,000.00	11,728.27	21,400.30	12,201.69	126.44	125.13	-121.51	-9,056.76	-87.71	907.87	685.63	222.24	4.085	
21,100.00	11,729.13	21,500.30	12,202.56	127.79	126.49	-121.51	-9,156.76	-86.85	907.87	683.29	224.58	4.042	
21,200.00	11,730.00	21,600.30	12,203.43	129.14	127.85	-121.51	-9,256.75	-85.99	907.88	680.95	226.93	4.001	
21,300.00	11,730.86	21,700.30	12,204.30	130.49	129.21	-121.51	-9,356.74	-85.12	907.88	678.60	229.27	3.960	
21,400.00	11,731.73	21,800.30	12,205.17	131.84	130.57	-121.51	-9,456.73	-84.26	907.88	676.26	231.62	3.920	
21,500.00	11,732.60	21,900.30	12,206.05	133.19	131.93	-121.51	-9,556.73	-83.40	907.89	673.92	233.97	3.880	
21,600.00	11,733.46	22,000.30	12,206.92	134.54	133.29	-121.51	-9,656.72	-82.54	907.89	671.57	236.32	3.842	
21,700.00	11,734.33	22,100.30	12,207.79	135.90	134.65	-121.51	-9,756.71	-81.68	907.89	669.22	238.67	3.804	
21,800.00	11,735.19	22,200.30	12,208.66	137.25	136.01	-121.51	-9,856.70	-80.82	907.89	666.88	241.02	3.767	
21,900.00	11,736.06	22,300.30	12,209.53	138.60	137.37	-121.51	-9,956.70	-79.96	907.90	664.53	243.37	3.731	
22,000.00	11,736.93	22,400.30	12,210.40	139.96	138.74	-121.51	-10,056.69	-79.10	907.90	662.18	245.72	3.695	
22,008.51	11,737.00	22,408.81	12,210.48	140.07	138.85	-121.51	-10,065.20	-79.02	907.90	661.98	245.92	3.692	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	160.00	0.00	160.00				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	160.00	0.00	160.00	158.05	1.95	81.844	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	160.00	0.00	160.00	156.88	3.12	51.344	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	160.00	0.00	160.00	156.04	3.96	40.424	CC
400.00	400.00	398.00	397.98	2.33	2.40	0.44	160.30	1.22	160.31	155.66	4.65	34.447	ES
500.00	500.00	496.85	496.76	2.63	2.77	1.75	161.21	4.92	161.30	156.04	5.26	30.651	
600.00	599.99	595.35	595.06	2.98	3.10	69.83	162.73	11.08	162.70	156.88	5.82	27.939	
700.00	699.91	694.12	693.46	3.29	3.24	73.86	164.75	19.26	164.43	158.21	6.22	26.436	
800.00	799.69	793.07	792.04	3.58	3.48	78.71	166.81	27.63	166.55	159.84	6.71	24.822	
833.33	832.91	825.98	824.82	3.60	3.56	80.48	167.50	30.41	167.42	160.61	6.82	24.561	
900.00	899.32	891.74	890.33	3.70	3.72	84.08	168.87	35.98	169.63	162.56	7.08	23.971	
1,000.00	998.94	990.38	988.60	3.92	3.95	89.27	170.93	44.33	174.19	166.65	7.55	23.086	
1,100.00	1,098.56	1,089.03	1,086.87	4.14	4.18	94.17	172.99	52.67	180.14	172.13	8.00	22.511	
1,200.00	1,198.18	1,187.67	1,185.14	4.36	4.40	98.74	175.04	61.02	187.33	178.88	8.45	22.161	
1,201.83	1,200.00	1,189.47	1,186.93	4.36	4.40	98.82	175.08	61.17	187.47	179.01	8.46	22.156	
1,300.00	1,297.68	1,286.11	1,283.20	4.60	4.61	103.16	177.10	69.35	195.93	187.04	8.89	22.034	
1,400.00	1,396.88	1,384.08	1,380.80	4.86	4.82	107.83	179.14	77.64	206.46	197.12	9.34	22.105	
1,500.00	1,495.72	1,481.51	1,477.86	5.10	5.03	112.58	181.18	85.89	219.32	209.53	9.79	22.393	
1,600.00	1,594.13	1,578.33	1,574.31	5.35	5.23	117.28	183.20	94.08	234.83	224.58	10.26	22.898	
1,634.85	1,628.31	1,611.91	1,607.77	5.39	5.30	118.88	183.90	96.92	240.91	230.53	10.38	23.206	
1,700.00	1,692.16	1,674.63	1,670.24	5.49	5.43	121.87	185.20	102.23	252.94	242.30	10.64	23.775	
1,800.00	1,790.15	1,770.89	1,766.13	5.70	5.63	125.94	187.21	110.37	272.61	261.52	11.09	24.590	
1,900.00	1,888.15	1,867.14	1,862.03	5.90	5.83	129.47	189.22	118.52	293.46	281.94	11.52	25.465	
2,000.00	1,986.14	1,963.40	1,957.92	6.11	6.02	132.53	191.23	126.67	315.27	303.31	11.95	26.374	
2,100.00	2,084.14	2,059.66	2,053.81	6.32	6.21	135.20	193.24	134.81	337.84	325.46	12.38	27.297	
2,200.00	2,182.13	2,155.92	2,149.70	6.53	6.41	137.54	195.25	142.96	361.04	348.24	12.80	28.207	
2,300.00	2,280.12	2,247.99	2,241.40	6.75	6.60	139.51	197.22	150.97	384.99	371.78	13.21	29.153	
2,400.00	2,378.12	2,334.66	2,327.55	6.97	6.80	141.17	199.49	160.16	411.25	397.66	13.59	30.263	
2,500.00	2,476.11	2,420.21	2,412.36	7.20	6.99	142.61	202.18	171.10	440.01	426.04	13.97	31.498	
2,600.00	2,574.11	2,500.00	2,491.20	7.44	7.18	143.80	205.11	182.96	471.18	456.87	14.31	32.927	
2,700.00	2,672.10	2,587.74	2,577.60	7.69	7.38	144.95	208.78	197.84	504.58	489.88	14.70	34.328	
2,800.00	2,770.10	2,669.61	2,657.87	7.94	7.58	145.87	212.63	213.46	540.19	525.14	15.05	35.894	
2,900.00	2,868.09	2,750.15	2,736.48	8.20	7.76	146.66	216.82	230.46	577.90	562.51	15.39	37.547	
3,000.00	2,966.08	2,829.33	2,813.39	8.46	7.94	147.34	221.32	248.73	617.62	601.91	15.71	39.310	
3,100.00	3,064.08	2,912.89	2,894.16	8.72	8.09	147.95	226.44	269.49	659.11	643.08	16.03	41.112	
3,200.00	3,162.07	3,003.49	2,981.68	8.98	8.28	148.53	232.05	292.27	700.95	684.52	16.43	42.655	
3,300.00	3,260.07	3,094.10	3,069.20	9.25	8.48	149.05	237.67	315.04	742.84	726.01	16.84	44.124	
3,400.00	3,358.06	3,184.71	3,156.71	9.51	8.67	149.52	243.28	337.82	784.78	767.54	17.24	45.523	
3,500.00	3,456.05	3,275.31	3,244.23	9.77	8.87	149.93	248.89	360.59	826.76	809.12	17.64	46.857	
3,600.00	3,554.05	3,365.92	3,331.75	10.04	9.08	150.31	254.51	383.36	868.77	850.72	18.05	48.130	
3,700.00	3,652.04	3,456.52	3,419.26	10.31	9.31	150.65	260.12	406.14	910.81	892.35	18.46	49.345	
3,800.00	3,750.04	3,547.13	3,506.78	10.57	9.55	150.97	265.73	428.91	952.87	934.01	18.87	50.506	
3,900.00	3,848.03	3,637.74	3,594.30	10.84	9.81	151.25	271.35	451.69	994.96	975.68	19.28	51.616	
4,000.00	3,946.02	3,728.34	3,681.82	11.11	10.08	151.51	276.96	474.46	1,037.06	1,017.38	19.69	52.677	
4,100.00	4,044.02	3,818.95	3,769.33	11.37	10.36	151.76	282.58	497.23	1,079.18	1,059.08	20.10	53.693	
4,200.00	4,142.01	3,909.55	3,856.85	11.64	10.64	151.98	288.19	520.01	1,121.32	1,100.81	20.51	54.666	
4,300.00	4,240.01	4,000.16	3,944.37	11.91	10.93	152.19	293.80	542.78	1,163.46	1,142.54	20.93	55.599	
4,400.00	4,338.00	4,090.76	4,031.88	12.18	11.22	152.38	299.42	565.56	1,205.62	1,184.28	21.34	56.494	
4,500.00	4,435.99	4,181.37	4,119.40	12.45	11.51	152.56	305.03	588.33	1,247.79	1,226.04	21.76	57.353	
4,600.00	4,533.99	4,271.98	4,206.92	12.72	11.80	152.73	310.64	611.10	1,289.97	1,267.80	22.17	58.177	
4,700.00	4,631.98	4,362.58	4,294.44	12.99	12.09	152.89	316.26	633.88	1,332.16	1,309.57	22.59	58.969	
4,800.00	4,729.98	4,453.19	4,381.95	13.26	12.39	153.04	321.87	656.65	1,374.36	1,351.35	23.01	59.731	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
4,900.00	4,827.97	4,543.79	4,469.47	13.53	12.68	153.18	327.48	679.43	1,416.56	1,393.13	23.43	60.464	
5,000.00	4,925.97	4,634.40	4,556.99	13.80	12.98	153.31	333.10	702.20	1,458.77	1,434.92	23.85	61.169	
5,100.00	5,023.96	4,725.01	4,644.50	14.07	13.28	153.43	338.71	724.97	1,500.99	1,476.72	24.27	61.848	
5,200.00	5,121.95	4,815.61	4,732.02	14.34	13.58	153.55	344.33	747.75	1,543.21	1,518.52	24.69	62.502	
5,300.00	5,219.95	4,906.22	4,819.54	14.61	13.88	153.66	349.94	770.52	1,585.43	1,560.32	25.11	63.133	
5,400.00	5,317.94	4,996.82	4,907.06	14.88	14.18	153.76	355.55	793.30	1,627.67	1,602.13	25.54	63.741	
5,500.00	5,415.94	5,087.43	4,994.57	15.15	14.48	153.86	361.17	816.07	1,669.90	1,643.94	25.96	64.327	
5,600.00	5,513.93	5,178.03	5,082.09	15.42	14.79	153.96	366.78	838.84	1,712.14	1,685.76	26.38	64.894	
5,700.00	5,611.92	5,268.64	5,169.61	15.69	15.09	154.05	372.39	861.62	1,754.38	1,727.57	26.81	65.440	
5,800.00	5,709.92	5,359.25	5,257.12	15.96	15.40	154.14	378.01	884.39	1,796.63	1,769.39	27.23	65.969	
5,900.00	5,807.91	5,449.85	5,344.64	16.24	15.70	154.22	383.62	907.17	1,838.88	1,811.21	27.66	66.470	
5,905.98	5,813.78	5,455.27	5,349.88	16.26	15.72	154.22	383.96	908.53	1,841.41	1,813.71	27.69	66.499	
6,000.00	5,906.13	5,540.90	5,432.59	16.50	16.01	154.55	389.26	930.05	1,880.18	1,852.09	28.09	66.928	
6,100.00	6,004.80	5,632.92	5,521.47	16.73	16.32	154.85	394.96	953.18	1,919.32	1,890.80	28.52	67.298	
6,200.00	6,103.86	5,725.83	5,611.22	16.93	16.64	155.09	400.72	976.53	1,956.28	1,927.34	28.94	67.595	
6,300.00	6,203.25	5,819.59	5,701.78	17.11	16.95	155.27	406.53	1,000.10	1,991.01	1,961.66	29.36	67.823	
6,400.00	6,302.89	5,914.12	5,793.09	17.27	17.27	155.41	412.39	1,023.86	2,023.51	1,993.76	29.76	68.003	
6,500.00	6,402.72	6,112.18	5,985.62	17.39	17.88	155.41	423.48	1,068.86	2,051.40	2,020.81	30.59	67.063	
6,600.00	6,502.67	6,317.92	6,187.89	17.49	18.41	155.36	432.46	1,105.28	2,071.99	2,040.62	31.36	66.065	
6,672.34	6,575.00	6,469.80	6,338.34	17.53	18.72	89.78	437.40	1,125.36	2,082.18	2,050.36	31.82	65.435	
6,700.00	6,602.66	6,528.35	6,396.55	17.54	18.83	89.74	438.93	1,131.54	2,085.11	2,053.14	31.97	65.225	
6,800.00	6,702.66	6,741.35	6,608.94	17.60	19.12	89.64	442.67	1,146.72	2,092.25	2,059.78	32.47	64.441	
6,900.00	6,802.66	6,934.13	6,801.66	17.66	19.27	89.61	443.62	1,150.57	2,094.05	2,061.27	32.78	63.884	
7,000.00	6,902.66	7,034.13	6,901.66	17.71	19.31	89.61	443.62	1,150.57	2,094.05	2,061.17	32.88	63.685	
7,100.00	7,002.66	7,134.13	7,001.66	17.77	19.36	89.61	443.62	1,150.57	2,094.05	2,061.06	32.99	63.474	
7,200.00	7,102.66	7,234.13	7,101.66	17.83	19.42	89.61	443.62	1,150.57	2,094.05	2,060.95	33.10	63.264	
7,300.00	7,202.66	7,334.13	7,201.66	17.89	19.47	89.61	443.62	1,150.57	2,094.05	2,060.84	33.21	63.055	
7,400.00	7,302.66	7,434.13	7,301.66	17.95	19.52	89.61	443.62	1,150.57	2,094.05	2,060.73	33.32	62.846	
7,500.00	7,402.66	7,534.13	7,401.66	18.01	19.57	89.61	443.62	1,150.57	2,094.05	2,060.62	33.43	62.637	
7,600.00	7,502.66	7,634.13	7,501.66	18.07	19.62	89.61	443.62	1,150.57	2,094.05	2,060.51	33.54	62.429	
7,700.00	7,602.66	7,734.13	7,601.66	18.13	19.67	89.61	443.62	1,150.57	2,094.05	2,060.39	33.65	62.222	
7,800.00	7,702.66	7,834.13	7,701.66	18.19	19.72	89.61	443.62	1,150.57	2,094.05	2,060.28	33.77	62.016	
7,900.00	7,802.66	7,934.13	7,801.66	18.25	19.78	89.61	443.62	1,150.57	2,094.05	2,060.17	33.88	61.810	
8,000.00	7,902.66	8,034.13	7,901.66	18.31	19.83	89.61	443.62	1,150.57	2,094.05	2,060.06	33.99	61.604	
8,100.00	8,002.66	8,134.13	8,001.66	18.37	19.88	89.61	443.62	1,150.57	2,094.05	2,059.94	34.11	61.399	
8,200.00	8,102.66	8,234.13	8,101.66	18.43	19.93	89.61	443.62	1,150.57	2,094.05	2,059.83	34.22	61.195	
8,300.00	8,202.66	8,334.13	8,201.66	18.50	19.99	89.61	443.62	1,150.57	2,094.05	2,059.72	34.33	60.992	
8,400.00	8,302.66	8,434.13	8,301.66	18.56	20.04	89.61	443.62	1,150.57	2,094.05	2,059.60	34.45	60.789	
8,500.00	8,402.66	8,534.13	8,401.66	18.62	20.09	89.61	443.62	1,150.57	2,094.05	2,059.49	34.56	60.587	
8,600.00	8,502.66	8,634.13	8,501.66	18.68	20.15	89.61	443.62	1,150.57	2,094.05	2,059.37	34.68	60.385	
8,700.00	8,602.66	8,734.13	8,601.66	18.74	20.20	89.61	443.62	1,150.57	2,094.05	2,059.25	34.79	60.185	
8,800.00	8,702.66	8,834.13	8,701.66	18.80	20.26	89.61	443.62	1,150.57	2,094.05	2,059.14	34.91	59.984	
8,900.00	8,802.66	8,934.13	8,801.66	18.87	20.31	89.61	443.62	1,150.57	2,094.05	2,059.02	35.03	59.785	
9,000.00	8,902.66	9,034.13	8,901.66	18.93	20.36	89.61	443.62	1,150.57	2,094.05	2,058.91	35.14	59.586	
9,100.00	9,002.66	9,134.13	9,001.66	18.99	20.42	89.61	443.62	1,150.57	2,094.05	2,058.79	35.26	59.388	
9,200.00	9,102.66	9,234.13	9,101.66	19.05	20.47	89.61	443.62	1,150.57	2,094.05	2,058.67	35.38	59.191	
9,300.00	9,202.66	9,334.13	9,201.66	19.12	20.53	89.61	443.62	1,150.57	2,094.05	2,058.55	35.50	58.994	
9,400.00	9,302.66	9,434.13	9,301.66	19.18	20.58	89.61	443.62	1,150.57	2,094.05	2,058.43	35.61	58.798	
9,500.00	9,402.66	9,534.13	9,401.66	19.24	20.64	89.61	443.62	1,150.57	2,094.05	2,058.32	35.73	58.603	
9,600.00	9,502.66	9,634.13	9,501.66	19.30	20.69	89.61	443.62	1,150.57	2,094.05	2,058.20	35.85	58.409	
9,700.00	9,602.66	9,734.13	9,601.66	19.37	20.75	89.61	443.62	1,150.57	2,094.05	2,058.08	35.97	58.215	
9,800.00	9,702.66	9,834.13	9,701.66	19.43	20.81	89.61	443.62	1,150.57	2,094.05	2,057.96	36.09	58.022	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,900.00	9,802.66	9,934.13	9,801.66	19.49	20.86	89.61	443.62	1,150.57	2,094.05	2,057.84	36.21	57.830	
10,000.00	9,902.66	10,034.13	9,901.66	19.56	20.92	89.61	443.62	1,150.57	2,094.05	2,057.72	36.33	57.638	
10,100.00	10,002.66	10,134.13	10,001.66	19.62	20.97	89.61	443.62	1,150.57	2,094.05	2,057.60	36.45	57.447	
10,200.00	10,102.66	10,234.13	10,101.66	19.69	21.03	89.61	443.62	1,150.57	2,094.05	2,057.48	36.57	57.257	
10,300.00	10,202.66	10,334.13	10,201.66	19.75	21.09	89.61	443.62	1,150.57	2,094.05	2,057.35	36.69	57.068	
10,400.00	10,302.66	10,434.13	10,301.66	19.81	21.14	89.61	443.62	1,150.57	2,094.05	2,057.23	36.82	56.879	
10,500.00	10,402.66	10,534.13	10,401.66	19.88	21.20	89.61	443.62	1,150.57	2,094.05	2,057.11	36.94	56.692	
10,600.00	10,502.66	10,634.13	10,501.66	19.94	21.26	89.61	443.62	1,150.57	2,094.05	2,056.99	37.06	56.505	
10,700.00	10,602.66	10,734.13	10,601.66	20.01	21.32	89.61	443.62	1,150.57	2,094.05	2,056.87	37.18	56.318	
10,800.00	10,702.66	10,834.13	10,701.66	20.07	21.37	89.61	443.62	1,150.57	2,094.05	2,056.74	37.31	56.133	
10,900.00	10,802.66	10,934.13	10,801.66	20.14	21.43	89.61	443.62	1,150.57	2,094.05	2,056.62	37.43	55.948	
11,000.00	10,902.66	11,034.13	10,901.66	20.20	21.49	89.61	443.62	1,150.57	2,094.05	2,056.50	37.55	55.764	
11,100.00	11,002.66	11,134.13	11,001.66	20.27	21.55	89.61	443.62	1,150.57	2,094.05	2,056.37	37.68	55.581	
11,175.34	11,078.00	11,209.47	11,077.00	20.31	21.59	89.61	443.62	1,150.57	2,094.05	2,056.29	37.76	55.457	
11,200.00	11,102.65	11,234.12	11,101.65	20.31	21.60	-89.91	443.62	1,150.57	2,094.05	2,056.27	37.77	55.436	
11,241.16	11,143.67	11,275.14	11,142.67	20.33	21.63	-90.00	443.62	1,150.57	2,094.05	2,056.27	37.78	55.428	
11,250.00	11,152.45	11,283.92	11,151.45	20.33	21.63	-90.03	443.62	1,150.57	2,094.05	2,056.26	37.78	55.426	
11,300.00	11,201.68	11,333.15	11,200.68	20.35	21.66	-90.26	443.62	1,150.57	2,094.07	2,056.30	37.77	55.442	
11,350.00	11,249.97	11,381.44	11,248.97	20.35	21.69	-90.59	443.62	1,150.57	2,094.17	2,056.42	37.74	55.483	
11,400.00	11,296.95	11,428.42	11,295.95	20.35	21.72	-91.00	443.62	1,150.57	2,094.42	2,056.72	37.70	55.552	
11,450.00	11,342.26	11,473.73	11,341.26	20.35	21.74	-91.48	443.62	1,150.57	2,094.93	2,057.28	37.65	55.647	
11,500.00	11,385.56	11,517.03	11,384.56	20.34	21.77	-91.98	443.62	1,150.57	2,095.80	2,058.22	37.58	55.769	
11,550.00	11,426.53	11,557.99	11,425.53	20.33	21.79	-92.48	443.62	1,150.57	2,097.17	2,059.67	37.50	55.920	
11,600.00	11,464.83	11,596.30	11,463.83	20.33	21.82	-92.95	443.62	1,150.57	2,099.17	2,061.75	37.42	56.098	
11,650.00	11,500.20	11,631.67	11,499.20	20.34	21.83	-93.36	443.62	1,150.57	2,101.93	2,064.60	37.33	56.308	
11,700.00	11,532.35	11,663.82	11,531.35	20.35	21.85	-93.66	443.62	1,150.57	2,105.58	2,068.35	37.24	56.546	
11,750.00	11,561.05	11,697.57	11,565.10	20.38	21.86	-93.95	443.51	1,150.57	2,110.25	2,073.10	37.14	56.816	
11,800.00	11,586.06	11,752.42	11,619.81	20.42	21.90	-94.63	439.83	1,150.60	2,115.79	2,078.75	37.03	57.130	
11,850.00	11,607.21	11,818.04	11,684.42	20.48	21.93	-95.47	428.58	1,150.70	2,122.05	2,085.11	36.94	57.448	
11,900.00	11,624.34	11,901.05	11,763.60	20.56	21.97	-96.57	403.91	1,150.91	2,128.86	2,091.98	36.88	57.727	
11,950.00	11,637.30	11,985.26	11,839.21	20.66	22.00	-97.56	367.07	1,151.23	2,135.84	2,098.98	36.87	57.930	
12,000.00	11,646.01	12,177.21	11,986.90	20.77	22.11	-100.23	246.00	1,152.27	2,142.38	2,105.26	37.12	57.715	
12,050.00	11,650.40	12,382.26	12,090.48	20.91	22.42	-102.08	70.41	1,153.78	2,146.79	2,109.19	37.60	57.089	
12,070.38	11,650.94	12,534.36	12,124.59	20.97	22.87	-102.78	-77.29	1,155.06	2,147.61	2,109.59	38.02	56.493	
12,100.00	11,651.19	12,603.18	12,127.13	21.07	23.14	-102.83	-146.03	1,155.65	2,147.68	2,109.44	38.24	56.165	
12,200.00	11,652.06	12,703.18	12,128.00	21.42	23.58	-102.83	-246.02	1,156.51	2,147.68	2,108.85	38.83	55.308	
12,300.00	11,652.93	12,803.18	12,128.87	21.84	24.08	-102.83	-346.02	1,157.37	2,147.68	2,108.09	39.60	54.239	
12,400.00	11,653.79	12,903.18	12,129.74	22.31	24.63	-102.83	-446.01	1,158.23	2,147.68	2,107.16	40.52	52.997	
12,500.00	11,654.66	13,003.18	12,130.61	22.84	25.23	-102.83	-546.00	1,159.09	2,147.69	2,106.08	41.61	51.620	
12,600.00	11,655.52	13,103.18	12,131.48	23.42	25.89	-102.83	-645.99	1,159.96	2,147.69	2,104.86	42.83	50.149	
12,700.00	11,656.39	13,203.18	12,132.36	24.05	26.58	-102.83	-745.99	1,160.82	2,147.69	2,103.51	44.18	48.616	
12,800.00	11,657.26	13,303.18	12,133.23	24.73	27.32	-102.83	-845.98	1,161.68	2,147.69	2,102.05	45.64	47.053	
12,900.00	11,658.12	13,403.18	12,134.10	25.46	28.11	-102.83	-945.97	1,162.54	2,147.69	2,100.47	47.22	45.485	
13,000.00	11,658.99	13,503.18	12,134.97	26.23	28.92	-102.83	-1,045.96	1,163.40	2,147.69	2,098.81	48.89	43.931	
13,100.00	11,659.85	13,603.18	12,135.84	27.05	29.78	-102.83	-1,145.96	1,164.26	2,147.70	2,097.05	50.64	42.407	
13,200.00	11,660.72	13,703.18	12,136.71	27.90	30.66	-102.83	-1,245.95	1,165.12	2,147.70	2,095.22	52.48	40.924	
13,300.00	11,661.59	13,803.18	12,137.58	28.80	31.58	-102.83	-1,345.94	1,165.98	2,147.70	2,093.31	54.38	39.491	
13,400.00	11,662.45	13,903.18	12,138.46	29.73	32.53	-102.83	-1,445.93	1,166.85	2,147.70	2,091.35	56.35	38.112	
13,500.00	11,663.32	14,003.18	12,139.33	30.69	33.50	-102.83	-1,545.93	1,167.71	2,147.70	2,089.33	58.38	36.790	
13,600.00	11,664.18	14,103.18	12,140.20	31.67	34.50	-102.83	-1,645.92	1,168.57	2,147.70	2,087.25	60.45	35.527	
13,700.00	11,665.05	14,203.18	12,141.07	32.69	35.52	-102.83	-1,745.91	1,169.43	2,147.71	2,085.13	62.57	34.323	
13,800.00	11,665.92	14,303.18	12,141.94	33.73	36.56	-102.83	-1,845.90	1,170.29	2,147.71	2,082.97	64.74	33.177	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
13,900.00	11,666.78	14,403.18	12,142.81	34.79	37.63	-102.83	-1,945.90	1,171.15	2,147.71	2,080.77	66.94	32.086	
14,000.00	11,667.65	14,503.18	12,143.69	35.88	38.71	-102.83	-2,045.89	1,172.01	2,147.71	2,078.54	69.17	31.050	
14,100.00	11,668.51	14,603.18	12,144.56	36.98	39.81	-102.83	-2,145.88	1,172.87	2,147.71	2,076.28	71.43	30.066	
14,200.00	11,669.38	14,703.18	12,145.43	38.10	40.92	-102.83	-2,245.87	1,173.74	2,147.72	2,073.99	73.72	29.131	
14,300.00	11,670.24	14,803.18	12,146.30	39.23	42.05	-102.83	-2,345.87	1,174.60	2,147.72	2,071.68	76.04	28.244	
14,400.00	11,671.11	14,903.18	12,147.17	40.38	43.19	-102.83	-2,445.86	1,175.46	2,147.72	2,069.34	78.38	27.401	
14,500.00	11,671.98	15,003.18	12,148.04	41.55	44.34	-102.83	-2,545.85	1,176.32	2,147.72	2,066.98	80.74	26.599	
14,600.00	11,672.84	15,103.18	12,148.92	42.72	45.51	-102.83	-2,645.84	1,177.18	2,147.72	2,064.60	83.12	25.838	
14,700.00	11,673.71	15,203.18	12,149.79	43.91	46.68	-102.83	-2,745.84	1,178.04	2,147.72	2,062.20	85.52	25.113	
14,800.00	11,674.57	15,303.18	12,150.66	45.11	47.87	-102.83	-2,845.83	1,178.90	2,147.73	2,059.79	87.94	24.424	
14,900.00	11,675.44	15,403.18	12,151.53	46.32	49.07	-102.84	-2,945.82	1,179.77	2,147.73	2,057.36	90.37	23.767	
15,000.00	11,676.31	15,503.18	12,152.40	47.53	50.27	-102.84	-3,045.81	1,180.63	2,147.73	2,054.92	92.81	23.142	
15,100.00	11,677.17	15,603.18	12,153.27	48.76	51.48	-102.84	-3,145.81	1,181.49	2,147.73	2,052.47	95.26	22.545	
15,200.00	11,678.04	15,703.18	12,154.15	49.99	52.71	-102.84	-3,245.80	1,182.35	2,147.73	2,050.00	97.73	21.976	
15,300.00	11,678.90	15,803.18	12,155.02	51.23	53.93	-102.84	-3,345.79	1,183.21	2,147.74	2,047.53	100.21	21.433	
15,400.00	11,679.77	15,903.18	12,155.89	52.47	55.17	-102.84	-3,445.78	1,184.07	2,147.74	2,045.04	102.70	20.913	
15,500.00	11,680.64	16,003.18	12,156.76	53.73	56.41	-102.84	-3,545.78	1,184.93	2,147.74	2,042.54	105.19	20.417	
15,600.00	11,681.50	16,103.18	12,157.63	54.98	57.65	-102.84	-3,645.77	1,185.79	2,147.74	2,040.04	107.70	19.942	
15,700.00	11,682.37	16,203.18	12,158.50	56.25	58.90	-102.84	-3,745.76	1,186.66	2,147.74	2,037.53	110.21	19.487	
15,800.00	11,683.23	16,303.18	12,159.38	57.52	60.16	-102.84	-3,845.75	1,187.52	2,147.74	2,035.01	112.74	19.051	
15,900.00	11,684.10	16,403.18	12,160.25	58.79	61.42	-102.84	-3,945.75	1,188.38	2,147.75	2,032.48	115.27	18.633	
16,000.00	11,684.97	16,503.18	12,161.12	60.06	62.69	-102.84	-4,045.74	1,189.24	2,147.75	2,029.95	117.80	18.232	
16,100.00	11,685.83	16,603.18	12,161.99	61.35	63.96	-102.84	-4,145.73	1,190.10	2,147.75	2,027.41	120.34	17.847	
16,200.00	11,686.70	16,703.18	12,162.86	62.63	65.23	-102.84	-4,245.72	1,190.96	2,147.75	2,024.86	122.89	17.477	
16,300.00	11,687.56	16,803.18	12,163.73	63.92	66.51	-102.84	-4,345.72	1,191.82	2,147.75	2,022.31	125.44	17.121	
16,400.00	11,688.43	16,903.18	12,164.61	65.21	67.79	-102.84	-4,445.71	1,192.68	2,147.75	2,019.75	128.00	16.779	
16,500.00	11,689.30	17,003.18	12,165.48	66.51	69.08	-102.84	-4,545.70	1,193.55	2,147.76	2,017.19	130.56	16.450	
16,600.00	11,690.16	17,103.18	12,166.35	67.80	70.36	-102.84	-4,645.69	1,194.41	2,147.76	2,014.63	133.13	16.133	
16,700.00	11,691.03	17,203.18	12,167.22	69.10	71.66	-102.84	-4,745.69	1,195.27	2,147.76	2,012.06	135.70	15.827	
16,800.00	11,691.89	17,303.18	12,168.09	70.41	72.95	-102.84	-4,845.68	1,196.13	2,147.76	2,009.48	138.28	15.532	
16,900.00	11,692.76	17,403.18	12,168.96	71.71	74.25	-102.84	-4,945.67	1,196.99	2,147.76	2,006.91	140.86	15.248	
17,000.00	11,693.63	17,503.18	12,169.83	73.02	75.55	-102.84	-5,045.66	1,197.85	2,147.77	2,004.32	143.44	14.973	
17,100.00	11,694.49	17,603.18	12,170.71	74.33	76.85	-102.84	-5,145.66	1,198.71	2,147.77	2,001.74	146.03	14.708	
17,200.00	11,695.36	17,703.18	12,171.58	75.64	78.15	-102.84	-5,245.65	1,199.57	2,147.77	1,999.15	148.62	14.452	
17,300.00	11,696.22	17,803.18	12,172.45	76.96	79.46	-102.84	-5,345.64	1,200.44	2,147.77	1,996.56	151.21	14.204	
17,400.00	11,697.09	17,903.18	12,173.32	78.28	80.77	-102.84	-5,445.63	1,201.30	2,147.77	1,993.97	153.81	13.964	
17,500.00	11,697.96	18,003.18	12,174.19	79.59	82.08	-102.84	-5,545.63	1,202.16	2,147.77	1,991.37	156.40	13.732	
17,600.00	11,698.82	18,103.18	12,175.06	80.91	83.39	-102.84	-5,645.62	1,203.02	2,147.78	1,988.77	159.01	13.508	
17,700.00	11,699.69	18,203.18	12,175.94	82.24	84.70	-102.84	-5,745.61	1,203.88	2,147.78	1,986.17	161.61	13.290	
17,800.00	11,700.55	18,303.18	12,176.81	83.56	86.02	-102.84	-5,845.60	1,204.74	2,147.78	1,983.56	164.22	13.079	
17,900.00	11,701.42	18,403.18	12,177.68	84.88	87.34	-102.84	-5,945.60	1,205.60	2,147.78	1,980.96	166.82	12.875	
18,000.00	11,702.29	18,503.18	12,178.55	86.21	88.66	-102.84	-6,045.59	1,206.46	2,147.78	1,978.35	169.43	12.676	
18,100.00	11,703.15	18,603.18	12,179.42	87.54	89.98	-102.84	-6,145.58	1,207.33	2,147.79	1,975.74	172.05	12.484	
18,200.00	11,704.02	18,703.18	12,180.29	88.87	91.30	-102.84	-6,245.57	1,208.19	2,147.79	1,973.12	174.66	12.297	
18,300.00	11,704.88	18,803.18	12,181.17	90.20	92.62	-102.84	-6,345.57	1,209.05	2,147.79	1,970.51	177.28	12.115	
18,400.00	11,705.75	18,903.18	12,182.04	91.53	93.95	-102.84	-6,445.56	1,209.91	2,147.79	1,967.89	179.90	11.939	
18,500.00	11,706.62	19,003.18	12,182.91	92.86	95.27	-102.84	-6,545.55	1,210.77	2,147.79	1,965.28	182.52	11.768	
18,600.00	11,707.48	19,103.18	12,183.78	94.19	96.60	-102.84	-6,645.54	1,211.63	2,147.79	1,962.66	185.14	11.601	
18,700.00	11,708.35	19,203.18	12,184.65	95.53	97.93	-102.84	-6,745.54	1,212.49	2,147.80	1,960.03	187.76	11.439	
18,800.00	11,709.21	19,303.18	12,185.52	96.87	99.26	-102.84	-6,845.53	1,213.36	2,147.80	1,957.41	190.39	11.281	
18,900.00	11,710.08	19,403.18	12,186.40	98.20	100.59	-102.84	-6,945.52	1,214.22	2,147.80	1,954.79	193.01	11.128	
19,000.00	11,710.95	19,503.18	12,187.27	99.54	101.92	-102.84	-7,045.51	1,215.08	2,147.80	1,952.16	195.64	10.978	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
19,100.00	11,711.81	19,603.18	12,188.14	100.88	103.25	-102.84	-7,145.51	1,215.94	2,147.80	1,949.53	198.27	10.833	
19,200.00	11,712.68	19,703.18	12,189.01	102.22	104.59	-102.84	-7,245.50	1,216.80	2,147.80	1,946.90	200.90	10.691	
19,300.00	11,713.54	19,803.18	12,189.88	103.56	105.92	-102.84	-7,345.49	1,217.66	2,147.81	1,944.27	203.53	10.553	
19,400.00	11,714.41	19,903.18	12,190.75	104.90	107.26	-102.84	-7,445.48	1,218.52	2,147.81	1,941.64	206.17	10.418	
19,500.00	11,715.28	20,003.18	12,191.63	106.24	108.59	-102.84	-7,545.48	1,219.38	2,147.81	1,939.01	208.80	10.286	
19,600.00	11,716.14	20,103.18	12,192.50	107.58	109.93	-102.84	-7,645.47	1,220.25	2,147.81	1,936.38	211.43	10.158	
19,700.00	11,717.01	20,203.18	12,193.37	108.92	111.27	-102.84	-7,745.46	1,221.11	2,147.81	1,933.74	214.07	10.033	
19,800.00	11,717.87	20,303.18	12,194.24	110.27	112.61	-102.84	-7,845.45	1,221.97	2,147.82	1,931.11	216.71	9.911	
19,900.00	11,718.74	20,403.18	12,195.11	111.61	113.95	-102.84	-7,945.45	1,222.83	2,147.82	1,928.47	219.35	9.792	
20,000.00	11,719.61	20,503.18	12,195.98	112.96	115.29	-102.84	-8,045.44	1,223.69	2,147.82	1,925.83	221.99	9.676	
20,100.00	11,720.47	20,603.18	12,196.85	114.30	116.63	-102.84	-8,145.43	1,224.55	2,147.82	1,923.20	224.63	9.562	
20,200.00	11,721.34	20,703.18	12,197.73	115.65	117.97	-102.84	-8,245.42	1,225.41	2,147.82	1,920.56	227.27	9.451	
20,300.00	11,722.20	20,803.18	12,198.60	117.00	119.31	-102.84	-8,345.42	1,226.27	2,147.82	1,917.92	229.91	9.342	
20,400.00	11,723.07	20,903.18	12,199.47	118.34	120.65	-102.84	-8,445.41	1,227.14	2,147.83	1,915.28	232.55	9.236	
20,500.00	11,723.94	21,003.18	12,200.34	119.69	122.00	-102.84	-8,545.40	1,228.00	2,147.83	1,912.63	235.19	9.132	
20,600.00	11,724.80	21,103.18	12,201.21	121.04	123.34	-102.84	-8,645.39	1,228.86	2,147.83	1,909.99	237.84	9.031	
20,700.00	11,725.67	21,203.18	12,202.08	122.39	124.69	-102.84	-8,745.39	1,229.72	2,147.83	1,907.35	240.48	8.931	
20,800.00	11,726.53	21,303.18	12,202.96	123.74	126.03	-102.84	-8,845.38	1,230.58	2,147.83	1,904.70	243.13	8.834	
20,900.00	11,727.40	21,403.18	12,203.83	125.09	127.38	-102.84	-8,945.37	1,231.44	2,147.84	1,902.06	245.78	8.739	
