

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

NMNM101609

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIVITAS PERMIAN OPERATING LLC

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

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

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

8. Well Name and No.

JUNIOR MINT FED/152H

9. API Well No.

10. Field and Pool or Exploratory Area

WC-02 H-08 S2535340/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 recompleat 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 performed 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 recompleat 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 & 1524 FWL, NENW, Sec. 15, T.25S, R.35E to 301 FNL & 1436 FWL, NENW, Sec. 15, T.25S, R.35E. Changes to the drill plan and other variance requests are detailed in the attached summary and supporting documents. Please see the attached revised C102 plat, directional plan, anticollision report, production casing spec sheets and wellhead diagram for additional information.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

BRIAN WOOD / Ph: (505) 466-8120

Permitting Agent

Title

(Electronic Submission)

Signature

Date

04/18/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Petroleum Engineer

Title

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 / 1524 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1363394 / LONG: -103.3590091 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 79 FNL / 1776 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1374154 / LONG: -103.3581953 (TVD: 11265 feet, MD: 11305 feet)

BHL: SESW / 5 FSL / 1815 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086308 / LONG: -103.3580869 (TVD: 11736 feet, MD: 21944 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 30-025-54743	Pool Code 98185	Pool Name WC-025 G-09 S253502B;LWR BONE SPRING
Property Code 337333	Property Name JUNIOR MINT FED	Well Number 152H
OGRID No. 332195	Operator Name CIVITAS PERMIAN OPERATING, LLC	Ground Level Elevation 3220'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 301' N	Feet from the E/W 1436' W	Latitude N 32.1368089	Longitude W 103.3592948	County LEA
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Bottom Hole Location

UL or lot no. N	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 5' S	Feet from the E/W 1815' W	Latitude N 32.1086308	Longitude W 103.3580869	County LEA
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Dedicated Acres 1280.00	Infill or Defining Well Infill	Defining Well API - 30-025-54740	Overlapping Spacing Unit (Y/N) No	Consolidated Code N/A
Order Numbers N/A			Well Setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1815' W	Latitude N 32.1373599	Longitude W 103.3580713	County LEA
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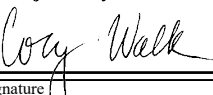
First Take Point (FTP)

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1815' W	Latitude N 32.1373599	Longitude W 103.3580713	County LEA
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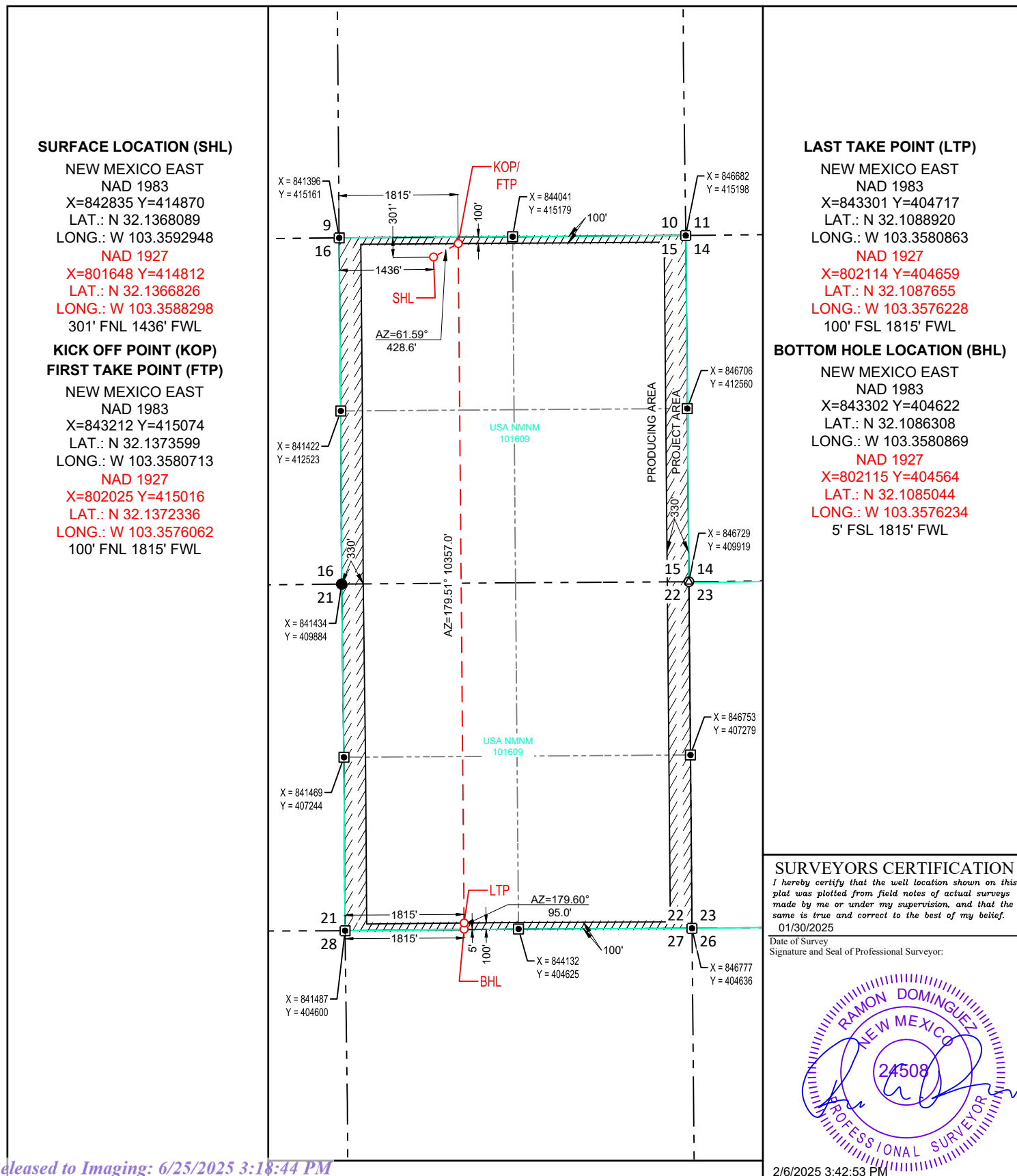
Last Take Point (LTP)

UL or lot no. N	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' S	Feet from the E/W 1815' W	Latitude N 32.1088920	Longitude W 103.3580863	County LEA
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Unitized Area or Area of Uniform Intrest -	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation -
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  4-16-25		SURVEYORS CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  2/6/2025 3:42:50 PM	
Signature Cory Walk		Signature and Seal of Professional Surveyor	
Date 4-16-25		Date 2/6/2025 3:42:50 PM	
Print Name cory@permitswest.com		Certificate Number	Date of Survey 01/30/2025
E-mail Address			

<u>C-102</u> 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
Property Name and Well Number		JUNIOR MINT FED 152H	



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'

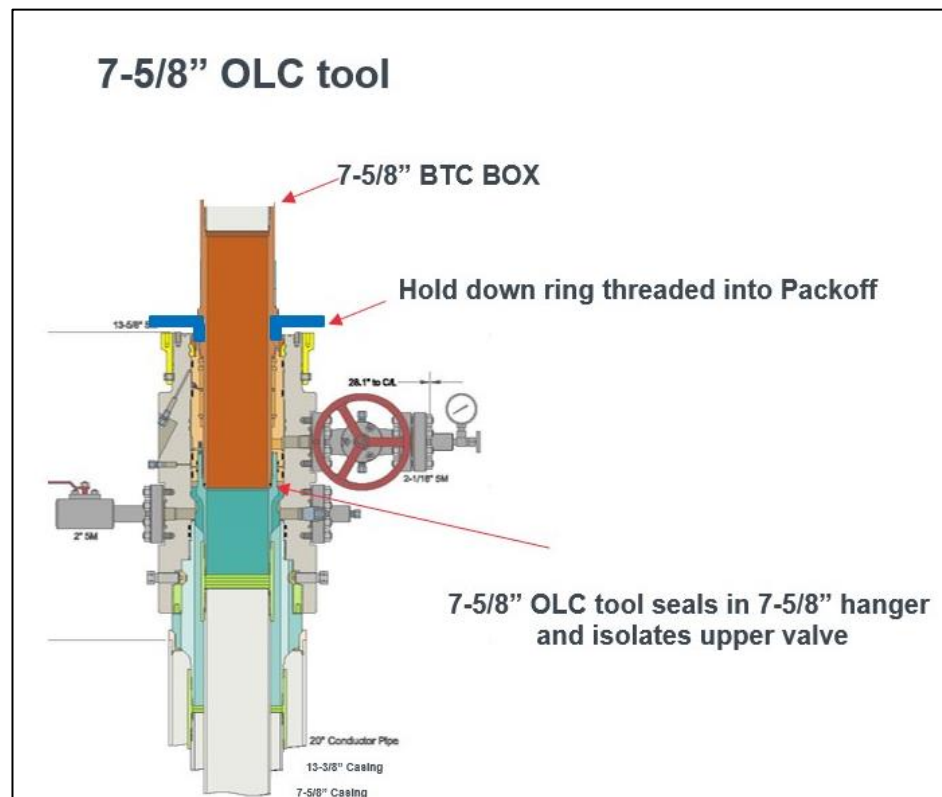
Comments: Reduce hole size to improve operational efficiency
No change to set depth
 - iii. Current: 8.75" x 7.875" Hole, 5 1/2" 20# P110 TXP ran to TD

Sundry: 7.875" Hole 5 1/2" 23# P110MS/RV 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 152, 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	4,950	Salt	Salt
DMG	5,160	5,190	Sandstone	None
Lamar	5,165	5,195	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,215	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,235	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,180	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,650	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	8,960	Carbonate	Hydrocarbons
Upper Avalon	8,955	8,985	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,215	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,195	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,360	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,745	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,295	Carbonate	Hydrocarbons
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	5,240	8 5/8	API	No	0	5,240	0	5,215	HCL80	32	BTC	1.13	1.15	1.6
Production	7 7/8	5,240	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	374	4.29	1603	10.5	200%	C	Additives + LCM
	Tail	4240	126	1.67	210	13.2	100%	C	Additives + LCM
Production	Lead	4740	331	3.93	1302	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	5,240	Brine Water	10.00	27-30	NC
Production	5,240	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]

UNCONTROLLED

Notes

- 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).
- Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
- Uniaxial bend rating shown is structural only.
- 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.).
- Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
- Coupling must meet minimum mechanical properties of the pipe.