21,000.00	11,728.27	21,503.18	12,204.70	126.44	128.72	-102.84	-9,045.36	1,232.30	2,147.84	1,899.41	248.42	8.646	
21,100.00	11,729.13	21,603.18	12,205.57	127.79	130.07	-102.84	-9,145.36	1,233.16	2,147.84	1,896.77	251.07	8.555	
21,200.00	11,730.00	21,703.18	12,206.44	129.14	131.42	-102.84	-9,245.35	1,234.03	2,147.84	1,894.12	253.72	8.465	
21,300.00	11,730.86	21,803.18	12,207.31	130.49	132.76	-102.84	-9,345.34	1,234.89	2,147.84	1,891.47	256.37	8.378	
21,400.00	11,731.73	21,903.18	12,208.19	131.84	134.11	-102.84	-9,445.33	1,235.75	2,147.84	1,888.83	259.02	8.292	
21,500.00	11,732.60	22,003.18	12,209.06	133.19	135.46	-102.84	-9,545.33	1,236.61	2,147.85	1,886.18	261.67	8.208	
21,600.00	11,733.46	22,103.18	12,209.93	134.54	136.81	-102.84	-9,645.32	1,237.47	2,147.85	1,883.53	264.32	8.126	
21,700.00	11,734.33	22,203.18	12,210.80	135.90	138.16	-102.84	-9,745.31	1,238.33	2,147.85	1,880.88	266.97	8.045	
21,800.00	11,735.19	22,303.18	12,211.67	137.25	139.51	-102.84	-9,845.30	1,239.19	2,147.85	1,878.23	269.62	7.966	
21,900.00	11,736.06	22,403.18	12,212.54	138.60	140.86	-102.85	-9,945.30	1,240.06	2,147.85	1,875.58	272.27	7.889	
22,000.00	11,736.93	22,503.18	12,213.42	139.96	142.21	-102.85	-10,045.29	1,240.92	2,147.86	1,872.93	274.93	7.812	
22,008.51	11,737.00	22,511.70	12,213.49	140.07	142.32	-102.85	-10,053.80	1,240.99	2,147.86	1,872.70	275.15	7.806	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	185.00	0.00	185.00				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	185.00	0.00	185.00	183.05	1.95	94.633	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	185.00	0.00	185.00	181.88	3.12	59.366	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	185.00	0.00	185.00	181.04	3.96	46.740	CC
400.00	400.00	396.37	396.36	2.33	2.40	0.31	185.68	1.01	185.70	181.03	4.67	39.759	ES
500.00	500.00	493.60	493.51	2.63	2.76	1.24	187.74	4.07	187.86	182.57	5.30	35.478	
600.00	599.99	590.51	590.23	2.98	3.09	68.58	191.16	9.16	191.10	185.23	5.87	32.552	
700.00	699.91	688.57	687.94	3.29	3.24	71.53	195.80	16.05	195.06	188.78	6.28	31.070	
800.00	799.69	787.68	786.67	3.58	3.48	75.15	200.62	23.22	199.03	192.26	6.76	29.421	
833.33	832.91	820.65	819.51	3.60	3.56	76.47	202.23	25.61	200.40	193.52	6.87	29.161	
900.00	899.32	886.54	885.15	3.70	3.72	79.19	205.43	30.37	203.41	196.28	7.13	28.525	
1,000.00	998.94	985.38	983.62	3.92	3.95	83.10	210.24	37.52	208.76	201.16	7.60	27.480	
1,100.00	1,098.56	1,084.23	1,082.09	4.14	4.18	86.81	215.05	44.67	215.06	207.01	8.05	26.720	
1,200.00	1,198.18	1,183.07	1,180.55	4.36	4.40	90.29	219.86	51.81	222.21	213.72	8.49	26.163	
1,201.83	1,200.00	1,184.87	1,182.35	4.36	4.40	90.35	219.94	51.94	222.35	213.85	8.50	26.154	
1,300.00	1,297.68	1,281.73	1,278.84	4.60	4.62	93.73	224.66	58.95	230.22	221.30	8.92	25.803	
1,400.00	1,396.88	1,379.98	1,376.72	4.86	4.83	97.51	229.44	66.05	239.41	230.05	9.36	25.588	
1,500.00	1,495.72	1,477.76	1,474.12	5.10	5.04	101.52	234.19	73.12	250.16	240.36	9.79	25.540	
1,600.00	1,594.13	1,574.98	1,570.97	5.35	5.24	105.67	238.92	80.16	262.85	252.61	10.24	25.669	
1,634.85	1,628.31	1,608.72	1,604.59	5.39	5.31	107.13	240.56	82.60	267.79	257.43	10.36	25.844	
1,700.00	1,692.16	1,671.73	1,667.36	5.49	5.44	109.91	243.63	87.15	277.63	267.01	10.61	26.155	
1,800.00	1,790.15	1,768.44	1,763.70	5.70	5.64	113.80	248.33	94.15	293.90	282.84	11.06	26.574	
1,900.00	1,888.15	1,865.15	1,860.04	5.90	5.84	117.29	253.04	101.14	311.41	299.91	11.50	27.081	
2,000.00	1,986.14	1,961.86	1,956.39	6.11	6.03	120.41	257.74	108.13	329.95	318.02	11.93	27.652	
2,100.00	2,084.14	2,058.57	2,052.73	6.32	6.23	123.19	262.45	115.13	349.36	337.00	12.36	28.267	
2,200.00	2,182.13	2,155.29	2,149.07	6.53	6.43	125.69	267.15	122.12	369.50	356.71	12.79	28.896	
2,300.00	2,280.12	2,247.80	2,241.22	6.75	6.62	127.84	271.78	129.00	390.50	377.31	13.20	29.586	
2,400.00	2,378.12	2,335.00	2,327.89	6.97	6.82	129.63	277.10	136.90	413.91	400.32	13.59	30.459	
2,500.00	2,476.11	2,421.28	2,413.41	7.20	7.02	131.18	283.45	146.34	439.87	425.89	13.98	31.471	
2,600.00	2,574.11	2,506.58	2,497.69	7.44	7.21	132.50	290.78	157.24	468.26	453.91	14.35	32.634	
2,700.00	2,672.10	2,597.31	2,587.07	7.69	7.35	133.72	299.50	170.20	498.58	483.89	14.69	33.949	
2,800.00	2,770.10	2,692.00	2,680.32	7.94	7.54	134.84	308.68	183.84	529.25	514.16	15.10	35.060	
2,900.00	2,868.09	2,786.70	2,773.58	8.20	7.74	135.84	317.86	197.48	560.09	544.58	15.51	36.120	
3,000.00	2,966.08	2,881.39	2,866.83	8.46	7.93	136.73	327.03	211.13	591.07	575.15	15.92	37.134	
3,100.00	3,064.08	2,976.08	2,960.09	8.72	8.13	137.54	336.21	224.77	622.16	605.83	16.33	38.104	
3,200.00	3,162.07	3,070.77	3,053.34	8.98	8.32	138.27	345.39	238.41	653.36	636.62	16.74	39.032	
3,300.00	3,260.07	3,165.47	3,146.59	9.25	8.52	138.93	354.57	252.05	684.64	667.49	17.15	39.920	
3,400.00	3,358.06	3,260.16	3,239.85	9.51	8.71	139.54	363.75	265.69	716.01	698.44	17.56	40.771	
3,500.00	3,456.05	3,354.85	3,333.10	9.77	8.91	140.10	372.93	279.34	747.43	729.46	17.97	41.585	
3,600.00	3,554.05	3,449.54	3,426.36	10.04	9.10	140.61	382.10	292.98	778.92	760.54	18.39	42.366	
3,700.00	3,652.04	3,544.24	3,519.61	10.31	9.30	141.08	391.28	306.62	810.46	791.66	18.80	43.114	
3,800.00	3,750.04	3,638.93	3,612.86	10.57	9.50	141.51	400.46	320.26	842.04	822.83	19.21	43.836	
3,900.00	3,848.03	3,743.85	3,716.25	10.84	9.71	141.97	410.46	335.13	873.45	853.77	19.67	44.401	
4,000.00	3,946.02	3,865.52	3,836.62	11.11	9.98	142.53	420.34	349.81	902.60	882.38	20.22	44.649	
4,100.00	4,044.02	3,989.09	3,959.38	11.37	10.25	143.15	428.18	361.46	928.96	908.22	20.74	44.792	
4,200.00	4,142.01	4,114.33	4,084.20	11.64	10.50	143.84	433.86	369.90	952.48	931.24	21.24	44.847	
4,300.00	4,240.01	4,241.00	4,210.72	11.91	10.74	144.59	437.27	374.98	973.15	951.45	21.70	44.841	
4,400.00	4,338.00	4,368.85	4,338.55	12.18	10.90	145.41	438.35	376.58	990.94	968.86	22.08	44.879	
4,500.00	4,435.99	4,465.30	4,434.99	12.45	10.96	146.04	438.35	376.58	1,007.52	985.17	22.35	45.075	
4,600.00	4,533.99	4,563.29	4,532.99	12.72	11.04	146.66	438.35	376.58	1,024.21	1,001.57	22.64	45.232	
4,700.00	4,631.98	4,661.29	4,630.98	12.99	11.13	147.26	438.35	376.58	1,041.02	1,018.08	22.93	45.391	
4,800.00	4,729.98	4,759.28	4,728.98	13.26	11.21	147.84	438.35	376.58	1,057.93	1,034.71	23.23	45.551	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,827.97	4,857.27	4,826.97	13.53	11.29	148.40	438.35	376.58	1,074.95	1,051.43	23.52	45.712	
5,000.00	4,925.97	4,955.27	4,924.97	13.80	11.37	148.95	438.35	376.58	1,092.07	1,068.26	23.81	45.873	
5,100.00	5,023.96	5,053.26	5,022.96	14.07	11.45	149.47	438.35	376.58	1,109.28	1,085.18	24.10	46.034	
5,200.00	5,121.95	5,151.26	5,120.95	14.34	11.53	149.99	438.35	376.58	1,126.58	1,102.19	24.39	46.195	
5,300.00	5,219.95	5,249.25	5,218.95	14.61	11.61	150.48	438.35	376.58	1,143.96	1,119.28	24.68	46.356	
5,400.00	5,317.94	5,347.25	5,316.94	14.88	11.70	150.97	438.35	376.58	1,161.43	1,136.46	24.97	46.517	
5,500.00	5,415.94	5,445.24	5,414.94	15.15	11.78	151.43	438.35	376.58	1,178.97	1,153.71	25.26	46.677	
5,600.00	5,513.93	5,543.23	5,512.93	15.42	11.86	151.89	438.35	376.58	1,196.59	1,171.04	25.55	46.836	
5,700.00	5,611.92	5,641.23	5,610.92	15.69	11.94	152.33	438.35	376.58	1,214.28	1,188.44	25.84	46.994	
5,800.00	5,709.92	5,739.22	5,708.92	15.96	12.02	152.76	438.35	376.58	1,232.04	1,205.91	26.13	47.152	
5,900.00	5,807.91	5,837.22	5,806.91	16.24	12.10	153.17	438.35	376.58	1,249.87	1,223.44	26.42	47.300	
5,905.98	5,813.78	5,843.08	5,812.78	16.26	12.11	153.20	438.35	376.58	1,250.94	1,224.49	26.44	47.309	
6,000.00	5,906.13	5,935.43	5,905.13	16.50	12.18	153.66	438.35	376.58	1,266.73	1,240.02	26.72	47.416	
6,100.00	6,004.80	6,034.10	6,003.80	16.73	12.27	154.08	438.35	376.58	1,281.33	1,254.33	27.00	47.449	
6,200.00	6,103.86	6,133.17	6,102.86	16.93	12.35	154.43	438.35	376.58	1,293.63	1,266.35	27.28	47.412	
6,300.00	6,203.25	6,232.55	6,202.25	17.11	12.43	154.70	438.35	376.58	1,303.61	1,276.05	27.56	47.307	
6,400.00	6,302.89	6,332.20	6,301.89	17.27	12.51	154.90	438.35	376.58	1,311.24	1,283.42	27.82	47.138	
6,500.00	6,402.72	6,432.02	6,401.72	17.39	12.60	155.05	438.35	376.58	1,316.51	1,288.45	28.07	46.909	
6,600.00	6,502.67	6,531.97	6,501.67	17.49	12.68	155.12	438.35	376.58	1,319.42	1,291.12	28.30	46.627	
6,672.34	6,575.00	6,604.30	6,574.00	17.53	12.74	89.61	438.35	376.58	1,320.04	1,291.63	28.41	46.460	
6,700.00	6,602.66	6,631.96	6,601.66	17.54	12.76	89.61	438.35	376.58	1,320.04	1,291.60	28.44	46.413	
6,800.00	6,702.66	6,731.96	6,701.66	17.60	12.85	89.61	438.35	376.58	1,320.04	1,291.46	28.58	46.185	
6,900.00	6,802.66	6,831.96	6,801.66	17.66	12.93	89.61	438.35	376.58	1,320.04	1,291.32	28.72	45.959	
7,000.00	6,902.66	6,931.96	6,901.66	17.71	13.01	89.61	438.35	376.58	1,320.04	1,291.18	28.86	45.735	
7,100.00	7,002.66	7,031.96	7,001.66	17.77	13.10	89.61	438.35	376.58	1,320.04	1,291.04	29.00	45.513	
7,200.00	7,102.66	7,131.96	7,101.66	17.83	13.18	89.61	438.35	376.58	1,320.04	1,290.90	29.14	45.293	
7,300.00	7,202.66	7,231.96	7,201.66	17.89	13.26	89.61	438.35	376.58	1,320.04	1,290.75	29.29	45.074	
7,400.00	7,302.66	7,331.96	7,301.66	17.95	13.34	89.61	438.35	376.58	1,320.04	1,290.61	29.43	44.858	
7,500.00	7,402.66	7,431.96	7,401.66	18.01	13.43	89.61	438.35	376.58	1,320.04	1,290.47	29.57	44.643	
7,600.00	7,502.66	7,531.96	7,501.66	18.07	13.51	89.61	438.35	376.58	1,320.04	1,290.33	29.71	44.430	
7,700.00	7,602.66	7,631.96	7,601.66	18.13	13.59	89.61	438.35	376.58	1,320.04	1,290.19	29.85	44.219	
7,800.00	7,702.66	7,731.96	7,701.66	18.19	13.68	89.61	438.35	376.58	1,320.04	1,290.05	29.99	44.009	
7,900.00	7,802.66	7,831.96	7,801.66	18.25	13.76	89.61	438.35	376.58	1,320.04	1,289.90	30.14	43.801	
8,000.00	7,902.66	7,931.96	7,901.66	18.31	13.84	89.61	438.35	376.58	1,320.04	1,289.76	30.28	43.595	
8,100.00	8,002.66	8,031.96	8,001.66	18.37	13.93	89.61	438.35	376.58	1,320.04	1,289.62	30.42	43.391	
8,200.00	8,102.66	8,131.96	8,101.66	18.43	14.01	89.61	438.35	376.58	1,320.04	1,289.48	30.56	43.188	
8,300.00	8,202.66	8,231.96	8,201.66	18.50	14.09	89.61	438.35	376.58	1,320.04	1,289.33	30.71	42.987	
8,400.00	8,302.66	8,331.96	8,301.66	18.56	14.18	89.61	438.35	376.58	1,320.04	1,289.19	30.85	42.787	
8,500.00	8,402.66	8,431.96	8,401.66	18.62	14.26	89.61	438.35	376.58	1,320.04	1,289.05	30.99	42.590	
8,600.00	8,502.66	8,531.96	8,501.66	18.68	14.34	89.61	438.35	376.58	1,320.04	1,288.90	31.14	42.393	
8,700.00	8,602.66	8,631.96	8,601.66	18.74	14.42	89.61	438.35	376.58	1,320.04	1,288.76	31.28	42.199	
8,800.00	8,702.66	8,731.96	8,701.66	18.80	14.51	89.61	438.35	376.58	1,320.04	1,288.62	31.43	42.006	
8,900.00	8,802.66	8,831.96	8,801.66	18.87	14.59	89.61	438.35	376.58	1,320.04	1,288.47	31.57	41.814	
9,000.00	8,902.66	8,931.96	8,901.66	18.93	14.67	89.61	438.35	376.58	1,320.04	1,288.33	31.71	41.624	
9,100.00	9,002.66	9,031.96	9,001.66	18.99	14.76	89.61	438.35	376.58	1,320.04	1,288.18	31.86	41.436	
9,200.00	9,102.66	9,131.96	9,101.66	19.05	14.84	89.61	438.35	376.58	1,320.04	1,288.04	32.00	41.249	
9,300.00	9,202.66	9,231.96	9,201.66	19.12	14.92	89.61	438.35	376.58	1,320.04	1,287.89	32.15	41.063	
9,400.00	9,302.66	9,331.96	9,301.66	19.18	15.00	89.61	438.35	376.58	1,320.04	1,287.75	32.29	40.879	
9,500.00	9,402.66	9,431.96	9,401.66	19.24	15.09	89.61	438.35	376.58	1,320.04	1,287.60	32.44	40.696	
9,600.00	9,502.66	9,531.96	9,501.66	19.30	15.17	89.61	438.35	376.58	1,320.04	1,287.46	32.58	40.515	
9,700.00	9,602.66	9,631.96	9,601.66	19.37	15.25	89.61	438.35	376.58	1,320.04	1,287.31	32.73	40.336	
9,800.00	9,702.66	9,731.96	9,701.66	19.43	15.34	89.61	438.35	376.58	1,320.04	1,287.17	32.87	40.157	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	9,802.66	9,831.96	9,801.66	19.49	15.42	89.61	438.35	376.58	1,320.04	1,287.02	33.02	39.980	
10,000.00	9,902.66	9,931.96	9,901.66	19.56	15.50	89.61	438.35	376.58	1,320.04	1,286.88	33.16	39.805	
10,100.00	10,002.66	10,031.96	10,001.66	19.62	15.59	89.61	438.35	376.58	1,320.04	1,286.73	33.31	39.631	
10,200.00	10,102.66	10,131.96	10,101.66	19.69	15.67	89.61	438.35	376.58	1,320.04	1,286.59	33.45	39.458	
10,300.00	10,202.66	10,231.96	10,201.66	19.75	15.75	89.61	438.35	376.58	1,320.04	1,286.44	33.60	39.286	
10,400.00	10,302.66	10,331.96	10,301.66	19.81	15.83	89.61	438.35	376.58	1,320.04	1,286.29	33.75	39.116	
10,500.00	10,402.66	10,431.96	10,401.66	19.88	15.92	89.61	438.35	376.58	1,320.04	1,286.15	33.89	38.948	
10,600.00	10,502.66	10,531.96	10,501.66	19.94	16.00	89.61	438.35	376.58	1,320.04	1,286.00	34.04	38.780	
10,700.00	10,602.66	10,631.96	10,601.66	20.01	16.08	89.61	438.35	376.58	1,320.04	1,285.85	34.19	38.614	
10,800.00	10,702.66	10,731.96	10,701.66	20.07	16.17	89.61	438.35	376.58	1,320.04	1,285.71	34.33	38.449	
10,900.00	10,802.66	10,831.96	10,801.66	20.14	16.25	89.61	438.35	376.58	1,320.04	1,285.56	34.48	38.285	
11,000.00	10,902.66	10,931.96	10,901.66	20.20	16.33	89.61	438.35	376.58	1,320.04	1,285.41	34.63	38.123	
11,100.00	11,002.66	11,031.96	11,001.66	20.27	16.42	89.61	438.35	376.58	1,320.04	1,285.27	34.77	37.960	
11,112.22	11,014.88	11,044.18	11,013.88	20.27	16.43	89.61	438.35	376.58	1,320.04	1,285.25	34.79	37.942	
11,175.34	11,078.00	11,107.30	11,077.00	20.31	16.48	89.61	438.35	376.58	1,320.04	1,285.16	34.88	37.847	
11,200.00	11,102.65	11,131.86	11,101.55	20.31	16.49	-89.89	437.78	376.58	1,320.04	1,285.16	34.88	37.847	
11,250.00	11,152.45	11,181.64	11,151.12	20.33	16.51	-89.89	433.40	376.62	1,320.04	1,285.20	34.84	37.890	
11,300.00	11,201.68	11,231.42	11,200.13	20.35	16.53	-89.89	424.74	376.70	1,320.04	1,285.28	34.76	37.972	
11,350.00	11,249.97	11,281.20	11,248.19	20.35	16.56	-89.89	411.86	376.81	1,320.04	1,285.38	34.66	38.084	
11,400.00	11,296.95	11,330.98	11,294.96	20.35	16.59	-89.89	394.86	376.95	1,320.04	1,285.51	34.54	38.222	
11,450.00	11,342.26	11,380.75	11,340.07	20.35	16.62	-89.89	373.87	377.14	1,320.04	1,285.65	34.39	38.382	
11,500.00	11,385.56	11,430.53	11,383.20	20.34	16.65	-89.89	349.04	377.35	1,320.04	1,285.80	34.24	38.555	
11,550.00	11,426.53	11,480.31	11,424.01	20.33	16.69	-89.89	320.56	377.59	1,320.04	1,285.96	34.08	38.735	
11,600.00	11,464.83	11,530.10	11,462.19	20.33	16.73	-89.89	288.64	377.87	1,320.04	1,286.12	33.92	38.912	
11,650.00	11,500.20	11,579.89	11,497.47	20.34	16.78	-89.90	253.53	378.17	1,320.04	1,286.26	33.78	39.076	
11,700.00	11,532.35	11,629.69	11,529.57	20.35	16.83	-89.90	215.48	378.50	1,320.04	1,286.38	33.66	39.217	
11,750.00	11,561.05	11,679.50	11,558.25	20.38	16.89	-89.91	174.77	378.85	1,320.04	1,286.47	33.57	39.322	
11,800.00	11,586.06	11,729.32	11,583.30	20.42	16.96	-89.91	131.73	379.22	1,320.04	1,286.52	33.52	39.384	
11,850.00	11,607.21	11,779.15	11,604.52	20.48	17.03	-89.92	86.65	379.61	1,320.04	1,286.53	33.51	39.392	
11,900.00	11,624.34	11,829.00	11,621.74	20.56	17.12	-89.93	39.90	380.01	1,320.04	1,286.49	33.55	39.341	
11,950.00	11,637.30	11,878.86	11,634.84	20.66	17.23	-89.94	-8.19	380.42	1,320.04	1,286.39	33.65	39.227	
12,000.00	11,646.01	11,928.74	11,643.72	20.77	17.35	-89.94	-57.26	380.85	1,320.04	1,286.23	33.81	39.047	
12,050.00	11,650.40	11,978.63	11,648.29	20.91	17.49	-89.95	-106.92	381.27	1,320.04	1,286.02	34.02	38.805	
12,070.38	11,650.94	11,998.97	11,648.91	20.97	17.55	-89.96	-127.25	381.45	1,320.04	1,285.93	34.11	38.694	
12,071.08	11,650.94	11,999.67	11,648.92	20.98	17.55	-89.96	-127.95	381.46	1,320.04	1,285.92	34.12	38.690	
12,100.00	11,651.19	12,028.59	11,649.18	21.07	17.65	-89.96	-156.87	381.71	1,320.04	1,285.75	34.29	38.495	
12,200.00	11,652.06	12,128.59	11,650.05	21.42	18.03	-89.96	-256.86	382.57	1,320.04	1,285.04	35.00	37.712	
12,300.00	11,652.93	12,228.59	11,650.93	21.84	18.50	-89.96	-356.85	383.43	1,320.04	1,284.13	35.91	36.761	
12,400.00	11,653.79	12,328.59	11,651.80	22.31	19.05	-89.96	-456.85	384.29	1,320.04	1,283.05	37.00	35.681	
12,500.00	11,654.66	12,428.59	11,652.68	22.84	19.68	-89.96	-556.84	385.15	1,320.04	1,281.80	38.25	34.515	
12,600.00	11,655.52	12,528.59	11,653.56	23.42	20.39	-89.96	-656.83	386.01	1,320.04	1,280.40	39.65	33.296	
12,700.00	11,656.39	12,628.59	11,654.43	24.05	21.18	-89.96	-756.82	386.87	1,320.04	1,278.86	41.18	32.055	
12,800.00	11,657.26	12,728.59	11,655.31	24.73	22.02	-89.96	-856.82	387.73	1,320.04	1,277.21	42.83	30.818	
12,900.00	11,658.12	12,828.59	11,656.19	25.46	22.91	-89.96	-956.81	388.59	1,320.04	1,275.45	44.59	29.601	
13,000.00	11,658.99	12,928.59	11,657.06	26.23	23.86	-89.96	-1,056.80	389.45	1,320.04	1,273.59	46.45	28.419	
13,100.00	11,659.85	13,028.59	11,657.94	27.05	24.85	-89.96	-1,156.79	390.31	1,320.04	1,271.65	48.39	27.280	
13,200.00	11,660.72	13,128.59	11,658.82	27.90	25.87	-89.96	-1,256.79	391.18	1,320.04	1,269.64	50.40	26.191	
13,300.00	11,661.59	13,228.59	11,659.69	28.80	26.93	-89.96	-1,356.78	392.04	1,320.04	1,267.56	52.48	25.153	
13,400.00	11,662.45	13,328.59	11,660.57	29.73	28.01	-89.96	-1,456.77	392.90	1,320.04	1,265.43	54.62	24.169	
13,500.00	11,663.32	13,428.59	11,661.45	30.69	29.12	-89.96	-1,556.76	393.76	1,320.04	1,263.24	56.81	23.238	
13,600.00	11,664.18	13,528.59	11,662.32	31.67	30.25	-89.96	-1,656.76	394.62	1,320.04	1,261.00	59.04	22.359	
13,700.00	11,665.05	13,628.59	11,663.20	32.69	31.40	-89.96	-1,756.75	395.48	1,320.04	1,258.73	61.32	21.529	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
13,800.00	11,665.92	13,728.59	11,664.07	33.73	32.57	-89.96	-1,856.74	396.34	1,320.04	1,256.42	63.63	20.747	
13,900.00	11,666.78	13,828.59	11,664.95	34.79	33.75	-89.96	-1,956.73	397.20	1,320.04	1,254.07	65.97	20.009	
14,000.00	11,667.65	13,928.59	11,665.83	35.88	34.95	-89.96	-2,056.73	398.06	1,320.04	1,251.70	68.35	19.314	
14,100.00	11,668.51	14,028.59	11,666.70	36.98	36.16	-89.96	-2,156.72	398.92	1,320.04	1,249.30	70.75	18.659	
14,200.00	11,669.38	14,128.59	11,667.58	38.10	37.38	-89.97	-2,256.71	399.79	1,320.04	1,246.87	73.17	18.040	
14,300.00	11,670.24	14,228.59	11,668.46	39.23	38.62	-89.97	-2,356.70	400.65	1,320.05	1,244.43	75.62	17.457	
14,400.00	11,671.11	14,328.59	11,669.33	40.38	39.86	-89.97	-2,456.70	401.51	1,320.05	1,241.96	78.08	16.906	
14,500.00	11,671.98	14,428.59	11,670.21	41.55	41.11	-89.97	-2,556.69	402.37	1,320.05	1,239.48	80.57	16.385	
14,600.00	11,672.84	14,528.59	11,671.09	42.72	42.36	-89.97	-2,656.68	403.23	1,320.05	1,236.98	83.07	15.892	
14,700.00	11,673.71	14,628.59	11,671.96	43.91	43.63	-89.97	-2,756.67	404.09	1,320.05	1,234.47	85.58	15.425	
14,800.00	11,674.57	14,728.59	11,672.84	45.11	44.90	-89.97	-2,856.67	404.95	1,320.05	1,231.94	88.11	14.982	
14,900.00	11,675.44	14,828.59	11,673.71	46.32	46.18	-89.97	-2,956.66	405.81	1,320.05	1,229.40	90.65	14.562	
15,000.00	11,676.31	14,928.59	11,674.59	47.53	47.46	-89.97	-3,056.65	406.67	1,320.05	1,226.85	93.20	14.164	
15,100.00	11,677.17	15,028.59	11,675.47	48.76	48.74	-89.97	-3,156.64	407.53	1,320.05	1,224.29	95.76	13.785	
15,200.00	11,678.04	15,128.59	11,676.34	49.99	50.03	-89.97	-3,256.64	408.40	1,320.05	1,221.72	98.33	13.424	
15,300.00	11,678.90	15,228.59	11,677.22	51.23	51.33	-89.97	-3,356.63	409.26	1,320.05	1,219.14	100.91	13.081	
15,400.00	11,679.77	15,328.59	11,678.10	52.47	52.63	-89.97	-3,456.62	410.12	1,320.05	1,216.55	103.50	12.754	
15,500.00	11,680.64	15,428.59	11,678.97	53.73	53.93	-89.97	-3,556.61	410.98	1,320.05	1,213.95	106.10	12.442	
15,600.00	11,681.50	15,528.59	11,679.85	54.98	55.24	-89.97	-3,656.60	411.84	1,320.05	1,211.35	108.70	12.144	
15,700.00	11,682.37	15,628.59	11,680.73	56.25	56.55	-89.97	-3,756.60	412.70	1,320.05	1,208.74	111.31	11.859	
15,800.00	11,683.23	15,728.59	11,681.60	57.52	57.86	-89.97	-3,856.59	413.56	1,320.05	1,206.12	113.92	11.587	
15,900.00	11,684.10	15,828.59	11,682.48	58.79	59.17	-89.97	-3,956.58	414.42	1,320.05	1,203.50	116.55	11.326	
16,000.00	11,684.97	15,928.59	11,683.36	60.06	60.49	-89.97	-4,056.57	415.28	1,320.05	1,200.88	119.17	11.077	
16,100.00	11,685.83	16,028.59	11,684.23	61.35	61.81	-89.97	-4,156.57	416.14	1,320.05	1,198.25	121.80	10.837	
16,200.00	11,686.70	16,128.59	11,685.11	62.63	63.13	-89.97	-4,256.56	417.00	1,320.05	1,195.61	124.44	10.608	
16,300.00	11,687.56	16,228.59	11,685.98	63.92	64.45	-89.97	-4,356.55	417.87	1,320.05	1,192.97	127.08	10.387	
16,400.00	11,688.43	16,328.59	11,686.86	65.21	65.78	-89.98	-4,456.54	418.73	1,320.05	1,190.32	129.73	10.176	
16,500.00	11,689.30	16,428.59	11,687.74	66.51	67.10	-89.98	-4,556.54	419.59	1,320.05	1,187.68	132.37	9.972	
16,600.00	11,690.16	16,528.59	11,688.61	67.80	68.43	-89.98	-4,656.53	420.45	1,320.05	1,185.02	135.03	9.776	
16,700.00	11,691.03	16,628.59	11,689.49	69.10	69.76	-89.98	-4,756.52	421.31	1,320.05	1,182.37	137.68	9.588	
16,800.00	11,691.89	16,728.59	11,690.37	70.41	71.10	-89.98	-4,856.51	422.17	1,320.05	1,179.71	140.34	9.406	
16,900.00	11,692.76	16,828.59	11,691.24	71.71	72.43	-89.98	-4,956.51	423.03	1,320.05	1,177.05	143.00	9.231	
17,000.00	11,693.63	16,928.59	11,692.12	73.02	73.76	-89.98	-5,056.50	423.89	1,320.05	1,174.38	145.67	9.062	
17,100.00	11,694.49	17,028.59	11,693.00	74.33	75.10	-89.98	-5,156.49	424.75	1,320.05	1,171.71	148.34	8.899	
17,200.00	11,695.36	17,128.59	11,693.87	75.64	76.44	-89.98	-5,256.48	425.61	1,320.05	1,169.04	151.01	8.742	
17,300.00	11,696.22	17,228.59	11,694.75	76.96	77.78	-89.98	-5,356.48	426.48	1,320.05	1,166.37	153.68	8.590	
17,400.00	11,697.09	17,328.59	11,695.63	78.28	79.11	-89.98	-5,456.47	427.34	1,320.05	1,163.70	156.35	8.443	
17,500.00	11,697.96	17,428.59	11,696.50	79.59	80.45	-89.98	-5,556.46	428.20	1,320.05	1,161.02	159.03	8.301	
17,600.00	11,698.82	17,528.59	11,697.38	80.91	81.80	-89.98	-5,656.45	429.06	1,320.05	1,158.34	161.71	8.163	
17,700.00	11,699.69	17,628.59	11,698.25	82.24	83.14	-89.98	-5,756.45	429.92	1,320.05	1,155.66	164.39	8.030	
17,800.00	11,700.55	17,728.59	11,699.13	83.56	84.48	-89.98	-5,856.44	430.78	1,320.05	1,152.98	167.08	7.901	
17,900.00	11,701.42	17,828.59	11,700.01	84.88	85.83	-89.98	-5,956.43	431.64	1,320.05	1,150.29	169.76	7.776	
18,000.00	11,702.29	17,928.59	11,700.88	86.21	87.17	-89.98	-6,056.42	432.50	1,320.05	1,147.61	172.45	7.655	
18,100.00	11,703.15	18,028.59	11,701.76	87.54	88.52	-89.98	-6,156.42	433.36	1,320.05	1,144.92	175.14	7.537	
18,200.00	11,704.02	18,128.59	11,702.64	88.87	89.86	-89.98	-6,256.41	434.22	1,320.05	1,142.23	177.83	7.423	
18,300.00	11,704.88	18,228.59	11,703.51	90.20	91.21	-89.98	-6,356.40	435.09	1,320.05	1,139.54	180.52	7.313	
18,400.00	11,705.75	18,328.59	11,704.39	91.53	92.56	-89.98	-6,456.39	435.95	1,320.05	1,136.84	183.21	7.205	
18,500.00	11,706.62	18,428.59	11,705.27	92.86	93.91	-89.98	-6,556.39	436.81	1,320.05	1,134.15	185.90	7.101	
18,600.00	11,707.48	18,528.59	11,706.14	94.19	95.26	-89.99	-6,656.38	437.67	1,320.06	1,131.45	188.60	6.999	
18,700.00	11,708.35	18,628.59	11,707.02	95.53	96.61	-89.99	-6,756.37	438.53	1,320.06	1,128.76	191.30	6.901	
18,800.00	11,709.21	18,728.59	11,707.89	96.87	97.96	-89.99	-6,856.36	439.39	1,320.06	1,126.06	193.99	6.805	
18,900.00	11,710.08	18,828.59	11,708.77	98.20	99.31	-89.99	-6,956.36	440.25	1,320.06	1,123.36	196.69	6.711	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
19,000.00	11,710.95	18,928.59	11,709.65	99.54	100.66	-89.99	-7,056.35	441.11	1,320.06	1,120.66	199.39	6.620	
19,100.00	11,711.81	19,028.59	11,710.52	100.88	102.01	-89.99	-7,156.34	441.97	1,320.06	1,117.96	202.10	6.532	
19,200.00	11,712.68	19,128.59	11,711.40	102.22	103.36	-89.99	-7,256.33	442.83	1,320.06	1,115.26	204.80	6.446	
19,300.00	11,713.54	19,228.59	11,712.28	103.56	104.71	-89.99	-7,356.33	443.69	1,320.06	1,112.56	207.50	6.362	
19,400.00	11,714.41	19,328.59	11,713.15	104.90	106.07	-89.99	-7,456.32	444.56	1,320.06	1,109.85	210.21	6.280	
19,500.00	11,715.28	19,428.59	11,714.03	106.24	107.42	-89.99	-7,556.31	445.42	1,320.06	1,107.15	212.91	6.200	
19,600.00	11,716.14	19,528.59	11,714.91	107.58	108.77	-89.99	-7,656.30	446.28	1,320.06	1,104.44	215.62	6.122	
19,700.00	11,717.01	19,628.59	11,715.78	108.92	110.13	-89.99	-7,756.30	447.14	1,320.06	1,101.73	218.32	6.046	
19,800.00	11,717.87	19,728.59	11,716.66	110.27	111.48	-89.99	-7,856.29	448.00	1,320.06	1,099.03	221.03	5.972	
19,900.00	11,718.74	19,828.59	11,717.54	111.61	112.84	-89.99	-7,956.28	448.86	1,320.06	1,096.32	223.74	5.900	
20,000.00	11,719.61	19,928.59	11,718.41	112.96	114.19	-89.99	-8,056.27	449.72	1,320.06	1,093.61	226.45	5.829	
20,100.00	11,720.47	20,028.59	11,719.29	114.30	115.55	-89.99	-8,156.27	450.58	1,320.06	1,090.90	229.16	5.760	
20,200.00	11,721.34	20,128.59	11,720.16	115.65	116.91	-89.99	-8,256.26	451.44	1,320.06	1,088.19	231.87	5.693	
20,300.00	11,722.20	20,228.59	11,721.04	117.00	118.26	-89.99	-8,356.25	452.30	1,320.06	1,085.48	234.58	5.627	
20,400.00	11,723.07	20,328.59	11,721.92	118.34	119.62	-89.99	-8,456.24	453.17	1,320.06	1,082.77	237.29	5.563	
20,500.00	11,723.94	20,428.59	11,722.79	119.69	120.98	-89.99	-8,556.24	454.03	1,320.06	1,080.05	240.01	5.500	
20,600.00	11,724.80	20,528.59	11,723.67	121.04	122.33	-89.99	-8,656.23	454.89	1,320.06	1,077.34	242.72	5.439	
20,700.00	11,725.67	20,628.59	11,724.55	122.39	123.69	-89.99	-8,756.22	455.75	1,320.06	1,074.63	245.43	5.379	
20,800.00	11,726.53	20,728.59	11,725.42	123.74	125.05	-90.00	-8,856.21	456.61	1,320.06	1,071.91	248.15	5.320	
20,900.00	11,727.40	20,828.59	11,726.30	125.09	126.41	-90.00	-8,956.20	457.47	1,320.06	1,069.20	250.86	5.262	
21,000.00	11,728.27	20,928.59	11,727.18	126.44	127.77	-90.00	-9,056.20	458.33	1,320.06	1,066.48	253.58	5.206	
21,100.00	11,729.13	21,028.59	11,728.05	127.79	129.12	-90.00	-9,156.19	459.19	1,320.06	1,063.77	256.29	5.151	
21,200.00	11,730.00	21,128.59	11,728.93	129.14	130.48	-90.00	-9,256.18	460.05	1,320.06	1,061.05	259.01	5.097	
21,300.00	11,730.86	21,228.59	11,729.81	130.49	131.84	-90.00	-9,356.17	460.91	1,320.06	1,058.33	261.73	5.044	
21,400.00	11,731.73	21,328.59	11,730.68	131.84	133.20	-90.00	-9,456.17	461.77	1,320.06	1,055.62	264.44	4.992	
21,500.00	11,732.60	21,428.59	11,731.56	133.19	134.56	-90.00	-9,556.16	462.64	1,320.06	1,052.90	267.16	4.941	
21,600.00	11,733.46	21,528.59	11,732.43	134.54	135.92	-90.00	-9,656.15	463.50	1,320.06	1,050.18	269.88	4.891	
21,700.00	11,734.33	21,628.59	11,733.31	135.90	137.28	-90.00	-9,756.14	464.36	1,320.06	1,047.46	272.60	4.843	
21,800.00	11,735.19	21,728.59	11,734.19	137.25	138.64	-90.00	-9,856.14	465.22	1,320.06	1,044.74	275.32	4.795	
21,900.00	11,736.06	21,828.59	11,735.06	138.60	140.00	-90.00	-9,956.13	466.08	1,320.06	1,042.03	278.04	4.748	
22,000.00	11,736.93	21,928.59	11,735.94	139.96	141.36	-90.00	-10,056.12	466.94	1,320.06	1,039.31	280.76	4.702	
22,000.44	11,736.93	21,929.03	11,735.94	139.96	141.37	-90.00	-10,056.56	466.94	1,320.06	1,039.29	280.77	4.702	
22,008.51	11,737.00	21,935.47	11,736.00	140.07	141.45	-90.00	-10,063.00	467.00	1,320.06	1,039.11	280.96	4.698	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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	0.00	0.00	0.50	0.50	-135.00	-25.00	-25.00	35.36				
100.00	100.00	100.00	100.00	0.98	0.98	-135.00	-25.00	-25.00	35.36	33.39	1.96	18.018	
200.00	200.00	200.00	200.00	1.56	1.56	-135.00	-25.00	-25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	-135.00	-25.00	-25.00	35.36	31.39	3.96	8.923	CC
400.00	400.00	399.63	399.62	2.33	2.41	-133.08	-24.50	-26.20	35.87	31.20	4.67	7.682	ES
500.00	500.00	499.12	499.03	2.63	2.78	-127.67	-22.99	-29.78	37.64	32.34	5.30	7.105	
600.00	599.99	598.44	598.13	2.98	3.11	-55.75	-20.49	-35.74	40.49	34.59	5.90	6.865	
700.00	699.91	698.10	697.43	3.29	3.25	-50.86	-17.19	-43.61	43.47	37.14	6.33	6.871	
800.00	799.69	798.07	797.02	3.58	3.50	-48.90	-13.81	-51.64	45.07	38.22	6.84	6.585	
833.33	832.91	831.41	830.23	3.60	3.58	-48.84	-12.69	-54.32	45.23	38.28	6.95	6.509	
900.00	899.32	898.07	896.64	3.70	3.74	-48.98	-10.44	-59.68	45.35	38.15	7.20	6.299	
1,000.00	998.94	998.07	996.26	3.92	3.97	-49.20	-7.06	-67.71	45.55	37.89	7.65	5.952	
1,100.00	1,098.56	1,098.07	1,095.88	4.14	4.20	-49.41	-3.69	-75.75	45.74	37.65	8.09	5.653	
1,200.00	1,198.18	1,198.07	1,195.50	4.36	4.42	-49.62	-0.31	-83.78	45.93	37.41	8.52	5.390	
1,201.83	1,200.00	1,199.90	1,197.32	4.36	4.43	-49.63	-0.25	-83.93	45.94	37.41	8.53	5.386	
1,300.00	1,297.68	1,297.71	1,294.74	4.60	4.56	-50.80	3.15	-92.03	45.50	36.65	8.85	5.141	
1,400.00	1,396.88	1,396.95	1,393.35	4.86	4.82	-52.45	7.44	-102.26	44.88	35.60	9.28	4.835	
1,500.00	1,495.72	1,496.22	1,491.67	5.10	5.07	-54.23	12.73	-114.85	44.35	34.64	9.71	4.565	
1,600.00	1,594.13	1,595.52	1,589.64	5.35	5.33	-56.12	19.01	-129.80	43.92	33.77	10.15	4.327	
1,634.85	1,628.31	1,630.13	1,623.68	5.39	5.42	-56.81	21.43	-135.56	43.79	33.53	10.26	4.267	
1,657.56	1,650.57	1,652.70	1,645.85	5.43	5.48	-57.19	23.07	-139.47	43.75	33.40	10.35	4.228	
1,700.00	1,692.16	1,694.87	1,687.19	5.49	5.58	-57.51	26.27	-147.10	43.89	33.37	10.51	4.174	
1,800.00	1,790.15	1,794.19	1,784.21	5.70	5.83	-56.32	34.52	-166.72	45.25	34.26	10.99	4.117	SF
1,900.00	1,888.15	1,893.96	1,881.24	5.90	6.01	-53.38	43.50	-188.13	47.78	36.33	11.44	4.175	
2,000.00	1,986.14	1,993.89	1,978.41	6.11	6.22	-50.66	52.54	-209.64	50.47	38.53	11.94	4.227	
2,100.00	2,084.14	2,093.83	2,075.58	6.32	6.44	-48.23	61.57	-231.15	53.27	40.83	12.43	4.284	
2,200.00	2,182.13	2,193.77	2,172.76	6.53	6.66	-46.04	70.61	-252.67	56.15	43.23	12.92	4.345	
2,300.00	2,280.12	2,293.70	2,269.93	6.75	6.89	-44.06	79.64	-274.18	59.11	45.70	13.41	4.408	
2,400.00	2,378.12	2,393.64	2,367.11	6.97	7.13	-42.28	88.68	-295.70	62.13	48.24	13.89	4.473	
2,500.00	2,476.11	2,493.58	2,464.28	7.20	7.39	-40.66	97.71	-317.21	65.20	50.84	14.37	4.539	
2,600.00	2,574.11	2,593.51	2,561.45	7.44	7.68	-39.19	106.75	-338.73	68.33	53.49	14.84	4.605	
2,700.00	2,672.10	2,693.45	2,658.63	7.69	7.97	-37.85	115.78	-360.24	71.49	56.18	15.31	4.670	
2,800.00	2,770.10	2,793.39	2,755.80	7.94	8.26	-36.62	124.81	-381.76	74.69	58.91	15.78	4.734	
2,900.00	2,868.09	2,893.32	2,852.98	8.20	8.56	-35.50	133.85	-403.27	77.92	61.68	16.24	4.797	
3,000.00	2,966.08	2,993.26	2,950.15	8.46	8.86	-34.46	142.88	-424.79	81.18	64.47	16.70	4.859	
3,100.00	3,064.08	3,093.20	3,047.32	8.72	9.16	-33.51	151.92	-446.30	84.46	67.29	17.17	4.920	
3,200.00	3,162.07	3,193.13	3,144.50	8.98	9.46	-32.63	160.95	-467.82	87.76	70.14	17.63	4.979	
3,300.00	3,260.07	3,293.07	3,241.67	9.25	9.77	-31.81	169.99	-489.33	91.09	73.00	18.08	5.037	
3,400.00	3,358.06	3,393.01	3,338.85	9.51	10.07	-31.04	179.02	-510.85	94.43	75.89	18.54	5.093	
3,500.00	3,456.05	3,492.94	3,436.02	9.77	10.38	-30.33	188.06	-532.36	97.78	78.79	19.00	5.148	
3,600.00	3,554.05	3,592.88	3,533.20	10.04	10.68	-29.67	197.09	-553.88	101.15	81.70	19.45	5.200	
3,700.00	3,652.04	3,692.81	3,630.37	10.31	10.99	-29.05	206.13	-575.39	104.54	84.63	19.90	5.252	
3,800.00	3,750.04	3,792.75	3,727.54	10.57	11.30	-28.47	215.16	-596.90	107.93	87.57	20.36	5.302	
3,900.00	3,848.03	3,892.69	3,824.72	10.84	11.61	-27.93	224.19	-618.42	111.33	90.52	20.81	5.350	
4,000.00	3,946.02	3,992.62	3,921.89	11.11	11.92	-27.41	233.23	-639.93	114.75	93.49	21.26	5.397	
4,100.00	4,044.02	4,092.56	4,019.07	11.37	12.23	-26.93	242.26	-661.45	118.17	96.46	21.71	5.442	
4,200.00	4,142.01	4,192.50	4,116.24	11.64	12.54	-26.48	251.30	-682.96	121.60	99.44	22.16	5.487	
4,300.00	4,240.01	4,292.43	4,213.41	11.91	12.85	-26.05	260.33	-704.48	125.04	102.43	22.61	5.529	
4,400.00	4,338.00	4,392.37	4,310.59	12.18	13.16	-25.64	269.37	-725.99	128.48	105.42	23.06	5.571	
4,500.00	4,435.99	4,492.31	4,407.76	12.45	13.47	-25.25	278.40	-747.51	131.93	108.42	23.51	5.611	
4,600.00	4,533.99	4,592.24	4,504.94	12.72	13.78	-24.88	287.44	-769.02	135.39	111.43	23.96	5.650	
4,700.00	4,631.98	4,692.18	4,602.11	12.99	14.10	-24.54	296.47	-790.54	138.85	114.44	24.41	5.688	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,729.98	4,792.12	4,699.29	13.26	14.41	-24.20	305.51	-812.05	142.32	117.46	24.86	5.725	
4,900.00	4,827.97	4,892.05	4,796.46	13.53	14.72	-23.89	314.54	-833.57	145.79	120.48	25.31	5.761	
5,000.00	4,925.97	4,991.99	4,893.63	13.80	15.04	-23.59	323.58	-855.08	149.27	123.51	25.76	5.795	
5,100.00	5,023.96	5,091.93	4,990.81	14.07	15.35	-23.30	332.61	-876.60	152.75	126.54	26.20	5.829	
5,200.00	5,121.95	5,191.86	5,087.98	14.34	15.66	-23.03	341.64	-898.11	156.23	129.58	26.65	5.862	
5,300.00	5,219.95	5,291.80	5,185.16	14.61	15.98	-22.76	350.68	-919.63	159.71	132.62	27.10	5.894	
5,400.00	5,317.94	5,391.74	5,282.33	14.88	16.29	-22.51	359.71	-941.14	163.20	135.66	27.55	5.925	
5,500.00	5,415.94	5,491.67	5,379.50	15.15	16.61	-22.27	368.75	-962.65	166.70	138.70	27.99	5.955	
5,600.00	5,513.93	5,591.61	5,476.68	15.42	16.92	-22.04	377.78	-984.17	170.19	141.75	28.44	5.984	
5,700.00	5,611.92	5,691.55	5,573.85	15.69	17.24	-21.82	386.82	-1,005.68	173.69	144.80	28.89	6.013	
5,800.00	5,709.92	5,795.72	5,675.43	15.96	17.55	-21.74	395.76	-1,026.99	176.07	146.70	29.37	5.995	
5,900.00	5,807.91	5,900.24	5,777.94	16.24	17.84	-21.97	403.66	-1,045.79	175.88	146.03	29.86	5.891	
5,905.98	5,813.78	5,906.50	5,784.09	16.26	17.85	-22.00	404.10	-1,046.84	175.79	145.91	29.88	5.882	
6,000.00	5,906.13	6,004.71	5,880.91	16.50	18.09	-22.38	410.47	-1,062.00	174.21	143.89	30.32	5.746	
6,100.00	6,004.80	6,109.11	5,984.26	16.73	18.31	-22.79	416.17	-1,075.59	172.40	141.64	30.76	5.605	
6,200.00	6,103.86	6,213.45	6,087.92	16.93	18.50	-23.19	420.78	-1,086.57	170.47	139.31	31.16	5.470	
6,300.00	6,203.25	6,317.72	6,191.79	17.11	18.66	-23.59	424.30	-1,094.93	168.41	136.89	31.53	5.342	
6,400.00	6,302.89	6,421.92	6,295.80	17.27	18.79	-23.99	426.71	-1,100.67	166.23	134.38	31.85	5.219	
6,500.00	6,402.72	6,526.04	6,399.86	17.39	18.89	-24.38	428.02	-1,103.79	163.92	131.80	32.12	5.103	
6,600.00	6,502.67	6,628.85	6,502.67	17.49	18.96	-24.76	428.28	-1,104.42	161.62	129.29	32.32	5.000	
6,672.34	6,575.00	6,701.18	6,575.00	17.53	19.00	-90.39	428.28	-1,104.42	160.99	128.57	32.42	4.965	
6,700.00	6,602.66	6,728.84	6,602.66	17.54	19.02	-90.39	428.28	-1,104.42	160.99	128.55	32.44	4.962	
6,800.00	6,702.66	6,828.84	6,702.66	17.60	19.07	-90.39	428.28	-1,104.42	160.99	128.44	32.56	4.945	
6,900.00	6,802.66	6,928.84	6,802.66	17.66	19.12	-90.39	428.28	-1,104.42	160.99	128.32	32.67	4.928	
7,000.00	6,902.66	7,028.84	6,902.66	17.71	19.18	-90.39	428.28	-1,104.42	160.99	128.21	32.78	4.911	
7,100.00	7,002.66	7,128.84	7,002.66	17.77	19.23	-90.39	428.28	-1,104.42	160.99	128.10	32.90	4.894	
7,200.00	7,102.66	7,228.84	7,102.66	17.83	19.29	-90.39	428.28	-1,104.42	160.99	127.98	33.01	4.877	
7,300.00	7,202.66	7,328.84	7,202.66	17.89	19.34	-90.39	428.28	-1,104.42	160.99	127.87	33.13	4.860	
7,400.00	7,302.66	7,428.84	7,302.66	17.95	19.40	-90.39	428.28	-1,104.42	160.99	127.75	33.24	4.843	
7,500.00	7,402.66	7,528.84	7,402.66	18.01	19.45	-90.39	428.28	-1,104.42	160.99	127.64	33.36	4.827	
7,600.00	7,502.66	7,628.84	7,502.66	18.07	19.51	-90.39	428.28	-1,104.42	160.99	127.52	33.47	4.810	
7,700.00	7,602.66	7,728.84	7,602.66	18.13	19.56	-90.39	428.28	-1,104.42	160.99	127.41	33.59	4.793	
7,800.00	7,702.66	7,828.84	7,702.66	18.19	19.62	-90.39	428.28	-1,104.42	160.99	127.29	33.70	4.777	
7,900.00	7,802.66	7,928.84	7,802.66	18.25	19.68	-90.39	428.28	-1,104.42	160.99	127.17	33.82	4.760	
8,000.00	7,902.66	8,028.84	7,902.66	18.31	19.73	-90.39	428.28	-1,104.42	160.99	127.05	33.94	4.744	
8,100.00	8,002.66	8,128.84	8,002.66	18.37	19.79	-90.39	428.28	-1,104.42	160.99	126.94	34.06	4.727	
8,200.00	8,102.66	8,228.84	8,102.66	18.43	19.85	-90.39	428.28	-1,104.42	160.99	126.82	34.17	4.711	
8,300.00	8,202.66	8,328.84	8,202.66	18.50	19.90	-90.39	428.28	-1,104.42	160.99	126.70	34.29	4.695	
8,400.00	8,302.66	8,428.84	8,302.66	18.56	19.96	-90.39	428.28	-1,104.42	160.99	126.58	34.41	4.678	
8,500.00	8,402.66	8,528.84	8,402.66	18.62	20.02	-90.39	428.28	-1,104.42	160.99	126.46	34.53	4.662	
8,600.00	8,502.66	8,628.84	8,502.66	18.68	20.07	-90.39	428.28	-1,104.42	160.99	126.34	34.65	4.646	
8,700.00	8,602.66	8,728.84	8,602.66	18.74	20.13	-90.39	428.28	-1,104.42	160.99	126.22	34.77	4.630	
8,800.00	8,702.66	8,828.84	8,702.66	18.80	20.19	-90.39	428.28	-1,104.42	160.99	126.10	34.89	4.614	
8,900.00	8,802.66	8,928.84	8,802.66	18.87	20.25	-90.39	428.28	-1,104.42	160.99	125.98	35.01	4.598	
9,000.00	8,902.66	9,028.84	8,902.66	18.93	20.30	-90.39	428.28	-1,104.42	160.99	125.86	35.13	4.582	
9,100.00	9,002.66	9,128.84	9,002.66	18.99	20.36	-90.39	428.28	-1,104.42	160.99	125.74	35.25	4.567	
9,200.00	9,102.66	9,228.84	9,102.66	19.05	20.42	-90.39	428.28	-1,104.42	160.99	125.62	35.38	4.551	
9,300.00	9,202.66	9,328.84	9,202.66	19.12	20.48	-90.39	428.28	-1,104.42	160.99	125.50	35.50	4.535	
9,400.00	9,302.66	9,428.84	9,302.66	19.18	20.54	-90.39	428.28	-1,104.42	160.99	125.37	35.62	4.520	
9,500.00	9,402.66	9,528.84	9,402.66	19.24	20.60	-90.39	428.28	-1,104.42	160.99	125.25	35.74	4.504	
9,600.00	9,502.66	9,628.84	9,502.66	19.30	20.65	-90.39	428.28	-1,104.42	160.99	125.13	35.87	4.489	
9,700.00	9,602.66	9,728.84	9,602.66	19.37	20.71	-90.39	428.28	-1,104.42	160.99	125.00	35.99	4.473	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,702.66	9,828.84	9,702.66	19.43	20.77	-90.39	428.28	-1,104.42	160.99	124.88	36.11	4.458	
9,900.00	9,802.66	9,928.84	9,802.66	19.49	20.83	-90.39	428.28	-1,104.42	160.99	124.76	36.24	4.443	
10,000.00	9,902.66	10,028.84	9,902.66	19.56	20.89	-90.39	428.28	-1,104.42	160.99	124.63	36.36	4.428	
10,100.00	10,002.66	10,128.84	10,002.66	19.62	20.95	-90.39	428.28	-1,104.42	160.99	124.51	36.49	4.413	
10,200.00	10,102.66	10,228.84	10,102.66	19.69	21.01	-90.39	428.28	-1,104.42	160.99	124.38	36.61	4.398	
10,300.00	10,202.66	10,328.84	10,202.66	19.75	21.07	-90.39	428.28	-1,104.42	160.99	124.26	36.74	4.383	
10,400.00	10,302.66	10,428.84	10,302.66	19.81	21.13	-90.39	428.28	-1,104.42	160.99	124.13	36.86	4.368	
10,500.00	10,402.66	10,528.84	10,402.66	19.88	21.19	-90.39	428.28	-1,104.42	160.99	124.01	36.99	4.353	
10,600.00	10,502.66	10,628.84	10,502.66	19.94	21.25	-90.39	428.28	-1,104.42	160.99	123.88	37.11	4.338	
10,700.00	10,602.66	10,728.84	10,602.66	20.01	21.31	-90.39	428.28	-1,104.42	160.99	123.75	37.24	4.323	
10,800.00	10,702.66	10,828.84	10,702.66	20.07	21.37	-90.39	428.28	-1,104.42	160.99	123.63	37.37	4.309	
10,900.00	10,802.66	10,928.84	10,802.66	20.14	21.43	-90.39	428.28	-1,104.42	160.99	123.50	37.49	4.294	
11,000.00	10,902.66	11,028.84	10,902.66	20.20	21.49	-90.39	428.28	-1,104.42	160.99	123.37	37.62	4.280	
11,100.00	11,002.66	11,128.84	11,002.66	20.27	21.56	-90.39	428.28	-1,104.42	160.99	123.25	37.75	4.265	
11,175.34	11,078.00	11,204.18	11,078.00	20.31	21.60	-90.39	428.28	-1,104.42	160.99	123.16	37.83	4.255	
11,200.00	11,102.65	11,228.84	11,102.65	20.31	21.62	90.29	428.28	-1,104.42	161.00	123.16	37.84	4.255	
11,250.00	11,152.45	11,278.63	11,152.45	20.33	21.65	91.82	428.28	-1,104.42	161.08	123.29	37.78	4.263	
11,300.00	11,201.68	11,327.86	11,201.68	20.35	21.68	94.79	428.28	-1,104.42	161.58	123.92	37.67	4.290	
11,350.00	11,249.97	11,376.15	11,249.97	20.35	21.71	98.99	428.28	-1,104.42	163.19	125.66	37.54	4.347	
11,400.00	11,296.95	11,423.13	11,296.95	20.35	21.74	104.11	428.28	-1,104.42	166.84	129.37	37.47	4.452	
11,450.00	11,342.26	11,468.44	11,342.26	20.35	21.76	109.67	428.28	-1,104.42	173.57	136.03	37.55	4.623	
11,500.00	11,385.56	11,511.75	11,385.56	20.34	21.79	115.21	428.28	-1,104.42	184.37	146.55	37.81	4.876	
11,550.00	11,426.53	11,552.71	11,426.53	20.33	21.82	120.29	428.28	-1,104.42	199.90	161.64	38.26	5.225	
11,600.00	11,464.83	11,591.02	11,464.83	20.33	21.84	124.61	428.28	-1,104.42	220.45	181.64	38.81	5.681	
11,650.00	11,500.20	11,626.38	11,500.20	20.34	21.86	127.98	428.28	-1,104.42	245.94	206.55	39.39	6.244	
11,700.00	11,532.35	11,658.53	11,532.35	20.35	21.88	130.31	428.28	-1,104.42	276.01	236.08	39.93	6.912	
11,750.00	11,561.05	11,687.23	11,561.05	20.38	21.90	131.53	428.28	-1,104.42	310.17	269.76	40.41	7.675	
11,800.00	11,586.06	11,712.25	11,586.06	20.42	21.91	131.53	428.28	-1,104.42	347.88	307.06	40.83	8.521	
11,850.00	11,607.21	11,733.40	11,607.21	20.48	21.93	130.09	428.28	-1,104.42	388.60	347.42	41.17	9.438	
11,900.00	11,624.34	11,750.52	11,624.34	20.56	21.94	126.86	428.28	-1,104.42	431.78	390.32	41.46	10.415	
11,950.00	11,637.30	11,763.48	11,637.30	20.66	21.95	121.18	428.28	-1,104.42	476.91	435.21	41.70	11.438	
12,000.00	11,646.01	11,772.19	11,646.01	20.77	21.95	112.08	428.28	-1,104.42	523.50	481.61	41.89	12.496	
12,050.00	11,650.40	11,776.58	11,650.40	20.91	21.95	98.56	428.28	-1,104.42	571.09	529.03	42.06	13.579	
12,070.38	11,650.94	11,777.12	11,650.94	20.97	21.96	91.75	428.28	-1,104.42	590.66	548.54	42.11	14.025	
12,100.00	11,651.19	11,777.37	11,651.19	21.07	21.96	91.84	428.28	-1,104.42	619.21	577.02	42.19	14.676	
12,200.00	11,652.06	11,778.24	11,652.06	21.42	21.96	92.15	428.28	-1,104.42	716.24	673.83	42.41	16.890	
12,300.00	11,652.93	11,779.11	11,652.93	21.84	21.96	92.46	428.28	-1,104.42	813.99	771.42	42.57	19.122	
12,400.00	11,653.79	13,281.63	12,513.75	22.31	23.65	169.40	-462.08	-1,096.76	874.93	821.79	53.14	16.464	
12,500.00	11,654.66	13,381.63	12,514.62	22.84	24.13	169.40	-562.07	-1,095.90	874.94	821.62	53.32	16.409	
12,600.00	11,655.52	13,481.63	12,515.50	23.42	24.66	169.40	-662.07	-1,095.04	874.95	821.43	53.52	16.349	
12,700.00	11,656.39	13,581.63	12,516.37	24.05	25.25	169.40	-762.06	-1,094.17	874.95	821.22	53.73	16.284	
12,800.00	11,657.26	13,681.63	12,517.24	24.73	25.88	169.40	-862.05	-1,093.31	874.96	821.00	53.96	16.214	
12,900.00	11,658.12	13,781.63	12,518.12	25.46	26.57	169.40	-962.04	-1,092.45	874.97	820.75	54.21	16.139	
13,000.00	11,658.99	13,881.63	12,518.99	26.23	27.29	169.40	-1,062.04	-1,091.59	874.97	820.49	54.48	16.059	
13,100.00	11,659.85	13,981.63	12,519.86	27.05	28.07	169.40	-1,162.03	-1,090.73	874.98	820.21	54.77	15.975	
13,200.00	11,660.72	14,081.63	12,520.74	27.90	28.88	169.40	-1,262.02	-1,089.87	874.99	819.91	55.08	15.887	
13,300.00	11,661.59	14,181.63	12,521.61	28.80	29.72	169.40	-1,362.01	-1,089.01	875.00	819.60	55.40	15.794	
13,400.00	11,662.45	14,281.63	12,522.48	29.73	30.61	169.40	-1,462.01	-1,088.15	875.00	819.26	55.74	15.698	
13,500.00	11,663.32	14,381.63	12,523.35	30.69	31.53	169.40	-1,562.00	-1,087.29	875.01	818.91	56.10	15.598	
13,600.00	11,664.18	14,481.63	12,524.23	31.67	32.47	169.40	-1,661.99	-1,086.43	875.02	818.55	56.47	15.495	
13,700.00	11,665.05	14,581.63	12,525.10	32.69	33.45	169.40	-1,761.98	-1,085.57	875.02	818.16	56.86	15.389	
13,800.00	11,665.92	14,681.63	12,525.97	33.73	34.45	169.40	-1,861.98	-1,084.71	875.03	817.77	57.26	15.281	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	11,666.78	14,781.63	12,526.85	34.79	35.48	169.40	-1,961.97	-1,083.85	875.04	817.35	57.68	15.169	
14,000.00	11,667.65	14,881.63	12,527.72	35.88	36.52	169.40	-2,061.96	-1,082.99	875.04	816.92	58.12	15.056	
14,100.00	11,668.51	14,981.63	12,528.59	36.98	37.59	169.40	-2,161.95	-1,082.13	875.05	816.48	58.57	14.940	
14,200.00	11,669.38	15,081.63	12,529.47	38.10	38.68	169.40	-2,261.95	-1,081.26	875.06	816.02	59.04	14.823	
14,300.00	11,670.24	15,181.63	12,530.34	39.23	39.78	169.40	-2,361.94	-1,080.40	875.06	815.55	59.51	14.704	
14,400.00	11,671.11	15,281.63	12,531.21	40.38	40.90	169.40	-2,461.93	-1,079.54	875.07	815.07	60.01	14.583	
14,500.00	11,671.98	15,381.63	12,532.09	41.55	42.04	169.40	-2,561.92	-1,078.68	875.08	814.57	60.51	14.461	
14,600.00	11,672.84	15,481.63	12,532.96	42.72	43.19	169.40	-2,661.92	-1,077.82	875.09	814.05	61.03	14.338	
14,700.00	11,673.71	15,581.63	12,533.83	43.91	44.35	169.40	-2,761.91	-1,076.96	875.09	813.53	61.56	14.214	
14,800.00	11,674.57	15,681.63	12,534.70	45.11	45.52	169.40	-2,861.90	-1,076.10	875.10	812.99	62.11	14.090	
14,900.00	11,675.44	15,781.63	12,535.58	46.32	46.70	169.40	-2,961.89	-1,075.24	875.11	812.44	62.66	13.965	
15,000.00	11,676.31	15,881.63	12,536.45	47.53	47.90	169.40	-3,061.89	-1,074.38	875.11	811.88	63.23	13.840	
15,100.00	11,677.17	15,981.63	12,537.32	48.76	49.10	169.40	-3,161.88	-1,073.52	875.12	811.31	63.81	13.714	
15,200.00	11,678.04	16,081.63	12,538.20	49.99	50.31	169.40	-3,261.87	-1,072.66	875.13	810.72	64.40	13.588	
15,300.00	11,678.90	16,181.63	12,539.07	51.23	51.53	169.40	-3,361.86	-1,071.80	875.13	810.13	65.00	13.463	
15,400.00	11,679.77	16,281.63	12,539.94	52.47	52.76	169.40	-3,461.86	-1,070.94	875.14	809.53	65.62	13.337	
15,500.00	11,680.64	16,381.63	12,540.82	53.73	53.99	169.40	-3,561.85	-1,070.08	875.15	808.91	66.24	13.212	
15,600.00	11,681.50	16,481.63	12,541.69	54.98	55.23	169.40	-3,661.84	-1,069.22	875.15	808.28	66.87	13.087	
15,700.00	11,682.37	16,581.63	12,542.56	56.25	56.48	169.40	-3,761.83	-1,068.36	875.16	807.65	67.51	12.963	
15,800.00	11,683.23	16,681.63	12,543.43	57.52	57.73	169.40	-3,861.83	-1,067.49	875.17	807.01	68.16	12.839	
15,900.00	11,684.10	16,781.63	12,544.31	58.79	58.99	169.40	-3,961.82	-1,066.63	875.18	806.35	68.82	12.716	
16,000.00	11,684.97	16,881.63	12,545.18	60.06	60.25	169.40	-4,061.81	-1,065.77	875.18	805.69	69.49	12.594	
16,100.00	11,685.83	16,981.63	12,546.05	61.35	61.52	169.40	-4,161.80	-1,064.91	875.19	805.02	70.17	12.472	
16,200.00	11,686.70	17,081.63	12,546.93	62.63	62.79	169.40	-4,261.80	-1,064.05	875.20	804.34	70.86	12.352	
16,300.00	11,687.56	17,181.63	12,547.80	63.92	64.07	169.40	-4,361.79	-1,063.19	875.20	803.65	71.55	12.232	
16,400.00	11,688.43	17,281.63	12,548.67	65.21	65.35	169.40	-4,461.78	-1,062.33	875.21	802.96	72.25	12.113	
16,500.00	11,689.30	17,381.63	12,549.55	66.51	66.63	169.40	-4,561.77	-1,061.47	875.22	802.25	72.96	11.995	
16,600.00	11,690.16	17,481.63	12,550.42	67.80	67.91	169.40	-4,661.77	-1,060.61	875.22	801.54	73.68	11.878	
16,700.00	11,691.03	17,581.63	12,551.29	69.10	69.20	169.40	-4,761.76	-1,059.75	875.23	800.83	74.41	11.763	
16,800.00	11,691.89	17,681.63	12,552.17	70.41	70.50	169.40	-4,861.75	-1,058.89	875.24	800.10	75.14	11.648	
16,900.00	11,692.76	17,781.63	12,553.04	71.71	71.79	169.40	-4,961.74	-1,058.03	875.25	799.37	75.88	11.535	
17,000.00	11,693.63	17,881.63	12,553.91	73.02	73.09	169.40	-5,061.74	-1,057.17	875.25	798.63	76.62	11.423	
17,100.00	11,694.49	17,981.63	12,554.78	74.33	74.39	169.40	-5,161.73	-1,056.31	875.26	797.89	77.37	11.312	
17,200.00	11,695.36	18,081.63	12,555.66	75.64	75.70	169.40	-5,261.72	-1,055.45	875.27	797.14	78.13	11.203	
17,300.00	11,696.22	18,181.63	12,556.53	76.96	77.00	169.40	-5,361.71	-1,054.58	875.27	796.38	78.89	11.094	
17,400.00	11,697.09	18,281.63	12,557.40	78.28	78.31	169.40	-5,461.71	-1,053.72	875.28	795.62	79.66	10.987	
17,500.00	11,697.96	18,381.63	12,558.28	79.59	79.62	169.40	-5,561.70	-1,052.86	875.29	794.85	80.44	10.881	
17,600.00	11,698.82	18,481.63	12,559.15	80.91	80.93	169.40	-5,661.69	-1,052.00	875.29	794.07	81.22	10.777	
17,700.00	11,699.69	18,581.63	12,560.02	82.24	82.25	169.40	-5,761.68	-1,051.14	875.30	793.29	82.01	10.673	
17,800.00	11,700.55	18,681.63	12,560.90	83.56	83.56	169.40	-5,861.68	-1,050.28	875.31	792.51	82.80	10.571	
17,900.00	11,701.42	18,781.63	12,561.77	84.88	84.88	169.40	-5,961.67	-1,049.42	875.31	791.72	83.60	10.471	
18,000.00	11,702.29	18,881.63	12,562.64	86.21	86.20	169.40	-6,061.66	-1,048.56	875.32	790.92	84.40	10.371	
18,100.00	11,703.15	18,981.63	12,563.51	87.54	87.52	169.40	-6,161.65	-1,047.70	875.33	790.12	85.20	10.273	
18,200.00	11,704.02	19,081.63	12,564.39	88.87	88.84	169.40	-6,261.65	-1,046.84	875.34	789.32	86.02	10.177	
18,300.00	11,704.88	19,181.63	12,565.26	90.20	90.16	169.40	-6,361.64	-1,045.98	875.34	788.51	86.83	10.081	
18,400.00	11,705.75	19,281.63	12,566.13	91.53	91.49	169.40	-6,461.63	-1,045.12	875.35	787.70	87.65	9.987	
18,500.00	11,706.62	19,381.63	12,567.01	92.86	92.82	169.40	-6,561.62	-1,044.26	875.36	786.88	88.48	9.894	
18,600.00	11,707.48	19,481.63	12,567.88	94.19	94.14	169.40	-6,661.62	-1,043.40	875.36	786.06	89.30	9.802	
18,700.00	11,708.35	19,581.63	12,568.75	95.53	95.47	169.40	-6,761.61	-1,042.54	875.37	785.23	90.14	9.712	
18,800.00	11,709.21	19,681.63	12,569.63	96.87	96.80	169.40	-6,861.60	-1,041.68	875.38	784.40	90.97	9.622	
18,900.00	11,710.08	19,781.63	12,570.50	98.20	98.13	169.40	-6,961.59	-1,040.81	875.38	783.57	91.81	9.534	
19,000.00	11,710.95	19,881.63	12,571.37	99.54	99.47	169.40	-7,061.59	-1,039.95	875.39	782.73	92.66	9.448	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	11,711.81	19,981.63	12,572.25	100.88	100.80	169.40	-7,161.58	-1,039.09	875.40	781.89	93.51	9.362	
19,200.00	11,712.68	20,081.63	12,573.12	102.22	102.13	169.40	-7,261.57	-1,038.23	875.41	781.05	94.36	9.278	
19,300.00	11,713.54	20,181.63	12,573.99	103.56	103.47	169.40	-7,361.56	-1,037.37	875.41	780.20	95.21	9.194	
19,400.00	11,714.41	20,281.63	12,574.86	104.90	104.80	169.40	-7,461.56	-1,036.51	875.42	779.35	96.07	9.112	
19,500.00	11,715.28	20,381.63	12,575.74	106.24	106.14	169.40	-7,561.55	-1,035.65	875.43	778.49	96.93	9.031	
19,600.00	11,716.14	20,481.63	12,576.61	107.58	107.48	169.40	-7,661.54	-1,034.79	875.43	777.64	97.80	8.952	
19,700.00	11,717.01	20,581.63	12,577.48	108.92	108.82	169.40	-7,761.53	-1,033.93	875.44	776.78	98.66	8.873	
19,800.00	11,717.87	20,681.63	12,578.36	110.27	110.16	169.40	-7,861.53	-1,033.07	875.45	775.91	99.53	8.795	
19,900.00	11,718.74	20,781.63	12,579.23	111.61	111.50	169.40	-7,961.52	-1,032.21	875.45	775.05	100.41	8.719	
20,000.00	11,719.61	20,881.63	12,580.10	112.96	112.84	169.40	-8,061.51	-1,031.35	875.46	774.18	101.28	8.644	
20,100.00	11,720.47	20,981.63	12,580.98	114.30	114.18	169.40	-8,161.50	-1,030.49	875.47	773.30	102.16	8.569	
20,200.00	11,721.34	21,081.63	12,581.85	115.65	115.52	169.40	-8,261.50	-1,029.63	875.47	772.43	103.05	8.496	
20,300.00	11,722.20	21,181.63	12,582.72	117.00	116.86	169.40	-8,361.49	-1,028.77	875.48	771.55	103.93	8.424	
20,400.00	11,723.07	21,281.63	12,583.59	118.34	118.21	169.40	-8,461.48	-1,027.90	875.49	770.67	104.82	8.353	
20,500.00	11,723.94	21,381.63	12,584.47	119.69	119.55	169.40	-8,561.47	-1,027.04	875.50	769.79	105.71	8.282	
20,600.00	11,724.80	21,481.63	12,585.34	121.04	120.90	169.40	-8,661.46	-1,026.18	875.50	768.90	106.60	8.213	
20,700.00	11,725.67	21,581.63	12,586.21	122.39	122.24	169.40	-8,761.46	-1,025.32	875.51	768.02	107.49	8.145	
20,800.00	11,726.53	21,681.63	12,587.09	123.74	123.59	169.40	-8,861.45	-1,024.46	875.52	767.13	108.39	8.077	
20,900.00	11,727.40	21,781.63	12,587.96	125.09	124.93	169.40	-8,961.44	-1,023.60	875.52	766.23	109.29	8.011	
21,000.00	11,728.27	21,881.63	12,588.83	126.44	126.28	169.40	-9,061.43	-1,022.74	875.53	765.34	110.19	7.946	
21,100.00	11,729.13	21,981.63	12,589.71	127.79	127.63	169.40	-9,161.43	-1,021.88	875.54	764.44	111.09	7.881	
21,200.00	11,730.00	22,081.63	12,590.58	129.14	128.98	169.40	-9,261.42	-1,021.02	875.54	763.54	112.00	7.817	
21,300.00	11,730.86	22,181.63	12,591.45	130.49	130.32	169.40	-9,361.41	-1,020.16	875.55	762.64	112.91	7.755	
21,400.00	11,731.73	22,281.63	12,592.33	131.84	131.67	169.40	-9,461.40	-1,019.30	875.56	761.74	113.82	7.693	
21,500.00	11,732.60	22,381.63	12,593.20	133.19	133.02	169.40	-9,561.40	-1,018.44	875.56	760.84	114.73	7.632	
21,600.00	11,733.46	22,481.63	12,594.07	134.54	134.37	169.40	-9,661.39	-1,017.58	875.57	759.93	115.64	7.571	
21,700.00	11,734.33	22,581.63	12,594.94	135.90	135.72	169.40	-9,761.38	-1,016.72	875.58	759.02	116.56	7.512	
21,800.00	11,735.19	22,681.63	12,595.82	137.25	137.07	169.40	-9,861.37	-1,015.86	875.59	758.11	117.48	7.453	