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Spring, Texas 77380

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connections@uss.com
www.usstubular.com



U. S. Steel Tubular Products

2/25/2025 2:25:12 PM

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



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

UNCONTROLLED

Notes

- 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).
- Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
- Uniaxial bend rating shown is structural only.
- 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.).
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- Coupling must meet minimum mechanical properties of the pipe.

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

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

Project: Lea County, NM (NAD 83)
 Site: Junior Mint Fed Pad
 Well: Junior Mint Fed 152H
 Wellbore: OH
 Design: Plan 1
 Rig: 26' KB



Azimuths to Grid North
 True North: -0.52°
 Magnetic North: 5.55°
 Magnetic Field
 Strength: 47069.4nT
 Dip Angle: 59.57°
 Date: 7/15/2025
 Model: HDGM2025

Total Magnetic Correction: 5.55°

PROJECT DETAILS: Lea County, NM (NAD 83)

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

Reference Datum: GE 3220 + 26 @ 3246.00usft (26' KB)

SHL

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

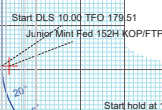
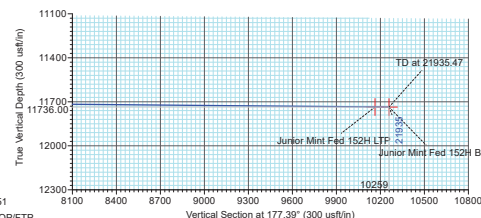
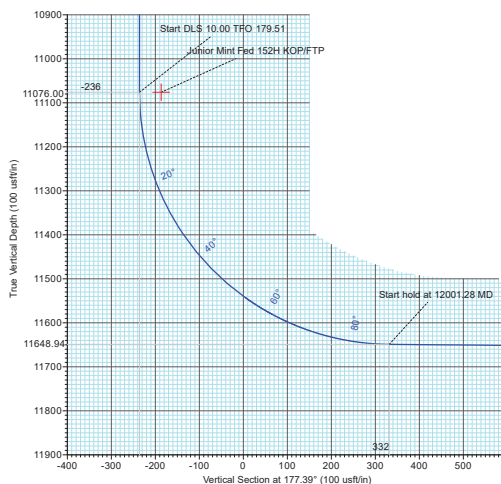
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
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SECTION DETAILS

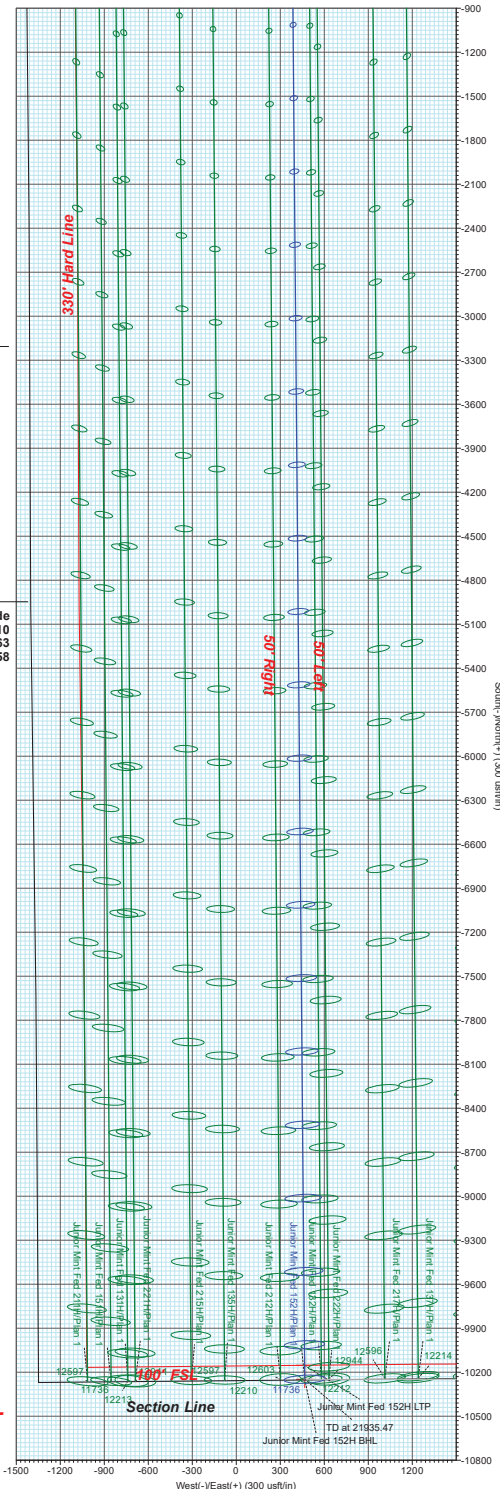
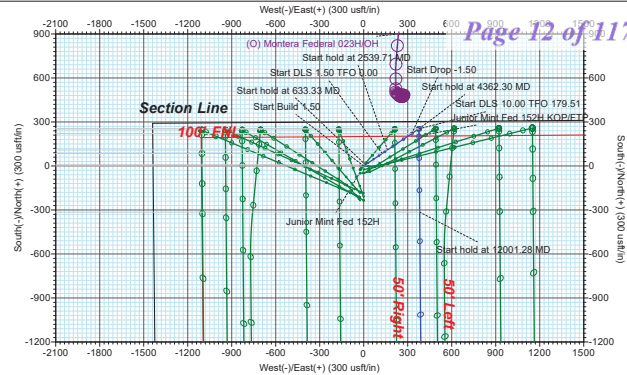
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSECT	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	56.07	632.91	8.11	12.06	1.50	56.07	-7.56	
2206.41	5.00	56.07	2200.00	84.64	125.82	0.00	0.00	-78.82	
2539.71	10.00	56.07	2530.34	108.92	161.90	1.50	0.00	-101.43	
3695.87	10.00	56.07	3668.75	220.96	328.44	0.00	0.00	-205.78	
4362.30	0.00	0.00	4332.00	253.35	376.58	1.50	180.00	-235.94	
11106.30	0.00	0.00	11076.00	253.35	376.58	0.00	0.00	-235.94	
12001.28	89.50	179.51	11648.94	-314.57	381.47	10.00	179.51	331.61	
21935.47	89.50	179.51	11736.00	-10248.00	467.00	0.00	0.00	10258.64	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 152H KOP/FTP	11076.00	204.00	377.00	415074.00	843212.00	32.1373600	-103.3580710
Junior Mint Fed 152H LTP	11735.50	-10153.00	466.00	404717.00	843301.00	32.1088910	-103.3580863
Junior Mint Fed 152H BHL	11736.00	-10248.00	467.00	404622.00	843302.00	32.1086299	-103.3580858



Do Not Cross SL



Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 152H

OH

Plan: Plan 1



Standard Plan Report

25 March, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Project	Lea County, NM (NAD 83)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
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 152H					
Well Position	+N/-S	0.00 usft	Northing:	414,870.00 usft	Latitude:	32.1368087
	+E/-W	0.00 usft	Easting:	842,835.00 usft	Longitude:	-103.3592947
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,220.00 usft
Grid Convergence:		0.52 °				

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

Design	Plan 1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	177.39	

Survey Tool Program	Date	3/24/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	21,935.47	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 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	56.07	632.91	8.11	12.06	1.50	1.50	0.00	56.07	
2,206.41	5.00	56.07	2,200.00	84.64	125.82	0.00	0.00	0.00	0.00	
2,539.71	10.00	56.07	2,530.34	108.92	161.90	1.50	1.50	0.00	0.00	
3,695.67	10.00	56.07	3,668.75	220.96	328.44	0.00	0.00	0.00	0.00	
4,362.30	0.00	0.00	4,332.00	253.35	376.58	1.50	-1.50	0.00	180.00	
11,106.30	0.00	0.00	11,076.00	253.35	376.58	0.00	0.00	0.00	0.00	
12,001.28	89.50	179.51	11,648.94	-314.57	381.47	10.00	10.00	20.06	179.51	
21,935.47	89.50	179.51	11,736.00	-10,248.00	467.00	0.00	0.00	0.00	0.00	