21,900.00	11,736.06	22,781.63	12,596.69	138.60	138.42	169.40	-9,961.37	-1,015.00	875.59	757.20	118.39	7.396	
22,000.00	11,736.93	22,881.63	12,597.56	139.96	139.77	169.40	-10,061.36	-1,014.13	875.60	756.28	119.32	7.339	
22,008.51	11,737.00	22,890.14	12,597.64	140.07	139.89	169.40	-10,069.87	-1,014.06	875.60	756.21	119.39	7.334	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	-8.88	160.00	-25.00	161.94				
100.00	100.00	99.00	99.00	0.98	0.97	-8.88	160.00	-25.00	161.94	159.99	1.95	82.837	
200.00	200.00	199.00	199.00	1.56	1.56	-8.88	160.00	-25.00	161.94	158.83	3.12	51.967	
300.00	300.00	299.00	299.00	1.98	1.98	-8.88	160.00	-25.00	161.94	157.98	3.96	40.914	
400.00	400.00	399.00	399.00	2.33	2.33	-8.88	160.00	-25.00	161.94	157.29	4.66	34.786	
500.00	500.00	499.00	499.00	2.63	2.63	-8.88	160.00	-25.00	161.94	156.68	5.27	30.752	
600.00	599.99	598.99	598.99	2.98	2.91	57.05	160.00	-25.00	161.23	155.39	5.83	27.632	
700.00	699.91	698.91	698.91	3.29	3.16	58.26	160.00	-25.00	159.12	152.77	6.35	25.046	
800.00	799.69	798.69	798.69	3.58	3.40	60.35	160.00	-25.00	155.78	148.94	6.83	22.792	
833.33	832.91	831.91	831.91	3.60	3.47	61.25	160.00	-25.00	154.43	147.50	6.93	22.279	
900.00	899.32	898.32	898.32	3.70	3.62	63.17	160.00	-25.00	151.71	144.54	7.17	21.165	
1,000.00	998.94	997.94	997.94	3.92	3.83	66.17	160.00	-25.00	147.97	140.37	7.59	19.483	
1,100.00	1,098.56	1,097.56	1,097.56	4.14	4.03	69.32	160.00	-25.00	144.66	136.65	8.01	18.070	
1,200.00	1,198.18	1,197.18	1,197.18	4.36	4.23	72.61	160.00	-25.00	141.80	133.40	8.41	16.869	
1,201.83	1,200.00	1,199.00	1,199.00	4.36	4.23	72.67	160.00	-25.00	141.76	133.34	8.41	16.849	
1,300.00	1,297.68	1,296.68	1,296.68	4.60	4.41	76.55	160.00	-25.00	139.14	130.35	8.79	15.830	
1,400.00	1,396.88	1,395.88	1,395.88	4.86	4.59	81.67	160.00	-25.00	136.74	127.57	9.17	14.913	
1,500.00	1,495.72	1,494.72	1,494.72	5.10	4.77	87.98	160.00	-25.00	135.36	125.81	9.55	14.176	
1,528.71	1,524.02	1,523.02	1,523.02	5.18	4.82	90.00	160.00	-25.00	135.27	125.61	9.66	14.004	CC, ES
1,600.00	1,594.13	1,593.13	1,593.13	5.35	4.94	95.35	160.00	-25.00	135.89	125.95	9.94	13.674	
1,634.85	1,628.31	1,627.31	1,627.31	5.39	4.99	98.12	160.00	-25.00	136.70	126.66	10.04	13.614	
1,700.00	1,692.16	1,691.16	1,691.16	5.49	5.10	103.32	160.00	-25.00	139.17	128.90	10.27	13.554	
1,800.00	1,790.15	1,789.15	1,789.15	5.70	5.26	110.87	160.00	-25.00	145.15	134.46	10.68	13.589	
1,900.00	1,888.15	1,887.15	1,887.15	5.90	5.41	117.72	160.00	-25.00	153.50	142.41	11.09	13.838	
2,000.00	1,986.14	1,985.14	1,985.14	6.11	5.57	123.82	160.00	-25.00	163.86	152.36	11.50	14.252	
2,100.00	2,084.14	2,083.14	2,083.14	6.32	5.72	129.16	160.00	-25.00	175.88	163.99	11.89	14.789	
2,200.00	2,182.13	2,181.13	2,181.13	6.53	5.86	133.79	160.00	-25.00	189.24	176.96	12.28	15.411	
2,300.00	2,280.12	2,275.70	2,275.70	6.75	6.02	137.56	160.57	-24.51	204.33	191.68	12.66	16.142	
2,400.00	2,378.12	2,369.14	2,369.09	6.97	6.19	140.45	162.85	-22.57	222.16	209.14	13.02	17.057	
2,500.00	2,476.11	2,462.12	2,461.92	7.20	6.35	142.58	166.84	-19.16	242.39	229.02	13.38	18.122	
2,600.00	2,574.11	2,554.54	2,554.03	7.44	6.51	144.06	172.51	-14.33	264.76	251.04	13.72	19.300	
2,700.00	2,672.10	2,646.29	2,645.27	7.69	6.67	145.03	179.81	-8.10	289.07	275.02	14.05	20.569	
2,800.00	2,770.10	2,737.53	2,735.76	7.94	6.79	145.58	188.72	-0.49	315.21	300.86	14.35	21.964	
2,900.00	2,868.09	2,833.81	2,831.10	8.20	6.90	145.96	198.91	8.21	342.16	327.49	14.68	23.313	
3,000.00	2,966.08	2,930.09	2,926.44	8.46	7.05	146.28	209.10	16.90	369.13	354.10	15.03	24.556	
3,100.00	3,064.08	3,026.36	3,021.78	8.72	7.19	146.56	219.29	25.60	396.10	380.71	15.39	25.736	
3,200.00	3,162.07	3,122.64	3,117.12	8.98	7.34	146.80	229.48	34.29	423.09	407.34	15.75	26.860	
3,300.00	3,260.07	3,218.92	3,212.46	9.25	7.49	147.01	239.67	42.99	450.08	433.96	16.11	27.930	
3,400.00	3,358.06	3,315.19	3,307.80	9.51	7.64	147.20	249.86	51.68	477.07	460.59	16.48	28.950	
3,500.00	3,456.05	3,411.47	3,403.14	9.77	7.79	147.37	260.05	60.38	504.07	487.22	16.85	29.922	
3,600.00	3,554.05	3,507.75	3,498.48	10.04	7.94	147.52	270.24	69.07	531.07	513.86	17.21	30.850	
3,700.00	3,652.04	3,604.02	3,593.82	10.31	8.10	147.66	280.43	77.77	558.08	540.49	17.58	31.736	
3,800.00	3,750.04	3,700.30	3,689.16	10.57	8.25	147.78	290.62	86.46	585.08	567.13	17.96	32.583	
3,900.00	3,848.03	3,796.57	3,784.50	10.84	8.41	147.90	300.81	95.16	612.09	593.76	18.33	33.393	
4,000.00	3,946.02	3,892.85	3,879.84	11.11	8.57	148.00	311.00	103.86	639.11	620.40	18.71	34.167	
4,100.00	4,044.02	3,989.13	3,975.18	11.37	8.73	148.10	321.19	112.55	666.12	647.04	19.08	34.909	
4,200.00	4,142.01	4,085.40	4,070.52	11.64	8.89	148.18	331.37	121.25	693.14	673.68	19.46	35.620	
4,300.00	4,240.01	4,181.68	4,165.86	11.91	9.06	148.26	341.56	129.94	720.15	700.31	19.84	36.301	
4,400.00	4,338.00	4,277.96	4,261.20	12.18	9.22	148.34	351.75	138.64	747.17	726.95	20.22	36.955	
4,500.00	4,435.99	4,374.23	4,356.54	12.45	9.38	148.41	361.94	147.33	774.19	753.59	20.60	37.582	
4,600.00	4,533.99	4,470.51	4,451.88	12.72	9.55	148.48	372.13	156.03	801.21	780.23	20.98	38.185	
4,700.00	4,631.98	4,566.79	4,547.22	12.99	9.72	148.54	382.32	164.72	828.23	806.87	21.37	38.764	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,729.98	4,663.06	4,642.56	13.26	9.88	148.59	392.51	173.42	855.25	833.50	21.75	39.321	
4,900.00	4,827.97	4,759.34	4,737.90	13.53	10.05	148.65	402.70	182.11	882.28	860.14	22.14	39.858	
5,000.00	4,925.97	4,863.34	4,840.93	13.80	10.22	148.71	413.51	191.34	909.14	886.61	22.54	40.341	
5,100.00	5,023.96	4,980.59	4,957.43	14.07	10.43	148.91	423.52	199.88	934.28	911.28	23.00	40.624	
5,200.00	5,121.95	5,098.95	5,075.39	14.34	10.65	149.25	430.87	206.15	957.26	933.82	23.45	40.824	
5,300.00	5,219.95	5,218.22	5,194.50	14.61	10.85	149.73	435.45	210.07	978.10	954.23	23.87	40.972	
5,400.00	5,317.94	5,338.17	5,314.43	14.88	11.02	150.34	437.21	211.56	996.81	972.56	24.25	41.111	
5,500.00	5,415.94	5,438.68	5,414.94	15.15	11.09	150.90	437.23	211.58	1,014.27	989.74	24.53	41.351	
5,600.00	5,513.93	5,536.67	5,512.93	15.42	11.18	151.44	437.23	211.58	1,031.81	1,006.98	24.83	41.557	
5,700.00	5,611.92	5,634.67	5,610.92	15.69	11.27	151.96	437.23	211.58	1,049.44	1,024.31	25.13	41.761	
5,800.00	5,709.92	5,732.66	5,708.92	15.96	11.36	152.46	437.23	211.58	1,067.14	1,041.71	25.43	41.964	
5,900.00	5,807.91	5,830.66	5,806.91	16.24	11.46	152.94	437.23	211.58	1,084.93	1,059.19	25.73	42.159	
5,905.98	5,813.78	5,836.52	5,812.78	16.26	11.46	152.97	437.23	211.58	1,086.00	1,060.24	25.75	42.170	
6,000.00	5,906.13	5,928.87	5,905.13	16.50	11.55	153.49	437.23	211.58	1,101.77	1,075.73	26.04	42.318	
6,100.00	6,004.80	6,027.54	6,003.80	16.73	11.64	153.96	437.23	211.58	1,116.35	1,090.01	26.33	42.392	
6,200.00	6,103.86	6,126.61	6,102.86	16.93	11.73	154.35	437.23	211.58	1,128.64	1,102.01	26.62	42.391	
6,300.00	6,203.25	6,225.99	6,202.25	17.11	11.82	154.65	437.23	211.58	1,138.61	1,111.70	26.91	42.319	
6,400.00	6,302.89	6,325.64	6,301.89	17.27	11.92	154.88	437.23	211.58	1,146.24	1,119.06	27.18	42.178	
6,500.00	6,402.72	6,425.46	6,401.72	17.39	12.01	155.04	437.23	211.58	1,151.51	1,124.08	27.43	41.974	
6,600.00	6,502.67	6,525.41	6,501.67	17.49	12.10	155.12	437.23	211.58	1,154.42	1,126.74	27.68	41.713	
6,672.34	6,575.00	6,597.74	6,574.00	17.53	12.17	89.61	437.23	211.58	1,155.04	1,127.24	27.80	41.552	
6,700.00	6,602.66	6,625.40	6,601.66	17.54	12.19	89.61	437.23	211.58	1,155.04	1,127.21	27.83	41.505	
6,800.00	6,702.66	6,725.40	6,701.66	17.60	12.29	89.61	437.23	211.58	1,155.04	1,127.06	27.98	41.283	
6,900.00	6,802.66	6,825.40	6,801.66	17.66	12.38	89.61	437.23	211.58	1,155.04	1,126.91	28.13	41.064	
7,000.00	6,902.66	6,925.40	6,901.66	17.71	12.47	89.61	437.23	211.58	1,155.04	1,126.76	28.28	40.846	
7,100.00	7,002.66	7,025.40	7,001.66	17.77	12.56	89.61	437.23	211.58	1,155.04	1,126.61	28.43	40.631	
7,200.00	7,102.66	7,125.40	7,101.66	17.83	12.65	89.61	437.23	211.58	1,155.04	1,126.46	28.58	40.418	
7,300.00	7,202.66	7,225.40	7,201.66	17.89	12.74	89.61	437.23	211.58	1,155.04	1,126.31	28.73	40.208	
7,400.00	7,302.66	7,325.40	7,301.66	17.95	12.84	89.61	437.23	211.58	1,155.04	1,126.16	28.88	39.999	
7,500.00	7,402.66	7,425.40	7,401.66	18.01	12.93	89.61	437.23	211.58	1,155.04	1,126.01	29.03	39.792	
7,600.00	7,502.66	7,525.40	7,501.66	18.07	13.02	89.61	437.23	211.58	1,155.04	1,125.86	29.18	39.588	
7,700.00	7,602.66	7,625.40	7,601.66	18.13	13.11	89.61	437.23	211.58	1,155.04	1,125.71	29.33	39.385	
7,800.00	7,702.66	7,725.40	7,701.66	18.19	13.20	89.61	437.23	211.58	1,155.04	1,125.56	29.48	39.184	
7,900.00	7,802.66	7,825.40	7,801.66	18.25	13.29	89.61	437.23	211.58	1,155.04	1,125.41	29.63	38.986	
8,000.00	7,902.66	7,925.40	7,901.66	18.31	13.38	89.61	437.23	211.58	1,155.04	1,125.26	29.78	38.789	
8,100.00	8,002.66	8,025.40	8,001.66	18.37	13.47	89.61	437.23	211.58	1,155.04	1,125.11	29.93	38.594	
8,200.00	8,102.66	8,125.40	8,101.66	18.43	13.56	89.61	437.23	211.58	1,155.04	1,124.96	30.08	38.401	
8,300.00	8,202.66	8,225.40	8,201.66	18.50	13.65	89.61	437.23	211.58	1,155.04	1,124.81	30.23	38.210	
8,400.00	8,302.66	8,325.40	8,301.66	18.56	13.74	89.61	437.23	211.58	1,155.04	1,124.66	30.38	38.020	
8,500.00	8,402.66	8,425.40	8,401.66	18.62	13.83	89.61	437.23	211.58	1,155.04	1,124.51	30.53	37.833	
8,600.00	8,502.66	8,525.40	8,501.66	18.68	13.92	89.61	437.23	211.58	1,155.04	1,124.36	30.68	37.647	
8,700.00	8,602.66	8,625.40	8,601.66	18.74	14.01	89.61	437.23	211.58	1,155.04	1,124.21	30.83	37.463	
8,800.00	8,702.66	8,725.40	8,701.66	18.80	14.10	89.61	437.23	211.58	1,155.04	1,124.05	30.98	37.280	
8,900.00	8,802.66	8,825.40	8,801.66	18.87	14.19	89.61	437.23	211.58	1,155.04	1,123.90	31.13	37.100	
9,000.00	8,902.66	8,925.40	8,901.66	18.93	14.28	89.61	437.23	211.58	1,155.04	1,123.75	31.28	36.921	
9,100.00	9,002.66	9,025.40	9,001.66	18.99	14.37	89.61	437.23	211.58	1,155.04	1,123.60	31.44	36.743	
9,200.00	9,102.66	9,125.40	9,101.66	19.05	14.46	89.61	437.23	211.58	1,155.04	1,123.45	31.59	36.567	
9,300.00	9,202.66	9,225.40	9,201.66	19.12	14.55	89.61	437.23	211.58	1,155.04	1,123.30	31.74	36.393	
9,400.00	9,302.66	9,325.40	9,301.66	19.18	14.64	89.61	437.23	211.58	1,155.04	1,123.15	31.89	36.220	
9,500.00	9,402.66	9,425.40	9,401.66	19.24	14.73	89.61	437.23	211.58	1,155.04	1,123.00	32.04	36.049	
9,600.00	9,502.66	9,525.40	9,501.66	19.30	14.82	89.61	437.23	211.58	1,155.04	1,122.84	32.19	35.880	
9,700.00	9,602.66	9,625.40	9,601.66	19.37	14.91	89.61	437.23	211.58	1,155.04	1,122.69	32.34	35.712	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,800.00	9,702.66	9,725.40	9,701.66	19.43	15.00	89.61	437.23	211.58	1,155.04	1,122.54	32.49	35.545	
9,900.00	9,802.66	9,825.40	9,801.66	19.49	15.09	89.61	437.23	211.58	1,155.04	1,122.39	32.65	35.380	
10,000.00	9,902.66	9,925.40	9,901.66	19.56	15.17	89.61	437.23	211.58	1,155.04	1,122.24	32.80	35.217	
10,100.00	10,002.66	10,025.40	10,001.66	19.62	15.26	89.61	437.23	211.58	1,155.04	1,122.09	32.95	35.054	
10,200.00	10,102.66	10,125.40	10,101.66	19.69	15.35	89.61	437.23	211.58	1,155.04	1,121.94	33.10	34.894	
10,300.00	10,202.66	10,225.40	10,201.66	19.75	15.44	89.61	437.23	211.58	1,155.04	1,121.78	33.25	34.734	
10,400.00	10,302.66	10,325.40	10,301.66	19.81	15.53	89.61	437.23	211.58	1,155.04	1,121.63	33.41	34.576	
10,500.00	10,402.66	10,425.40	10,401.66	19.88	15.62	89.61	437.23	211.58	1,155.04	1,121.48	33.56	34.420	
10,600.00	10,502.66	10,525.40	10,501.66	19.94	15.71	89.61	437.23	211.58	1,155.04	1,121.33	33.71	34.264	
10,700.00	10,602.66	10,625.40	10,601.66	20.01	15.79	89.61	437.23	211.58	1,155.04	1,121.17	33.86	34.110	
10,800.00	10,702.66	10,725.40	10,701.66	20.07	15.88	89.61	437.23	211.58	1,155.04	1,121.02	34.01	33.958	
10,900.00	10,802.66	10,825.40	10,801.66	20.14	15.97	89.61	437.23	211.58	1,155.04	1,120.87	34.17	33.806	
11,000.00	10,902.66	10,925.40	10,901.66	20.20	16.06	89.61	437.23	211.58	1,155.04	1,120.72	34.32	33.656	
11,100.00	11,002.66	11,025.40	11,001.66	20.27	16.15	89.61	437.23	211.58	1,155.04	1,120.57	34.47	33.507	
11,175.34	11,078.00	11,100.74	11,077.00	20.31	16.21	89.61	437.23	211.58	1,155.04	1,120.46	34.58	33.405	
11,200.00	11,102.65	11,125.40	11,101.65	20.31	16.23	-89.92	437.23	211.58	1,155.04	1,120.44	34.60	33.384	
11,224.19	11,126.79	11,149.53	11,125.79	20.32	16.26	-90.00	437.23	211.58	1,155.03	1,120.43	34.61	33.373	
11,250.00	11,152.45	11,175.19	11,151.45	20.33	16.28	-90.14	437.23	211.58	1,155.04	1,120.42	34.62	33.360	
11,300.00	11,201.68	11,224.42	11,200.68	20.35	16.32	-90.55	437.23	211.58	1,155.09	1,120.46	34.63	33.351	
11,350.00	11,249.97	11,272.71	11,248.97	20.35	16.36	-91.15	437.23	211.58	1,155.29	1,120.66	34.63	33.358	
11,400.00	11,296.95	11,319.69	11,295.95	20.35	16.40	-91.90	437.23	211.58	1,155.78	1,121.16	34.62	33.386	
11,450.00	11,342.26	11,365.01	11,341.26	20.35	16.44	-92.75	437.23	211.58	1,156.72	1,122.13	34.59	33.438	
11,500.00	11,385.56	11,408.31	11,384.56	20.34	16.48	-93.66	437.23	211.58	1,158.34	1,123.79	34.56	33.521	
11,550.00	11,426.53	11,449.27	11,425.53	20.33	16.52	-94.56	437.23	211.58	1,160.86	1,126.35	34.51	33.640	
11,600.00	11,464.83	11,487.58	11,463.83	20.33	16.55	-95.41	437.23	211.58	1,164.51	1,130.05	34.45	33.800	
11,650.00	11,500.20	11,522.94	11,499.20	20.34	16.58	-96.13	437.23	211.58	1,169.53	1,135.14	34.39	34.008	
11,700.00	11,532.35	11,555.09	11,531.35	20.35	16.61	-96.67	437.23	211.58	1,176.14	1,141.82	34.32	34.269	
11,750.00	11,561.05	11,583.79	11,560.05	20.38	16.64	-96.97	437.23	211.58	1,184.54	1,150.29	34.25	34.589	
11,800.00	11,586.06	11,608.81	11,585.06	20.42	16.66	-96.98	437.23	211.58	1,194.88	1,160.72	34.17	34.970	
11,850.00	11,607.21	11,629.96	11,606.21	20.48	16.68	-96.65	437.23	211.58	1,207.28	1,173.19	34.09	35.416	
11,900.00	11,624.34	11,647.08	11,623.34	20.56	16.69	-95.93	437.23	211.58	1,221.77	1,187.76	34.01	35.927	
11,950.00	11,637.30	11,660.05	11,636.30	20.66	16.70	-94.80	437.23	211.58	1,238.34	1,204.42	33.92	36.503	
12,000.00	11,646.01	11,668.76	11,645.01	20.77	16.71	-93.22	437.23	211.58	1,256.93	1,223.09	33.84	37.141	
12,050.00	11,650.40	11,673.14	11,649.40	20.91	16.71	-91.20	437.23	211.58	1,277.39	1,243.63	33.76	37.839	
12,070.38	11,650.94	11,673.68	11,649.94	20.97	16.72	-90.24	437.23	211.58	1,286.22	1,252.50	33.72	38.139	
12,100.00	11,651.19	11,673.94	11,650.19	21.07	16.72	-90.26	437.23	211.58	1,299.53	1,265.85	33.68	38.590	
12,200.00	11,652.06	11,674.80	11,651.06	21.42	16.72	-90.30	437.23	211.58	1,348.28	1,314.74	33.54	40.197	
12,300.00	11,652.93	11,675.67	11,651.93	21.84	16.72	-90.34	437.23	211.58	1,402.49	1,369.05	33.44	41.945	
12,400.00	11,653.79	13,181.76	12,518.73	22.31	18.68	-126.86	-450.70	219.23	1,443.61	1,399.22	44.39	32.521	
12,500.00	11,654.66	13,281.76	12,519.60	22.84	19.25	-126.86	-550.69	220.09	1,443.62	1,398.45	45.17	31.958	
12,600.00	11,655.52	13,381.76	12,520.48	23.42	19.93	-126.86	-650.68	220.95	1,443.62	1,397.57	46.05	31.348	
12,700.00	11,656.39	13,481.76	12,521.35	24.05	20.68	-126.86	-750.67	221.81	1,443.63	1,396.60	47.02	30.700	
12,800.00	11,657.26	13,581.76	12,522.22	24.73	21.51	-126.86	-850.67	222.67	1,443.63	1,395.55	48.08	30.024	
12,900.00	11,658.12	13,681.76	12,523.10	25.46	22.40	-126.86	-950.66	223.53	1,443.64	1,394.42	49.22	29.330	
13,000.00	11,658.99	13,781.76	12,523.97	26.23	23.34	-126.86	-1,050.65	224.39	1,443.64	1,393.21	50.44	28.623	
13,100.00	11,659.85	13,881.76	12,524.85	27.05	24.32	-126.86	-1,150.64	225.25	1,443.65	1,391.93	51.72	27.913	
13,200.00	11,660.72	13,981.76	12,525.72	27.90	25.34	-126.86	-1,250.63	226.11	1,443.65	1,390.58	53.07	27.203	
13,300.00	11,661.59	14,081.76	12,526.59	28.80	26.39	-126.86	-1,350.63	226.97	1,443.66	1,389.18	54.48	26.499	
13,400.00	11,662.45	14,181.76	12,527.47	29.73	27.47	-126.86	-1,450.62	227.84	1,443.66	1,387.72	55.94	25.805	
13,500.00	11,663.32	14,281.76	12,528.34	30.69	28.58	-126.86	-1,550.61	228.70	1,443.66	1,386.20	57.46	25.124	
13,600.00	11,664.18	14,381.76	12,529.21	31.67	29.71	-126.86	-1,650.60	229.56	1,443.67	1,384.64	59.03	24.458	
13,700.00	11,665.05	14,481.76	12,530.09	32.69	30.86	-126.86	-1,750.60	230.42	1,443.67	1,383.04	60.63	23.810	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
13,800.00	11,665.92	14,581.76	12,530.96	33.73	32.03	-126.86	-1,850.59	231.28	1,443.68	1,381.40	62.28	23.180	
13,900.00	11,666.78	14,681.76	12,531.83	34.79	33.22	-126.86	-1,950.58	232.14	1,443.68	1,379.72	63.97	22.569	
14,000.00	11,667.65	14,781.76	12,532.71	35.88	34.41	-126.86	-2,050.57	233.00	1,443.69	1,378.00	65.69	21.978	
14,100.00	11,668.51	14,881.76	12,533.58	36.98	35.62	-126.86	-2,150.57	233.86	1,443.69	1,376.25	67.44	21.408	
14,200.00	11,669.38	14,981.76	12,534.45	38.10	36.85	-126.86	-2,250.56	234.72	1,443.70	1,374.48	69.22	20.857	
14,300.00	11,670.24	15,081.76	12,535.33	39.23	38.08	-126.86	-2,350.55	235.58	1,443.70	1,372.67	71.03	20.326	
14,400.00	11,671.11	15,181.76	12,536.20	40.38	39.32	-126.86	-2,450.54	236.44	1,443.71	1,370.85	72.86	19.815	
14,500.00	11,671.98	15,281.76	12,537.07	41.55	40.57	-126.87	-2,550.54	237.31	1,443.71	1,368.99	74.72	19.323	
14,600.00	11,672.84	15,381.76	12,537.95	42.72	41.83	-126.87	-2,650.53	238.17	1,443.72	1,367.12	76.59	18.849	
14,700.00	11,673.71	15,481.76	12,538.82	43.91	43.09	-126.87	-2,750.52	239.03	1,443.72	1,365.23	78.49	18.393	
14,800.00	11,674.57	15,581.76	12,539.69	45.11	44.36	-126.87	-2,850.51	239.89	1,443.72	1,363.32	80.41	17.955	
14,900.00	11,675.44	15,681.76	12,540.57	46.32	45.64	-126.87	-2,950.51	240.75	1,443.73	1,361.39	82.34	17.533	
15,000.00	11,676.31	15,781.76	12,541.44	47.53	46.92	-126.87	-3,050.50	241.61	1,443.73	1,359.44	84.29	17.128	
15,100.00	11,677.17	15,881.76	12,542.31	48.76	48.21	-126.87	-3,150.49	242.47	1,443.74	1,357.48	86.26	16.738	
15,200.00	11,678.04	15,981.76	12,543.19	49.99	49.50	-126.87	-3,250.48	243.33	1,443.74	1,355.51	88.24	16.362	
15,300.00	11,678.90	16,081.76	12,544.06	51.23	50.79	-126.87	-3,350.48	244.19	1,443.75	1,353.52	90.23	16.001	
15,400.00	11,679.77	16,181.76	12,544.93	52.47	52.09	-126.87	-3,450.47	245.05	1,443.75	1,351.52	92.23	15.654	
15,500.00	11,680.64	16,281.76	12,545.81	53.73	53.40	-126.87	-3,550.46	245.92	1,443.76	1,349.51	94.25	15.319	
15,600.00	11,681.50	16,381.76	12,546.68	54.98	54.70	-126.87	-3,650.45	246.78	1,443.76	1,347.49	96.27	14.997	
15,700.00	11,682.37	16,481.76	12,547.55	56.25	56.01	-126.87	-3,750.45	247.64	1,443.77	1,345.46	98.31	14.686	
15,800.00	11,683.23	16,581.76	12,548.43	57.52	57.32	-126.87	-3,850.44	248.50	1,443.77	1,343.42	100.36	14.387	
15,900.00	11,684.10	16,681.76	12,549.30	58.79	58.64	-126.87	-3,950.43	249.36	1,443.78	1,341.37	102.41	14.098	
16,000.00	11,684.97	16,781.76	12,550.17	60.06	59.96	-126.87	-4,050.42	250.22	1,443.78	1,339.31	104.47	13.820	
16,100.00	11,685.83	16,881.76	12,551.05	61.35	61.27	-126.87	-4,150.42	251.08	1,443.79	1,337.24	106.54	13.551	
16,200.00	11,686.70	16,981.76	12,551.92	62.63	62.60	-126.87	-4,250.41	251.94	1,443.79	1,335.17	108.62	13.292	
16,300.00	11,687.56	17,081.76	12,552.79	63.92	63.92	-126.87	-4,350.40	252.80	1,443.79	1,333.09	110.71	13.042	
16,400.00	11,688.43	17,181.76	12,553.67	65.21	65.25	-126.87	-4,450.39	253.66	1,443.80	1,331.00	112.80	12.800	
16,500.00	11,689.30	17,281.76	12,554.54	66.51	66.57	-126.87	-4,550.39	254.53	1,443.80	1,328.91	114.90	12.566	
16,600.00	11,690.16	17,381.76	12,555.41	67.80	67.90	-126.87	-4,650.38	255.39	1,443.81	1,326.81	117.00	12.340	
16,700.00	11,691.03	17,481.76	12,556.29	69.10	69.23	-126.87	-4,750.37	256.25	1,443.81	1,324.70	119.11	12.122	
16,800.00	11,691.89	17,581.76	12,557.16	70.41	70.57	-126.87	-4,850.36	257.11	1,443.82	1,322.59	121.23	11.910	
16,900.00	11,692.76	17,681.76	12,558.03	71.71	71.90	-126.87	-4,950.36	257.97	1,443.82	1,320.48	123.35	11.705	
17,000.00	11,693.63	17,781.76	12,558.91	73.02	73.23	-126.87	-5,050.35	258.83	1,443.83	1,318.36	125.47	11.507	
17,100.00	11,694.49	17,881.76	12,559.78	74.33	74.57	-126.87	-5,150.34	259.69	1,443.83	1,316.23	127.60	11.315	
17,200.00	11,695.36	17,981.76	12,560.65	75.64	75.91	-126.87	-5,250.33	260.55	1,443.84	1,314.10	129.73	11.129	
17,300.00	11,696.22	18,081.76	12,561.53	76.96	77.25	-126.87	-5,350.33	261.41	1,443.84	1,311.97	131.87	10.949	
17,400.00	11,697.09	18,181.76	12,562.40	78.28	78.59	-126.87	-5,450.32	262.27	1,443.85	1,309.83	134.01	10.774	
17,500.00	11,697.96	18,281.76	12,563.27	79.59	79.93	-126.87	-5,550.31	263.14	1,443.85	1,307.69	136.16	10.604	
17,600.00	11,698.82	18,381.76	12,564.15	80.91	81.27	-126.87	-5,650.30	264.00	1,443.85	1,305.55	138.31	10.439	
17,700.00	11,699.69	18,481.76	12,565.02	82.24	82.61	-126.87	-5,750.30	264.86	1,443.86	1,303.40	140.46	10.279	
17,800.00	11,700.55	18,581.76	12,565.89	83.56	83.95	-126.87	-5,850.29	265.72	1,443.86	1,301.25	142.62	10.124	
17,900.00	11,701.42	18,681.76	12,566.77	84.88	85.30	-126.87	-5,950.28	266.58	1,443.87	1,299.09	144.77	9.973	
18,000.00	11,702.29	18,781.76	12,567.64	86.21	86.64	-126.87	-6,050.27	267.44	1,443.87	1,296.94	146.94	9.827	
18,100.00	11,703.15	18,881.76	12,568.52	87.54	87.99	-126.87	-6,150.27	268.30	1,443.88	1,294.78	149.10	9.684	
18,200.00	11,704.02	18,981.76	12,569.39	88.87	89.34	-126.87	-6,250.26	269.16	1,443.88	1,292.62	151.27	9.545	
18,300.00	11,704.88	19,081.76	12,570.26	90.20	90.68	-126.87	-6,350.25	270.02	1,443.89	1,290.45	153.44	9.410	
18,400.00	11,705.75	19,181.76	12,571.14	91.53	92.03	-126.87	-6,450.24	270.88	1,443.89	1,288.28	155.61	9.279	
18,500.00	11,706.62	19,281.76	12,572.01	92.86	93.38	-126.87	-6,550.24	271.75	1,443.90	1,286.11	157.78	9.151	
18,600.00	11,707.48	19,381.76	12,572.88	94.19	94.73	-126.87	-6,650.23	272.61	1,443.90	1,283.94	159.96	9.027	
18,700.00	11,708.35	19,481.76	12,573.76	95.53	96.08	-126.87	-6,750.22	273.47	1,443.91	1,281.77	162.14	8.905	
18,800.00	11,709.21	19,581.76	12,574.63	96.87	97.43	-126.87	-6,850.21	274.33	1,443.91	1,279.59	164.32	8.787	
18,900.00	11,710.08	19,681.76	12,575.50	98.20	98.78	-126.88	-6,950.21	275.19	1,443.92	1,277.41	166.50	8.672	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
19,000.00	11,710.95	19,781.76	12,576.38	99.54	100.13	-126.88	-7,050.20	276.05	1,443.92	1,275.23	168.69	8.560	
19,100.00	11,711.81	19,881.76	12,577.25	100.88	101.48	-126.88	-7,150.19	276.91	1,443.92	1,273.05	170.88	8.450	
19,200.00	11,712.68	19,981.76	12,578.12	102.22	102.84	-126.88	-7,250.18	277.77	1,443.93	1,270.86	173.06	8.343	
19,300.00	11,713.54	20,081.76	12,579.00	103.56	104.19	-126.88	-7,350.18	278.63	1,443.93	1,268.68	175.25	8.239	
19,400.00	11,714.41	20,181.76	12,579.87	104.90	105.54	-126.88	-7,450.17	279.49	1,443.94	1,266.49	177.45	8.137	
19,500.00	11,715.28	20,281.76	12,580.74	106.24	106.90	-126.88	-7,550.16	280.35	1,443.94	1,264.30	179.64	8.038	
19,600.00	11,716.14	20,381.76	12,581.62	107.58	108.25	-126.88	-7,650.15	281.22	1,443.95	1,262.11	181.84	7.941	
19,700.00	11,717.01	20,481.76	12,582.49	108.92	109.60	-126.88	-7,750.15	282.08	1,443.95	1,259.92	184.03	7.846	
19,800.00	11,717.87	20,581.76	12,583.36	110.27	110.96	-126.88	-7,850.14	282.94	1,443.96	1,257.73	186.23	7.754	
19,900.00	11,718.74	20,681.76	12,584.24	111.61	112.31	-126.88	-7,950.13	283.80	1,443.96	1,255.53	188.43	7.663	
20,000.00	11,719.61	20,781.76	12,585.11	112.96	113.67	-126.88	-8,050.12	284.66	1,443.97	1,253.34	190.63	7.575	
20,100.00	11,720.47	20,881.76	12,585.98	114.30	115.03	-126.88	-8,150.12	285.52	1,443.97	1,251.14	192.83	7.488	
20,200.00	11,721.34	20,981.76	12,586.86	115.65	116.38	-126.88	-8,250.11	286.38	1,443.98	1,248.94	195.04	7.404	
20,300.00	11,722.20	21,081.76	12,587.73	117.00	117.74	-126.88	-8,350.10	287.24	1,443.98	1,246.74	197.24	7.321	
20,400.00	11,723.07	21,181.76	12,588.60	118.34	119.10	-126.88	-8,450.09	288.10	1,443.98	1,244.54	199.45	7.240	
20,500.00	11,723.94	21,281.76	12,589.48	119.69	120.45	-126.88	-8,550.09	288.96	1,443.99	1,242.34	201.65	7.161	
20,600.00	11,724.80	21,381.76	12,590.35	121.04	121.81	-126.88	-8,650.08	289.83	1,443.99	1,240.13	203.86	7.083	
20,700.00	11,725.67	21,481.76	12,591.22	122.39	123.17	-126.88	-8,750.07	290.69	1,444.00	1,237.93	206.07	7.007	
20,800.00	11,726.53	21,581.76	12,592.10	123.74	124.53	-126.88	-8,850.06	291.55	1,444.00	1,235.72	208.28	6.933	
20,900.00	11,727.40	21,681.76	12,592.97	125.09	125.88	-126.88	-8,950.06	292.41	1,444.01	1,233.52	210.49	6.860	
21,000.00	11,728.27	21,781.76	12,593.84	126.44	127.24	-126.88	-9,050.05	293.27	1,444.01	1,231.31	212.70	6.789	
21,100.00	11,729.13	21,881.76	12,594.72	127.79	128.60	-126.88	-9,150.04	294.13	1,444.02	1,229.10	214.92	6.719	
21,200.00	11,730.00	21,981.76	12,595.59	129.14	129.96	-126.88	-9,250.03	294.99	1,444.02	1,226.89	217.13	6.651	
21,300.00	11,730.86	22,081.76	12,596.46	130.49	131.32	-126.88	-9,350.03	295.85	1,444.03	1,224.68	219.34	6.583	
21,400.00	11,731.73	22,181.76	12,597.34	131.84	132.68	-126.88	-9,450.02	296.71	1,444.03	1,222.47	221.56	6.518	
21,500.00	11,732.60	22,281.76	12,598.21	133.19	134.04	-126.88	-9,550.01	297.57	1,444.04	1,220.26	223.78	6.453	
21,600.00	11,733.46	22,381.76	12,599.08	134.54	135.40	-126.88	-9,650.00	298.44	1,444.04	1,218.05	225.99	6.390	
21,700.00	11,734.33	22,481.76	12,599.96	135.90	136.76	-126.88	-9,750.00	299.30	1,444.05	1,215.83	228.21	6.328	
21,800.00	11,735.19	22,581.76	12,600.83	137.25	138.12	-126.88	-9,849.99	300.16	1,444.05	1,213.62	230.43	6.267	
21,900.00	11,736.06	22,681.76	12,601.70	138.60	139.48	-126.88	-9,949.98	301.02	1,444.05	1,211.41	232.65	6.207	
22,000.00	11,736.93	22,781.76	12,602.58	139.96	140.84	-126.88	-10,049.97	301.88	1,444.06	1,209.19	234.87	6.148	
22,008.51	11,737.00	22,790.27	12,602.65	140.07	140.96	-126.88	-10,058.49	301.95	1,444.06	1,209.00	235.06	6.143	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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	-90.00	0.00	-25.00	25.02				
100.00	100.00	99.00	99.00	0.98	0.97	-90.00	0.00	-25.00	25.00	23.05	1.95	12.788	
200.00	200.00	199.00	199.00	1.56	1.56	-90.00	0.00	-25.00	25.00	21.88	3.12	8.022	
300.00	300.00	299.00	299.00	1.98	1.98	-90.00	0.00	-25.00	25.00	21.04	3.96	6.316	CC, ES
400.00	400.00	398.56	398.55	2.33	2.41	-87.86	0.96	-25.83	25.85	21.16	4.69	5.510	
500.00	500.00	497.98	497.89	2.63	2.78	-82.19	3.89	-28.34	28.63	23.29	5.35	5.356	
600.00	599.99	597.21	596.91	2.98	3.12	-9.76	8.76	-32.53	32.47	26.46	6.01	5.400	
700.00	699.91	696.81	696.14	3.29	3.26	-3.08	15.22	-38.08	35.89	29.41	6.48	5.537	
800.00	799.69	796.73	795.68	3.58	3.51	2.67	21.82	-43.76	37.26	30.22	7.03	5.296	
833.33	832.91	830.04	828.87	3.60	3.59	4.55	24.02	-45.65	37.21	30.06	7.15	5.207	
900.00	899.32	896.66	895.23	3.70	3.75	8.39	28.42	-49.44	36.95	29.54	7.41	4.988	
968.55	967.61	965.16	963.47	3.85	3.91	12.37	32.95	-53.33	36.86	29.14	7.73	4.770	
1,000.00	998.94	996.59	994.78	3.92	3.98	14.20	35.03	-55.12	36.88	29.01	7.87	4.685	
1,100.00	1,098.56	1,096.52	1,094.33	4.14	4.21	19.98	41.63	-60.80	37.19	28.87	8.32	4.471	
1,200.00	1,198.18	1,196.45	1,193.88	4.36	4.44	25.61	48.24	-66.47	37.87	29.11	8.76	4.323	
1,201.83	1,200.00	1,198.27	1,195.70	4.36	4.45	25.71	48.36	-66.58	37.89	29.12	8.77	4.321	
1,300.00	1,297.68	1,295.43	1,292.38	4.60	4.69	31.69	55.63	-72.83	38.96	29.73	9.22	4.224	SF
1,400.00	1,396.88	1,394.27	1,390.45	4.86	4.95	38.78	64.93	-80.83	40.91	31.25	9.66	4.234	
1,500.00	1,495.72	1,493.62	1,488.75	5.10	5.10	46.59	75.90	-90.26	43.64	33.66	9.98	4.374	
1,600.00	1,594.13	1,593.33	1,587.36	5.35	5.31	55.88	87.08	-99.88	45.77	35.44	10.34	4.428	
1,634.85	1,628.31	1,628.05	1,621.69	5.39	5.39	59.53	90.97	-103.22	46.47	36.05	10.42	4.460	
1,700.00	1,692.16	1,692.93	1,685.87	5.49	5.53	66.35	98.24	-109.48	48.13	37.53	10.60	4.540	
1,800.00	1,790.15	1,792.53	1,784.36	5.70	5.74	75.75	109.41	-119.08	51.90	40.93	10.97	4.732	
1,900.00	1,888.15	1,892.12	1,882.86	5.90	5.95	83.70	120.57	-128.68	56.87	45.50	11.37	5.003	
2,000.00	1,986.14	1,991.71	1,981.36	6.11	6.16	90.28	131.74	-138.28	62.75	50.96	11.79	5.324	
2,100.00	2,084.14	2,091.30	2,079.85	6.32	6.37	95.67	142.90	-147.88	69.31	57.09	12.22	5.672	
2,200.00	2,182.13	2,190.89	2,178.35	6.53	6.58	100.11	154.06	-157.48	76.38	63.71	12.66	6.031	
2,300.00	2,280.12	2,290.48	2,276.85	6.75	6.79	103.78	165.23	-167.08	83.82	70.71	13.11	6.392	
2,400.00	2,378.12	2,390.07	2,375.34	6.97	7.00	106.84	176.39	-176.68	91.56	77.99	13.57	6.749	
2,500.00	2,476.11	2,489.66	2,473.84	7.20	7.21	109.42	187.56	-186.28	99.51	85.49	14.02	7.098	
2,600.00	2,574.11	2,589.25	2,572.34	7.44	7.42	111.61	198.72	-195.88	107.63	93.16	14.47	7.437	
2,700.00	2,672.10	2,688.85	2,670.83	7.69	7.62	113.50	209.89	-205.48	115.89	100.97	14.92	7.765	
2,800.00	2,770.10	2,788.44	2,769.33	7.94	7.83	115.13	221.05	-215.09	124.26	108.88	15.38	8.081	
2,900.00	2,868.09	2,888.03	2,867.83	8.20	8.04	116.55	232.21	-224.69	132.71	116.88	15.83	8.384	
3,000.00	2,966.08	2,987.62	2,966.32	8.46	8.24	117.81	243.38	-234.29	141.24	124.96	16.28	8.675	
3,100.00	3,064.08	3,087.21	3,064.82	8.72	8.45	118.92	254.54	-243.89	149.82	133.09	16.73	8.955	
3,200.00	3,162.07	3,186.80	3,163.32	8.98	8.65	119.91	265.71	-253.49	158.46	141.28	17.18	9.223	
3,300.00	3,260.07	3,286.39	3,261.81	9.25	8.86	120.80	276.87	-263.09	167.13	149.50	17.63	9.480	
3,400.00	3,358.06	3,385.98	3,360.31	9.51	9.06	121.60	288.03	-272.69	175.85	157.77	18.08	9.726	
3,500.00	3,456.05	3,485.57	3,458.81	9.77	9.27	122.32	299.20	-282.29	184.59	166.06	18.53	9.963	
3,600.00	3,554.05	3,585.17	3,557.30	10.04	9.47	122.98	310.36	-291.89	193.36	174.38	18.98	10.190	
3,700.00	3,652.04	3,684.76	3,655.80	10.31	9.68	123.58	321.53	-301.49	202.15	182.73	19.42	10.407	
3,800.00	3,750.04	3,784.35	3,754.30	10.57	9.88	124.13	332.69	-311.09	210.97	191.10	19.87	10.617	
3,900.00	3,848.03	3,883.94	3,852.79	10.84	10.09	124.64	343.86	-320.69	219.80	199.48	20.32	10.818	
4,000.00	3,946.02	3,983.53	3,951.29	11.11	10.29	125.11	355.02	-330.29	228.65	207.88	20.77	11.011	
4,100.00	4,044.02	4,083.12	4,049.78	11.37	10.50	125.54	366.18	-339.89	237.51	216.30	21.21	11.197	
4,200.00	4,142.01	4,182.71	4,148.28	11.64	10.70	125.95	377.35	-349.49	246.38	224.73	21.66	11.376	
4,300.00	4,240.01	4,282.30	4,246.78	11.91	10.91	126.32	388.51	-359.10	255.27	233.16	22.11	11.548	
4,400.00	4,338.00	4,381.89	4,345.27	12.18	11.11	126.67	399.68	-368.70	264.17	241.62	22.55	11.716	
4,500.00	4,435.99	4,480.16	4,442.59	12.45	11.31	127.18	410.00	-377.57	273.28	250.30	22.97	11.895	
4,600.00	4,533.99	4,577.95	4,539.75	12.72	11.52	128.15	418.40	-384.80	283.00	259.62	23.37	12.108	
4,700.00	4,631.98	4,675.32	4,636.74	12.99	11.71	129.52	424.89	-390.38	293.45	269.70	23.74	12.360	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,729.98	4,772.17	4,733.39	13.26	11.89	131.24	429.48	-394.33	304.78	280.70	24.08	12.658	
4,900.00	4,827.97	4,868.36	4,829.52	13.53	12.06	133.25	432.20	-396.67	317.18	292.79	24.39	13.006	
5,000.00	4,925.97	4,963.82	4,924.97	13.80	12.18	135.48	433.09	-397.43	330.84	306.20	24.64	13.424	
5,100.00	5,023.96	5,061.81	5,022.96	14.07	12.24	137.78	433.09	-397.43	345.47	320.57	24.90	13.876	
5,200.00	5,121.95	5,159.81	5,120.95	14.34	12.32	139.89	433.09	-397.43	360.60	335.44	25.17	14.328	
5,300.00	5,219.95	5,257.80	5,218.95	14.61	12.40	141.83	433.09	-397.43	376.19	350.75	25.44	14.788	
5,400.00	5,317.94	5,355.79	5,316.94	14.88	12.48	143.62	433.09	-397.43	392.16	366.45	25.71	15.251	
5,500.00	5,415.94	5,453.79	5,414.94	15.15	12.56	145.27	433.09	-397.43	408.49	382.50	25.99	15.718	
5,600.00	5,513.93	5,551.78	5,512.93	15.42	12.64	146.79	433.09	-397.43	425.12	398.85	26.27	16.185	
5,700.00	5,611.92	5,649.78	5,610.92	15.69	12.72	148.19	433.09	-397.43	442.02	415.48	26.54	16.652	
5,800.00	5,709.92	5,747.77	5,708.92	15.96	12.80	149.50	433.09	-397.43	459.17	432.35	26.82	17.117	
5,900.00	5,807.91	5,845.76	5,806.91	16.24	12.88	150.71	433.09	-397.43	476.54	449.43	27.11	17.578	
5,905.98	5,813.78	5,851.63	5,812.78	16.26	12.89	150.78	433.09	-397.43	477.58	450.45	27.13	17.605	
6,000.00	5,906.13	5,943.98	5,905.13	16.50	12.96	151.88	433.09	-397.43	493.09	465.69	27.39	18.000	
6,100.00	6,004.80	6,042.65	6,003.80	16.73	13.04	152.85	433.09	-397.43	507.50	479.82	27.68	18.337	
6,200.00	6,103.86	6,141.72	6,102.86	16.93	13.12	153.61	433.09	-397.43	519.69	491.74	27.95	18.593	
6,300.00	6,203.25	6,241.10	6,202.25	17.11	13.20	154.21	433.09	-397.43	529.61	501.40	28.22	18.769	
6,400.00	6,302.89	6,340.74	6,301.89	17.27	13.29	154.65	433.09	-397.43	537.22	508.75	28.48	18.866	
6,500.00	6,402.72	6,440.57	6,401.72	17.39	13.37	154.94	433.09	-397.43	542.49	513.77	28.72	18.888	
6,600.00	6,502.67	6,540.52	6,501.67	17.49	13.45	155.10	433.09	-397.43	545.39	516.44	28.95	18.839	
6,672.34	6,575.00	6,612.85	6,574.00	17.53	13.51	89.61	433.09	-397.43	546.01	516.95	29.06	18.787	
6,700.00	6,602.66	6,640.51	6,601.66	17.54	13.53	89.61	433.09	-397.43	546.01	516.92	29.09	18.768	
6,800.00	6,702.66	6,740.51	6,701.66	17.60	13.61	89.61	433.09	-397.43	546.01	516.78	29.23	18.680	
6,900.00	6,802.66	6,840.51	6,801.66	17.66	13.70	89.61	433.09	-397.43	546.01	516.64	29.37	18.591	
7,000.00	6,902.66	6,940.51	6,901.66	17.71	13.78	89.61	433.09	-397.43	546.01	516.50	29.51	18.504	
7,100.00	7,002.66	7,040.51	7,001.66	17.77	13.86	89.61	433.09	-397.43	546.01	516.37	29.65	18.417	
7,200.00	7,102.66	7,140.51	7,101.66	17.83	13.94	89.61	433.09	-397.43	546.01	516.23	29.79	18.331	
7,300.00	7,202.66	7,240.51	7,201.66	17.89	14.02	89.61	433.09	-397.43	546.01	516.09	29.93	18.246	
7,400.00	7,302.66	7,340.51	7,301.66	17.95	14.11	89.61	433.09	-397.43	546.01	515.95	30.06	18.161	
7,500.00	7,402.66	7,440.51	7,401.66	18.01	14.19	89.61	433.09	-397.43	546.01	515.81	30.20	18.077	
7,600.00	7,502.66	7,540.51	7,501.66	18.07	14.27	89.61	433.09	-397.43	546.01	515.67	30.34	17.994	
7,700.00	7,602.66	7,640.51	7,601.66	18.13	14.35	89.61	433.09	-397.43	546.01	515.53	30.48	17.911	
7,800.00	7,702.66	7,740.51	7,701.66	18.19	14.43	89.61	433.09	-397.43	546.01	515.39	30.63	17.829	
7,900.00	7,802.66	7,840.51	7,801.66	18.25	14.52	89.61	433.09	-397.43	546.01	515.25	30.77	17.748	
8,000.00	7,902.66	7,940.51	7,901.66	18.31	14.60	89.61	433.09	-397.43	546.01	515.11	30.91	17.667	
8,100.00	8,002.66	8,040.51	8,001.66	18.37	14.68	89.61	433.09	-397.43	546.01	514.97	31.05	17.586	
8,200.00	8,102.66	8,140.51	8,101.66	18.43	14.76	89.61	433.09	-397.43	546.01	514.82	31.19	17.507	
8,300.00	8,202.66	8,240.51	8,201.66	18.50	14.84	89.61	433.09	-397.43	546.01	514.68	31.33	17.428	
8,400.00	8,302.66	8,340.51	8,301.66	18.56	14.93	89.61	433.09	-397.43	546.01	514.54	31.47	17.350	
8,500.00	8,402.66	8,440.51	8,401.66	18.62	15.01	89.61	433.09	-397.43	546.01	514.40	31.61	17.272	
8,600.00	8,502.66	8,540.51	8,501.66	18.68	15.09	89.61	433.09	-397.43	546.01	514.26	31.75	17.195	
8,700.00	8,602.66	8,640.51	8,601.66	18.74	15.17	89.61	433.09	-397.43	546.01	514.12	31.90	17.118	
8,800.00	8,702.66	8,740.51	8,701.66	18.80	15.25	89.61	433.09	-397.43	546.01	513.97	32.04	17.042	
8,900.00	8,802.66	8,840.51	8,801.66	18.87	15.34	89.61	433.09	-397.43	546.01	513.83	32.18	16.967	
9,000.00	8,902.66	8,940.51	8,901.66	18.93	15.42	89.61	433.09	-397.43	546.01	513.69	32.32	16.892	
9,100.00	9,002.66	9,040.51	9,001.66	18.99	15.50	89.61	433.09	-397.43	546.01	513.55	32.47	16.818	
9,200.00	9,102.66	9,140.51	9,101.66	19.05	15.58	89.61	433.09	-397.43	546.01	513.40	32.61	16.744	
9,300.00	9,202.66	9,240.51	9,201.66	19.12	15.67	89.61	433.09	-397.43	546.01	513.26	32.75	16.671	
9,400.00	9,302.66	9,340.51	9,301.66	19.18	15.75	89.61	433.09	-397.43	546.01	513.12	32.90	16.598	
9,500.00	9,402.66	9,440.51	9,401.66	19.24	15.83	89.61	433.09	-397.43	546.01	512.97	33.04	16.526	
9,600.00	9,502.66	9,540.51	9,501.66	19.30	15.91	89.61	433.09	-397.43	546.01	512.83	33.18	16.455	
9,700.00	9,602.66	9,640.51	9,601.66	19.37	15.99	89.61	433.09	-397.43	546.01	512.69	33.33	16.384	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,702.66	9,740.51	9,701.66	19.43	16.08	89.61	433.09	-397.43	546.01	512.54	33.47	16.313	
9,900.00	9,802.66	9,840.51	9,801.66	19.49	16.16	89.61	433.09	-397.43	546.01	512.40	33.61	16.243	
10,000.00	9,902.66	9,940.51	9,901.66	19.56	16.24	89.61	433.09	-397.43	546.01	512.25	33.76	16.174	
10,100.00	10,002.66	10,040.51	10,001.66	19.62	16.32	89.61	433.09	-397.43	546.01	512.11	33.90	16.105	
10,200.00	10,102.66	10,140.51	10,101.66	19.69	16.40	89.61	433.09	-397.43	546.01	511.96	34.05	16.037	
10,300.00	10,202.66	10,240.51	10,201.66	19.75	16.49	89.61	433.09	-397.43	546.01	511.82	34.19	15.969	
10,400.00	10,302.66	10,340.51	10,301.66	19.81	16.57	89.61	433.09	-397.43	546.01	511.68	34.34	15.901	
10,500.00	10,402.66	10,440.51	10,401.66	19.88	16.65	89.61	433.09	-397.43	546.01	511.53	34.48	15.835	
10,600.00	10,502.66	10,540.51	10,501.66	19.94	16.73	89.61	433.09	-397.43	546.01	511.39	34.63	15.768	
10,700.00	10,602.66	10,640.51	10,601.66	20.01	16.82	89.61	433.09	-397.43	546.01	511.24	34.77	15.702	
10,800.00	10,702.66	10,740.51	10,701.66	20.07	16.90	89.61	433.09	-397.43	546.01	511.09	34.92	15.637	
10,900.00	10,802.66	10,840.51	10,801.66	20.14	16.98	89.61	433.09	-397.43	546.01	510.95	35.06	15.572	
11,000.00	10,902.66	10,940.51	10,901.66	20.20	17.06	89.61	433.09	-397.43	546.01	510.80	35.21	15.508	
11,100.00	11,002.66	11,040.51	11,001.66	20.27	17.14	89.61	433.09	-397.43	546.01	510.66	35.36	15.444	
11,175.34	11,078.00	11,115.85	11,077.00	20.31	17.21	89.61	433.09	-397.43	546.01	510.56	35.46	15.400	
11,200.00	11,102.65	11,140.51	11,101.65	20.31	17.23	-89.95	433.09	-397.43	546.01	510.54	35.48	15.391	
11,208.87	11,111.51	11,149.37	11,110.51	20.31	17.23	-90.00	433.09	-397.43	546.01	510.53	35.48	15.390	
11,250.00	11,152.45	11,190.30	11,151.45	20.33	17.27	-90.40	433.09	-397.43	546.03	510.53	35.50	15.382	
11,300.00	11,201.68	11,239.53	11,200.68	20.35	17.31	-91.28	433.09	-397.43	546.16	510.65	35.51	15.381	
11,350.00	11,249.97	11,287.82	11,248.97	20.35	17.35	-92.54	433.09	-397.43	546.60	511.10	35.51	15.393	
11,400.00	11,296.95	11,334.80	11,295.95	20.35	17.39	-94.11	433.09	-397.43	547.66	512.17	35.50	15.428	
11,450.00	11,342.26	11,380.11	11,341.26	20.35	17.42	-95.90	433.09	-397.43	549.70	514.22	35.48	15.494	
11,500.00	11,385.56	11,423.42	11,384.56	20.34	17.46	-97.79	433.09	-397.43	553.15	517.70	35.45	15.603	
11,550.00	11,426.53	11,464.38	11,425.53	20.33	17.49	-99.67	433.09	-397.43	558.45	523.03	35.42	15.767	
11,600.00	11,464.83	11,502.69	11,463.83	20.33	17.52	-101.41	433.09	-397.43	566.06	530.68	35.38	15.998	
11,650.00	11,500.20	11,538.05	11,499.20	20.34	17.55	-102.88	433.09	-397.43	576.39	541.04	35.35	16.307	
11,700.00	11,532.35	11,570.20	11,531.35	20.35	17.58	-103.97	433.09	-397.43	589.76	554.45	35.31	16.703	
11,750.00	11,561.05	11,598.90	11,560.05	20.38	17.60	-104.57	433.09	-397.43	606.42	571.14	35.27	17.192	
11,800.00	11,586.06	11,623.92	11,585.06	20.42	17.62	-104.57	433.09	-397.43	626.46	591.22	35.24	17.778	
11,850.00	11,607.21	11,645.07	11,606.21	20.48	17.64	-103.89	433.09	-397.43	649.86	614.65	35.21	18.459	
11,900.00	11,624.34	11,662.19	11,623.34	20.56	17.65	-102.43	433.09	-397.43	676.48	641.30	35.18	19.231	
11,950.00	11,637.30	11,675.16	11,636.30	20.66	17.66	-100.09	433.09	-397.43	706.05	670.90	35.15	20.089	
12,000.00	11,646.01	11,683.86	11,645.01	20.77	17.67	-96.80	433.09	-397.43	738.24	703.12	35.12	21.022	
12,050.00	11,650.40	11,688.25	11,649.40	20.91	17.68	-92.53	433.09	-397.43	772.63	737.54	35.09	22.019	
12,070.38	11,650.94	11,688.79	11,649.94	20.97	17.68	-90.52	433.09	-397.43	787.17	752.09	35.08	22.441	
12,100.00	11,651.19	11,689.05	11,650.19	21.07	17.68	-90.54	433.09	-397.43	808.77	773.71	35.06	23.069	
12,200.00	11,652.06	11,689.91	11,651.06	21.42	17.68	-90.63	433.09	-397.43	885.11	850.09	35.02	25.273	
12,300.00	11,652.93	11,690.78	11,651.93	21.84	17.68	-90.72	433.09	-397.43	965.79	930.79	35.00	27.592	
12,400.00	11,653.79	13,192.02	12,512.74	22.31	19.18	-147.59	-455.99	-389.78	1,018.68	968.39	50.28	20.259	
12,500.00	11,654.66	13,292.02	12,513.61	22.84	19.58	-147.59	-555.99	-388.91	1,018.68	967.93	50.75	20.071	
12,600.00	11,655.52	13,392.02	12,514.49	23.42	20.07	-147.59	-655.98	-388.05	1,018.69	967.41	51.27	19.868	
12,700.00	11,656.39	13,492.02	12,515.36	24.05	20.65	-147.59	-755.97	-387.19	1,018.69	966.85	51.84	19.650	
12,800.00	11,657.26	13,592.02	12,516.23	24.73	21.31	-147.59	-855.96	-386.33	1,018.70	966.25	52.45	19.421	
12,900.00	11,658.12	13,692.02	12,517.11	25.46	22.06	-147.59	-955.96	-385.47	1,018.71	965.59	53.11	19.180	
13,000.00	11,658.99	13,792.02	12,517.98	26.23	22.86	-147.59	-1,055.95	-384.61	1,018.71	964.90	53.81	18.931	
13,100.00	11,659.85	13,892.02	12,518.85	27.05	23.73	-147.59	-1,155.94	-383.75	1,018.72	964.16	54.55	18.673	
13,200.00	11,660.72	13,992.02	12,519.73	27.90	24.65	-147.59	-1,255.93	-382.89	1,018.73	963.39	55.34	18.410	
13,300.00	11,661.59	14,092.02	12,520.60	28.80	25.62	-147.59	-1,355.93	-382.03	1,018.73	962.58	56.16	18.141	
13,400.00	11,662.45	14,192.02	12,521.47	29.73	26.62	-147.59	-1,455.92	-381.17	1,018.74	961.73	57.01	17.869	
13,500.00	11,663.32	14,292.02	12,522.35	30.69	27.66	-147.59	-1,555.91	-380.31	1,018.74	960.84	57.90	17.595	
13,600.00	11,664.18	14,392.02	12,523.22	31.67	28.73	-147.59	-1,655.90	-379.44	1,018.75	959.93	58.82	17.319	
13,700.00	11,665.05	14,492.02	12,524.09	32.69	29.83	-147.59	-1,755.90	-378.58	1,018.76	958.98	59.78	17.042	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	11,665.92	14,592.02	12,524.97	33.73	30.95	-147.59	-1,855.89	-377.72	1,018.76	958.00	60.76	16.766	
13,900.00	11,666.78	14,692.02	12,525.84	34.79	32.09	-147.59	-1,955.88	-376.86	1,018.77	956.99	61.78	16.491	
14,000.00	11,667.65	14,792.02	12,526.71	35.88	33.24	-147.59	-2,055.87	-376.00	1,018.78	955.96	62.82	16.218	
14,100.00	11,668.51	14,892.02	12,527.59	36.98	34.42	-147.59	-2,155.87	-375.14	1,018.78	954.90	63.88	15.948	
14,200.00	11,669.38	14,992.02	12,528.46	38.10	35.61	-147.59	-2,255.86	-374.28	1,018.79	953.81	64.97	15.680	
14,300.00	11,670.24	15,092.02	12,529.33	39.23	36.81	-147.59	-2,355.85	-373.42	1,018.79	952.71	66.09	15.416	
14,400.00	11,671.11	15,192.02	12,530.21	40.38	38.02	-147.59	-2,455.84	-372.56	1,018.80	951.58	67.22	15.155	
14,500.00	11,671.98	15,292.02	12,531.08	41.55	39.25	-147.59	-2,555.84	-371.70	1,018.81	950.42	68.38	14.899	
14,600.00	11,672.84	15,392.02	12,531.95	42.72	40.48	-147.59	-2,655.83	-370.83	1,018.81	949.25	69.56	14.646	
14,700.00	11,673.71	15,492.02	12,532.83	43.91	41.73	-147.59	-2,755.82	-369.97	1,018.82	948.06	70.76	14.399	
14,800.00	11,674.57	15,592.02	12,533.70	45.11	42.98	-147.59	-2,855.81	-369.11	1,018.83	946.85	71.97	14.156	
14,900.00	11,675.44	15,692.02	12,534.57	46.32	44.23	-147.59	-2,955.80	-368.25	1,018.83	945.63	73.20	13.918	
15,000.00	11,676.31	15,792.02	12,535.45	47.53	45.50	-147.59	-3,055.80	-367.39	1,018.84	944.38	74.45	13.684	
15,100.00	11,677.17	15,892.02	12,536.32	48.76	46.77	-147.59	-3,155.79	-366.53	1,018.84	943.13	75.72	13.456	
15,200.00	11,678.04	15,992.02	12,537.19	49.99	48.05	-147.59	-3,255.78	-365.67	1,018.85	941.85	77.00	13.233	
15,300.00	11,678.90	16,092.02	12,538.06	51.23	49.33	-147.59	-3,355.77	-364.81	1,018.86	940.57	78.29	13.014	
15,400.00	11,679.77	16,192.02	12,538.94	52.47	50.62	-147.59	-3,455.77	-363.95	1,018.86	939.27	79.60	12.801	
15,500.00	11,680.64	16,292.02	12,539.81	53.73	51.91	-147.59	-3,555.76	-363.09	1,018.87	937.95	80.91	12.592	
15,600.00	11,681.50	16,392.02	12,540.68	54.98	53.20	-147.59	-3,655.75	-362.23	1,018.87	936.63	82.25	12.388	
15,700.00	11,682.37	16,492.02	12,541.56	56.25	54.50	-147.59	-3,755.74	-361.36	1,018.88	935.29	83.59	12.189	
15,800.00	11,683.23	16,592.02	12,542.43	57.52	55.80	-147.60	-3,855.74	-360.50	1,018.89	933.94	84.94	11.995	
15,900.00	11,684.10	16,692.02	12,543.30	58.79	57.11	-147.60	-3,955.73	-359.64	1,018.89	932.59	86.31	11.805	
16,000.00	11,684.97	16,792.02	12,544.18	60.06	58.41	-147.60	-4,055.72	-358.78	1,018.90	931.22	87.68	11.620	
16,100.00	11,685.83	16,892.02	12,545.05	61.35	59.73	-147.60	-4,155.71	-357.92	1,018.91	929.84	89.07	11.440	
16,200.00	11,686.70	16,992.02	12,545.92	62.63	61.04	-147.60	-4,255.71	-357.06	1,018.91	928.45	90.46	11.264	
16,300.00	11,687.56	17,092.02	12,546.80	63.92	62.36	-147.60	-4,355.70	-356.20	1,018.92	927.06	91.86	11.092	
16,400.00	11,688.43	17,192.02	12,547.67	65.21	63.67	-147.60	-4,455.69	-355.34	1,018.92	925.65	93.27	10.925	
16,500.00	11,689.30	17,292.02	12,548.54	66.51	64.99	-147.60	-4,555.68	-354.48	1,018.93	924.24	94.69	10.761	
16,600.00	11,690.16	17,392.02	12,549.42	67.80	66.32	-147.60	-4,655.68	-353.62	1,018.94	922.82	96.11	10.601	
16,700.00	11,691.03	17,492.02	12,550.29	69.10	67.64	-147.60	-4,755.67	-352.76	1,018.94	921.40	97.55	10.446	
16,800.00	11,691.89	17,592.02	12,551.16	70.41	68.97	-147.60	-4,855.66	-351.89	1,018.95	919.96	98.99	10.294	
16,900.00	11,692.76	17,692.02	12,552.04	71.71	70.30	-147.60	-4,955.65	-351.03	1,018.96	918.52	100.43	10.146	
17,000.00	11,693.63	17,792.02	12,552.91	73.02	71.63	-147.60	-5,055.65	-350.17	1,018.96	917.08	101.88	10.001	
17,100.00	11,694.49	17,892.02	12,553.78	74.33	72.96	-147.60	-5,155.64	-349.31	1,018.97	915.63	103.34	9.860	
17,200.00	11,695.36	17,992.02	12,554.66	75.64	74.29	-147.60	-5,255.63	-348.45	1,018.97	914.17	104.81	9.722	
17,300.00	11,696.22	18,092.02	12,555.53	76.96	75.62	-147.60	-5,355.62	-347.59	1,018.98	912.70	106.28	9.588	
17,400.00	11,697.09	18,192.02	12,556.40	78.28	76.96	-147.60	-5,455.62	-346.73	1,018.99	911.23	107.75	9.457	
17,500.00	11,697.96	18,292.02	12,557.28	79.59	78.29	-147.60	-5,555.61	-345.87	1,018.99	909.76	109.23	9.329	
17,600.00	11,698.82	18,392.02	12,558.15	80.91	79.63	-147.60	-5,655.60	-345.01	1,019.00	908.28	110.72	9.204	
17,700.00	11,699.69	18,492.02	12,559.02	82.24	80.97	-147.60	-5,755.59	-344.15	1,019.01	906.80	112.21	9.081	
17,800.00	11,700.55	18,592.02	12,559.90	83.56	82.31	-147.60	-5,855.59	-343.29	1,019.01	905.31	113.70	8.962	
17,900.00	11,701.42	18,692.02	12,560.77	84.88	83.65	-147.60	-5,955.58	-342.42	1,019.02	903.82	115.20	8.846	
18,000.00	11,702.29	18,792.02	12,561.64	86.21	84.99	-147.60	-6,055.57	-341.56	1,019.02	902.32	116.70	8.732	
18,100.00	11,703.15	18,892.02	12,562.52	87.54	86.34	-147.60	-6,155.56	-340.70	1,019.03	900.82	118.21	8.620	
18,200.00	11,704.02	18,992.02	12,563.39	88.87	87.68	-147.60	-6,255.56	-339.84	1,019.04	899.31	119.72	8.512	
18,300.00	11,704.88	19,092.02	12,564.26	90.20	89.02	-147.60	-6,355.55	-338.98	1,019.04	897.80	121.24	8.405	
18,400.00	11,705.75	19,192.02	12,565.14	91.53	90.37	-147.60	-6,455.54	-338.12	1,019.05	896.29	122.76	8.301	
18,500.00	11,706.62	19,292.02	12,566.01	92.86	91.71	-147.60	-6,555.53	-337.26	1,019.06	894.78	124.28	8.200	
18,600.00	11,707.48	19,392.02	12,566.88	94.19	93.06	-147.60	-6,655.53	-336.40	1,019.06	893.26	125.80	8.100	
18,700.00	11,708.35	19,492.02	12,567.75	95.53	94.41	-147.60	-6,755.52	-335.54	1,019.07	891.74	127.33	8.003	
18,800.00	11,709.21	19,592.02	12,568.63	96.87	95.75	-147.60	-6,855.51	-334.68	1,019.07	890.21	128.86	7.908	
18,900.00	11,710.08	19,692.02	12,569.50	98.20	97.10	-147.60	-6,955.50	-333.82	1,019.08	888.68	130.40	7.815	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
19,000.00	11,710.95	19,792.02	12,570.37	99.54	98.45	-147.60	-7,055.50	-332.95	1,019.09	887.15	131.94	7.724	
19,100.00	11,711.81	19,892.02	12,571.25	100.88	99.80	-147.60	-7,155.49	-332.09	1,019.09	885.62	133.48	7.635	
19,200.00	11,712.68	19,992.02	12,572.12	102.22	101.15	-147.60	-7,255.48	-331.23	1,019.10	884.08	135.02	7.548	
19,300.00	11,713.54	20,092.02	12,572.99	103.56	102.50	-147.60	-7,355.47	-330.37	1,019.10	882.54	136.56	7.462	
19,400.00	11,714.41	20,192.02	12,573.87	104.90	103.85	-147.60	-7,455.47	-329.51	1,019.11	881.00	138.11	7.379	
19,500.00	11,715.28	20,292.02	12,574.74	106.24	105.20	-147.60	-7,555.46	-328.65	1,019.12	879.45	139.66	7.297	
19,600.00	11,716.14	20,392.02	12,575.61	107.58	106.56	-147.60	-7,655.45	-327.79	1,019.12	877.91	141.22	7.217	
19,700.00	11,717.01	20,492.02	12,576.49	108.92	107.91	-147.60	-7,755.44	-326.93	1,019.13	876.36	142.77	7.138	
19,800.00	11,717.87	20,592.02	12,577.36	110.27	109.26	-147.60	-7,855.44	-326.07	1,019.14	874.81	144.33	7.061	
19,900.00	11,718.74	20,692.02	12,578.23	111.61	110.62	-147.60	-7,955.43	-325.21	1,019.14	873.25	145.89	6.986	
20,000.00	11,719.61	20,792.02	12,579.11	112.96	111.97	-147.60	-8,055.42	-324.35	1,019.15	871.70	147.45	6.912	
20,100.00	11,720.47	20,892.02	12,579.98	114.30	113.32	-147.60	-8,155.41	-323.48	1,019.15	870.14	149.01	6.839	
20,200.00	11,721.34	20,992.02	12,580.85	115.65	114.68	-147.60	-8,255.41	-322.62	1,019.16	868.58	150.58	6.768	
20,300.00	11,722.20	21,092.02	12,581.73	117.00	116.03	-147.60	-8,355.40	-321.76	1,019.17	867.02	152.15	6.699	
20,400.00	11,723.07	21,192.02	12,582.60	118.34	117.39	-147.60	-8,455.39	-320.90	1,019.17	865.46	153.72	6.630	
20,500.00	11,723.94	21,292.02	12,583.47	119.69	118.74	-147.61	-8,555.38	-320.04	1,019.18	863.89	155.29	6.563	
20,600.00	11,724.80	21,392.02	12,584.35	121.04	120.10	-147.61	-8,655.38	-319.18	1,019.19	862.33	156.86	6.497	
20,700.00	11,725.67	21,492.02	12,585.22	122.39	121.46	-147.61	-8,755.37	-318.32	1,019.19	860.76	158.43	6.433	
20,800.00	11,726.53	21,592.02	12,586.09	123.74	122.81	-147.61	-8,855.36	-317.46	1,019.20	859.19	160.01	6.370	
20,900.00	11,727.40	21,692.02	12,586.97	125.09	124.17	-147.61	-8,955.35	-316.60	1,019.20	857.62	161.59	6.307	
21,000.00	11,728.27	21,792.02	12,587.84	126.44	125.53	-147.61	-9,055.35	-315.74	1,019.21	856.05	163.17	6.246	
21,100.00	11,729.13	21,892.02	12,588.71	127.79	126.88	-147.61	-9,155.34	-314.88	1,019.22	854.47	164.75	6.187	
21,200.00	11,730.00	21,992.02	12,589.59	129.14	128.24	-147.61	-9,255.33	-314.01	1,019.22	852.90	166.33	6.128	
21,300.00	11,730.86	22,092.02	12,590.46	130.49	129.60	-147.61	-9,355.32	-313.15	1,019.23	851.32	167.91	6.070	
21,400.00	11,731.73	22,192.02	12,591.33	131.84	130.96	-147.61	-9,455.32	-312.29	1,019.24	849.74	169.50	6.013	
21,500.00	11,732.60	22,292.02	12,592.21	133.19	132.32	-147.61	-9,555.31	-311.43	1,019.24	848.16	171.08	5.958	
21,600.00	11,733.46	22,392.02	12,593.08	134.54	133.67	-147.61	-9,655.30	-310.57	1,019.25	846.58	172.67	5.903	
21,700.00	11,734.33	22,492.02	12,593.95	135.90	135.03	-147.61	-9,755.29	-309.71	1,019.25	845.00	174.26	5.849	
21,800.00	11,735.19	22,592.02	12,594.83	137.25	136.39	-147.61	-9,855.29	-308.85	1,019.26	843.41	175.85	5.796	
21,900.00	11,736.06	22,692.02	12,595.70	138.60	137.75	-147.61	-9,955.28	-307.99	1,019.27	841.83	177.44	5.744	
22,000.00	11,736.93	22,792.02	12,596.57	139.96	139.11	-147.61	-10,055.27	-307.13	1,019.27	840.24	179.03	5.693	
22,008.51	11,737.00	22,800.54	12,596.65	140.07	139.23	-147.61	-10,063.78	-307.05	1,019.27	840.11	179.17	5.689	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	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	599.99	599.99	599.99	2.98	2.91	58.18	185.00	-25.00	185.99	180.15	5.84	31.868	
700.00	699.91	699.91	699.91	3.29	3.16	59.25	185.00	-25.00	183.95	177.59	6.35	28.951	
800.00	799.69	799.69	799.69	3.58	3.40	61.07	185.00	-25.00	180.69	173.85	6.83	26.436	
833.33	832.91	832.91	832.91	3.60	3.47	61.86	185.00	-25.00	179.37	172.43	6.93	25.875	
900.00	899.32	899.32	899.32	3.70	3.62	63.51	185.00	-25.00	176.69	169.52	7.17	24.646	
1,000.00	998.94	998.97	998.97	3.92	3.76	66.11	185.00	-24.95	172.97	165.44	7.52	22.992	
1,100.00	1,098.56	1,098.42	1,098.40	4.14	4.00	69.39	184.94	-23.17	169.66	161.74	7.92	21.425	
1,200.00	1,198.18	1,197.29	1,197.17	4.36	4.23	73.64	184.78	-18.82	167.19	158.88	8.31	20.126	