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)				
0.00	0.00	0.00	0.00	0.00	0.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.00	0.00	0.00
400.00	1.50	56.07	399.99	0.73	1.09	414,870.73	842,836.09	32.1368106	-103.3592912	-0.68	1.50	1.50	0.00
500.00	3.00	56.07	499.91	2.92	4.34	414,872.92	842,839.34	32.1368166	-103.3592806	-2.72	1.50	1.50	0.00
600.00	4.50	56.07	599.69	6.57	9.77	414,876.57	842,844.77	32.1368265	-103.3592630	-6.12	1.50	1.50	0.00
633.33	5.00	56.07	632.91	8.11	12.06	414,878.11	842,847.06	32.1368307	-103.3592555	-7.56	1.50	1.50	0.00
700.00	5.00	56.07	699.32	11.36	16.88	414,881.36	842,851.88	32.1368394	-103.3592399	-10.58	0.00	0.00	0.00
800.00	5.00	56.07	798.94	16.22	24.11	414,886.22	842,859.11	32.1368526	-103.3592164	-15.11	0.00	0.00	0.00
900.00	5.00	56.07	898.56	21.09	31.34	414,891.09	842,866.34	32.1368658	-103.3591929	-19.64	0.00	0.00	0.00
1,000.00	5.00	56.07	998.18	25.95	38.58	414,895.95	842,873.58	32.1368790	-103.3591694	-24.17	0.00	0.00	0.00
1,100.00	5.00	56.07	1,097.80	30.82	45.81	414,900.82	842,880.81	32.1368922	-103.3591459	-28.70	0.00	0.00	0.00
1,200.00	5.00	56.07	1,197.42	35.68	53.04	414,905.68	842,888.04	32.1369054	-103.3591224	-33.23	0.00	0.00	0.00
1,300.00	5.00	56.07	1,297.04	40.55	60.27	414,910.55	842,895.27	32.1369186	-103.3590989	-37.76	0.00	0.00	0.00
1,400.00	5.00	56.07	1,396.66	45.41	67.50	414,915.41	842,902.50	32.1369318	-103.3590754	-42.29	0.00	0.00	0.00
1,500.00	5.00	56.07	1,496.28	50.28	74.73	414,920.28	842,909.73	32.1369450	-103.3590519	-46.82	0.00	0.00	0.00
1,600.00	5.00	56.07	1,595.90	55.14	81.96	414,925.14	842,916.96	32.1369582	-103.3590284	-51.35	0.00	0.00	0.00
1,700.00	5.00	56.07	1,695.52	60.01	89.20	414,930.01	842,924.20	32.1369714	-103.3590048	-55.88	0.00	0.00	0.00
1,800.00	5.00	56.07	1,795.14	64.87	96.43	414,934.87	842,931.43	32.1369846	-103.3589813	-60.41	0.00	0.00	0.00
1,900.00	5.00	56.07	1,894.76	69.73	103.66	414,939.73	842,938.66	32.1369977	-103.3589578	-64.94	0.00	0.00	0.00
2,000.00	5.00	56.07	1,994.38	74.60	110.89	414,944.60	842,945.89	32.1370109	-103.3589343	-69.47	0.00	0.00	0.00
2,100.00	5.00	56.07	2,094.00	79.46	118.12	414,949.46	842,953.12	32.1370241	-103.3589108	-74.00	0.00	0.00	0.00
2,206.41	5.00	56.07	2,200.00	84.64	125.82	414,954.64	842,960.82	32.1370382	-103.3588858	-78.82	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,300.00	6.40	56.07	2,293.13	89.83	133.53	414,959.83	842,968.53	32.1370522	-103.3588608	-83.66	1.50	1.50	0.00
2,400.00	7.90	56.07	2,392.34	96.78	143.86	414,966.78	842,978.86	32.1370711	-103.3588272	-90.13	1.50	1.50	0.00
2,500.00	9.40	56.07	2,491.20	105.18	156.35	414,975.18	842,991.35	32.1370939	-103.3587866	-97.95	1.50	1.50	0.00
2,539.71	10.00	56.07	2,530.34	108.92	161.90	414,978.92	842,996.90	32.1371040	-103.3587686	-101.43	1.50	1.50	0.00
2,600.00	10.00	56.07	2,589.72	114.76	170.59	414,984.76	843,005.59	32.1371198	-103.3587403	-106.87	0.00	0.00	0.00
2,700.00	10.00	56.07	2,688.20	124.45	184.99	414,994.45	843,019.99	32.1371461	-103.3586935	-115.90	0.00	0.00	0.00
2,800.00	10.00	56.07	2,786.68	134.15	199.40	415,004.15	843,034.40	32.1371724	-103.3586467	-124.93	0.00	0.00	0.00
2,900.00	10.00	56.07	2,885.16	143.84	213.81	415,013.84	843,048.81	32.1371987	-103.3585999	-133.95	0.00	0.00	0.00
3,000.00	10.00	56.07	2,983.64	153.53	228.21	415,023.53	843,063.21	32.1372250	-103.3585531	-142.98	0.00	0.00	0.00
3,100.00	10.00	56.07	3,082.12	163.22	242.62	415,033.22	843,077.62	32.1372512	-103.3585062	-152.01	0.00	0.00	0.00
3,200.00	10.00	56.07	3,180.60	172.92	257.03	415,042.92	843,092.03	32.1372775	-103.3584594	-161.03	0.00	0.00	0.00
3,300.00	10.00	56.07	3,279.09	182.61	271.43	415,052.61	843,106.43	32.1373038	-103.3584126	-170.06	0.00	0.00	0.00
3,400.00	10.00	56.07	3,377.57	192.30	285.84	415,062.30	843,120.84	32.1373301	-103.3583658	-179.09	0.00	0.00	0.00
3,500.00	10.00	56.07	3,476.05	201.99	300.25	415,071.99	843,135.25	32.1373564	-103.3583189	-188.11	0.00	0.00	0.00
3,600.00	10.00	56.07	3,574.53	211.69	314.65	415,081.69	843,149.65	32.1373827	-103.3582721	-197.14	0.00	0.00	0.00
3,695.67	10.00	56.07	3,668.75	220.96	328.44	415,090.96	843,163.44	32.1374078	-103.3582273	-205.78	0.00	0.00	0.00
3,700.00	9.93	56.07	3,673.01	221.38	329.06	415,091.38	843,164.06	32.1374089	-103.3582253	-206.16	1.50	-1.50	0.00
3,800.00	8.43	56.07	3,771.73	230.29	342.30	415,100.29	843,177.30	32.1374331	-103.3581823	-214.46	1.50	-1.50	0.00
3,900.00	6.93	56.07	3,870.82	237.75	353.40	415,107.75	843,188.40	32.1374533	-103.3581462	-221.41	1.50	-1.50	0.00
4,000.00	5.43	56.07	3,970.24	243.77	362.33	415,113.77	843,197.33	32.1374696	-103.3581172	-227.01	1.50	-1.50	0.00
4,100.00	3.93	56.07	4,069.90	248.32	369.11	415,118.32	843,204.11	32.1374820	-103.3580951	-231.26	1.50	-1.50	0.00
4,200.00	2.43	56.07	4,169.75	251.43	373.72	415,121.43	843,208.72	32.1374904	-103.3580802	-234.15	1.50	-1.50	0.00
4,300.00	0.93	56.07	4,269.70	253.07	376.16	415,123.07	843,211.16	32.1374949	-103.3580722	-235.67	1.50	-1.50	0.00
4,362.30	0.00	0.00	4,332.00	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	1.50	-1.50	0.00
4,400.00	0.00	0.00	4,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
4,500.00	0.00	0.00	4,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
4,600.00	0.00	0.00	4,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
4,700.00	0.00	0.00	4,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
4,800.00	0.00	0.00	4,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
4,900.00	0.00	0.00	4,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,000.00	0.00	0.00	4,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,100.00	0.00	0.00	5,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,200.00	0.00	0.00	5,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,300.00	0.00	0.00	5,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,400.00	0.00	0.00	5,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,500.00	0.00	0.00	5,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,600.00	0.00	0.00	5,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Dogleg Section (usft)	Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,700.00	0.00	0.00	5,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,800.00	0.00	0.00	5,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
5,900.00	0.00	0.00	5,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,000.00	0.00	0.00	5,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,100.00	0.00	0.00	6,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,200.00	0.00	0.00	6,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,300.00	0.00	0.00	6,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,400.00	0.00	0.00	6,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,500.00	0.00	0.00	6,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,600.00	0.00	0.00	6,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,700.00	0.00	0.00	6,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,800.00	0.00	0.00	6,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
6,900.00	0.00	0.00	6,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,000.00	0.00	0.00	6,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,100.00	0.00	0.00	7,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,200.00	0.00	0.00	7,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,300.00	0.00	0.00	7,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,400.00	0.00	0.00	7,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,500.00	0.00	0.00	7,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,600.00	0.00	0.00	7,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,700.00	0.00	0.00	7,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,800.00	0.00	0.00	7,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
7,900.00	0.00	0.00	7,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,000.00	0.00	0.00	7,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,100.00	0.00	0.00	8,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,200.00	0.00	0.00	8,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,300.00	0.00	0.00	8,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,400.00	0.00	0.00	8,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,500.00	0.00	0.00	8,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,600.00	0.00	0.00	8,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,700.00	0.00	0.00	8,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,800.00	0.00	0.00	8,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