1,201.83	1,200.00	1,199.09	1,198.97	4.36	4.23	73.72	184.78	-18.72	167.15	158.84	8.31	20.105	
1,300.00	1,297.68	1,295.25	1,294.89	4.60	4.45	79.22	184.55	-12.01	165.92	157.24	8.68	19.111	
1,318.10	1,315.66	1,312.84	1,312.42	4.65	4.47	80.41	184.49	-10.52	165.88	157.15	8.73	18.999	CC, ES
1,400.00	1,396.88	1,392.90	1,392.18	4.86	4.59	86.19	184.25	-3.54	166.63	157.61	9.02	18.474	
1,500.00	1,495.72	1,490.14	1,489.05	5.10	4.76	93.79	183.95	4.93	170.06	160.65	9.41	18.064	
1,600.00	1,594.13	1,586.75	1,585.29	5.35	4.93	101.66	183.66	13.34	177.05	167.21	9.83	18.005	
1,634.85	1,628.31	1,620.25	1,618.66	5.39	4.99	104.40	183.56	16.26	180.44	170.49	9.95	18.136	
1,700.00	1,692.16	1,682.81	1,680.98	5.49	5.11	109.41	183.37	21.71	188.03	177.83	10.20	18.441	
1,800.00	1,790.15	1,778.83	1,776.63	5.70	5.28	116.33	183.08	30.07	202.33	191.70	10.64	19.022	
1,900.00	1,888.15	1,874.84	1,872.28	5.90	5.45	122.30	182.78	38.44	219.28	208.21	11.07	19.807	
2,000.00	1,986.14	1,970.86	1,967.93	6.11	5.62	127.42	182.49	46.80	238.31	226.81	11.50	20.730	
2,100.00	2,084.14	2,066.87	2,063.58	6.32	5.79	131.77	182.20	55.16	258.96	247.05	11.91	21.740	
2,200.00	2,182.13	2,162.89	2,159.24	6.53	5.97	135.49	181.91	63.53	280.87	268.55	12.32	22.790	
2,300.00	2,280.12	2,254.91	2,250.88	6.75	6.14	138.53	181.78	71.84	304.14	291.43	12.72	23.918	
2,400.00	2,378.12	2,343.24	2,338.68	6.97	6.32	140.99	182.50	81.50	330.15	317.06	13.09	25.223	
2,500.00	2,476.11	2,430.58	2,425.26	7.20	6.50	143.00	184.11	92.82	358.84	345.38	13.46	26.663	
2,600.00	2,574.11	2,516.85	2,510.52	7.44	6.68	144.63	186.58	105.74	390.00	376.18	13.82	28.223	
2,700.00	2,672.10	2,600.00	2,592.40	7.69	6.85	145.91	189.79	119.82	423.46	409.30	14.16	29.915	
2,800.00	2,770.10	2,685.93	2,676.68	7.94	7.04	146.96	193.95	136.03	459.05	444.53	14.51	31.630	
2,900.00	2,868.09	2,768.62	2,757.42	8.20	7.21	147.76	198.77	153.22	496.67	481.83	14.85	33.449	
3,000.00	2,966.08	2,850.01	2,836.50	8.46	7.39	148.38	204.29	171.66	536.23	521.05	15.18	35.333	
3,100.00	3,064.08	2,934.48	2,918.17	8.72	7.56	148.87	210.75	192.24	577.50	561.98	15.52	37.206	
3,200.00	3,162.07	3,025.31	3,005.90	8.98	7.73	149.32	217.85	214.65	619.13	603.22	15.91	38.919	
3,300.00	3,260.07	3,116.13	3,093.63	9.25	7.90	149.71	224.95	237.06	660.78	644.49	16.30	40.547	
3,400.00	3,358.06	3,206.95	3,181.36	9.51	8.08	150.06	232.05	259.48	702.46	685.77	16.69	42.095	
3,500.00	3,456.05	3,297.78	3,269.09	9.77	8.26	150.37	239.15	281.89	744.16	727.08	17.08	43.568	
3,600.00	3,554.05	3,388.60	3,356.82	10.04	8.48	150.64	246.24	304.30	785.87	768.39	17.48	44.969	
3,700.00	3,652.04	3,479.43	3,444.55	10.31	8.74	150.89	253.34	326.71	827.59	809.72	17.87	46.305	
3,800.00	3,750.04	3,570.25	3,532.27	10.57	9.00	151.11	260.44	349.12	869.33	851.06	18.27	47.579	
3,900.00	3,848.03	3,661.07	3,620.00	10.84	9.26	151.31	267.54	371.53	911.08	892.41	18.67	48.794	
4,000.00	3,946.02	3,751.90	3,707.73	11.11	9.53	151.50	274.64	393.94	952.83	933.76	19.07	49.954	
4,100.00	4,044.02	3,842.72	3,795.46	11.37	9.80	151.67	281.73	416.35	994.60	975.12	19.48	51.062	
4,200.00	4,142.01	3,933.55	3,883.19	11.64	10.08	151.82	288.83	438.76	1,036.37	1,016.48	19.88	52.122	
4,300.00	4,240.01	4,024.37	3,970.92	11.91	10.35	151.97	295.93	461.18	1,078.14	1,057.85	20.29	53.136	
4,400.00	4,338.00	4,115.19	4,058.65	12.18	10.63	152.10	303.03	483.59	1,119.92	1,099.22	20.70	54.106	
4,500.00	4,435.99	4,206.02	4,146.38	12.45	10.91	152.22	310.13	506.00	1,161.71	1,140.60	21.11	55.035	
4,600.00	4,533.99	4,296.84	4,234.11	12.72	11.20	152.34	317.23	528.41	1,203.50	1,181.98	21.52	55.926	
4,700.00	4,631.98	4,387.67	4,321.83	12.99	11.48	152.44	324.32	550.82	1,245.29	1,223.36	21.93	56.780	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,729.98	4,478.49	4,409.56	13.26	11.77	152.54	331.42	573.23	1,287.09	1,264.74	22.35	57.600	
4,900.00	4,827.97	4,569.31	4,497.29	13.53	12.06	152.64	338.52	595.64	1,328.89	1,306.13	22.76	58.387	
5,000.00	4,925.97	4,660.14	4,585.02	13.80	12.35	152.73	345.62	618.05	1,370.69	1,347.51	23.18	59.144	
5,100.00	5,023.96	4,750.96	4,672.75	14.07	12.64	152.81	352.72	640.47	1,412.49	1,388.90	23.59	59.870	
5,200.00	5,121.95	4,841.79	4,760.48	14.34	12.94	152.89	359.82	662.88	1,454.30	1,430.29	24.01	60.570	
5,300.00	5,219.95	4,932.61	4,848.21	14.61	13.23	152.96	366.91	685.29	1,496.11	1,471.68	24.43	61.242	
5,400.00	5,317.94	5,023.43	4,935.94	14.88	13.53	153.03	374.01	707.70	1,537.92	1,513.07	24.85	61.890	
5,500.00	5,415.94	5,114.26	5,023.67	15.15	13.82	153.10	381.11	730.11	1,579.74	1,554.47	25.27	62.514	
5,600.00	5,513.93	5,205.08	5,111.39	15.42	14.12	153.16	388.21	752.52	1,621.55	1,595.86	25.69	63.115	
5,700.00	5,611.92	5,295.91	5,199.12	15.69	14.42	153.22	395.31	774.93	1,663.37	1,637.25	26.11	63.695	
5,800.00	5,709.92	5,386.73	5,286.85	15.96	14.71	153.28	402.40	797.34	1,705.18	1,678.65	26.53	64.268	
5,900.00	5,807.91	5,544.73	5,440.22	16.24	15.20	153.40	413.85	833.49	1,745.34	1,718.07	27.27	63.999	
5,905.98	5,813.78	5,554.57	5,449.83	16.26	15.23	153.41	414.50	835.54	1,747.63	1,720.31	27.32	63.978	
6,000.00	5,906.13	5,712.35	5,604.50	16.50	15.65	153.79	423.89	865.19	1,780.73	1,752.73	28.01	63.584	
6,100.00	6,004.80	5,886.26	5,776.31	16.73	16.04	154.15	432.00	890.78	1,809.85	1,781.15	28.70	63.063	
6,200.00	6,103.86	6,065.40	5,954.37	16.93	16.35	154.46	437.87	909.32	1,832.43	1,803.10	29.33	62.466	
6,300.00	6,203.25	6,248.51	6,137.12	17.11	16.58	154.74	441.26	920.03	1,848.24	1,818.35	29.89	61.826	
6,400.00	6,302.89	6,414.31	6,302.89	17.27	16.71	154.96	442.07	922.58	1,857.25	1,826.99	30.26	61.370	
6,500.00	6,402.72	6,514.14	6,402.72	17.39	16.77	155.07	442.07	922.58	1,862.53	1,832.04	30.49	61.086	
6,600.00	6,502.67	6,614.09	6,502.67	17.49	16.83	155.13	442.07	922.58	1,865.43	1,834.73	30.70	60.764	
6,672.34	6,575.00	6,686.42	6,575.00	17.53	16.87	89.61	442.07	922.58	1,866.05	1,835.26	30.80	60.590	
6,700.00	6,602.66	6,714.08	6,602.66	17.54	16.89	89.61	442.07	922.58	1,866.05	1,835.23	30.82	60.546	
6,800.00	6,702.66	6,814.08	6,702.66	17.60	16.95	89.61	442.07	922.58	1,866.05	1,835.12	30.94	60.317	
6,900.00	6,802.66	6,914.08	6,802.66	17.66	17.00	89.61	442.07	922.58	1,866.05	1,835.00	31.05	60.089	
7,000.00	6,902.66	7,014.08	6,902.66	17.71	17.06	89.61	442.07	922.58	1,866.05	1,834.88	31.17	59.862	
7,100.00	7,002.66	7,114.08	7,002.66	17.77	17.12	89.61	442.07	922.58	1,866.05	1,834.76	31.29	59.636	
7,200.00	7,102.66	7,214.08	7,102.66	17.83	17.18	89.61	442.07	922.58	1,866.05	1,834.64	31.41	59.411	
7,300.00	7,202.66	7,314.08	7,202.66	17.89	17.24	89.61	442.07	922.58	1,866.05	1,834.53	31.53	59.187	
7,400.00	7,302.66	7,414.08	7,302.66	17.95	17.30	89.61	442.07	922.58	1,866.05	1,834.41	31.65	58.964	
7,500.00	7,402.66	7,514.08	7,402.66	18.01	17.36	89.61	442.07	922.58	1,866.05	1,834.29	31.77	58.742	
7,600.00	7,502.66	7,614.08	7,502.66	18.07	17.42	89.61	442.07	922.58	1,866.05	1,834.17	31.89	58.521	
7,700.00	7,602.66	7,714.08	7,602.66	18.13	17.48	89.61	442.07	922.58	1,866.05	1,834.05	32.01	58.300	
7,800.00	7,702.66	7,814.08	7,702.66	18.19	17.54	89.61	442.07	922.58	1,866.05	1,833.92	32.13	58.081	
7,900.00	7,802.66	7,914.08	7,802.66	18.25	17.60	89.61	442.07	922.58	1,866.05	1,833.80	32.25	57.863	
8,000.00	7,902.66	8,014.08	7,902.66	18.31	17.66	89.61	442.07	922.58	1,866.05	1,833.68	32.37	57.645	
8,100.00	8,002.66	8,114.08	8,002.66	18.37	17.72	89.61	442.07	922.58	1,866.05	1,833.56	32.49	57.429	
8,200.00	8,102.66	8,214.08	8,102.66	18.43	17.78	89.61	442.07	922.58	1,866.05	1,833.44	32.62	57.214	
8,300.00	8,202.66	8,314.08	8,202.66	18.50	17.84	89.61	442.07	922.58	1,866.05	1,833.32	32.74	56.999	
8,400.00	8,302.66	8,414.08	8,302.66	18.56	17.90	89.61	442.07	922.58	1,866.05	1,833.19	32.86	56.786	
8,500.00	8,402.66	8,514.08	8,402.66	18.62	17.96	89.61	442.07	922.58	1,866.05	1,833.07	32.98	56.573	
8,600.00	8,502.66	8,614.08	8,502.66	18.68	18.02	89.61	442.07	922.58	1,866.05	1,832.94	33.11	56.362	
8,700.00	8,602.66	8,714.08	8,602.66	18.74	18.09	89.61	442.07	922.58	1,866.05	1,832.82	33.23	56.152	
8,800.00	8,702.66	8,814.08	8,702.66	18.80	18.15	89.61	442.07	922.58	1,866.05	1,832.70	33.36	55.942	
8,900.00	8,802.66	8,914.08	8,802.66	18.87	18.21	89.61	442.07	922.58	1,866.05	1,832.57	33.48	55.734	
9,000.00	8,902.66	9,014.08	8,902.66	18.93	18.27	89.61	442.07	922.58	1,866.05	1,832.45	33.61	55.526	
9,100.00	9,002.66	9,114.08	9,002.66	18.99	18.33	89.61	442.07	922.58	1,866.05	1,832.32	33.73	55.320	
9,200.00	9,102.66	9,214.08	9,102.66	19.05	18.40	89.61	442.07	922.58	1,866.05	1,832.20	33.86	55.115	
9,300.00	9,202.66	9,314.08	9,202.66	19.12	18.46	89.61	442.07	922.58	1,866.05	1,832.07	33.98	54.910	
9,400.00	9,302.66	9,414.08	9,302.66	19.18	18.52	89.61	442.07	922.58	1,866.05	1,831.94	34.11	54.707	
9,500.00	9,402.66	9,514.08	9,402.66	19.24	18.58	89.61	442.07	922.58	1,866.05	1,831.82	34.24	54.504	
9,600.00	9,502.66	9,614.08	9,502.66	19.30	18.65	89.61	442.07	922.58	1,866.05	1,831.69	34.36	54.303	
9,700.00	9,602.66	9,714.08	9,602.66	19.37	18.71	89.61	442.07	922.58	1,866.05	1,831.56	34.49	54.103	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,800.00	9,702.66	9,814.08	9,702.66	19.43	18.77	89.61	442.07	922.58	1,866.05	1,831.43	34.62	53.903	
9,900.00	9,802.66	9,914.08	9,802.66	19.49	18.84	89.61	442.07	922.58	1,866.05	1,831.31	34.75	53.705	
10,000.00	9,902.66	10,014.08	9,902.66	19.56	18.90	89.61	442.07	922.58	1,866.05	1,831.18	34.87	53.508	
10,100.00	10,002.66	10,114.08	10,002.66	19.62	18.96	89.61	442.07	922.58	1,866.05	1,831.05	35.00	53.311	
10,200.00	10,102.66	10,214.08	10,102.66	19.69	19.03	89.61	442.07	922.58	1,866.05	1,830.92	35.13	53.116	
10,300.00	10,202.66	10,314.08	10,202.66	19.75	19.09	89.61	442.07	922.58	1,866.05	1,830.79	35.26	52.922	
10,400.00	10,302.66	10,414.08	10,302.66	19.81	19.15	89.61	442.07	922.58	1,866.05	1,830.66	35.39	52.728	
10,500.00	10,402.66	10,514.08	10,402.66	19.88	19.22	89.61	442.07	922.58	1,866.05	1,830.53	35.52	52.536	
10,600.00	10,502.66	10,614.08	10,502.66	19.94	19.28	89.61	442.07	922.58	1,866.05	1,830.40	35.65	52.344	
10,700.00	10,602.66	10,714.08	10,602.66	20.01	19.35	89.61	442.07	922.58	1,866.05	1,830.27	35.78	52.154	
10,800.00	10,702.66	10,814.08	10,702.66	20.07	19.41	89.61	442.07	922.58	1,866.05	1,830.14	35.91	51.965	
10,900.00	10,802.66	10,914.08	10,802.66	20.14	19.48	89.61	442.07	922.58	1,866.05	1,830.01	36.04	51.776	
11,000.00	10,902.66	11,014.08	10,902.66	20.20	19.54	89.61	442.07	922.58	1,866.05	1,829.88	36.17	51.589	
11,100.00	11,002.66	11,114.08	11,002.66	20.27	19.61	89.61	442.07	922.58	1,866.05	1,829.75	36.30	51.403	
11,175.34	11,078.00	11,189.42	11,078.00	20.31	19.66	89.61	442.07	922.58	1,866.05	1,829.66	36.39	51.276	
11,200.00	11,102.65	11,214.07	11,102.65	20.31	19.67	-89.91	442.07	922.58	1,866.05	1,829.64	36.41	51.254	
11,237.20	11,139.74	11,251.16	11,139.74	20.33	19.70	-90.00	442.07	922.58	1,866.05	1,829.63	36.42	51.243	
11,250.00	11,152.45	11,263.87	11,152.45	20.33	19.70	-90.05	442.07	922.58	1,866.05	1,829.63	36.42	51.239	
11,300.00	11,201.68	11,313.10	11,201.68	20.35	19.74	-90.30	442.07	922.58	1,866.08	1,829.67	36.41	51.249	
11,350.00	11,249.97	11,361.39	11,249.97	20.35	19.77	-90.68	442.07	922.58	1,866.19	1,829.80	36.39	51.286	
11,400.00	11,296.95	11,408.37	11,296.95	20.35	19.80	-91.14	442.07	922.58	1,866.48	1,830.13	36.35	51.349	
11,450.00	11,342.26	11,453.68	11,342.26	20.35	19.83	-91.67	442.07	922.58	1,867.05	1,830.76	36.30	51.440	
11,500.00	11,385.56	11,496.99	11,385.56	20.34	19.86	-92.23	442.07	922.58	1,868.04	1,831.81	36.23	51.561	
11,550.00	11,426.53	11,537.95	11,426.53	20.33	19.88	-92.80	442.07	922.58	1,869.58	1,833.43	36.15	51.711	
11,600.00	11,464.83	11,576.26	11,464.83	20.33	19.91	-93.32	442.07	922.58	1,871.83	1,835.76	36.07	51.894	
11,650.00	11,500.20	11,611.62	11,500.20	20.34	19.93	-93.78	442.07	922.58	1,874.93	1,838.95	35.98	52.110	
11,700.00	11,532.35	11,643.77	11,532.35	20.35	19.95	-94.12	442.07	922.58	1,879.04	1,843.15	35.89	52.359	
11,750.00	11,561.05	11,672.47	11,561.05	20.38	19.97	-94.31	442.07	922.58	1,884.28	1,848.48	35.79	52.642	
11,800.00	11,586.06	11,697.48	11,586.06	20.42	19.99	-94.32	442.07	922.58	1,890.77	1,855.07	35.70	52.959	
11,850.00	11,607.21	11,718.64	11,607.21	20.48	20.00	-94.11	442.07	922.58	1,898.59	1,862.98	35.61	53.311	
11,900.00	11,624.34	11,735.76	11,624.34	20.56	20.01	-93.67	442.07	922.58	1,907.81	1,872.28	35.53	53.696	
11,950.00	11,637.30	11,748.72	11,637.30	20.66	20.02	-92.96	442.07	922.58	1,918.44	1,882.98	35.45	54.114	
12,000.00	11,646.01	11,757.43	11,646.01	20.77	20.03	-91.99	442.07	922.58	1,930.45	1,895.07	35.38	54.562	
12,050.00	11,650.40	11,761.82	11,650.40	20.91	20.03	-90.74	442.07	922.58	1,943.80	1,908.49	35.32	55.040	
12,070.38	11,650.94	11,762.36	11,650.94	20.97	20.03	-90.15	442.07	922.58	1,949.60	1,914.31	35.29	55.244	
12,100.00	11,651.19	11,762.61	11,651.19	21.07	20.03	-90.16	442.07	922.58	1,958.39	1,923.13	35.26	55.546	
12,200.00	11,652.06	11,763.48	11,652.06	21.42	20.03	-90.18	442.07	922.58	1,991.01	1,955.82	35.19	56.581	
12,300.00	11,652.93	11,764.35	11,652.93	21.84	20.03	-90.21	442.07	922.58	2,028.05	1,992.88	35.16	57.675	
12,400.00	11,653.79	13,262.21	12,512.72	22.31	22.87	-114.72	-444.63	930.22	2,054.26	2,012.14	42.11	48.779	
12,500.00	11,654.66	13,362.21	12,513.59	22.84	23.48	-114.72	-544.62	931.08	2,054.26	2,011.19	43.07	47.697	
12,600.00	11,655.52	13,462.21	12,514.47	23.42	24.15	-114.72	-644.61	931.94	2,054.26	2,010.12	44.15	46.533	
12,700.00	11,656.39	13,562.21	12,515.34	24.05	24.87	-114.72	-744.61	932.80	2,054.27	2,008.93	45.34	45.309	
12,800.00	11,657.26	13,662.21	12,516.22	24.73	25.63	-114.72	-844.60	933.66	2,054.27	2,007.64	46.64	44.048	
12,900.00	11,658.12	13,762.21	12,517.09	25.46	26.44	-114.72	-944.59	934.52	2,054.28	2,006.24	48.03	42.769	
13,000.00	11,658.99	13,862.21	12,517.96	26.23	27.30	-114.72	-1,044.58	935.38	2,054.28	2,004.76	49.51	41.488	
13,100.00	11,659.85	13,962.21	12,518.84	27.05	28.19	-114.72	-1,144.58	936.24	2,054.28	2,003.20	51.08	40.218	
13,200.00	11,660.72	14,062.21	12,519.71	27.90	29.11	-114.72	-1,244.57	937.11	2,054.29	2,001.57	52.72	38.968	
13,300.00	11,661.59	14,162.21	12,520.58	28.80	30.07	-114.72	-1,344.56	937.97	2,054.29	1,999.87	54.42	37.747	
13,400.00	11,662.45	14,262.21	12,521.46	29.73	31.06	-114.72	-1,444.55	938.83	2,054.29	1,998.10	56.19	36.560	
13,500.00	11,663.32	14,362.21	12,522.33	30.69	32.07	-114.72	-1,544.55	939.69	2,054.30	1,996.29	58.01	35.412	
13,600.00	11,664.18	14,462.21	12,523.20	31.67	33.11	-114.72	-1,644.54	940.55	2,054.30	1,994.42	59.88	34.305	
13,700.00	11,665.05	14,562.21	12,524.08	32.69	34.17	-114.72	-1,744.53	941.41	2,054.30	1,992.50	61.80	33.241	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	11,665.92	14,662.21	12,524.95	33.73	35.26	-114.72	-1,844.52	942.27	2,054.31	1,990.55	63.76	32.219	
13,900.00	11,666.78	14,762.21	12,525.83	34.79	36.36	-114.72	-1,944.52	943.13	2,054.31	1,988.55	65.76	31.241	
14,000.00	11,667.65	14,862.21	12,526.70	35.88	37.48	-114.72	-2,044.51	943.99	2,054.31	1,986.52	67.79	30.304	
14,100.00	11,668.51	14,962.21	12,527.57	36.98	38.61	-114.72	-2,144.50	944.86	2,054.32	1,984.46	69.85	29.409	
14,200.00	11,669.38	15,062.21	12,528.45	38.10	39.76	-114.72	-2,244.49	945.72	2,054.32	1,982.38	71.95	28.554	
14,300.00	11,670.24	15,162.21	12,529.32	39.23	40.92	-114.72	-2,344.49	946.58	2,054.33	1,980.26	74.06	27.737	
14,400.00	11,671.11	15,262.21	12,530.19	40.38	42.10	-114.72	-2,444.48	947.44	2,054.33	1,978.12	76.21	26.957	
14,500.00	11,671.98	15,362.21	12,531.07	41.55	43.29	-114.72	-2,544.47	948.30	2,054.33	1,975.96	78.37	26.212	
14,600.00	11,672.84	15,462.21	12,531.94	42.72	44.48	-114.72	-2,644.46	949.16	2,054.34	1,973.78	80.56	25.501	
14,700.00	11,673.71	15,562.21	12,532.81	43.91	45.69	-114.72	-2,744.46	950.02	2,054.34	1,971.58	82.76	24.822	
14,800.00	11,674.57	15,662.21	12,533.69	45.11	46.90	-114.72	-2,844.45	950.88	2,054.34	1,969.36	84.99	24.173	
14,900.00	11,675.44	15,762.21	12,534.56	46.32	48.13	-114.72	-2,944.44	951.75	2,054.35	1,967.12	87.22	23.553	
15,000.00	11,676.31	15,862.21	12,535.43	47.53	49.36	-114.72	-3,044.43	952.61	2,054.35	1,964.87	89.48	22.960	
15,100.00	11,677.17	15,962.21	12,536.31	48.76	50.60	-114.72	-3,144.43	953.47	2,054.35	1,962.61	91.74	22.393	
15,200.00	11,678.04	16,062.21	12,537.18	49.99	51.84	-114.72	-3,244.42	954.33	2,054.36	1,960.34	94.02	21.850	
15,300.00	11,678.90	16,162.21	12,538.06	51.23	53.10	-114.72	-3,344.41	955.19	2,054.36	1,958.05	96.31	21.330	
15,400.00	11,679.77	16,262.21	12,538.93	52.47	54.35	-114.72	-3,444.40	956.05	2,054.36	1,955.75	98.61	20.832	
15,500.00	11,680.64	16,362.21	12,539.80	53.73	55.61	-114.72	-3,544.40	956.91	2,054.37	1,953.44	100.93	20.355	
15,600.00	11,681.50	16,462.21	12,540.68	54.98	56.88	-114.72	-3,644.39	957.77	2,054.37	1,951.12	103.25	19.897	
15,700.00	11,682.37	16,562.21	12,541.55	56.25	58.15	-114.72	-3,744.38	958.63	2,054.38	1,948.80	105.58	19.458	
15,800.00	11,683.23	16,662.21	12,542.42	57.52	59.43	-114.72	-3,844.37	959.50	2,054.38	1,946.46	107.92	19.037	
15,900.00	11,684.10	16,762.21	12,543.30	58.79	60.71	-114.72	-3,944.37	960.36	2,054.38	1,944.12	110.26	18.631	
16,000.00	11,684.97	16,862.21	12,544.17	60.06	61.99	-114.72	-4,044.36	961.22	2,054.39	1,941.77	112.62	18.242	
16,100.00	11,685.83	16,962.21	12,545.04	61.35	63.28	-114.72	-4,144.35	962.08	2,054.39	1,939.41	114.98	17.867	
16,200.00	11,686.70	17,062.21	12,545.92	62.63	64.57	-114.72	-4,244.34	962.94	2,054.39	1,937.05	117.35	17.507	
16,300.00	11,687.56	17,162.21	12,546.79	63.92	65.87	-114.72	-4,344.34	963.80	2,054.40	1,934.68	119.72	17.160	
16,400.00	11,688.43	17,262.21	12,547.66	65.21	67.17	-114.72	-4,444.33	964.66	2,054.40	1,932.30	122.10	16.826	
16,500.00	11,689.30	17,362.21	12,548.54	66.51	68.47	-114.72	-4,544.32	965.52	2,054.40	1,929.92	124.48	16.503	
16,600.00	11,690.16	17,462.21	12,549.41	67.80	69.77	-114.72	-4,644.31	966.38	2,054.41	1,927.53	126.87	16.193	
16,700.00	11,691.03	17,562.21	12,550.29	69.10	71.07	-114.73	-4,744.31	967.25	2,054.41	1,925.14	129.27	15.893	
16,800.00	11,691.89	17,662.21	12,551.16	70.41	72.38	-114.73	-4,844.30	968.11	2,054.41	1,922.75	131.67	15.603	
16,900.00	11,692.76	17,762.21	12,552.03	71.71	73.69	-114.73	-4,944.29	968.97	2,054.42	1,920.35	134.07	15.323	
17,000.00	11,693.63	17,862.21	12,552.91	73.02	75.00	-114.73	-5,044.28	969.83	2,054.42	1,917.94	136.48	15.053	
17,100.00	11,694.49	17,962.21	12,553.78	74.33	76.32	-114.73	-5,144.28	970.69	2,054.43	1,915.54	138.89	14.792	
17,200.00	11,695.36	18,062.21	12,554.65	75.64	77.63	-114.73	-5,244.27	971.55	2,054.43	1,913.12	141.30	14.539	
17,300.00	11,696.22	18,162.21	12,555.53	76.96	78.95	-114.73	-5,344.26	972.41	2,054.43	1,910.71	143.72	14.294	
17,400.00	11,697.09	18,262.21	12,556.40	78.28	80.27	-114.73	-5,444.25	973.27	2,054.44	1,908.29	146.14	14.058	
17,500.00	11,697.96	18,362.21	12,557.27	79.59	81.59	-114.73	-5,544.25	974.14	2,054.44	1,905.87	148.57	13.828	
17,600.00	11,698.82	18,462.21	12,558.15	80.91	82.92	-114.73	-5,644.24	975.00	2,054.44	1,903.45	151.00	13.606	
17,700.00	11,699.69	18,562.21	12,559.02	82.24	84.24	-114.73	-5,744.23	975.86	2,054.45	1,901.02	153.43	13.390	
17,800.00	11,700.55	18,662.21	12,559.90	83.56	85.57	-114.73	-5,844.22	976.72	2,054.45	1,898.59	155.86	13.181	
17,900.00	11,701.42	18,762.21	12,560.77	84.88	86.89	-114.73	-5,944.22	977.58	2,054.45	1,896.16	158.30	12.978	
18,000.00	11,702.29	18,862.21	12,561.64	86.21	88.22	-114.73	-6,044.21	978.44	2,054.46	1,893.72	160.74	12.782	
18,100.00	11,703.15	18,962.21	12,562.52	87.54	89.55	-114.73	-6,144.20	979.30	2,054.46	1,891.28	163.18	12.590	
18,200.00	11,704.02	19,062.21	12,563.39	88.87	90.88	-114.73	-6,244.19	980.16	2,054.46	1,888.84	165.62	12.405	
18,300.00	11,704.88	19,162.21	12,564.26	90.20	92.21	-114.73	-6,344.19	981.02	2,054.47	1,886.40	168.07	12.224	
18,400.00	11,705.75	19,262.21	12,565.14	91.53	93.55	-114.73	-6,444.18	981.89	2,054.47	1,883.96	170.51	12.049	
18,500.00	11,706.62	19,362.21	12,566.01	92.86	94.88	-114.73	-6,544.17	982.75	2,054.47	1,881.51	172.96	11.878	
18,600.00	11,707.48	19,462.21	12,566.88	94.19	96.22	-114.73	-6,644.16	983.61	2,054.48	1,879.07	175.41	11.712	
18,700.00	11,708.35	19,562.21	12,567.76	95.53	97.55	-114.73	-6,744.16	984.47	2,054.48	1,876.62	177.87	11.551	
18,800.00	11,709.21	19,662.21	12,568.63	96.87	98.89	-114.73	-6,844.15	985.33	2,054.49	1,874.16	180.32	11.393	
18,900.00	11,710.08	19,762.21	12,569.50	98.20	100.23	-114.73	-6,944.14	986.19	2,054.49	1,871.71	182.78	11.240	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	11,710.95	19,862.21	12,570.38	99.54	101.57	-114.73	-7,044.13	987.05	2,054.49	1,869.26	185.24	11.091	
19,100.00	11,711.81	19,962.21	12,571.25	100.88	102.91	-114.73	-7,144.13	987.91	2,054.50	1,866.80	187.70	10.946	
19,200.00	11,712.68	20,062.21	12,572.13	102.22	104.25	-114.73	-7,244.12	988.77	2,054.50	1,864.34	190.16	10.804	
19,300.00	11,713.54	20,162.21	12,573.00	103.56	105.59	-114.73	-7,344.11	989.64	2,054.50	1,861.88	192.62	10.666	
19,400.00	11,714.41	20,262.21	12,573.87	104.90	106.93	-114.73	-7,444.10	990.50	2,054.51	1,859.42	195.08	10.531	
19,500.00	11,715.28	20,362.21	12,574.75	106.24	108.27	-114.73	-7,544.10	991.36	2,054.51	1,856.96	197.55	10.400	
19,600.00	11,716.14	20,462.21	12,575.62	107.58	109.62	-114.73	-7,644.09	992.22	2,054.51	1,854.50	200.01	10.272	
19,700.00	11,717.01	20,562.21	12,576.49	108.92	110.96	-114.73	-7,744.08	993.08	2,054.52	1,852.04	202.48	10.147	
19,800.00	11,717.87	20,662.21	12,577.37	110.27	112.31	-114.73	-7,844.07	993.94	2,054.52	1,849.57	204.95	10.024	
19,900.00	11,718.74	20,762.21	12,578.24	111.61	113.65	-114.73	-7,944.07	994.80	2,054.52	1,847.10	207.42	9.905	
20,000.00	11,719.61	20,862.21	12,579.11	112.96	115.00	-114.73	-8,044.06	995.66	2,054.53	1,844.64	209.89	9.789	
20,100.00	11,720.47	20,962.21	12,579.99	114.30	116.34	-114.73	-8,144.05	996.53	2,054.53	1,842.17	212.36	9.675	
20,200.00	11,721.34	21,062.21	12,580.86	115.65	117.69	-114.73	-8,244.04	997.39	2,054.54	1,839.70	214.84	9.563	
20,300.00	11,722.20	21,162.21	12,581.73	117.00	119.04	-114.73	-8,344.04	998.25	2,054.54	1,837.23	217.31	9.454	
20,400.00	11,723.07	21,262.21	12,582.61	118.34	120.38	-114.73	-8,444.03	999.11	2,054.54	1,834.76	219.79	9.348	
20,500.00	11,723.94	21,362.21	12,583.48	119.69	121.73	-114.73	-8,544.02	999.97	2,054.55	1,832.28	222.26	9.244	
20,600.00	11,724.80	21,462.21	12,584.36	121.04	123.08	-114.73	-8,644.01	1,000.83	2,054.55	1,829.81	224.74	9.142	
20,700.00	11,725.67	21,562.21	12,585.23	122.39	124.43	-114.73	-8,744.01	1,001.69	2,054.55	1,827.34	227.22	9.042	
20,800.00	11,726.53	21,662.21	12,586.10	123.74	125.78	-114.73	-8,844.00	1,002.55	2,054.56	1,824.86	229.69	8.945	
20,900.00	11,727.40	21,762.21	12,586.98	125.09	127.13	-114.73	-8,943.99	1,003.41	2,054.56	1,822.39	232.17	8.849	
21,000.00	11,728.27	21,862.21	12,587.85	126.44	128.48	-114.73	-9,043.98	1,004.28	2,054.56	1,819.91	234.65	8.756	
21,100.00	11,729.13	21,962.21	12,588.72	127.79	129.83	-114.73	-9,143.98	1,005.14	2,054.57	1,817.43	237.13	8.664	
21,200.00	11,730.00	22,062.21	12,589.60	129.14	131.18	-114.73	-9,243.97	1,006.00	2,054.57	1,814.95	239.62	8.574	
21,300.00	11,730.86	22,162.21	12,590.47	130.49	132.54	-114.73	-9,343.96	1,006.86	2,054.57	1,812.48	242.10	8.487	
21,400.00	11,731.73	22,262.21	12,591.34	131.84	133.89	-114.73	-9,443.95	1,007.72	2,054.58	1,810.00	244.58	8.400	
21,500.00	11,732.60	22,362.21	12,592.22	133.19	135.24	-114.73	-9,543.94	1,008.58	2,054.58	1,807.52	247.07	8.316	
21,600.00	11,733.46	22,462.21	12,593.09	134.54	136.59	-114.73	-9,643.94	1,009.44	2,054.59	1,805.04	249.55	8.233	
21,700.00	11,734.33	22,562.21	12,593.97	135.90	137.95	-114.73	-9,743.93	1,010.30	2,054.59	1,802.55	252.03	8.152	
21,800.00	11,735.19	22,662.21	12,594.84	137.25	139.30	-114.73	-9,843.92	1,011.16	2,054.59	1,800.07	254.52	8.072	
21,900.00	11,736.06	22,762.21	12,595.71	138.60	140.65	-114.73	-9,943.91	1,012.03	2,054.60	1,797.59	257.01	7.994	
22,000.00	11,736.93	22,862.21	12,596.59	139.96	142.01	-114.74	-10,043.91	1,012.89	2,054.60	1,795.11	259.49	7.918	
22,008.51	11,737.00	22,870.72	12,596.66	140.07	142.12	-114.74	-10,052.42	1,012.96	2,054.60	1,794.90	259.70	7.911	SF

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	0.00	0.00	0.50	0.50	-153.43	-50.00	-25.00	55.90				
100.00	100.00	100.00	100.00	0.98	0.98	-153.43	-50.00	-25.00	55.90	53.94	1.96	28.490	
200.00	200.00	200.00	200.00	1.56	1.56	-153.43	-50.00	-25.00	55.90	52.78	3.12	17.904	
300.00	300.00	300.00	300.00	1.98	1.98	-153.43	-50.00	-25.00	55.90	51.94	3.96	14.108	
400.00	400.00	400.00	400.00	2.33	2.33	-153.43	-50.00	-25.00	55.90	51.24	4.66	11.999	
500.00	500.00	500.00	500.00	2.63	2.63	-153.43	-50.00	-25.00	55.90	50.63	5.27	10.609	
600.00	599.99	599.99	599.99	2.98	2.91	-89.25	-50.00	-25.00	55.87	50.05	5.82	9.605	
624.96	624.94	624.94	624.94	3.05	2.97	-90.00	-50.00	-25.00	55.86	49.92	5.94	9.401	
700.00	699.91	699.91	699.91	3.29	3.16	-93.26	-50.00	-25.00	55.96	49.64	6.32	8.855	
800.00	799.69	800.53	800.52	3.58	3.46	-98.82	-48.99	-25.85	55.96	49.14	6.81	8.213	
833.33	832.91	834.10	834.07	3.60	3.55	-100.77	-48.20	-26.51	55.83	48.91	6.92	8.066	
900.00	899.32	901.28	901.18	3.70	3.74	-104.27	-45.94	-28.41	55.29	48.10	7.19	7.694	
1,000.00	998.94	1,002.15	1,001.84	3.92	4.00	-107.95	-40.85	-32.68	53.33	45.68	7.65	6.967	
1,100.00	1,098.56	1,102.38	1,101.69	4.14	4.12	-110.31	-34.26	-38.21	50.15	42.15	8.00	6.271	
1,200.00	1,198.18	1,202.30	1,201.24	4.36	4.32	-112.87	-27.58	-43.81	46.97	38.53	8.43	5.570	
1,201.83	1,200.00	1,204.13	1,203.05	4.36	4.33	-112.92	-27.46	-43.91	46.91	38.47	8.44	5.558	