8,900.00	0.00	0.00	8,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,000.00	0.00	0.00	8,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,100.00	0.00	0.00	9,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,200.00	0.00	0.00	9,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,300.00	0.00	0.00	9,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,400.00	0.00	0.00	9,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.00	0.00	0.00	9,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,600.00	0.00	0.00	9,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,700.00	0.00	0.00	9,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,800.00	0.00	0.00	9,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
9,900.00	0.00	0.00	9,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,000.00	0.00	0.00	9,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,100.00	0.00	0.00	10,069.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,200.00	0.00	0.00	10,169.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,300.00	0.00	0.00	10,269.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,400.00	0.00	0.00	10,369.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,500.00	0.00	0.00	10,469.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,600.00	0.00	0.00	10,569.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,700.00	0.00	0.00	10,669.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,800.00	0.00	0.00	10,769.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
10,900.00	0.00	0.00	10,869.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
11,000.00	0.00	0.00	10,969.70	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
11,106.30	0.00	0.00	11,076.00	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	0.00	0.00	0.00
11,108.19	0.19	179.51	11,077.88	253.35	376.58	415,123.35	843,211.58	32.1374956	-103.3580709	-235.94	10.00	10.00	0.00
Junior Mint Fed 152H KOP/FTP													
11,150.00	4.37	179.51	11,119.65	251.68	376.59	415,121.68	843,211.59	32.1374911	-103.3580709	-234.27	10.00	10.00	0.00
11,200.00	9.37	179.51	11,169.28	245.71	376.65	415,115.71	843,211.65	32.1374746	-103.3580709	-228.30	10.00	10.00	0.00
11,250.00	14.37	179.51	11,218.19	235.43	376.73	415,105.43	843,211.73	32.1374464	-103.3580709	-218.03	10.00	10.00	0.00
11,300.00	19.37	179.51	11,266.03	220.92	376.86	415,090.92	843,211.86	32.1374065	-103.3580709	-203.53	10.00	10.00	0.00
11,350.00	24.37	179.51	11,312.42	202.30	377.02	415,072.30	843,212.02	32.1373553	-103.3580709	-184.92	10.00	10.00	0.00
11,400.00	29.37	179.51	11,357.00	179.71	377.21	415,049.71	843,212.21	32.1372932	-103.3580710	-162.35	10.00	10.00	0.00
11,450.00	34.37	179.51	11,399.45	153.32	377.44	415,023.32	843,212.44	32.1372207	-103.3580710	-135.98	10.00	10.00	0.00
11,500.00	39.37	179.51	11,439.44	123.33	377.70	414,993.33	843,212.70	32.1371382	-103.3580711	-106.01	10.00	10.00	0.00
11,550.00	44.37	179.51	11,476.66	89.97	377.99	414,959.97	843,212.99	32.1370465	-103.3580711	-72.67	10.00	10.00	0.00
11,600.00	49.37	179.51	11,510.83	53.50	378.30	414,923.50	843,213.30	32.1369463	-103.3580712	-36.21	10.00	10.00	0.00
11,650.00	54.37	179.51	11,541.70	14.18	378.64	414,884.18	843,213.64	32.1368382	-103.3580712	3.08	10.00	10.00	0.00
11,700.00	59.37	179.51	11,569.01	-27.68	379.00	414,842.32	843,214.00	32.1367232	-103.3580713	44.91	10.00	10.00	0.00
11,750.00	64.37	179.51	11,592.58	-71.75	379.38	414,798.25	843,214.38	32.1366020	-103.3580713	88.96	10.00	10.00	0.00
11,800.00	69.37	179.51	11,612.22	-117.72	379.78	414,752.28	843,214.78	32.1364757	-103.3580714	134.89	10.00	10.00	0.00
11,850.00	74.37	179.51	11,627.77	-165.22	380.18	414,704.78	843,215.18	32.1363451	-103.3580715	182.36	10.00	10.00	0.00
11,900.00	79.37	179.51	11,639.12	-213.90	380.60	414,656.10	843,215.60	32.1362113	-103.3580715	231.01	10.00	10.00	0.00
11,950.00	84.37	179.51	11,646.19	-263.38	381.03	414,606.62	843,216.03	32.1360753	-103.3580716	280.45	10.00	10.00	0.00
12,001.28	89.50	179.51	11,648.94	-314.57	381.47	414,555.43	843,216.47	32.1359346	-103.3580717	331.61	10.00	10.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.00	89.50	179.51	11,649.80	-413.28	382.32	414,456.72	843,217.32	32.1356632	-103.3580718	430.26	0.00	0.00	0.00
12,200.00	89.50	179.51	11,650.68	-513.27	383.18	414,356.73	843,218.18	32.1353884	-103.3580720	530.18	0.00	0.00	0.00
12,300.00	89.50	179.51	11,651.55	-613.26	384.04	414,256.74	843,219.04	32.1351135	-103.3580721	630.11	0.00	0.00	0.00
12,400.00	89.50	179.51	11,652.43	-713.25	384.90	414,156.75	843,219.90	32.1348387	-103.3580723	730.04	0.00	0.00	0.00
12,500.00	89.50	179.51	11,653.31	-813.25	385.76	414,056.75	843,220.76	32.1345638	-103.3580724	829.97	0.00	0.00	0.00
12,600.00	89.50	179.51	11,654.18	-913.24	386.62	413,956.76	843,221.62	32.1342890	-103.3580725	929.90	0.00	0.00	0.00
12,700.00	89.50	179.51	11,655.06	-1,013.23	387.49	413,856.77	843,222.49	32.1340141	-103.3580727	1,029.82	0.00	0.00	0.00
12,800.00	89.50	179.51	11,655.94	-1,113.22	388.35	413,756.78	843,223.35	32.1337393	-103.3580728	1,129.75	0.00	0.00	0.00
12,900.00	89.50	179.51	11,656.81	-1,213.22	389.21	413,656.78	843,224.21	32.1334644	-103.3580730	1,229.68	0.00	0.00	0.00
13,000.00	89.50	179.51	11,657.69	-1,313.21	390.07	413,556.79	843,225.07	32.1331895	-103.3580731	1,329.61	0.00	0.00	0.00
13,100.00	89.50	179.51	11,658.57	-1,413.20	390.93	413,456.80	843,225.93	32.1329147	-103.3580733	1,429.54	0.00	0.00	0.00
13,200.00	89.50	179.51	11,659.44	-1,513.19	391.79	413,356.81	843,226.79	32.1326398	-103.3580734	1,529.46	0.00	0.00	0.00
13,300.00	89.50	179.51	11,660.32	-1,613.19	392.65	413,256.81	843,227.65	32.1323650	-103.3580735	1,629.39	0.00	0.00	0.00
13,400.00	89.50	179.51	11,661.19	-1,713.18	393.51	413,156.82	843,228.51	32.1320901	-103.3580737	1,729.32	0.00	0.00	0.00
13,500.00	89.50	179.51	11,662.07	-1,813.17	394.37	413,056.83	843,229.37	32.1318153	-103.3580738	1,829.25	0.00	0.00	0.00
13,600.00	89.50	179.51	11,662.95	-1,913.16	395.23	412,956.84	843,230.23	32.1315404	-103.3580740	1,929.18	0.00	0.00	0.00
13,700.00	89.50	179.51	11,663.82	-2,013.15	396.10	412,856.85	843,231.10	32.1312656	-103.3580741	2,029.10	0.00	0.00	0.00
13,800.00	89.50	179.51	11,664.70	-2,113.15	396.96	412,756.85	843,231.96	32.1309907	-103.3580743	2,129.03	0.00	0.00	0.00
13,900.00	89.50	179.51	11,665.58	-2,213.14	397.82	412,656.86	843,232.82	32.1307158	-103.3580744	2,228.96	0.00	0.00	0.00
14,000.00	89.50	179.51	11,666.45	-2,313.13	398.68	412,556.87	843,233.68	32.1304410	-103.3580745	2,328.89	0.00	0.00	0.00
14,100.00	89.50	179.51	11,667.33	-2,413.12	399.54	412,456.88	843,234.54	32.1301661	-103.3580747	2,428.82	0.00	0.00	0.00
14,200.00	89.50	179.51	11,668.21	-2,513.12	400.40	412,356.88	843,235.40	32.1298913	-103.3580748	2,528.74	0.00	0.00	0.00
14,300.00	89.50	179.51	11,669.08	-2,613.11	401.26	412,256.89	843,236.26	32.1296164	-103.3580750	2,628.67	0.00	0.00	0.00
14,400.00	89.50	179.51	11,669.96	-2,713.10	402.12	412,156.90	843,237.12	32.1293416	-103.3580751	2,728.60	0.00	0.00	0.00
14,500.00	89.50	179.51	11,670.84	-2,813.09	402.98	412,056.91	843,237.98	32.1290667	-103.3580753	2,828.53	0.00	0.00	0.00
14,600.00	89.50	179.51	11,671.71	-2,913.09	403.84	411,956.91	843,238.84	32.1287919	-103.3580754	2,928.46	0.00	0.00	0.00
14,700.00	89.50	179.51	11,672.59	-3,013.08	404.71	411,856.92	843,239.71	32.1285170	-103.3580755	3,028.38	0.00	0.00	0.00
14,800.00	89.50	179.51	11,673.46	-3,113.07	405.57	411,756.93	843,240.57	32.1282421	-103.3580757	3,128.31	0.00	0.00	0.00
14,900.00	89.50	179.51	11,674.34	-3,213.06	406.43	411,656.94	843,241.43	32.1279673	-103.3580758	3,228.24	0.00	0.00	0.00
15,000.00	89.50	179.51	11,675.22	-3,313.06	407.29	411,556.94	843,242.29	32.1276924	-103.3580760	3,328.17	0.00	0.00	0.00
15,100.00	89.50	179.51	11,676.09	-3,413.05	408.15	411,456.95	843,243.15	32.1274176	-103.3580761	3,428.09	0.00	0.00	0.00
15,200.00	89.50	179.51	11,676.97	-3,513.04	409.01	411,356.96	843,244.01	32.1271427	-103.3580763	3,528.02	0.00	0.00	0.00
15,300.00	89.50	179.51	11,677.85	-3,613.03	409.87	411,256.97	843,244.87	32.1268679	-103.3580764	3,627.95	0.00	0.00	0.00
15,400.00	89.50	179.51	11,678.72	-3,713.03	410.73	411,156.97	843,245.73	32.1265930	-103.3580766	3,727.88	0.00	0.00	0.00