1,300.00	1,297.68	1,302.21	1,300.76	4.60	4.53	-117.29	-20.91	-49.41	44.45	35.58	8.87	5.010	
1,384.85	1,381.88	1,386.91	1,385.14	4.82	4.70	-123.70	-15.26	-54.15	43.65	34.38	9.28	4.706	CC
1,400.00	1,396.88	1,402.02	1,400.20	4.86	4.73	-125.07	-14.25	-55.00	43.68	34.33	9.35	4.672	ES
1,500.00	1,495.72	1,501.68	1,499.47	5.10	4.93	-135.34	-7.60	-60.58	45.56	35.70	9.86	4.621	SF
1,600.00	1,594.13	1,601.11	1,598.53	5.35	5.12	-146.18	-0.96	-66.15	50.93	40.56	10.37	4.910	
1,634.85	1,628.31	1,635.69	1,632.98	5.39	5.19	-149.73	1.35	-68.09	53.70	43.20	10.50	5.112	
1,700.00	1,692.16	1,700.32	1,697.36	5.49	5.32	-155.58	5.67	-71.71	59.64	48.88	10.76	5.542	
1,800.00	1,790.15	1,799.51	1,796.17	5.70	5.51	-162.52	12.29	-77.27	69.69	58.50	11.19	6.230	
1,900.00	1,888.15	1,898.69	1,894.98	5.90	5.70	-167.66	18.91	-82.82	80.49	68.90	11.59	6.944	
2,000.00	1,986.14	1,997.88	1,993.79	6.11	5.89	-171.57	25.53	-88.38	91.79	79.80	11.99	7.658	
2,100.00	2,084.14	2,097.07	2,092.60	6.32	6.08	-174.61	32.16	-93.94	103.42	91.04	12.38	8.356	
2,200.00	2,182.13	2,196.26	2,191.41	6.53	6.28	-177.04	38.78	-99.49	115.27	102.50	12.77	9.026	
2,300.00	2,280.12	2,298.54	2,293.21	6.75	6.48	-179.02	46.01	-106.29	126.19	113.02	13.17	9.583	
2,400.00	2,378.12	2,401.64	2,395.54	6.97	6.70	179.37	54.27	-115.72	134.56	120.98	13.58	9.910	
2,500.00	2,476.11	2,505.15	2,497.92	7.20	6.93	177.99	63.55	-127.78	140.32	126.33	13.99	10.031	
2,600.00	2,574.11	2,608.91	2,600.12	7.44	7.15	176.73	73.82	-142.47	143.44	129.04	14.40	9.963	
2,700.00	2,672.10	2,712.19	2,701.34	7.69	7.37	175.53	85.00	-159.65	143.94	129.14	14.79	9.729	
2,800.00	2,770.10	2,812.15	2,799.11	7.94	7.57	174.35	96.15	-177.19	143.51	128.31	15.20	9.442	
2,900.00	2,868.09	2,912.10	2,896.88	8.20	7.77	173.17	107.31	-194.72	143.15	127.54	15.60	9.173	
3,000.00	2,966.08	3,012.06	2,994.66	8.46	7.97	171.99	118.47	-212.25	142.84	126.83	16.01	8.921	
3,100.00	3,064.08	3,112.01	3,092.43	8.72	8.17	170.80	129.62	-229.79	142.60	126.18	16.42	8.683	
3,200.00	3,162.07	3,211.97	3,190.20	8.98	8.38	169.61	140.78	-247.32	142.42	125.58	16.83	8.460	
3,300.00	3,260.07	3,311.93	3,287.97	9.25	8.59	168.41	151.94	-264.86	142.30	125.05	17.25	8.250	
3,400.00	3,358.06	3,411.88	3,385.74	9.51	8.80	167.22	163.09	-282.39	142.24	124.58	17.66	8.052	
3,442.25	3,399.46	3,454.11	3,427.05	9.62	8.90	166.71	167.81	-289.80	142.24	124.40	17.84	7.972	
3,500.00	3,456.05	3,511.84	3,483.51	9.77	9.02	166.02	174.25	-299.92	142.25	124.16	18.08	7.866	
3,600.00	3,554.05	3,611.79	3,581.28	10.04	9.25	164.83	185.41	-317.46	142.31	123.81	18.51	7.690	
3,700.00	3,652.04	3,711.75	3,679.06	10.31	9.48	163.63	196.56	-334.99	142.44	123.51	18.93	7.524	
3,800.00	3,750.04	3,811.70	3,776.83	10.57	9.71	162.44	207.72	-352.53	142.63	123.27	19.36	7.367	
3,900.00	3,848.03	3,911.66	3,874.60	10.84	9.95	161.25	218.88	-370.06	142.89	123.09	19.79	7.219	
4,000.00	3,946.02	4,011.62	3,972.37	11.11	10.19	160.07	230.03	-387.59	143.20	122.97	20.23	7.078	
4,100.00	4,044.02	4,111.57	4,070.14	11.37	10.44	158.89	241.19	-405.13	143.57	122.90	20.67	6.945	
4,200.00	4,142.01	4,211.53	4,167.91	11.64	10.69	157.72	252.35	-422.66	144.01	122.89	21.12	6.819	
4,300.00	4,240.01	4,311.48	4,265.68	11.91	10.94	156.56	263.50	-440.19	144.50	122.93	21.57	6.700	
4,400.00	4,338.00	4,411.44	4,363.46	12.18	11.19	155.40	274.66	-457.73	145.06	123.03	22.02	6.586	
4,500.00	4,435.99	4,511.40	4,461.23	12.45	11.45	154.25	285.82	-475.26	145.67	123.19	22.48	6.479	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
4,600.00	4,533.99	4,611.35	4,559.00	12.72	11.71	153.12	296.97	-492.80	146.34	123.39	22.95	6.377	
4,700.00	4,631.98	4,711.31	4,656.77	12.99	11.97	151.99	308.13	-510.33	147.07	123.65	23.42	6.280	
4,800.00	4,729.98	4,811.26	4,754.54	13.26	12.23	150.88	319.29	-527.86	147.85	123.96	23.89	6.188	
4,900.00	4,827.97	4,911.22	4,852.31	13.53	12.49	149.78	330.44	-545.40	148.69	124.32	24.37	6.101	
5,000.00	4,925.97	5,011.17	4,950.08	13.80	12.75	148.69	341.60	-562.93	149.58	124.73	24.86	6.018	
5,100.00	5,023.96	5,111.13	5,047.86	14.07	13.02	147.61	352.76	-580.47	150.53	125.18	25.34	5.939	
5,200.00	5,121.95	5,211.09	5,145.63	14.34	13.28	146.55	363.92	-598.00	151.53	125.69	25.84	5.864	
5,300.00	5,219.95	5,311.04	5,243.40	14.61	13.55	145.50	375.07	-615.53	152.58	126.24	26.34	5.793	
5,400.00	5,317.94	5,410.64	5,340.82	14.88	13.81	144.48	386.19	-633.00	153.68	126.84	26.84	5.727	
5,500.00	5,415.94	5,508.11	5,436.41	15.15	14.06	143.80	396.41	-649.07	155.75	128.43	27.32	5.701	
5,600.00	5,513.93	5,605.16	5,532.03	15.42	14.28	143.78	405.29	-663.02	159.65	131.88	27.77	5.749	
5,700.00	5,611.92	5,702.01	5,627.85	15.69	14.49	144.34	412.85	-674.90	165.38	137.21	28.17	5.870	
5,800.00	5,709.92	5,800.00	5,725.13	15.96	14.67	145.44	419.16	-684.82	173.00	144.46	28.54	6.061	
5,900.00	5,807.91	5,894.62	5,819.32	16.24	14.83	146.92	423.99	-692.41	182.55	153.69	28.86	6.326	
5,905.98	5,813.78	5,900.00	5,824.69	16.26	14.84	147.01	424.22	-692.78	183.18	154.31	28.87	6.345	
6,000.00	5,906.13	5,990.30	5,914.76	16.50	14.96	148.62	427.59	-698.07	193.17	164.03	29.15	6.628	
6,100.00	6,004.80	6,085.71	6,010.08	16.73	15.08	150.22	429.90	-701.71	203.66	174.24	29.41	6.924	
6,200.00	6,103.86	6,180.87	6,105.21	16.93	15.17	151.71	430.94	-703.33	213.99	184.34	29.65	7.218	
6,300.00	6,203.25	6,278.91	6,203.25	17.11	15.23	153.08	431.00	-703.43	223.68	193.83	29.85	7.493	
6,400.00	6,302.89	6,378.55	6,302.89	17.27	15.30	154.07	431.00	-703.43	231.24	201.17	30.07	7.690	
6,500.00	6,402.72	6,478.38	6,402.72	17.39	15.37	154.72	431.00	-703.43	236.48	206.20	30.29	7.808	
6,600.00	6,502.67	6,578.32	6,502.67	17.49	15.44	155.07	431.00	-703.43	239.38	208.89	30.50	7.850	
6,672.34	6,575.00	6,650.66	6,575.00	17.53	15.49	89.61	431.00	-703.43	240.01	209.41	30.60	7.843	
6,700.00	6,602.66	6,678.32	6,602.66	17.54	15.51	89.61	431.00	-703.43	240.01	209.38	30.62	7.837	
6,800.00	6,702.66	6,778.32	6,702.66	17.60	15.58	89.61	431.00	-703.43	240.01	209.26	30.75	7.805	
6,900.00	6,802.66	6,878.32	6,802.66	17.66	15.65	89.61	431.00	-703.43	240.01	209.13	30.88	7.773	
7,000.00	6,902.66	6,978.32	6,902.66	17.71	15.72	89.61	431.00	-703.43	240.01	209.00	31.00	7.742	
7,100.00	7,002.66	7,078.32	7,002.66	17.77	15.79	89.61	431.00	-703.43	240.01	208.88	31.13	7.710	
7,200.00	7,102.66	7,178.32	7,102.66	17.83	15.86	89.61	431.00	-703.43	240.01	208.75	31.26	7.679	
7,300.00	7,202.66	7,278.32	7,202.66	17.89	15.93	89.61	431.00	-703.43	240.01	208.62	31.38	7.647	
7,400.00	7,302.66	7,378.32	7,302.66	17.95	16.00	89.61	431.00	-703.43	240.01	208.49	31.51	7.616	
7,500.00	7,402.66	7,478.32	7,402.66	18.01	16.07	89.61	431.00	-703.43	240.01	208.37	31.64	7.586	
7,600.00	7,502.66	7,578.32	7,502.66	18.07	16.14	89.61	431.00	-703.43	240.01	208.24	31.77	7.555	
7,700.00	7,602.66	7,678.32	7,602.66	18.13	16.21	89.61	431.00	-703.43	240.01	208.11	31.90	7.524	
7,800.00	7,702.66	7,778.32	7,702.66	18.19	16.28	89.61	431.00	-703.43	240.01	207.98	32.03	7.494	
7,900.00	7,802.66	7,878.32	7,802.66	18.25	16.35	89.61	431.00	-703.43	240.01	207.85	32.15	7.464	
8,000.00	7,902.66	7,978.32	7,902.66	18.31	16.43	89.61	431.00	-703.43	240.01	207.72	32.28	7.434	
8,100.00	8,002.66	8,078.32	8,002.66	18.37	16.50	89.61	431.00	-703.43	240.01	207.59	32.41	7.404	
8,200.00	8,102.66	8,178.32	8,102.66	18.43	16.57	89.61	431.00	-703.43	240.01	207.46	32.54	7.375	
8,300.00	8,202.66	8,278.32	8,202.66	18.50	16.64	89.61	431.00	-703.43	240.01	207.33	32.68	7.345	
8,400.00	8,302.66	8,378.32	8,302.66	18.56	16.71	89.61	431.00	-703.43	240.01	207.20	32.81	7.316	
8,500.00	8,402.66	8,478.32	8,402.66	18.62	16.78	89.61	431.00	-703.43	240.01	207.07	32.94	7.287	
8,600.00	8,502.66	8,578.32	8,502.66	18.68	16.86	89.61	431.00	-703.43	240.01	206.94	33.07	7.258	
8,700.00	8,602.66	8,678.32	8,602.66	18.74	16.93	89.61	431.00	-703.43	240.01	206.81	33.20	7.229	
8,800.00	8,702.66	8,778.32	8,702.66	18.80	17.00	89.61	431.00	-703.43	240.01	206.67	33.33	7.201	
8,900.00	8,802.66	8,878.32	8,802.66	18.87	17.07	89.61	431.00	-703.43	240.01	206.54	33.46	7.172	
9,000.00	8,902.66	8,978.32	8,902.66	18.93	17.14	89.61	431.00	-703.43	240.01	206.41	33.60	7.144	
9,100.00	9,002.66	9,078.32	9,002.66	18.99	17.22	89.61	431.00	-703.43	240.01	206.28	33.73	7.116	
9,200.00	9,102.66	9,178.32	9,102.66	19.05	17.29	89.61	431.00	-703.43	240.01	206.14	33.86	7.088	
9,300.00	9,202.66	9,278.32	9,202.66	19.12	17.36	89.61	431.00	-703.43	240.01	206.01	34.00	7.060	
9,400.00	9,302.66	9,378.32	9,302.66	19.18	17.43	89.61	431.00	-703.43	240.01	205.88	34.13	7.032	
9,500.00	9,402.66	9,478.32	9,402.66	19.24	17.51	89.61	431.00	-703.43	240.01	205.74	34.26	7.005	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,600.00	9,502.66	9,578.32	9,502.66	19.30	17.58	89.61	431.00	-703.43	240.01	205.61	34.40	6.978	
9,700.00	9,602.66	9,678.32	9,602.66	19.37	17.65	89.61	431.00	-703.43	240.01	205.47	34.53	6.951	
9,800.00	9,702.66	9,778.32	9,702.66	19.43	17.72	89.61	431.00	-703.43	240.01	205.34	34.67	6.924	
9,900.00	9,802.66	9,878.32	9,802.66	19.49	17.80	89.61	431.00	-703.43	240.01	205.21	34.80	6.897	
10,000.00	9,902.66	9,978.32	9,902.66	19.56	17.87	89.61	431.00	-703.43	240.01	205.07	34.93	6.870	
10,100.00	10,002.66	10,078.32	10,002.66	19.62	17.94	89.61	431.00	-703.43	240.01	204.94	35.07	6.844	
10,200.00	10,102.66	10,178.32	10,102.66	19.69	18.02	89.61	431.00	-703.43	240.01	204.80	35.21	6.817	
10,300.00	10,202.66	10,278.32	10,202.66	19.75	18.09	89.61	431.00	-703.43	240.01	204.66	35.34	6.791	
10,400.00	10,302.66	10,378.32	10,302.66	19.81	18.16	89.61	431.00	-703.43	240.01	204.53	35.48	6.765	
10,500.00	10,402.66	10,478.32	10,402.66	19.88	18.24	89.61	431.00	-703.43	240.01	204.39	35.61	6.739	
10,600.00	10,502.66	10,578.32	10,502.66	19.94	18.31	89.61	431.00	-703.43	240.01	204.26	35.75	6.714	
10,700.00	10,602.66	10,678.32	10,602.66	20.01	18.38	89.61	431.00	-703.43	240.01	204.12	35.89	6.688	
10,800.00	10,702.66	10,778.32	10,702.66	20.07	18.46	89.61	431.00	-703.43	240.01	203.98	36.02	6.663	
10,900.00	10,802.66	10,878.32	10,802.66	20.14	18.53	89.61	431.00	-703.43	240.01	203.85	36.16	6.637	
11,000.00	10,902.66	10,978.32	10,902.66	20.20	18.60	89.61	431.00	-703.43	240.01	203.71	36.30	6.612	
11,100.00	11,002.66	11,078.32	11,002.66	20.27	18.68	89.61	431.00	-703.43	240.01	203.57	36.43	6.587	
11,175.34	11,078.00	11,153.66	11,078.00	20.31	18.73	89.61	431.00	-703.43	240.01	203.48	36.53	6.570	
11,197.68	11,100.34	11,175.99	11,100.34	20.31	18.75	-90.00	431.00	-703.43	240.01	203.46	36.55	6.567	
11,200.00	11,102.65	11,178.31	11,102.65	20.31	18.75	-90.02	431.00	-703.43	240.01	203.46	36.55	6.567	
11,250.00	11,152.45	11,228.11	11,152.45	20.33	18.79	-91.05	431.00	-703.43	240.05	203.46	36.59	6.561	
11,300.00	11,201.68	11,277.34	11,201.68	20.35	18.83	-93.04	431.00	-703.43	240.36	203.72	36.64	6.560	
11,350.00	11,249.97	11,325.63	11,249.97	20.35	18.86	-95.90	431.00	-703.43	241.41	204.70	36.71	6.577	
11,400.00	11,296.95	11,372.60	11,296.95	20.35	18.90	-99.41	431.00	-703.43	243.84	207.04	36.80	6.626	
11,450.00	11,342.26	11,417.92	11,342.26	20.35	18.93	-103.34	431.00	-703.43	248.43	211.51	36.92	6.729	
11,500.00	11,385.56	11,461.22	11,385.56	20.34	18.96	-107.39	431.00	-703.43	256.01	218.94	37.07	6.906	
11,550.00	11,426.53	11,502.18	11,426.53	20.33	18.99	-111.28	431.00	-703.43	267.34	230.10	37.24	7.179	
11,600.00	11,464.83	11,540.49	11,464.83	20.33	19.02	-114.73	431.00	-703.43	282.95	245.53	37.42	7.562	
11,650.00	11,500.20	11,575.86	11,500.20	20.34	19.05	-117.55	431.00	-703.43	303.14	265.56	37.59	8.065	
11,700.00	11,532.35	11,608.01	11,532.35	20.35	19.07	-119.56	431.00	-703.43	327.93	290.19	37.74	8.689	
11,750.00	11,561.05	11,636.70	11,561.05	20.38	19.09	-120.64	431.00	-703.43	357.07	319.21	37.87	9.430	
11,800.00	11,586.06	11,661.72	11,586.06	20.42	19.11	-120.65	431.00	-703.43	390.20	352.24	37.97	10.278	
11,850.00	11,607.21	11,682.87	11,607.21	20.48	19.13	-119.40	431.00	-703.43	426.82	388.78	38.04	11.220	
11,900.00	11,624.34	11,699.99	11,624.34	20.56	19.14	-116.66	431.00	-703.43	466.40	428.31	38.09	12.244	
11,950.00	11,637.30	11,712.96	11,637.30	20.66	19.15	-112.06	431.00	-703.43	508.40	470.27	38.13	13.334	
12,000.00	11,646.01	11,721.67	11,646.01	20.77	19.16	-105.20	431.00	-703.43	552.28	514.13	38.15	14.477	
12,050.00	11,650.40	11,726.05	11,650.40	20.91	19.16	-95.76	431.00	-703.43	597.51	559.35	38.16	15.659	
12,070.38	11,650.94	11,726.59	11,650.94	20.97	19.16	-91.17	431.00	-703.43	616.22	578.06	38.16	16.149	
12,100.00	11,651.19	11,726.85	11,651.19	21.07	19.16	-91.23	431.00	-703.43	643.61	605.45	38.16	16.867	
12,200.00	11,652.06	11,727.72	11,652.06	21.42	19.16	-91.44	431.00	-703.43	737.33	699.18	38.16	19.323	
12,300.00	11,652.93	11,728.58	11,652.93	21.84	19.16	-91.65	431.00	-703.43	832.52	794.36	38.16	21.818	
12,400.00	11,653.79	11,729.45	11,653.79	22.31	19.16	-91.85	431.00	-703.43	928.72	890.56	38.16	24.339	
12,500.00	11,654.66	11,730.31	11,654.66	22.84	19.16	-92.06	431.00	-703.43	1,025.64	987.48	38.16	26.876	
12,600.00	11,655.52	11,731.18	11,655.52	23.42	19.16	-92.27	431.00	-703.43	1,123.11	1,084.94	38.17	29.423	
12,700.00	11,656.39	13,874.96	12,860.39	24.05	23.00	-172.19	-756.19	-768.17	1,215.31	1,159.45	55.86	21.755	
12,800.00	11,657.26	13,974.96	12,861.27	24.73	23.61	-172.19	-856.18	-767.31	1,215.32	1,159.18	56.14	21.646	
12,900.00	11,658.12	14,074.96	12,862.15	25.46	24.28	-172.19	-956.18	-766.45	1,215.33	1,158.89	56.44	21.533	
13,000.00	11,658.99	14,174.96	12,863.03	26.23	25.00	-172.20	-1,056.17	-765.59	1,215.35	1,158.59	56.75	21.415	
13,100.00	11,659.85	14,274.96	12,863.91	27.05	25.77	-172.20	-1,156.16	-764.73	1,215.36	1,158.28	57.08	21.293	
13,200.00	11,660.72	14,374.96	12,864.78	27.90	26.59	-172.20	-1,256.15	-763.87	1,215.37	1,157.95	57.42	21.166	
13,300.00	11,661.59	14,474.96	12,865.66	28.80	27.45	-172.20	-1,356.15	-763.01	1,215.38	1,157.61	57.78	21.036	
13,400.00	11,662.45	14,574.96	12,866.54	29.73	28.36	-172.20	-1,456.14	-762.15	1,215.39	1,157.25	58.15	20.903	
13,500.00	11,663.32	14,674.96	12,867.42	30.69	29.30	-172.20	-1,556.13	-761.29	1,215.40	1,156.88	58.53	20.766	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
13,600.00	11,664.18	14,774.96	12,868.29	31.67	30.27	-172.20	-1,656.12	-760.43	1,215.42	1,156.49	58.93	20.626	
13,700.00	11,665.05	14,874.96	12,869.17	32.69	31.28	-172.20	-1,756.12	-759.57	1,215.43	1,156.09	59.34	20.483	
13,800.00	11,665.92	14,974.96	12,870.05	33.73	32.32	-172.20	-1,856.11	-758.71	1,215.44	1,155.68	59.76	20.338	
13,900.00	11,666.78	15,074.96	12,870.93	34.79	33.38	-172.20	-1,956.10	-757.85	1,215.45	1,155.25	60.20	20.191	
14,000.00	11,667.65	15,174.96	12,871.81	35.88	34.46	-172.20	-2,056.09	-756.99	1,215.46	1,154.82	60.65	20.042	
14,100.00	11,668.51	15,274.96	12,872.68	36.98	35.56	-172.20	-2,156.09	-756.13	1,215.47	1,154.37	61.11	19.891	
14,200.00	11,669.38	15,374.96	12,873.56	38.10	36.69	-172.20	-2,256.08	-755.27	1,215.49	1,153.91	61.58	19.738	
14,300.00	11,670.24	15,474.96	12,874.44	39.23	37.83	-172.20	-2,356.07	-754.41	1,215.50	1,153.43	62.06	19.584	
14,400.00	11,671.11	15,574.96	12,875.32	40.38	38.98	-172.20	-2,456.06	-753.55	1,215.51	1,152.95	62.56	19.429	
14,500.00	11,671.98	15,674.96	12,876.20	41.55	40.15	-172.20	-2,556.06	-752.69	1,215.52	1,152.45	63.07	19.273	
14,600.00	11,672.84	15,774.96	12,877.07	42.72	41.33	-172.20	-2,656.05	-751.83	1,215.53	1,151.95	63.59	19.117	
14,700.00	11,673.71	15,874.96	12,877.95	43.91	42.53	-172.20	-2,756.04	-750.97	1,215.55	1,151.43	64.11	18.959	
14,800.00	11,674.57	15,974.96	12,878.83	45.11	43.73	-172.20	-2,856.03	-750.10	1,215.56	1,150.90	64.65	18.801	
14,900.00	11,675.44	16,074.96	12,879.71	46.32	44.95	-172.20	-2,956.02	-749.24	1,215.57	1,150.37	65.20	18.643	
15,000.00	11,676.31	16,174.96	12,880.59	47.53	46.17	-172.20	-3,056.02	-748.38	1,215.58	1,149.82	65.76	18.485	
15,100.00	11,677.17	16,274.96	12,881.46	48.76	47.40	-172.20	-3,156.01	-747.52	1,215.59	1,149.26	66.33	18.327	
15,200.00	11,678.04	16,374.96	12,882.34	49.99	48.64	-172.20	-3,256.00	-746.66	1,215.60	1,148.70	66.91	18.169	
15,300.00	11,678.90	16,474.96	12,883.22	51.23	49.89	-172.20	-3,355.99	-745.80	1,215.62	1,148.12	67.49	18.011	
15,400.00	11,679.77	16,574.96	12,884.10	52.47	51.14	-172.20	-3,455.99	-744.94	1,215.63	1,147.54	68.09	17.854	
15,500.00	11,680.64	16,674.96	12,884.97	53.73	52.40	-172.20	-3,555.98	-744.08	1,215.64	1,146.95	68.69	17.697	
15,600.00	11,681.50	16,774.96	12,885.85	54.98	53.66	-172.20	-3,655.97	-743.22	1,215.65	1,146.35	69.30	17.541	
15,700.00	11,682.37	16,874.96	12,886.73	56.25	54.93	-172.20	-3,755.96	-742.36	1,215.66	1,145.74	69.92	17.385	
15,800.00	11,683.23	16,974.96	12,887.61	57.52	56.21	-172.20	-3,855.96	-741.50	1,215.67	1,145.12	70.55	17.231	
15,900.00	11,684.10	17,074.96	12,888.49	58.79	57.49	-172.20	-3,955.95	-740.64	1,215.69	1,144.50	71.19	17.077	
16,000.00	11,684.97	17,174.96	12,889.36	60.06	58.77	-172.20	-4,055.94	-739.78	1,215.70	1,143.86	71.83	16.924	
16,100.00	11,685.83	17,274.96	12,890.24	61.35	60.06	-172.20	-4,155.93	-738.92	1,215.71	1,143.23	72.48	16.772	
16,200.00	11,686.70	17,374.96	12,891.12	62.63	61.35	-172.20	-4,255.93	-738.06	1,215.72	1,142.58	73.14	16.621	
16,300.00	11,687.56	17,474.96	12,892.00	63.92	62.64	-172.20	-4,355.92	-737.20	1,215.73	1,141.93	73.81	16.472	
16,400.00	11,688.43	17,574.96	12,892.88	65.21	63.94	-172.20	-4,455.91	-736.34	1,215.74	1,141.27	74.48	16.323	
16,500.00	11,689.30	17,674.96	12,893.75	66.51	65.24	-172.20	-4,555.90	-735.48	1,215.76	1,140.60	75.16	16.176	
16,600.00	11,690.16	17,774.96	12,894.63	67.80	66.54	-172.20	-4,655.90	-734.62	1,215.77	1,139.93	75.84	16.030	
16,700.00	11,691.03	17,874.96	12,895.51	69.10	67.85	-172.20	-4,755.89	-733.76	1,215.78	1,139.25	76.53	15.886	
16,800.00	11,691.89	17,974.96	12,896.39	70.41	69.16	-172.20	-4,855.88	-732.90	1,215.79	1,138.56	77.23	15.742	
16,900.00	11,692.76	18,074.96	12,897.27	71.71	70.47	-172.20	-4,955.87	-732.04	1,215.80	1,137.87	77.93	15.600	
17,000.00	11,693.63	18,174.96	12,898.14	73.02	71.78	-172.20	-5,055.87	-731.18	1,215.82	1,137.17	78.64	15.460	
17,100.00	11,694.49	18,274.96	12,899.02	74.33	73.10	-172.20	-5,155.86	-730.32	1,215.83	1,136.47	79.36	15.321	
17,200.00	11,695.36	18,374.96	12,899.90	75.64	74.42	-172.20	-5,255.85	-729.46	1,215.84	1,135.76	80.08	15.183	
17,300.00	11,696.22	18,474.96	12,900.78	76.96	75.74	-172.20	-5,355.84	-728.60	1,215.85	1,135.05	80.80	15.047	
17,400.00	11,697.09	18,574.96	12,901.65	78.28	77.06	-172.20	-5,455.84	-727.74	1,215.86	1,134.33	81.53	14.913	
17,500.00	11,697.96	18,674.96	12,902.53	79.59	78.38	-172.20	-5,555.83	-726.88	1,215.87	1,133.61	82.27	14.779	
17,600.00	11,698.82	18,774.96	12,903.41	80.91	79.70	-172.20	-5,655.82	-726.01	1,215.89	1,132.88	83.01	14.648	
17,700.00	11,699.69	18,874.96	12,904.29	82.24	81.03	-172.20	-5,755.81	-725.15	1,215.90	1,132.14	83.75	14.518	
17,800.00	11,700.55	18,974.96	12,905.17	83.56	82.36	-172.20	-5,855.81	-724.29	1,215.91	1,131.41	84.50	14.389	
17,900.00	11,701.42	19,074.96	12,906.04	84.88	83.69	-172.20	-5,955.80	-723.43	1,215.92	1,130.66	85.26	14.262	
18,000.00	11,702.29	19,174.96	12,906.92	86.21	85.02	-172.20	-6,055.79	-722.57	1,215.93	1,129.92	86.01	14.136	
18,100.00	11,703.15	19,274.96	12,907.80	87.54	86.35	-172.20	-6,155.78	-721.71	1,215.94	1,129.17	86.78	14.012	
18,200.00	11,704.02	19,374.96	12,908.68	88.87	87.68	-172.20	-6,255.78	-720.85	1,215.96	1,128.41	87.54	13.890	
18,300.00	11,704.88	19,474.96	12,909.56	90.20	89.01	-172.20	-6,355.77	-719.99	1,215.97	1,127.65	88.31	13.769	
18,400.00	11,705.75	19,574.96	12,910.43	91.53	90.35	-172.20	-6,455.76	-719.13	1,215.98	1,126.89	89.09	13.649	
18,500.00	11,706.62	19,674.96	12,911.31	92.86	91.69	-172.20	-6,555.75	-718.27	1,215.99	1,126.12	89.87	13.531	
18,600.00	11,707.48	19,774.96	12,912.19	94.19	93.02	-172.20	-6,655.75	-717.41	1,216.00	1,125.35	90.65	13.414	
18,700.00	11,708.35	19,874.96	12,913.07	95.53	94.36	-172.20	-6,755.74	-716.55	1,216.01	1,124.58	91.44	13.299	

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

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
18,800.00	11,709.21	19,974.96	12,913.95	96.87	95.70	-172.20	-6,855.73	-715.69	1,216.03	1,123.80	92.23	13.185	
18,900.00	11,710.08	20,074.96	12,914.82	98.20	97.04	-172.20	-6,955.72	-714.83	1,216.04	1,123.02	93.02	13.073	
19,000.00	11,710.95	20,174.96	12,915.70	99.54	98.38	-172.20	-7,055.72	-713.97	1,216.05	1,122.23	93.82	12.962	
19,100.00	11,711.81	20,274.96	12,916.58	100.88	99.72	-172.20	-7,155.71	-713.11	1,216.06	1,121.45	94.62	12.853	
19,200.00	11,712.68	20,374.96	12,917.46	102.22	101.06	-172.20	-7,255.70	-712.25	1,216.07	1,120.65	95.42	12.745	
19,300.00	11,713.54	20,474.96	12,918.33	103.56	102.41	-172.20	-7,355.69	-711.39	1,216.09	1,119.86	96.22	12.638	
19,400.00	11,714.41	20,574.96	12,919.21	104.90	103.75	-172.20	-7,455.68	-710.53	1,216.10	1,119.06	97.03	12.533	
19,500.00	11,715.28	20,674.96	12,920.09	106.24	105.09	-172.20	-7,555.68	-709.67	1,216.11	1,118.26	97.85	12.429	
19,600.00	11,716.14	20,774.96	12,920.97	107.58	106.44	-172.20	-7,655.67	-708.81	1,216.12	1,117.46	98.66	12.326	
19,700.00	11,717.01	20,874.96	12,921.85	108.92	107.78	-172.20	-7,755.66	-707.95	1,216.13	1,116.65	99.48	12.225	
19,800.00	11,717.87	20,974.96	12,922.72	110.27	109.13	-172.20	-7,855.65	-707.09	1,216.14	1,115.84	100.30	12.125	
19,900.00	11,718.74	21,074.96	12,923.60	111.61	110.48	-172.20	-7,955.65	-706.23	1,216.16	1,115.03	101.12	12.027	
20,000.00	11,719.61	21,174.96	12,924.48	112.96	111.82	-172.20	-8,055.64	-705.37	1,216.17	1,114.22	101.95	11.929	
20,100.00	11,720.47	21,274.96	12,925.36	114.30	113.17	-172.20	-8,155.63	-704.51	1,216.18	1,113.40	102.78	11.833	
20,200.00	11,721.34	21,374.96	12,926.24	115.65	114.52	-172.20	-8,255.62	-703.65	1,216.19	1,112.58	103.61	11.738	
20,300.00	11,722.20	21,474.96	12,927.11	117.00	115.87	-172.20	-8,355.62	-702.79	1,216.20	1,111.76	104.44	11.645	
20,400.00	11,723.07	21,574.96	12,927.99	118.34	117.22	-172.20	-8,455.61	-701.92	1,216.21	1,110.94	105.28	11.552	
20,500.00	11,723.94	21,674.96	12,928.87	119.69	118.57	-172.20	-8,555.60	-701.06	1,216.23	1,110.11	106.12	11.461	
20,600.00	11,724.80	21,774.96	12,929.75	121.04	119.92	-172.20	-8,655.59	-700.20	1,216.24	1,109.28	106.96	11.371	
20,700.00	11,725.67	21,874.96	12,930.63	122.39	121.27	-172.20	-8,755.59	-699.34	1,216.25	1,108.45	107.80	11.283	
20,800.00	11,726.53	21,974.96	12,931.50	123.74	122.62	-172.20	-8,855.58	-698.48	1,216.26	1,107.62	108.64	11.195	
20,900.00	11,727.40	22,074.96	12,932.38	125.09	123.97	-172.20	-8,955.57	-697.62	1,216.27	1,106.78	109.49	11.108	
21,000.00	11,728.27	22,174.96	12,933.26	126.44	125.33	-172.20	-9,055.56	-696.76	1,216.28	1,105.94	110.34	11.023	
21,100.00	11,729.13	22,274.96	12,934.14	127.79	126.68	-172.20	-9,155.56	-695.90	1,216.30	1,105.11	111.19	10.939	
21,200.00	11,730.00	22,374.96	12,935.01	129.14	128.03	-172.20	-9,255.55	-695.04	1,216.31	1,104.26	112.04	10.856	
21,300.00	11,730.86	22,474.96	12,935.89	130.49	129.38	-172.20	-9,355.54	-694.18	1,216.32	1,103.42	112.90	10.774	
21,400.00	11,731.73	22,574.96	12,936.77	131.84	130.74	-172.20	-9,455.53	-693.32	1,216.33	1,102.58	113.76	10.692	
21,500.00	11,732.60	22,674.96	12,937.65	133.19	132.09	-172.20	-9,555.53	-692.46	1,216.34	1,101.73	114.61	10.612	
21,600.00	11,733.46	22,774.96	12,938.53	134.54	133.44	-172.20	-9,655.52	-691.60	1,216.35	1,100.88	115.48	10.533	
21,700.00	11,734.33	22,874.96	12,939.40	135.90	134.80	-172.20	-9,755.51	-690.74	1,216.37	1,100.03	116.34	10.455	
21,800.00	11,735.19	22,974.96	12,940.28	137.25	136.15	-172.20	-9,855.50	-689.88	1,216.38	1,099.18	117.20	10.378	
21,900.00	11,736.06	23,074.96	12,941.16	138.60	137.51	-172.20	-9,955.50	-689.02	1,216.39	1,098.32	118.07	10.302	
22,000.00	11,736.93	23,174.96	12,942.04	139.96	138.77	-172.20	-10,055.49	-688.16	1,216.40	1,097.61	118.80	10.239	
22,008.51	11,737.00	23,183.48	12,942.11	140.07	138.88	-172.20	-10,064.00	-688.09	1,216.40	1,097.55	118.85	10.235	

Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	-10.49	135.00	-25.00	137.30				
100.00	100.00	99.00	99.00	0.98	0.97	-10.49	135.00	-25.00	137.30	135.34	1.95	70.230	
200.00	200.00	199.00	199.00	1.56	1.56	-10.49	135.00	-25.00	137.30	134.18	3.12	44.058	
300.00	300.00	299.00	299.00	1.98	1.98	-10.49	135.00	-25.00	137.30	133.34	3.96	34.687	
400.00	400.00	399.00	399.00	2.33	2.33	-10.49	135.00	-25.00	137.30	132.64	4.66	29.492	
500.00	500.00	499.00	499.00	2.63	2.63	-10.49	135.00	-25.00	137.30	132.03	5.27	26.072	
600.00	599.99	598.99	598.99	2.98	2.91	55.50	135.00	-25.00	136.55	130.71	5.84	23.396	
700.00	699.91	698.91	698.91	3.29	3.16	56.90	135.00	-25.00	134.36	128.01	6.36	21.140	
800.00	799.69	798.69	798.69	3.58	3.40	59.34	135.00	-25.00	130.90	124.07	6.84	19.145	
833.33	832.91	831.91	831.91	3.60	3.47	60.41	135.00	-25.00	129.52	122.58	6.93	18.679	
900.00	899.32	898.32	898.32	3.70	3.62	62.69	135.00	-25.00	126.74	119.57	7.17	17.678	
1,000.00	998.94	997.94	997.94	3.92	3.83	66.29	135.00	-25.00	122.97	115.38	7.59	16.192	
1,100.00	1,098.56	1,097.56	1,097.56	4.14	4.03	70.10	135.00	-25.00	119.72	111.72	8.00	14.959	
1,200.00	1,198.18	1,197.18	1,197.18	4.36	4.23	74.10	135.00	-25.00	117.03	108.63	8.40	13.927	
1,201.83	1,200.00	1,199.00	1,199.00	4.36	4.23	74.17	135.00	-25.00	116.99	108.58	8.41	13.910	
1,300.00	1,297.68	1,296.68	1,296.68	4.60	4.41	78.90	135.00	-25.00	114.69	105.90	8.78	13.056	
1,400.00	1,396.88	1,395.88	1,395.88	4.86	4.59	85.15	135.00	-25.00	112.93	103.77	9.16	12.323	
1,465.49	1,461.66	1,460.66	1,460.66	5.02	4.71	90.00	135.00	-25.00	112.52	103.10	9.41	11.953	CC, ES
1,500.00	1,495.72	1,494.72	1,494.72	5.10	4.77	92.77	135.00	-25.00	112.65	103.11	9.55	11.800	