15,500.00	89.50	179.51	11,679.60	-3,813.02	411.59	411,056.98	843,246.59	32.1263182	-103.3580767	3,827.81	0.00	0.00	0.00
15,600.00	89.50	179.51	11,680.48	-3,913.01	412.45	410,956.99	843,247.45	32.1260433	-103.3580768	3,927.73	0.00	0.00	0.00
15,700.00	89.50	179.51	11,681.35	-4,013.00	413.31	410,857.00	843,248.31	32.1257684	-103.3580770	4,027.66	0.00	0.00	0.00
15,800.00	89.50	179.51	11,682.23	-4,113.00	414.18	410,757.00	843,249.18	32.1254936	-103.3580771	4,127.59	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	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)
15,900.00	89.50	179.51	11,683.10	-4,212.99	415.04	410,657.01	843,250.04	32.1252187	-103.3580773	4,227.52	0.00	0.00	0.00
16,000.00	89.50	179.51	11,683.98	-4,312.98	415.90	410,557.02	843,250.90	32.1249439	-103.3580774	4,327.45	0.00	0.00	0.00
16,100.00	89.50	179.51	11,684.86	-4,412.97	416.76	410,457.03	843,251.76	32.1246690	-103.3580775	4,427.37	0.00	0.00	0.00
16,200.00	89.50	179.51	11,685.73	-4,512.97	417.62	410,357.03	843,252.62	32.1243942	-103.3580777	4,527.30	0.00	0.00	0.00
16,300.00	89.50	179.51	11,686.61	-4,612.96	418.48	410,257.04	843,253.48	32.1241193	-103.3580778	4,627.23	0.00	0.00	0.00
16,400.00	89.50	179.51	11,687.49	-4,712.95	419.34	410,157.05	843,254.34	32.1238445	-103.3580780	4,727.16	0.00	0.00	0.00
16,500.00	89.50	179.51	11,688.36	-4,812.94	420.20	410,057.06	843,255.20	32.1235696	-103.3580781	4,827.09	0.00	0.00	0.00
16,600.00	89.50	179.51	11,689.24	-4,912.94	421.06	409,957.06	843,256.06	32.1232947	-103.3580783	4,927.01	0.00	0.00	0.00
16,700.00	89.50	179.51	11,690.12	-5,012.93	421.92	409,857.07	843,256.92	32.1230199	-103.3580784	5,026.94	0.00	0.00	0.00
16,800.00	89.50	179.51	11,690.99	-5,112.92	422.79	409,757.08	843,257.79	32.1227450	-103.3580785	5,126.87	0.00	0.00	0.00
16,900.00	89.50	179.51	11,691.87	-5,212.91	423.65	409,657.09	843,258.65	32.1224702	-103.3580787	5,226.80	0.00	0.00	0.00
17,000.00	89.50	179.51	11,692.75	-5,312.91	424.51	409,557.09	843,259.51	32.1221953	-103.3580788	5,326.73	0.00	0.00	0.00
17,100.00	89.50	179.51	11,693.62	-5,412.90	425.37	409,457.10	843,260.37	32.1219205	-103.3580790	5,426.65	0.00	0.00	0.00
17,200.00	89.50	179.51	11,694.50	-5,512.89	426.23	409,357.11	843,261.23	32.1216456	-103.3580791	5,526.58	0.00	0.00	0.00
17,300.00	89.50	179.51	11,695.37	-5,612.88	427.09	409,257.12	843,262.09	32.1213707	-103.3580793	5,626.51	0.00	0.00	0.00
17,400.00	89.50	179.51	11,696.25	-5,712.88	427.95	409,157.12	843,262.95	32.1210959	-103.3580794	5,726.44	0.00	0.00	0.00
17,500.00	89.50	179.51	11,697.13	-5,812.87	428.81	409,057.13	843,263.81	32.1208210	-103.3580795	5,826.37	0.00	0.00	0.00
17,600.00	89.50	179.51	11,698.00	-5,912.86	429.67	408,957.14	843,264.67	32.1205462	-103.3580797	5,926.29	0.00	0.00	0.00
17,700.00	89.50	179.51	11,698.88	-6,012.85	430.53	408,857.15	843,265.53	32.1202713	-103.3580798	6,026.22	0.00	0.00	0.00
17,800.00	89.50	179.51	11,699.76	-6,112.85	431.39	408,757.15	843,266.39	32.1199965	-103.3580800	6,126.15	0.00	0.00	0.00
17,900.00	89.50	179.51	11,700.63	-6,212.84	432.26	408,657.16	843,267.26	32.1197216	-103.3580801	6,226.08	0.00	0.00	0.00
18,000.00	89.50	179.51	11,701.51	-6,312.83	433.12	408,557.17	843,268.12	32.1194468	-103.3580803	6,326.00	0.00	0.00	0.00
18,100.00	89.50	179.51	11,702.39	-6,412.82	433.98	408,457.18	843,268.98	32.1191719	-103.3580804	6,425.93	0.00	0.00	0.00
18,200.00	89.50	179.51	11,703.26	-6,512.82	434.84	408,357.18	843,269.84	32.1188970	-103.3580805	6,525.86	0.00	0.00	0.00
18,300.00	89.50	179.51	11,704.14	-6,612.81	435.70	408,257.19	843,270.70	32.1186222	-103.3580807	6,625.79	0.00	0.00	0.00
18,400.00	89.50	179.51	11,705.02	-6,712.80	436.56	408,157.20	843,271.56	32.1183473	-103.3580808	6,725.72	0.00	0.00	0.00
18,500.00	89.50	179.51	11,705.89	-6,812.79	437.42	408,057.21	843,272.42	32.1180725	-103.3580810	6,825.64	0.00	0.00	0.00
18,600.00	89.50	179.51	11,706.77	-6,912.79	438.28	407,957.21	843,273.28	32.1177976	-103.3580811	6,925.57	0.00	0.00	0.00
18,700.00	89.50	179.51	11,707.64	-7,012.78	439.14	407,857.22	843,274.14	32.1175228	-103.3580813	7,025.50	0.00	0.00	0.00
18,800.00	89.50	179.51	11,708.52	-7,112.77	440.00	407,757.23	843,275.00	32.1172479	-103.3580814	7,125.43	0.00	0.00	0.00
18,900.00	89.50	179.51	11,709.40	-7,212.76	440.87	407,657.24	843,275.87	32.1169731	-103.3580815	7,225.36	0.00	0.00	0.00
19,000.00	89.50	179.51	11,710.27	-7,312.76	441.73	407,557.25	843,276.73	32.1166982	-103.3580817	7,325.28	0.00	0.00	0.00
19,100.00	89.50	179.51	11,711.15	-7,412.75	442.59	407,457.25	843,277.59	32.1164233	-103.3580818	7,425.21	0.00	0.00	0.00
19,200.00	89.50	179.51	11,712.03	-7,512.74	443.45	407,357.26	843,278.45	32.1161485	-103.3580820	7,525.14	0.00	0.00	0.00
19,300.00	89.50	179.51	11,712.90	-7,612.73	444.31	407,257.27	843,279.31	32.1158736	-103.3580821	7,625.07	0.00	0.00	0.00
19,400.00	89.50	179.51	11,713.78	-7,712.72	445.17	407,157.28	843,280.17	32.1155988	-103.3580822	7,725.00	0.00	0.00	0.00
19,500.00	89.50	179.51	11,714.66	-7,812.72	446.03	407,057.28	843,281.03	32.1153239	-103.3580824	7,824.92	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,600.00	89.50	179.51	11,715.53	-7,912.71	446.89	406,957.29	843,281.89	32.1150491	-103.3580825	7,924.85	0.00	0.00	0.00
19,700.00	89.50	179.51	11,716.41	-8,012.70	447.75	406,857.30	843,282.75	32.1147742	-103.3580827	8,024.78	0.00	0.00	0.00
19,800.00	89.50	179.51	11,717.28	-8,112.69	448.61	406,757.31	843,283.61	32.1144993	-103.3580828	8,124.71	0.00	0.00	0.00
19,900.00	89.50	179.51	11,718.16	-8,212.69	449.48	406,657.31	843,284.48	32.1142245	-103.3580830	8,224.64	0.00	0.00	0.00
20,000.00	89.50	179.51	11,719.04	-8,312.68	450.34	406,557.32	843,285.34	32.1139496	-103.3580831	8,324.56	0.00	0.00	0.00
20,100.00	89.50	179.51	11,719.91	-8,412.67	451.20	406,457.33	843,286.20	32.1136748	-103.3580832	8,424.49	0.00	0.00	0.00
20,200.00	89.50	179.51	11,720.79	-8,512.66	452.06	406,357.34	843,287.06	32.1133999	-103.3580834	8,524.42	0.00	0.00	0.00
20,300.00	89.50	179.51	11,721.67	-8,612.66	452.92	406,257.34	843,287.92	32.1131251	-103.3580835	8,624.35	0.00	0.00	0.00
20,400.00	89.50	179.51	11,722.54	-8,712.65	453.78	406,157.35	843,288.78	32.1128502	-103.3580837	8,724.28	0.00	0.00	0.00
20,500.00	89.50	179.51	11,723.42	-8,812.64	454.64	406,057.36	843,289.64	32.1125754	-103.3580838	8,824.20	0.00	0.00	0.00
20,600.00	89.50	179.51	11,724.30	-8,912.63	455.50	405,957.37	843,290.50	32.1123005	-103.3580839	8,924.13	0.00	0.00	0.00
20,700.00	89.50	179.51	11,725.17	-9,012.63	456.36	405,857.37	843,291.36	32.1120256	-103.3580841	9,024.06	0.00	0.00	0.00
20,800.00	89.50	179.51	11,726.05	-9,112.62	457.22	405,757.38	843,292.22	32.1117508	-103.3580842	9,123.99	0.00	0.00	0.00
20,900.00	89.50	179.51	11,726.93	-9,212.61	458.08	405,657.39	843,293.08	32.1114759	-103.3580844	9,223.91	0.00	0.00	0.00
21,000.00	89.50	179.51	11,727.80	-9,312.60	458.95	405,557.40	843,293.95	32.1112011	-103.3580845	9,323.84	0.00	0.00	0.00
21,100.00	89.50	179.51	11,728.68	-9,412.60	459.81	405,457.40	843,294.81	32.1109262	-103.3580847	9,423.77	0.00	0.00	0.00
21,200.00	89.50	179.51	11,729.55	-9,512.59	460.67	405,357.41	843,295.67	32.1106514	-103.3580848	9,523.70	0.00	0.00	0.00
21,300.00	89.50	179.51	11,730.43	-9,612.58	461.53	405,257.42	843,296.53	32.1103765	-103.3580849	9,623.63	0.00	0.00	0.00
21,400.00	89.50	179.51	11,731.31	-9,712.57	462.39	405,157.43	843,297.39	32.1101016	-103.3580851	9,723.55	0.00	0.00	0.00
21,500.00	89.50	179.51	11,732.18	-9,812.57	463.25	405,057.43	843,298.25	32.1098268	-103.3580852	9,823.48	0.00	0.00	0.00
21,600.00	89.50	179.51	11,733.06	-9,912.56	464.11	404,957.44	843,299.11	32.1095519	-103.3580854	9,923.41	0.00	0.00	0.00
21,700.00	89.50	179.51	11,733.94	-10,012.55	464.97	404,857.45	843,299.97	32.1092771	-103.3580855	10,023.34	0.00	0.00	0.00
21,800.00	89.50	179.51	11,734.81	-10,112.54	465.83	404,757.46	843,300.83	32.1090022	-103.3580856	10,123.27	0.00	0.00	0.00
21,840.46	89.50	179.51	11,735.17	-10,153.00	466.18	404,717.00	843,301.18	32.1088910	-103.3580857	10,163.70	0.00	0.00	0.00
Junior Mint Fed 152H LTP													
21,900.00	89.50	179.51	11,735.69	-10,212.54	466.69	404,657.46	843,301.69	32.1087274	-103.3580858	10,223.19	0.00	0.00	0.00
21,935.47	89.50	179.51	11,736.00	-10,248.00	467.00	404,622.00	843,302.00	32.1086299	-103.3580858	10,258.64	0.00	0.00	0.00
Junior Mint Fed 152H BHL													