1,600.00	1,594.13	1,591.24	1,591.23	5.35	4.96	101.69	135.13	-23.92	115.66	105.71	9.95	11.623	
1,634.85	1,628.31	1,624.52	1,624.50	5.39	5.03	105.07	135.25	-22.99	117.98	107.91	10.06	11.724	
1,700.00	1,692.16	1,686.35	1,686.28	5.49	5.14	111.39	135.55	-20.49	124.20	113.90	10.30	12.054	
1,800.00	1,790.15	1,780.38	1,780.13	5.70	5.32	120.16	136.25	-14.79	138.30	127.56	10.73	12.884	
1,900.00	1,888.15	1,874.82	1,874.23	5.90	5.42	127.57	137.21	-6.98	157.25	146.17	11.08	14.192	
2,000.00	1,986.14	1,970.96	1,970.01	6.11	5.55	133.50	138.23	1.33	178.71	167.25	11.46	15.593	
2,100.00	2,084.14	2,067.10	2,065.78	6.32	5.70	138.16	139.25	9.65	201.65	189.80	11.85	17.023	
2,200.00	2,182.13	2,163.23	2,161.56	6.53	5.85	141.86	140.28	17.97	225.61	213.38	12.22	18.455	
2,300.00	2,280.12	2,256.31	2,254.25	6.75	6.00	144.73	141.52	26.31	250.65	238.07	12.59	19.913	
2,400.00	2,378.12	2,346.72	2,344.11	6.97	6.16	146.79	144.01	35.91	277.97	265.03	12.94	21.485	
2,500.00	2,476.11	2,436.28	2,432.89	7.20	6.33	148.26	147.85	47.01	307.44	294.16	13.29	23.141	
2,600.00	2,574.11	2,524.90	2,520.47	7.44	6.50	149.25	152.99	59.55	338.89	325.26	13.63	24.865	
2,700.00	2,672.10	2,612.52	2,606.74	7.69	6.67	149.89	159.38	73.45	372.18	358.21	13.97	26.645	
2,800.00	2,770.10	2,702.46	2,694.92	7.94	6.85	150.25	167.28	89.27	407.24	392.91	14.33	28.412	
2,900.00	2,868.09	2,792.04	2,782.55	8.20	7.00	150.46	175.84	105.81	443.19	428.52	14.67	30.205	
3,000.00	2,966.08	2,885.34	2,873.81	8.46	7.15	150.65	184.74	123.03	479.17	464.12	15.05	31.847	
3,100.00	3,064.08	2,978.63	2,965.06	8.72	7.31	150.82	193.65	140.26	515.15	499.73	15.42	33.403	
3,200.00	3,162.07	3,071.93	3,056.32	8.98	7.48	150.96	202.56	157.48	551.13	535.33	15.80	34.878	
3,300.00	3,260.07	3,165.22	3,147.58	9.25	7.64	151.09	211.47	174.70	587.12	570.94	16.18	36.279	
3,400.00	3,358.06	3,258.51	3,238.83	9.51	7.81	151.20	220.38	191.93	623.11	606.54	16.57	37.611	
3,500.00	3,456.05	3,351.81	3,330.09	9.77	7.98	151.30	229.28	209.15	659.10	642.14	16.95	38.876	
3,600.00	3,554.05	3,445.10	3,421.34	10.04	8.16	151.39	238.19	226.38	695.09	677.75	17.34	40.080	
3,700.00	3,652.04	3,538.39	3,512.60	10.31	8.38	151.47	247.10	243.60	731.08	713.35	17.73	41.227	
3,800.00	3,750.04	3,631.69	3,603.86	10.57	8.59	151.54	256.01	260.83	767.08	748.95	18.13	42.320	
3,900.00	3,848.03	3,724.98	3,695.11	10.84	8.81	151.61	264.92	278.05	803.07	784.55	18.52	43.362	
4,000.00	3,946.02	3,818.27	3,786.37	11.11	9.03	151.67	273.82	295.27	839.07	820.15	18.92	44.357	
4,100.00	4,044.02	3,911.57	3,877.62	11.37	9.25	151.72	282.73	312.50	875.06	855.75	19.31	45.307	
4,200.00	4,142.01	4,004.86	3,968.88	11.64	9.48	151.77	291.64	329.72	911.06	891.35	19.71	46.215	
4,300.00	4,240.01	4,098.15	4,060.13	11.91	9.71	151.82	300.55	346.95	947.06	926.94	20.11	47.084	
4,400.00	4,338.00	4,191.45	4,151.39	12.18	9.93	151.86	309.45	364.17	983.06	962.54	20.52	47.915	
4,500.00	4,435.99	4,284.74	4,242.65	12.45	10.16	151.90	318.36	381.39	1,019.06	998.13	20.92	48.711	
4,600.00	4,533.99	4,378.03	4,333.90	12.72	10.40	151.94	327.27	398.62	1,055.05	1,033.73	21.33	49.474	
4,700.00	4,631.98	4,471.33	4,425.16	12.99	10.63	151.98	336.18	415.84	1,091.05	1,069.32	21.73	50.206	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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	4,729.98	4,564.62	4,516.41	13.26	10.86	152.01	345.09	433.07	1,127.05	1,104.91	22.14	50.908	
4,900.00	4,827.97	4,657.91	4,607.67	13.53	11.10	152.04	353.99	450.29	1,163.05	1,140.51	22.55	51.583	
5,000.00	4,925.97	4,751.21	4,698.93	13.80	11.34	152.07	362.90	467.51	1,199.05	1,176.10	22.96	52.231	
5,100.00	5,023.96	4,844.50	4,790.18	14.07	11.58	152.10	371.81	484.74	1,235.05	1,211.69	23.37	52.853	
5,200.00	5,121.95	4,937.79	4,881.44	14.34	11.82	152.12	380.72	501.96	1,271.06	1,247.28	23.78	53.453	
5,300.00	5,219.95	5,031.09	4,972.69	14.61	12.06	152.15	389.63	519.19	1,307.06	1,282.87	24.19	54.029	
5,400.00	5,317.94	5,124.38	5,063.95	14.88	12.29	152.17	398.53	536.41	1,343.06	1,318.46	24.60	54.602	
5,500.00	5,415.94	5,247.05	5,184.15	15.15	12.57	152.22	409.77	558.14	1,378.42	1,353.30	25.12	54.877	
5,600.00	5,513.93	5,388.36	5,323.48	15.42	12.89	152.36	420.58	579.05	1,410.85	1,385.11	25.73	54.827	
5,700.00	5,611.92	5,532.66	5,466.56	15.69	13.17	152.58	429.17	595.66	1,440.07	1,413.75	26.32	54.717	
5,800.00	5,709.92	5,679.64	5,612.90	15.96	13.40	152.90	435.37	607.63	1,465.99	1,439.12	26.87	54.558	
5,900.00	5,807.91	5,828.91	5,761.96	16.24	13.59	153.30	439.00	614.66	1,488.54	1,461.16	27.38	54.360	
5,905.98	5,813.78	5,837.91	5,770.95	16.26	13.59	153.32	439.14	614.92	1,489.78	1,462.37	27.41	54.348	
6,000.00	5,906.13	5,972.11	5,905.13	16.50	13.69	153.84	439.99	616.57	1,506.69	1,478.92	27.77	54.249	
6,100.00	6,004.80	6,070.78	6,003.80	16.73	13.76	154.21	439.99	616.57	1,521.31	1,493.26	28.05	54.240	
6,200.00	6,103.86	6,169.84	6,102.86	16.93	13.83	154.51	439.99	616.57	1,533.62	1,505.30	28.32	54.148	
6,300.00	6,203.25	6,269.23	6,202.25	17.11	13.90	154.75	439.99	616.57	1,543.60	1,515.01	28.59	53.996	
6,400.00	6,302.89	6,368.87	6,301.89	17.27	13.97	154.93	439.99	616.57	1,551.24	1,522.40	28.84	53.786	
6,500.00	6,402.72	6,468.70	6,401.72	17.39	14.05	155.06	439.99	616.57	1,556.51	1,527.43	29.08	53.524	
6,600.00	6,502.67	6,568.64	6,501.67	17.49	14.12	155.12	439.99	616.57	1,559.41	1,530.11	29.30	53.217	
6,672.34	6,575.00	6,640.98	6,574.00	17.53	14.17	89.61	439.99	616.57	1,560.04	1,530.63	29.41	53.043	
6,700.00	6,602.66	6,668.64	6,601.66	17.54	14.19	89.61	439.99	616.57	1,560.04	1,530.60	29.44	52.996	
6,800.00	6,702.66	6,768.64	6,701.66	17.60	14.27	89.61	439.99	616.57	1,560.04	1,530.47	29.57	52.763	
6,900.00	6,802.66	6,868.64	6,801.66	17.66	14.34	89.61	439.99	616.57	1,560.04	1,530.34	29.70	52.532	
7,000.00	6,902.66	6,968.64	6,901.66	17.71	14.42	89.61	439.99	616.57	1,560.04	1,530.21	29.83	52.302	
7,100.00	7,002.66	7,068.64	7,001.66	17.77	14.49	89.61	439.99	616.57	1,560.04	1,530.08	29.96	52.073	
7,200.00	7,102.66	7,168.64	7,101.66	17.83	14.56	89.61	439.99	616.57	1,560.04	1,529.95	30.09	51.846	
7,300.00	7,202.66	7,268.64	7,201.66	17.89	14.64	89.61	439.99	616.57	1,560.04	1,529.82	30.22	51.621	
7,400.00	7,302.66	7,368.64	7,301.66	17.95	14.71	89.61	439.99	616.57	1,560.04	1,529.68	30.35	51.397	
7,500.00	7,402.66	7,468.64	7,401.66	18.01	14.79	89.61	439.99	616.57	1,560.04	1,529.55	30.48	51.174	
7,600.00	7,502.66	7,568.64	7,501.66	18.07	14.86	89.61	439.99	616.57	1,560.04	1,529.42	30.62	50.953	
7,700.00	7,602.66	7,668.64	7,601.66	18.13	14.93	89.61	439.99	616.57	1,560.04	1,529.29	30.75	50.733	
7,800.00	7,702.66	7,768.64	7,701.66	18.19	15.01	89.61	439.99	616.57	1,560.04	1,529.15	30.88	50.515	
7,900.00	7,802.66	7,868.64	7,801.66	18.25	15.08	89.61	439.99	616.57	1,560.04	1,529.02	31.02	50.298	
8,000.00	7,902.66	7,968.64	7,901.66	18.31	15.16	89.61	439.99	616.57	1,560.04	1,528.89	31.15	50.082	
8,100.00	8,002.66	8,068.64	8,001.66	18.37	15.23	89.61	439.99	616.57	1,560.04	1,528.75	31.28	49.868	
8,200.00	8,102.66	8,168.64	8,101.66	18.43	15.31	89.61	439.99	616.57	1,560.04	1,528.62	31.42	49.655	
8,300.00	8,202.66	8,268.64	8,201.66	18.50	15.38	89.61	439.99	616.57	1,560.04	1,528.48	31.55	49.444	
8,400.00	8,302.66	8,368.64	8,301.66	18.56	15.46	89.61	439.99	616.57	1,560.04	1,528.35	31.69	49.234	
8,500.00	8,402.66	8,468.64	8,401.66	18.62	15.53	89.61	439.99	616.57	1,560.04	1,528.22	31.82	49.026	
8,600.00	8,502.66	8,568.64	8,501.66	18.68	15.61	89.61	439.99	616.57	1,560.04	1,528.08	31.96	48.819	
8,700.00	8,602.66	8,668.64	8,601.66	18.74	15.68	89.61	439.99	616.57	1,560.04	1,527.95	32.09	48.613	
8,800.00	8,702.66	8,768.64	8,701.66	18.80	15.76	89.61	439.99	616.57	1,560.04	1,527.81	32.23	48.408	
8,900.00	8,802.66	8,868.64	8,801.66	18.87	15.83	89.61	439.99	616.57	1,560.04	1,527.67	32.36	48.205	
9,000.00	8,902.66	8,968.64	8,901.66	18.93	15.91	89.61	439.99	616.57	1,560.04	1,527.54	32.50	48.004	
9,100.00	9,002.66	9,068.64	9,001.66	18.99	15.98	89.61	439.99	616.57	1,560.04	1,527.40	32.63	47.803	
9,200.00	9,102.66	9,168.64	9,101.66	19.05	16.06	89.61	439.99	616.57	1,560.04	1,527.27	32.77	47.604	
9,300.00	9,202.66	9,268.64	9,201.66	19.12	16.13	89.61	439.99	616.57	1,560.04	1,527.13	32.91	47.406	
9,400.00	9,302.66	9,368.64	9,301.66	19.18	16.21	89.61	439.99	616.57	1,560.04	1,526.99	33.04	47.210	
9,500.00	9,402.66	9,468.64	9,401.66	19.24	16.29	89.61	439.99	616.57	1,560.04	1,526.85	33.18	47.015	
9,600.00	9,502.66	9,568.64	9,501.66	19.30	16.36	89.61	439.99	616.57	1,560.04	1,526.72	33.32	46.821	
9,700.00	9,602.66	9,668.64	9,601.66	19.37	16.44	89.61	439.99	616.57	1,560.04	1,526.58	33.46	46.628	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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
9,800.00	9,702.66	9,768.64	9,701.66	19.43	16.51	89.61	439.99	616.57	1,560.04	1,526.44	33.59	46.437	
9,900.00	9,802.66	9,868.64	9,801.66	19.49	16.59	89.61	439.99	616.57	1,560.04	1,526.30	33.73	46.247	
10,000.00	9,902.66	9,968.64	9,901.66	19.56	16.66	89.61	439.99	616.57	1,560.04	1,526.17	33.87	46.058	
10,100.00	10,002.66	10,068.64	10,001.66	19.62	16.74	89.61	439.99	616.57	1,560.04	1,526.03	34.01	45.871	
10,200.00	10,102.66	10,168.64	10,101.66	19.69	16.82	89.61	439.99	616.57	1,560.04	1,525.89	34.15	45.684	
10,300.00	10,202.66	10,268.64	10,201.66	19.75	16.89	89.61	439.99	616.57	1,560.04	1,525.75	34.29	45.499	
10,400.00	10,302.66	10,368.64	10,301.66	19.81	16.97	89.61	439.99	616.57	1,560.04	1,525.61	34.43	45.315	
10,500.00	10,402.66	10,468.64	10,401.66	19.88	17.04	89.61	439.99	616.57	1,560.04	1,525.47	34.57	45.133	
10,600.00	10,502.66	10,568.64	10,501.66	19.94	17.12	89.61	439.99	616.57	1,560.04	1,525.33	34.70	44.951	
10,700.00	10,602.66	10,668.64	10,601.66	20.01	17.20	89.61	439.99	616.57	1,560.04	1,525.19	34.84	44.771	
10,800.00	10,702.66	10,768.64	10,701.66	20.07	17.27	89.61	439.99	616.57	1,560.04	1,525.05	34.98	44.592	
10,900.00	10,802.66	10,868.64	10,801.66	20.14	17.35	89.61	439.99	616.57	1,560.04	1,524.91	35.12	44.414	
11,000.00	10,902.66	10,968.64	10,901.66	20.20	17.43	89.61	439.99	616.57	1,560.04	1,524.77	35.26	44.238	
11,100.00	11,002.66	11,068.64	11,001.66	20.27	17.50	89.61	439.99	616.57	1,560.04	1,524.63	35.41	44.062	
11,175.34	11,078.00	11,143.98	11,077.00	20.31	17.56	89.61	439.99	616.57	1,560.04	1,524.53	35.50	43.943	
11,200.00	11,102.65	11,168.63	11,101.65	20.31	17.58	-89.92	439.99	616.57	1,560.04	1,524.52	35.52	43.920	
11,232.10	11,134.67	11,200.65	11,133.67	20.32	17.60	-90.00	439.99	616.57	1,560.03	1,524.50	35.53	43.907	
11,250.00	11,152.45	11,218.43	11,151.45	20.33	17.62	-90.07	439.99	616.57	1,560.04	1,524.50	35.54	43.900	
11,300.00	11,201.68	11,267.66	11,200.68	20.35	17.66	-90.38	439.99	616.57	1,560.07	1,524.53	35.54	43.901	
11,350.00	11,249.97	11,315.95	11,248.97	20.35	17.69	-90.83	439.99	616.57	1,560.21	1,524.69	35.52	43.924	
11,400.00	11,296.95	11,362.93	11,295.95	20.35	17.73	-91.38	439.99	616.57	1,560.56	1,525.07	35.49	43.972	
11,450.00	11,342.26	11,408.24	11,341.26	20.35	17.76	-92.01	439.99	616.57	1,561.26	1,525.81	35.45	44.047	
11,500.00	11,385.56	11,451.54	11,384.56	20.34	17.80	-92.69	439.99	616.57	1,562.44	1,527.05	35.39	44.151	
11,550.00	11,426.53	11,492.50	11,425.53	20.33	17.83	-93.36	439.99	616.57	1,564.29	1,528.97	35.32	44.288	
11,600.00	11,464.83	11,530.81	11,463.83	20.33	17.86	-93.99	439.99	616.57	1,566.99	1,531.75	35.24	44.461	
11,650.00	11,500.20	11,566.18	11,499.20	20.34	17.88	-94.53	439.99	616.57	1,570.71	1,535.55	35.16	44.672	
11,700.00	11,532.35	11,598.33	11,531.35	20.35	17.91	-94.93	439.99	616.57	1,575.62	1,540.55	35.07	44.924	
11,750.00	11,561.05	11,627.02	11,560.05	20.38	17.93	-95.16	439.99	616.57	1,581.88	1,546.90	34.98	45.221	
11,800.00	11,586.06	11,652.04	11,585.06	20.42	17.95	-95.17	439.99	616.57	1,589.62	1,554.74	34.89	45.562	
11,850.00	11,607.21	11,673.19	11,606.21	20.48	17.97	-94.92	439.99	616.57	1,598.94	1,564.14	34.80	45.951	
11,900.00	11,624.34	11,690.32	11,623.34	20.56	17.98	-94.39	439.99	616.57	1,609.89	1,575.18	34.71	46.386	
11,950.00	11,637.30	11,703.28	11,636.30	20.66	17.99	-93.55	439.99	616.57	1,622.48	1,587.86	34.62	46.868	
12,000.00	11,646.01	11,711.99	11,645.01	20.77	18.00	-92.38	439.99	616.57	1,636.69	1,602.16	34.53	47.394	
12,050.00	11,650.40	11,716.38	11,649.40	20.91	18.00	-90.88	439.99	616.57	1,652.43	1,617.98	34.45	47.963	
12,070.38	11,650.94	11,716.91	11,649.94	20.97	18.00	-90.18	439.99	616.57	1,659.26	1,624.84	34.42	48.207	
12,100.00	11,651.19	11,717.17	11,650.19	21.07	18.00	-90.19	439.99	616.57	1,669.58	1,635.21	34.37	48.572	
12,200.00	11,652.06	11,718.04	11,651.06	21.42	18.00	-90.22	439.99	616.57	1,707.76	1,673.51	34.26	49.850	
12,300.00	11,652.93	11,718.90	11,651.93	21.84	18.00	-90.25	439.99	616.57	1,750.83	1,716.65	34.18	51.226	
12,400.00	11,653.79	11,719.77	11,652.79	22.31	18.00	-90.28	439.99	616.57	1,798.44	1,764.30	34.13	52.690	
12,500.00	11,654.66	11,720.63	11,653.66	22.84	18.00	-90.32	439.99	616.57	1,850.22	1,816.11	34.12	54.232	
12,600.00	11,655.52	11,721.50	11,654.52	23.42	18.00	-90.35	439.99	616.57	1,905.85	1,871.72	34.13	55.845	
12,700.00	11,656.39	13,867.00	12,863.33	24.05	22.38	-129.13	-744.91	551.81	1,914.33	1,866.05	48.29	39.646	
12,800.00	11,657.26	13,967.00	12,864.20	24.73	23.14	-129.13	-844.91	552.67	1,914.34	1,865.09	49.24	38.875	
12,900.00	11,658.12	14,067.00	12,865.06	25.46	23.95	-129.13	-944.90	553.53	1,914.34	1,864.06	50.28	38.074	
13,000.00	11,658.99	14,167.00	12,865.93	26.23	24.81	-129.13	-1,044.89	554.39	1,914.34	1,862.95	51.39	37.253	
13,100.00	11,659.85	14,267.00	12,866.80	27.05	25.72	-129.13	-1,144.88	555.25	1,914.34	1,861.77	52.56	36.419	
13,200.00	11,660.72	14,367.00	12,867.67	27.90	26.67	-129.13	-1,244.88	556.11	1,914.34	1,860.53	53.81	35.578	
13,300.00	11,661.59	14,467.00	12,868.54	28.80	27.66	-129.13	-1,344.87	556.97	1,914.34	1,859.23	55.11	34.738	
13,400.00	11,662.45	14,567.00	12,869.40	29.73	28.67	-129.13	-1,444.86	557.83	1,914.34	1,857.88	56.46	33.903	
13,500.00	11,663.32	14,667.00	12,870.27	30.69	29.72	-129.13	-1,544.85	558.70	1,914.34	1,856.47	57.87	33.078	
13,600.00	11,664.18	14,767.00	12,871.14	31.67	30.79	-129.13	-1,644.85	559.56	1,914.35	1,855.02	59.33	32.266	
13,700.00	11,665.05	14,867.00	12,872.01	32.69	31.89	-129.13	-1,744.84	560.42	1,914.35	1,853.52	60.83	31.470	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	11,665.92	14,967.00	12,872.88	33.73	33.01	-129.13	-1,844.83	561.28	1,914.35	1,851.97	62.37	30.691	
13,900.00	11,666.78	15,067.00	12,873.74	34.79	34.14	-129.13	-1,944.82	562.14	1,914.35	1,850.39	63.96	29.932	
14,000.00	11,667.65	15,167.00	12,874.61	35.88	35.30	-129.13	-2,044.82	563.00	1,914.35	1,848.78	65.57	29.194	
14,100.00	11,668.51	15,267.00	12,875.48	36.98	36.46	-129.13	-2,144.81	563.86	1,914.35	1,847.13	67.22	28.478	
14,200.00	11,669.38	15,367.00	12,876.35	38.10	37.65	-129.13	-2,244.80	564.72	1,914.35	1,845.45	68.90	27.783	
14,300.00	11,670.24	15,467.00	12,877.22	39.23	38.84	-129.13	-2,344.79	565.58	1,914.35	1,843.74	70.61	27.110	
14,400.00	11,671.11	15,567.00	12,878.08	40.38	40.05	-129.13	-2,444.79	566.44	1,914.36	1,842.01	72.35	26.460	
14,500.00	11,671.98	15,667.00	12,878.95	41.55	41.26	-129.13	-2,544.78	567.30	1,914.36	1,840.25	74.11	25.831	
14,600.00	11,672.84	15,767.00	12,879.82	42.72	42.49	-129.13	-2,644.77	568.16	1,914.36	1,838.46	75.89	25.224	
14,700.00	11,673.71	15,867.00	12,880.69	43.91	43.72	-129.13	-2,744.76	569.02	1,914.36	1,836.66	77.70	24.638	
14,800.00	11,674.57	15,967.00	12,881.56	45.11	44.97	-129.13	-2,844.76	569.88	1,914.36	1,834.84	79.52	24.073	
14,900.00	11,675.44	16,067.00	12,882.42	46.32	46.22	-129.13	-2,944.75	570.74	1,914.36	1,833.00	81.37	23.528	
15,000.00	11,676.31	16,167.00	12,883.29	47.53	47.47	-129.13	-3,044.74	571.61	1,914.36	1,831.14	83.23	23.002	
15,100.00	11,677.17	16,267.00	12,884.16	48.76	48.74	-129.13	-3,144.73	572.47	1,914.36	1,829.26	85.10	22.494	
15,200.00	11,678.04	16,367.00	12,885.03	49.99	50.01	-129.13	-3,244.73	573.33	1,914.37	1,827.37	87.00	22.005	
15,300.00	11,678.90	16,467.00	12,885.90	51.23	51.28	-129.13	-3,344.72	574.19	1,914.37	1,825.46	88.90	21.533	
15,400.00	11,679.77	16,567.00	12,886.76	52.47	52.56	-129.13	-3,444.71	575.05	1,914.37	1,823.55	90.82	21.078	
15,500.00	11,680.64	16,667.00	12,887.63	53.73	53.84	-129.13	-3,544.70	575.91	1,914.37	1,821.62	92.75	20.639	
15,600.00	11,681.50	16,767.00	12,888.50	54.98	55.13	-129.13	-3,644.70	576.77	1,914.37	1,819.67	94.70	20.215	
15,700.00	11,682.37	16,867.00	12,889.37	56.25	56.42	-129.13	-3,744.69	577.63	1,914.37	1,817.72	96.65	19.807	
15,800.00	11,683.23	16,967.00	12,890.24	57.52	57.72	-129.13	-3,844.68	578.49	1,914.37	1,815.76	98.62	19.412	
15,900.00	11,684.10	17,067.00	12,891.10	58.79	59.01	-129.13	-3,944.67	579.35	1,914.38	1,813.78	100.59	19.031	
16,000.00	11,684.97	17,167.00	12,891.97	60.06	60.32	-129.13	-4,044.67	580.21	1,914.38	1,811.80	102.58	18.663	
16,100.00	11,685.83	17,267.00	12,892.84	61.35	61.62	-129.13	-4,144.66	581.07	1,914.38	1,809.81	104.57	18.307	
16,200.00	11,686.70	17,367.00	12,893.71	62.63	62.93	-129.13	-4,244.65	581.93	1,914.38	1,807.81	106.57	17.963	
16,300.00	11,687.56	17,467.00	12,894.58	63.92	64.24	-129.13	-4,344.64	582.79	1,914.38	1,805.80	108.58	17.631	
16,400.00	11,688.43	17,567.00	12,895.44	65.21	65.55	-129.13	-4,444.64	583.66	1,914.38	1,803.79	110.60	17.310	
16,500.00	11,689.30	17,667.00	12,896.31	66.51	66.87	-129.13	-4,544.63	584.52	1,914.38	1,801.76	112.62	16.999	
16,600.00	11,690.16	17,767.00	12,897.18	67.80	68.18	-129.13	-4,644.62	585.38	1,914.38	1,799.74	114.65	16.698	
16,700.00	11,691.03	17,867.00	12,898.05	69.10	69.50	-129.13	-4,744.61	586.24	1,914.39	1,797.70	116.68	16.407	
16,800.00	11,691.89	17,967.00	12,898.92	70.41	70.82	-129.13	-4,844.61	587.10	1,914.39	1,795.66	118.72	16.125	
16,900.00	11,692.76	18,067.00	12,899.78	71.71	72.15	-129.13	-4,944.60	587.96	1,914.39	1,793.62	120.77	15.851	
17,000.00	11,693.63	18,167.00	12,900.65	73.02	73.47	-129.13	-5,044.59	588.82	1,914.39	1,791.57	122.82	15.587	
17,100.00	11,694.49	18,267.00	12,901.52	74.33	74.80	-129.13	-5,144.58	589.68	1,914.39	1,789.51	124.88	15.330	
17,200.00	11,695.36	18,367.00	12,902.39	75.64	76.13	-129.13	-5,244.58	590.54	1,914.39	1,787.45	126.94	15.081	
17,300.00	11,696.22	18,467.00	12,903.26	76.96	77.46	-129.13	-5,344.57	591.40	1,914.39	1,785.38	129.01	14.839	
17,400.00	11,697.09	18,567.00	12,904.13	78.28	78.79	-129.13	-5,444.56	592.26	1,914.39	1,783.31	131.08	14.605	
17,500.00	11,697.96	18,667.00	12,904.99	79.59	80.12	-129.13	-5,544.55	593.12	1,914.40	1,781.24	133.16	14.377	
17,600.00	11,698.82	18,767.00	12,905.86	80.91	81.45	-129.13	-5,644.55	593.98	1,914.40	1,779.16	135.23	14.156	
17,700.00	11,699.69	18,867.00	12,906.73	82.24	82.79	-129.13	-5,744.54	594.84	1,914.40	1,777.08	137.32	13.941	
17,800.00	11,700.55	18,967.00	12,907.60	83.56	84.12	-129.13	-5,844.53	595.71	1,914.40	1,775.00	139.40	13.733	
17,900.00	11,701.42	19,067.00	12,908.47	84.88	85.46	-129.13	-5,944.52	596.57	1,914.40	1,772.91	141.49	13.530	
18,000.00	11,702.29	19,167.00	12,909.33	86.21	86.80	-129.13	-6,044.52	597.43	1,914.40	1,770.81	143.59	13.333	
18,100.00	11,703.15	19,267.00	12,910.20	87.54	88.14	-129.13	-6,144.51	598.29	1,914.40	1,768.72	145.68	13.141	
18,200.00	11,704.02	19,367.00	12,911.07	88.87	89.48	-129.13	-6,244.50	599.15	1,914.40	1,766.62	147.78	12.954	
18,300.00	11,704.88	19,467.00	12,911.94	90.20	90.82	-129.13	-6,344.49	600.01	1,914.41	1,764.52	149.88	12.773	
18,400.00	11,705.75	19,567.00	12,912.81	91.53	92.16	-129.13	-6,444.49	600.87	1,914.41	1,762.42	151.99	12.596	
18,500.00	11,706.62	19,667.00	12,913.67	92.86	93.50	-129.13	-6,544.48	601.73	1,914.41	1,760.31	154.10	12.423	
18,600.00	11,707.48	19,767.00	12,914.54	94.19	94.84	-129.13	-6,644.47	602.59	1,914.41	1,758.20	156.21	12.256	
18,700.00	11,708.35	19,867.00	12,915.41	95.53	96.19	-129.13	-6,744.46	603.45	1,914.41	1,756.09	158.32	12.092	
18,800.00	11,709.21	19,967.00	12,916.28	96.87	97.53	-129.13	-6,844.46	604.31	1,914.41	1,753.98	160.44	11.933	
18,900.00	11,710.08	20,067.00	12,917.15	98.20	98.88	-129.13	-6,944.45	605.17	1,914.41	1,751.86	162.55	11.777	

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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.50 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

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

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

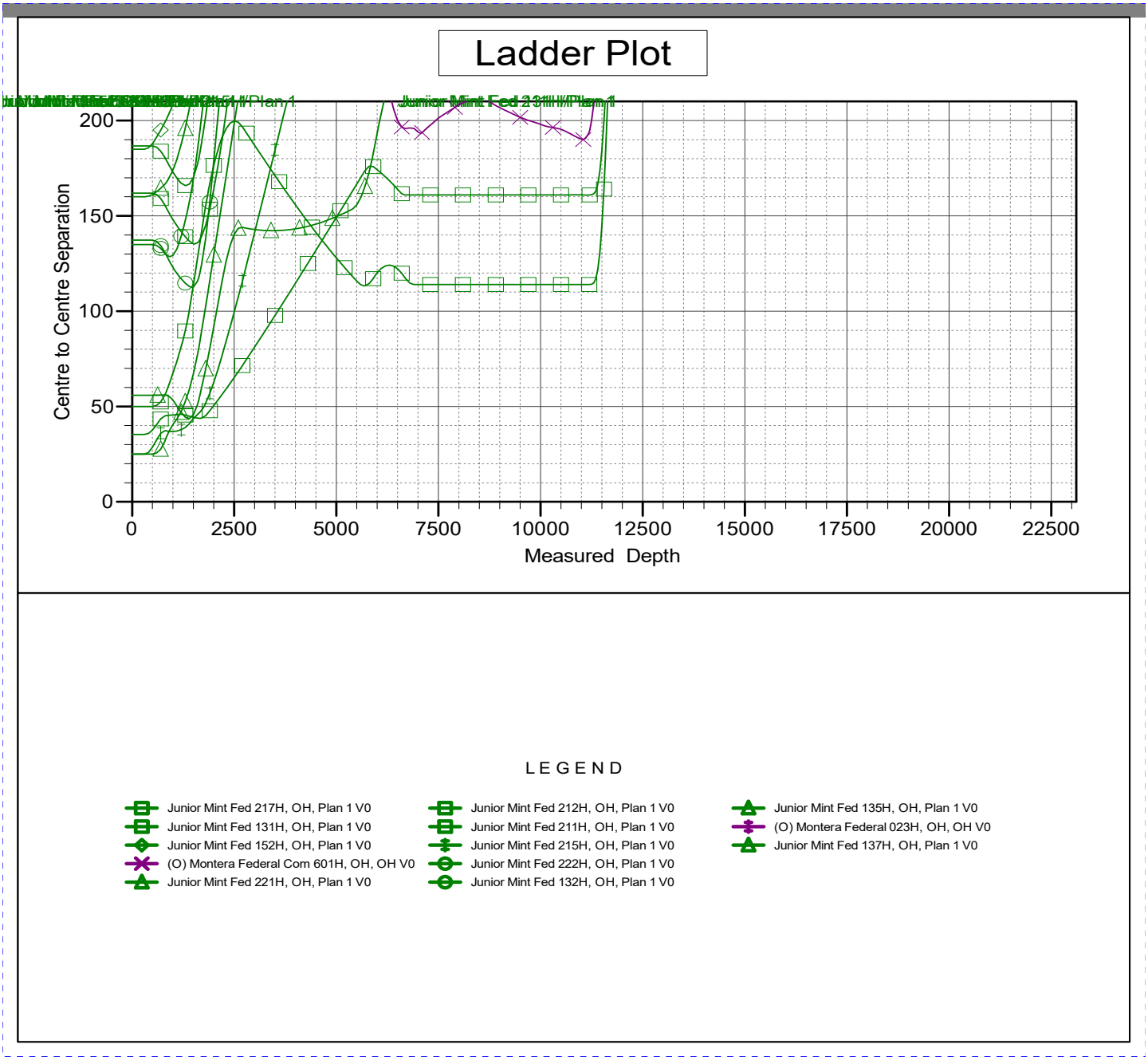
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.00	11,710.95	20,167.00	12,918.01	99.54	100.22	-129.13	-7,044.44	606.03	1,914.41	1,749.74	164.67	11.626	
19,100.00	11,711.81	20,267.00	12,918.88	100.88	101.57	-129.13	-7,144.43	606.89	1,914.42	1,747.62	166.79	11.478	
19,200.00	11,712.68	20,367.00	12,919.75	102.22	102.92	-129.13	-7,244.43	607.76	1,914.42	1,745.50	168.92	11.333	
19,300.00	11,713.54	20,467.00	12,920.62	103.56	104.27	-129.13	-7,344.42	608.62	1,914.42	1,743.38	171.04	11.193	
19,400.00	11,714.41	20,567.00	12,921.49	104.90	105.61	-129.13	-7,444.41	609.48	1,914.42	1,741.25	173.17	11.055	
19,500.00	11,715.28	20,667.00	12,922.35	106.24	106.96	-129.13	-7,544.40	610.34	1,914.42	1,739.12	175.30	10.921	
19,600.00	11,716.14	20,767.00	12,923.22	107.58	108.31	-129.13	-7,644.40	611.20	1,914.42	1,736.99	177.43	10.790	
19,700.00	11,717.01	20,867.00	12,924.09	108.92	109.66	-129.13	-7,744.39	612.06	1,914.42	1,734.86	179.56	10.662	
19,800.00	11,717.87	20,967.00	12,924.96	110.27	111.01	-129.13	-7,844.38	612.92	1,914.42	1,732.73	181.70	10.536	
19,900.00	11,718.74	21,067.00	12,925.83	111.61	112.36	-129.13	-7,944.38	613.78	1,914.43	1,730.59	183.83	10.414	
20,000.00	11,719.61	21,167.00	12,926.69	112.96	113.71	-129.13	-8,044.37	614.64	1,914.43	1,728.46	185.97	10.294	
20,100.00	11,720.47	21,267.00	12,927.56	114.30	115.07	-129.13	-8,144.36	615.50	1,914.43	1,726.32	188.11	10.177	
20,200.00	11,721.34	21,367.00	12,928.43	115.65	116.42	-129.13	-8,244.35	616.36	1,914.43	1,724.18	190.25	10.063	
20,300.00	11,722.20	21,467.00	12,929.30	117.00	117.77	-129.13	-8,344.35	617.22	1,914.43	1,722.04	192.39	9.951	
20,400.00	11,723.07	21,567.00	12,930.17	118.34	119.12	-129.13	-8,444.34	618.08	1,914.43	1,719.90	194.53	9.841	
20,500.00	11,723.94	21,667.00	12,931.03	119.69	120.48	-129.13	-8,544.33	618.94	1,914.43	1,717.76	196.68	9.734	
20,600.00	11,724.80	21,767.00	12,931.90	121.04	121.83	-129.13	-8,644.32	619.81	1,914.43	1,715.61	198.82	9.629	
20,700.00	11,725.67	21,867.00	12,932.77	122.39	123.19	-129.13	-8,744.32	620.67	1,914.44	1,713.47	200.97	9.526	
20,800.00	11,726.53	21,967.00	12,933.64	123.74	124.54	-129.13	-8,844.31	621.53	1,914.44	1,711.32	203.12	9.425	
20,900.00	11,727.40	22,067.00	12,934.51	125.09	125.90	-129.13	-8,944.30	622.39	1,914.44	1,709.17	205.26	9.327	
21,000.00	11,728.27	22,167.00	12,935.37	126.44	127.25	-129.13	-9,044.29	623.25	1,914.44	1,707.03	207.41	9.230	
21,100.00	11,729.13	22,267.00	12,936.24	127.79	128.61	-129.13	-9,144.29	624.11	1,914.44	1,704.88	209.56	9.135	
21,200.00	11,730.00	22,367.00	12,937.11	129.14	129.96	-129.13	-9,244.28	624.97	1,914.44	1,702.73	211.72	9.042	
21,300.00	11,730.86	22,467.00	12,937.98	130.49	131.32	-129.13	-9,344.27	625.83	1,914.44	1,700.57	213.87	8.951	
21,400.00	11,731.73	22,567.00	12,938.85	131.84	132.67	-129.13	-9,444.26	626.69	1,914.44	1,698.42	216.02	8.862	
21,500.00	11,732.60	22,667.00	12,939.71	133.19	134.03	-129.13	-9,544.26	627.55	1,914.45	1,696.27	218.18	8.775	
21,600.00	11,733.46	22,767.00	12,940.58	134.54	135.39	-129.13	-9,644.25	628.41	1,914.45	1,694.11	220.33	8.689	
21,700.00	11,734.33	22,867.00	12,941.45	135.90	136.75	-129.13	-9,744.24	629.27	1,914.45	1,691.96	222.49	8.605	
21,800.00	11,735.19	22,967.00	12,942.32	137.25	138.10	-129.13	-9,844.23	630.13	1,914.45	1,689.80	224.65	8.522	
21,900.00	11,736.06	23,067.00	12,943.19	138.60	139.46	-129.13	-9,944.23	630.99	1,914.45	1,687.65	226.80	8.441	
22,000.00	11,736.93	23,167.00	12,944.05	139.96	140.82	-129.13	-10,044.22	631.86	1,914.45	1,685.49	228.96	8.361	
22,008.51	11,737.00	23,175.51	12,944.13	140.07	140.93	-129.13	-10,052.73	631.93	1,914.45	1,685.31	229.15	8.355	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 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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 3221 + 26 @ 3247.00usft (26' KB) Coordinates are relative to: Junior Mint Fed 151H
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°



Anticollision Report

Company:	Civitas Resources	**Local Co-ordinate Reference:**	Well Junior Mint Fed 151H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	**MD Reference:**	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Junior Mint Fed 151H	**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 3221 + 26 @ 3247.00usft (26' KB) Coordinates are relative to: Junior Mint Fed 151H
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, New Mexico Eastern Zone
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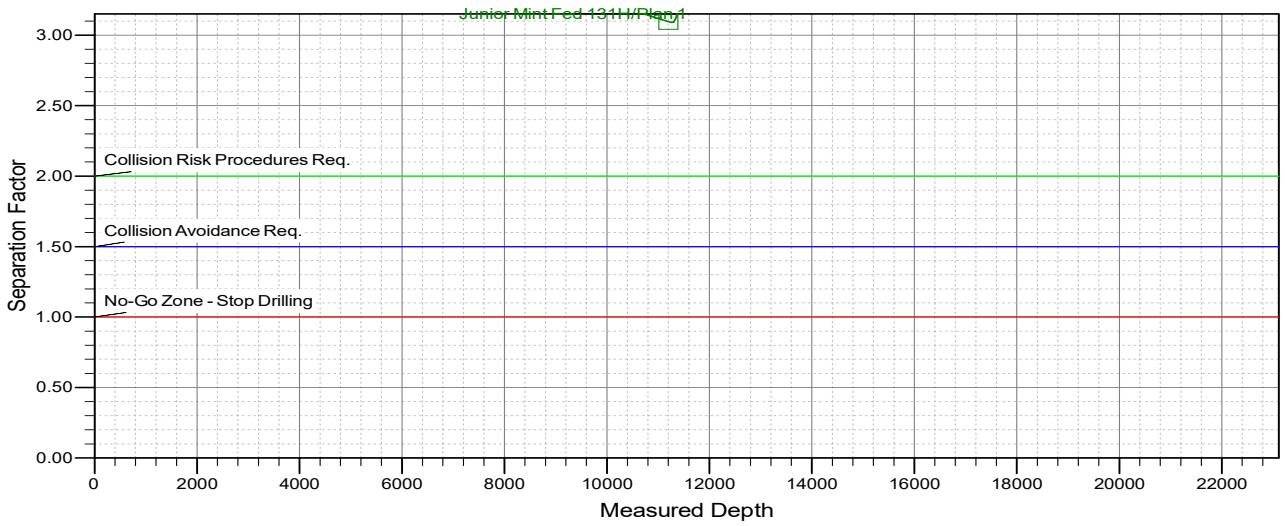
Separation Factor Plot



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
- (O) Montera Federal Com 601H, OH, OH V0
- Junior Mint Fed 221H, OH, Plan 1 V0
- Junior Mint Fed 212H, OH, Plan 1 V0
- Junior Mint Fed 211H, OH, Plan 1 V0
- Junior Mint Fed 215H, OH, Plan 1 V0
- Junior Mint Fed 222H, OH, Plan 1 V0
- Junior Mint Fed 132H, OH, Plan 1 V0
- Junior Mint Fed 135H, OH, Plan 1 V0
- (O) Montera Federal 023H, OH, OH V0
- Junior Mint Fed 137H, OH, Plan 1 V0

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General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475325
	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