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 152H	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	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Junior Mint Fed 152H	0.00	0.00	11,076.00	204.00	377.00	415,074.00	843,212.00	32.1373600	-103.3580710
- plan misses target center by 49.35usft at 11106.38usft MD (11076.08 TVD, 253.35 N, 376.58 E)									
- Point									
Junior Mint Fed 152H	0.00	0.00	11,735.50	-10,153.00	466.00	404,717.00	843,301.00	32.1088910	-103.3580863
- plan misses target center by 0.38usft at 21840.46usft MD (11735.17 TVD, -10153.00 N, 466.18 E)									
- Point									
Junior Mint Fed 152H	0.00	0.00	11,736.00	-10,248.00	467.00	404,622.00	843,302.00	32.1086299	-103.3580858
- plan hits target center									
- Point									

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 152H

OH
Plan 1



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 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 2,431.00usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Well	Junior Mint Fed 152H					
Well Position	+N/-S	0.00 usft	Northing:	414,870.00 usft	Latitude:	32.1368087
	+E/-W	0.00 usft	Easting:	842,835.00 usft	Longitude:	-103.3592947
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,220.00 usft
Grid Convergence:		0.52 °				

Survey Tool Program		Date	3/24/2025	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	21,935.47	Plan 1 (OH)	MWD+HRGM+SAG+FDIF OWSG	MWD + HRGM + SAG + FDIR Correction

Offset Listing								
Site Name	Ground LevelKB Height		Map Coordinates		Geographical Coordinates		Surface Uncertainty	
Offset Well			Northing	Easting	Latitude	Longitude	Site	Well
Civitas Resources - Junior Mint Fed Pad								
(O) Montera Federal 023H -	3,221.00	3,250.00	415,363.56	843,044.05	32.1381600	-103.3586050	0.00	0.00
Junior Mint Fed 131H -	3,221.00	3,247.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.50
Junior Mint Fed 132H -	3,220.00	3,246.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.50
Junior Mint Fed 133H -	3,223.00	3,249.00	415,726.00	845,129.00	32.1391042	-103.3518593	0.00	0.50
Junior Mint Fed 134H -	3,221.00	3,247.00	415,566.00	845,129.00	32.1386644	-103.3518640	0.00	0.50
Junior Mint Fed 135H -	3,220.00	3,246.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.50
Junior Mint Fed 137H -	3,220.00	3,246.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.50
Junior Mint Fed 151H -	3,221.00	3,247.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.50
Junior Mint Fed 156H -	3,223.00	3,249.00	415,701.00	845,129.00	32.1390354	-103.3518600	0.00	0.50
Junior Mint Fed 211H -	3,221.00	3,247.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.50
Junior Mint Fed 212H -	3,220.00	3,246.00	414,845.00	842,810.00	32.1367406	-103.3593762	0.00	0.50
Junior Mint Fed 213H -	3,222.00	3,248.00	415,701.00	845,154.00	32.1390348	-103.3517793	0.00	0.50
Junior Mint Fed 215H -	3,220.00	3,246.00	414,685.00	842,810.00	32.1363008	-103.3593809	0.00	0.50
Junior Mint Fed 216H -	3,223.00	3,249.00	415,751.00	845,129.00	32.1391729	-103.3518586	0.00	0.50
Junior Mint Fed 217H -	3,221.00	3,247.00	414,870.00	842,810.00	32.1368093	-103.3593755	0.00	0.50
Junior Mint Fed 221H -	3,221.00	3,247.00	414,635.00	842,810.00	32.1361634	-103.3593824	0.00	0.50
Junior Mint Fed 222H -	3,220.00	3,246.00	414,820.00	842,810.00	32.1366718	-103.3593769	0.00	0.50
Junior Mint Fed 223H -	3,223.00	3,249.00	415,751.00	845,154.00	32.1391723	-103.3517778	0.00	0.50

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Separation Between Ellipses (usft)	Warning Factor	Warning
Offset Well - Wellbore - Design						

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

3/25/2025 5:52:35AM

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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	10,194.56	10,172.85	242.68	191.85	4.77	CC
(O) Montera Federal 023H - OH - OH	10,300.00	10,276.96	243.10	191.82	4.74	ES
(O) Montera Federal 023H - OH - OH	11,000.00	10,974.86	249.74	195.44	4.60	SF
Junior Mint Fed 131H - OH - Plan 1	300.00	301.00	235.00	231.03	59.26	CC, ES
Junior Mint Fed 131H - OH - Plan 1	21,935.47	22,480.65	1,296.76	1,033.33	4.92	SF
Junior Mint Fed 132H - OH - Plan 1	300.00	300.00	50.00	46.04	12.62	CC
Junior Mint Fed 132H - OH - Plan 1	4,162.82	4,172.86	59.21	38.88	2.91	ES
Junior Mint Fed 132H - OH - Plan 1	4,200.00	4,209.70	59.43	39.00	2.91	SF
Junior Mint Fed 133H - OH - Plan 1	11,159.47	11,185.27	1,515.00	1,482.86	47.13	CC
Junior Mint Fed 133H - OH - Plan 1	21,935.47	22,375.72	1,548.21	1,263.32	5.43	ES, SF
Junior Mint Fed 134H - OH - Plan 1	4,053.76	3,896.51	2,107.05	2,088.22	111.90	CC
Junior Mint Fed 134H - OH - Plan 1	21,935.47	22,330.08	2,238.41	1,951.08	7.79	ES, SF
Junior Mint Fed 135H - OH - Plan 1	300.00	300.00	210.00	206.04	53.00	CC, ES
Junior Mint Fed 135H - OH - Plan 1	21,935.47	22,407.18	723.38	499.46	3.23	SF
Junior Mint Fed 137H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	400.15	25.42	20.73	5.43	ES
Junior Mint Fed 137H - OH - Plan 1	21,935.47	22,510.07	909.47	664.19	3.71	SF
Junior Mint Fed 151H - OH - Plan 1	300.00	301.00	185.00	181.03	46.65	CC, ES
Junior Mint Fed 151H - OH - Plan 1	21,935.47	22,006.88	1,320.06	1,039.12	4.70	SF
Junior Mint Fed 156H - OH - Plan 1	11,008.39	11,037.46	1,655.01	1,623.79	53.01	CC
Junior Mint Fed 156H - OH - Plan 1	21,935.47	21,913.28	1,662.11	1,369.16	5.67	ES, SF
Junior Mint Fed 211H - OH - Plan 1	300.75	301.78	211.48	207.51	53.25	CC
Junior Mint Fed 211H - OH - Plan 1	400.00	402.51	211.98	207.27	45.05	ES
Junior Mint Fed 211H - OH - Plan 1	21,935.47	22,888.51	1,712.98	1,464.68	6.90	SF
Junior Mint Fed 212H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC, ES
Junior Mint Fed 212H - OH - Plan 1	11,150.00	11,143.40	165.02	132.93	5.14	SF
Junior Mint Fed 213H - OH - Plan 1	11,150.00	11,235.13	1,161.01	1,127.81	34.97	ES
Junior Mint Fed 213H - OH - Plan 1	11,153.79	11,238.90	1,161.01	1,127.81	34.97	CC
Junior Mint Fed 213H - OH - Plan 1	21,935.47	22,818.93	1,396.61	1,144.35	5.54	SF
Junior Mint Fed 215H - OH - Plan 1	414.96	418.75	186.66	181.82	38.53	CC
Junior Mint Fed 215H - OH - Plan 1	600.00	608.95	187.30	181.29	31.15	ES
Junior Mint Fed 215H - OH - Plan 1	21,935.47	22,798.90	1,157.53	952.66	5.65	SF
Junior Mint Fed 216H - OH - Plan 1	11,164.68	11,168.35	1,871.01	1,839.67	59.69	CC
Junior Mint Fed 216H - OH - Plan 1	21,935.47	22,710.23	2,018.21	1,742.28	7.31	ES, SF
Junior Mint Fed 217H - OH - Plan 1	300.00	301.00	25.00	21.03	6.30	CC, ES
Junior Mint Fed 217H - OH - Plan 1	500.00	500.91	29.49	24.10	5.47	SF
Junior Mint Fed 221H - OH - Plan 1	300.00	301.00	236.33	232.36	59.59	CC, ES
Junior Mint Fed 221H - OH - Plan 1	21,935.47	23,181.83	1,669.29	1,459.94	7.97	SF
Junior Mint Fed 222H - OH - Plan 1	300.00	300.00	55.90	51.94	14.11	CC, ES
Junior Mint Fed 222H - OH - Plan 1	4,512.23	4,529.36	108.79	87.60	5.14	SF
Junior Mint Fed 223H - OH - Plan 1	11,150.00	11,196.42	1,390.00	1,357.11	42.26	ES
Junior Mint Fed 223H - OH - Plan 1	11,157.52	11,203.92	1,390.00	1,357.11	42.26	CC
Junior Mint Fed 223H - OH - Plan 1	21,935.47	23,125.00	1,862.75	1,617.77	7.60	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_OWGS, 11638-3_MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Offset Measured Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	4.10	4.10	0.50	0.01	22.96	493.56	209.06	536.01		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
100.00	100.00	106.38	106.38	0.98	0.15	22.96	493.33	208.96	535.77	534.64		1.13	474.965		
200.00	200.00	206.22	206.22	1.56	0.50	22.96	492.98	208.86	535.40	533.35		2.06	260.162		
300.00	300.00	307.28	307.28	1.98	0.85	22.96	492.51	208.65	534.89	532.06		2.83	188.853		
400.00	399.99	407.68	407.67	2.41	1.20	-33.21	491.91	208.32	533.12	529.52		3.59	148.453		
500.00	499.91	508.15	508.14	2.79	1.56	-33.54	491.46	207.54	529.13	524.84		4.29	123.218		
600.00	599.69	608.32	608.30	3.12	1.91	-34.10	491.05	206.29	522.83	517.87		4.96	105.361		
633.33	632.91	641.50	641.48	3.15	2.02	-34.33	490.91	205.86	520.26	515.15		5.11	101.839		
700.00	699.32	707.16	707.13	3.26	2.25	-34.75	490.63	205.08	514.91	509.47		5.44	94.579		
800.00	798.94	803.13	803.09	3.51	2.59	-35.40	490.64	204.08	507.41	501.38		6.03	84.176		
900.00	898.56	899.87	899.83	3.75	2.93	-36.08	491.36	203.20	500.70	494.09		6.60	75.822		
1,000.00	998.18	999.27	999.22	3.98	3.27	-36.78	492.17	202.52	494.21	487.03		7.18	68.829		
1,100.00	1,097.80	1,100.03	1,099.98	4.21	3.62	-37.52	492.93	201.76	487.72	479.97		7.76	62.887		
1,200.00	1,197.42	1,199.81	1,199.75	4.44	3.97	-38.27	493.63	200.88	481.22	472.90		8.32	57.826		
1,300.00	1,297.04	1,300.00	1,299.94	4.66	4.32	-39.06	494.19	199.91	474.65	465.77		8.88	53.424		
1,400.00	1,396.66	1,398.85	1,398.78	4.87	4.67	-39.84	494.83	199.14	468.30	458.87		9.44	49.617		
1,500.00	1,496.28	1,498.37	1,498.30	5.08	5.02	-40.63	495.42	198.47	462.03	452.04		9.99	46.249		
1,600.00	1,595.90	1,597.65	1,597.57	5.29	5.37	-41.42	496.03	197.97	455.90	445.36		10.54	43.266		
1,700.00	1,695.52	1,696.48	1,696.40	5.50	5.71	-42.21	496.78	197.68	450.06	438.98		11.08	40.622		
1,800.00	1,795.14	1,795.83	1,795.74	5.71	6.06	-42.98	497.57	197.68	444.41	432.79		11.62	38.245		
1,900.00	1,894.76	1,895.25	1,895.17	5.91	6.40	-43.76	498.33	197.82	438.83	426.67		12.16	36.094		
2,000.00	1,994.38	1,995.05	1,994.96	6.11	6.75	-44.53	499.08	198.20	433.38	420.68		12.70	34.137		
2,100.00	2,094.00	2,094.31	2,094.22	6.31	7.10	-45.30	499.77	198.68	427.97	414.75		13.23	32.353		
2,200.00	2,193.62	2,194.64	2,194.54	6.52	7.45	-46.09	500.46	199.19	422.65	408.87		13.77	30.685		
2,206.41	2,200.00	2,201.04	2,200.94	6.53	7.47	-46.14	500.50	199.24	422.30	408.50		13.81	30.583		
2,300.00	2,293.13	2,293.44	2,293.34	6.73	7.79	-47.01	501.09	200.12	416.63	402.32		14.31	29.122		
2,400.00	2,392.34	2,392.12	2,392.00	6.97	8.14	-48.19	501.82	201.39	409.13	394.28		14.85	27.544		
2,500.00	2,491.20	2,490.41	2,490.28	7.20	8.48	-49.67	502.72	203.00	400.30	384.89		15.40	25.988		
2,539.71	2,530.34	2,528.65	2,528.51	7.26	8.62	-50.33	503.14	203.75	396.48	380.89		15.59	25.435		
2,600.00	2,589.72	2,587.33	2,587.17	7.35	8.82	-51.30	503.96	205.09	390.78	374.90		15.88	24.603		
2,700.00	2,688.20	2,684.60	2,684.40	7.56	9.16	-52.95	505.62	207.50	381.91	365.49		16.42	23.253		
2,800.00	2,786.68	2,792.53	2,792.27	7.76	9.54	-54.85	507.24	210.25	373.26	356.26		17.00	21.959		
2,900.00	2,885.16	2,879.39	2,879.07	7.97	9.85	-56.41	508.56	212.72	364.86	347.35		17.51	20.837		
3,000.00	2,983.64	2,978.44	2,978.03	8.18	10.20	-58.19	511.40	216.00	358.20	340.14		18.06	19.831		
3,100.00	3,082.12	3,084.77	3,084.26	8.38	10.58	-60.11	513.14	219.95	350.65	332.01		18.64	18.810		
3,200.00	3,180.60	3,182.86	3,182.28	8.59	10.93	-61.97	514.01	223.59	342.74	323.54		19.20	17.855		
3,300.00	3,279.09	3,281.84	3,281.19	8.80	11.28	-63.93	515.09	227.26	335.41	315.66		19.75	16.980		
3,400.00	3,377.57	3,383.47	3,382.78	9.00	11.64	-66.24	515.58	229.93	328.08	307.77		20.32	16.149		
3,500.00	3,476.05	3,481.53	3,480.83	9.21	11.98	-68.76	515.65	231.44	321.11	300.25		20.87	15.389		
3,600.00	3,574.53	3,579.56	3,578.86	9.42	12.32	-71.50	515.66	232.30	314.93	293.51		21.42	14.705		
3,695.67	3,668.75	3,673.53	3,672.83	9.61	12.65	-74.27	515.80	232.81	309.96	288.03		21.94	14.129		
3,700.00	3,673.01	3,677.79	3,677.08	9.62	12.66	-74.40	515.81	232.83	309.76	287.80		21.96	14.106		
3,800.00	3,771.73	3,777.05	3,776.35	9.84	13.01	-77.13	515.83	233.20	305.68	283.17		22.51	13.582		
3,900.00	3,870.82	3,876.99	3,876.28	10.06	13.36	-79.38	516.02	234.14	302.75	279.70		23.04	13.139		
4,000.00	3,970.24	3,982.16	3,981.37	10.27	13.73	-80.77	516.04	238.06	299.38	275.80		23.58	12.698		
4,100.00	4,069.90	4,084.82	4,083.82	10.47	14.10	-81.19	515.63	244.63	295.03	270.94		24.10	12.244		
4,200.00	4,169.75	4,193.99	4,192.67	10.66	14.50	-81.00	513.85	252.65	289.62	265.03		24.59	11.777		
4,300.00	4,269.70	4,295.47	4,293.80	10.84	14.86	-80.59	509.38	259.61	282.28	257.22		25.06	11.263		
4,362.30	4,332.00	4,355.15	4,353.34	10.89	15.07	-24.51	505.71	261.51	277.90	252.57		25.33	10.973		
4,400.00	4,369.70	4,388.74	4,386.86	10.91	15.18	-24.70	503.64	261.44	275.82	250.34		25.47	10.827		
4,491.15	4,460.84	4,466.84	4,464.84	10.98	15.46	-25.48	500.27	258.92	273.52	247.66		25.86	10.578		
4,500.00	4,469.70	4,475.00	4,472.99	10.99	15.49	-25.57	500.10	258.52	273.54	247.65		25.89	10.564		
4,600.00	4,569.70	4,561.82	4,559.69	11.07	15.80	-26.31	500.98	254.16	276.59	250.32		26.27	10.530		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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_OWGS, 11638-3_MWD													Offset Well Error:	0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
4,700.00	4,669.70	4,667.97	4,665.68	11.16	16.17	-26.24	505.87	252.10	281.65	254.91	26.74	10.532		
4,800.00	4,769.70	4,782.96	4,780.31	11.24	16.59	-24.48	509.54	259.96	281.56	254.30	27.26	10.328		
4,900.00	4,869.70	4,893.57	4,890.33	11.32	17.01	-22.37	509.29	271.24	277.27	249.53	27.74	9.995		
5,000.00	4,969.70	4,993.08	4,989.55	11.41	17.37	-21.47	505.11	277.54	271.00	242.81	28.19	9.612		
5,100.00	5,069.70	5,089.34	5,085.68	11.49	17.71	-21.24	501.07	280.28	266.05	237.41	28.63	9.291		
5,200.00	5,169.70	5,183.68	5,179.96	11.57	18.03	-21.43	497.70	280.68	262.57	233.51	29.07	9.033		
5,300.00	5,269.70	5,277.57	5,273.80	11.66	18.36	-21.99	495.70	278.73	261.36	231.87	29.49	8.862		
5,306.38	5,276.07	5,283.85	5,280.07	11.66	18.38	-22.03	495.62	278.55	261.36	231.84	29.52	8.854		
5,400.00	5,369.70	5,376.47	5,372.65	11.74	18.71	-22.64	494.72	275.90	261.53	231.61	29.93	8.740		
5,500.00	5,469.70	5,476.13	5,472.27	11.82	19.06	-23.29	493.90	273.04	261.89	231.53	30.36	8.626		
5,600.00	5,569.70	5,576.85	5,572.95	11.91	19.42	-23.91	493.11	270.30	262.26	231.46	30.80	8.515		
5,700.00	5,669.70	5,677.26	5,673.33	11.99	19.77	-24.41	492.36	268.12	262.47	231.23	31.24	8.402		
5,800.00	5,769.70	5,777.44	5,773.49	12.07	20.13	-24.82	491.63	266.36	262.54	230.87	31.68	8.289		
5,900.00	5,869.70	5,877.49	5,873.53	12.16	20.48	-25.20	490.92	264.77	262.57	230.46	32.11	8.177		
6,000.00	5,969.70	5,977.60	5,973.63	12.24	20.83	-25.56	490.27	263.27	262.62	230.07	32.55	8.069		
6,100.00	6,069.70	6,078.10	6,074.12	12.32	21.18	-25.90	489.74	261.82	262.78	229.79	32.98	7.967		
6,200.00	6,169.70	6,178.68	6,174.68	12.40	21.53	-26.23	488.75	260.61	262.42	229.00	33.42	7.852		
6,300.00	6,269.70	6,279.08	6,275.07	12.49	21.88	-26.55	487.67	259.51	261.94	228.09	33.86	7.737		
6,400.00	6,369.70	6,379.02	6,375.01	12.57	22.23	-26.81	486.59	258.71	261.33	227.04	34.29	7.621		
6,500.00	6,469.70	6,478.76	6,474.73	12.65	22.57	-27.05	485.69	257.97	260.86	226.14	34.72	7.513		
6,600.00	6,569.70	6,578.47	6,574.44	12.74	22.92	-27.24	484.90	257.37	260.43	225.28	35.16	7.408		
6,700.00	6,669.70	6,678.73	6,674.70	12.82	23.27	-27.42	484.17	256.85	260.03	224.44	35.59	7.306		
6,800.00	6,769.70	6,778.60	6,774.56	12.90	23.61	-27.60	483.40	256.30	259.59	223.57	36.02	7.206		
6,900.00	6,869.70	6,879.05	6,875.01	12.99	23.96	-27.77	482.73	255.80	259.24	222.78	36.46	7.110		
7,000.00	6,969.70	6,978.91	6,974.87	13.07	24.31	-27.89	482.09	255.53	258.80	221.91	36.89	7.015		
7,100.00	7,069.70	7,078.93	7,074.89	13.15	24.66	-27.98	481.58	255.35	258.43	221.10	37.33	6.924		
7,200.00	7,169.70	7,179.40	7,175.35	13.24	25.01	-28.08	480.92	255.19	257.92	220.16	37.76	6.831		
7,300.00	7,269.70	7,278.79	7,274.74	13.32	25.35	-28.14	480.26	255.21	257.34	219.15	38.19	6.738		
7,400.00	7,369.70	7,379.09	7,375.03	13.40	25.70	-28.18	479.79	255.28	256.89	218.26	38.63	6.651		
7,500.00	7,469.70	7,479.26	7,475.21	13.48	26.05	-28.17	479.50	255.46	256.54	217.48	39.06	6.568		
7,600.00	7,569.70	7,578.18	7,574.13	13.57	26.39	-28.12	479.30	255.82	256.20	216.70	39.49	6.487		
7,700.00	7,669.70	7,677.87	7,673.81	13.65	26.74	-28.09	479.25	256.03	256.05	216.13	39.92	6.413		
7,793.21	7,762.90	7,770.96	7,766.90	13.73	27.06	-28.02	479.33	256.33	255.98	215.65	40.33	6.347		
7,800.00	7,769.70	7,777.70	7,773.65	13.73	27.08	-28.01	479.34	256.36	255.98	215.62	40.36	6.343		
7,900.00	7,869.70	7,876.93	7,872.88	13.82	27.43	-27.87	479.79	256.82	256.16	215.37	40.79	6.280		
8,000.00	7,969.70	7,977.42	7,973.36	13.90	27.78	-27.75	480.26	257.22	256.39	215.16	41.23	6.219		
8,100.00	8,069.70	8,077.28	8,073.21	13.98	28.12	-27.53	480.96	257.92	256.68	215.02	41.67	6.161		
8,200.00	8,169.70	8,177.15	8,173.07	14.07	28.47	-27.32	481.68	258.65	256.99	214.88	42.10	6.104		
8,300.00	8,269.70	8,276.74	8,272.66	14.15	28.82	-27.08	482.47	259.42	257.33	214.80	42.54	6.050		
8,400.00	8,369.70	8,376.32	8,372.24	14.23	29.17	-26.83	483.35	260.25	257.75	214.78	42.97	5.998		
8,500.00	8,469.70	8,476.79	8,472.70	14.31	29.52	-26.56	484.30	261.14	258.19	214.78	43.41	5.947		
8,600.00	8,569.70	8,576.62	8,572.52	14.40	29.87	-26.26	485.34	262.12	258.69	214.84	43.85	5.899		
8,700.00	8,669.70	8,676.68	8,672.57	14.48	30.22	-25.97	486.27	263.14	259.08	214.79	44.29	5.850		
8,800.00	8,769.70	8,777.49	8,773.37	14.56	30.57	-25.70	487.05	264.10	259.36	214.63	44.73	5.798		
8,900.00	8,869.70	8,877.03	8,872.90	14.65	30.92	-25.42	487.95	265.07	259.75	214.59	45.17	5.751		
9,000.00	8,969.70	8,978.30	8,974.16	14.73	31.27	-25.05	488.85	266.51	259.95	214.34	45.61	5.700		
9,100.00	9,069.70	9,081.25	9,077.07	14.81	31.64	-24.54	489.20	268.88	259.30	213.24	46.06	5.630		
9,200.00	9,169.70	9,181.34	9,177.13	14.90	31.99	-23.95	488.97	271.90	257.85	211.35	46.50	5.545		
9,300.00	9,269.70	9,281.85	9,277.59	14.98	32.35	-23.37	488.71	274.89	256.42	209.47	46.95	5.462		
9,400.00	9,369.70	9,382.23	9,377.92	15.06	32.70	-22.81	488.17	277.82	254.77	207.38	47.39	5.376		
9,500.00	9,469.70	9,483.17	9,478.82	15.14	33.05	-22.38	487.02	280.37	252.76	204.92	47.83	5.284		
9,600.00	9,569.70	9,582.83	9,578.45	15.23	33.40	-22.33	485.14	281.39	250.62	202.36	48.27	5.193		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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_OWGS, 11638-3_MWD														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
9,700.00	9,669.70	9,681.54	9,677.14	15.31	33.75	-22.71	483.09	280.43	249.08	200.38		48.70	5.115		
9,800.00	9,769.70	9,781.56	9,777.14	15.39	34.10	-23.15	481.07	279.23	247.67	198.55		49.13	5.041		
9,900.00	9,869.70	9,882.01	9,877.54	15.48	34.45	-23.64	478.92	277.83	246.27	196.71		49.56	4.969		
10,000.00	9,969.70	9,981.95	9,977.44	15.56	34.80	-24.23	476.44	276.18	244.67	194.68		49.99	4.894		
10,100.00	10,069.70	10,080.76	10,076.21	15.64	35.15	-24.85	474.02	274.36	243.21	192.78		50.42	4.823		
10,194.56	10,164.25	10,172.85	10,168.25	15.72	35.47	-25.51	472.38	272.08	242.68	191.85		50.83	4.775	CC	
10,200.00	10,169.70	10,178.19	10,173.60	15.72	35.49	-25.54	472.31	271.94	242.68	191.83		50.85	4.772		
10,300.00	10,269.70	10,276.96	10,272.32	15.81	35.84	-26.19	471.48	269.27	243.10	191.82		51.28	4.741	ES	
10,400.00	10,369.70	10,377.13	10,372.46	15.89	36.19	-26.78	470.82	266.81	243.61	191.89		51.71	4.711		
10,500.00	10,469.70	10,476.89	10,472.20	15.97	36.55	-27.25	470.41	264.77	244.17	192.02		52.15	4.682		
10,600.00	10,569.70	10,575.42	10,570.72	16.06	36.89	-27.53	470.62	263.33	245.03	192.46		52.57	4.661		
10,700.00	10,669.70	10,675.56	10,670.84	16.14	37.24	-27.78	471.18	261.82	246.23	193.22		53.01	4.645		
10,800.00	10,769.70	10,775.61	10,770.87	16.22	37.59	-28.19	471.36	259.72	247.37	193.93		53.44	4.629		
10,900.00	10,869.70	10,875.80	10,871.03	16.30	37.94	-28.62	471.46	257.57	248.48	194.61		53.87	4.612		
11,000.00	10,969.70	10,974.86	10,970.07	16.39	38.29	-29.08	471.59	255.21	249.74	195.44		54.30	4.599	SF	
11,100.00	11,069.70	11,071.05	11,066.21	16.47	38.63	-29.66	472.02	252.07	251.75	197.03		54.72	4.601		
11,106.30	11,076.00	11,076.97	11,072.12	16.48	38.66	-29.70	472.08	251.81	251.94	197.19		54.75	4.602		
11,150.00	11,119.65	11,117.21	11,112.30	16.50	38.80	-29.70	472.69	249.84	255.03	200.11		54.92	4.644		
11,200.00	11,169.28	11,161.65	11,156.66	16.52	38.96	-29.70	474.02	247.34	262.91	207.82		55.09	4.772		
11,250.00	11,218.19	11,206.40	11,201.27	16.54	39.12	-29.70	476.04	244.50	275.35	220.08		55.27	4.982		
11,300.00	11,266.03	11,251.23	11,245.93	16.57	39.28	-29.70	478.48	241.48	291.96	236.52		55.44	5.266		
11,350.00	11,312.42	11,298.18	11,292.70	16.60	39.44	-29.70	481.18	238.46	312.30	256.67		55.63	5.613		
11,400.00	11,357.00	11,343.23	11,337.62	16.63	39.60	-29.70	483.63	235.96	335.95	280.14		55.81	6.019		
11,450.00	11,399.45	11,384.65	11,378.94	16.67	39.75	-29.70	485.80	233.91	362.96	306.98		55.98	6.484		
11,500.00	11,439.44	11,422.63	11,416.82	16.71	39.88	-29.70	487.80	232.05	393.40	337.26		56.13	7.008		
11,550.00	11,476.66	11,458.26	11,452.35	16.75	40.01	-29.70	489.68	230.31	427.06	370.78		56.28	7.588		
11,600.00	11,510.83	11,490.67	11,484.68	16.80	40.12	-29.70	491.40	228.75	463.72	407.30		56.41	8.220		
11,650.00	11,541.70	11,519.21	11,513.14	16.85	40.22	-29.70	492.89	227.39	503.09	446.56		56.53	8.899		
11,700.00	11,569.01	11,545.01	11,538.89	16.91	40.31	-29.70	494.25	226.18	544.91	488.26		56.64	9.620		
11,750.00	11,592.58	11,568.65	11,562.47	16.99	40.40	-29.70	495.43	225.13	588.78	532.04		56.74	10.377		
11,800.00	11,612.22	11,588.22	11,582.00	17.07	40.45	-29.70	496.34	224.28	634.37	577.56		56.81	11.167		
11,850.00	11,627.77	11,603.10	11,596.86	17.17	40.48	-29.70	496.99	223.65	681.36	624.51		56.85	11.986		
11,900.00	11,639.12	11,613.44	11,607.18	17.28	40.50	-29.70	497.43	223.23	729.41	672.54		56.88	12.825		
11,950.00	11,646.19	11,619.07	11,612.80	17.41	40.51	-29.70	497.66	223.01	778.17	721.27		56.90	13.677		
12,000.00	11,648.92	11,619.84	11,613.56	17.55	40.51	-29.70	497.69	222.98	827.25	770.34		56.91	14.536		
12,001.28	11,648.94	11,619.79	11,613.51	17.56	40.51	-29.70	497.69	222.98	828.51	771.60		56.91	14.558		
12,100.00	11,649.80	11,616.11	11,609.84	17.91	40.50	-29.70	497.54	223.13	925.67	868.73		56.93	16.259		
12,200.00	11,650.68	11,612.27	11,606.01	18.35	40.49	-29.70	497.38	223.28	1,024.38	967.42		56.96	17.985		
12,300.00	11,651.55	11,608.31	11,602.05	18.88	40.49	-29.70	497.21	223.44	1,123.30	1,066.32		56.99	19.711		
12,400.00	11,652.43	11,604.22	11,597.97	19.49	40.48	-29.70	497.04	223.61	1,222.39	1,165.37		57.02	21.438		
12,500.00	11,653.31	11,600.00	11,593.76	20.18	40.47	-29.70	496.86	223.78	1,321.61	1,264.55		57.06	23.163		
12,600.00	11,654.18	11,595.64	11,589.41	20.94	40.46	-29.70	496.67	223.96	1,420.92	1,363.83		57.10	24.887		
12,700.00	11,655.06	11,591.14	11,584.91	21.77	40.45	-29.70	496.47	224.15	1,520.32	1,463.18		57.14	26.608		
12,800.00	11,655.94	11,586.48	11,580.26	22.65	40.45	-29.70	496.26	224.35	1,619.78	1,562.60		57.18	28.326		
12,900.00	11,656.81	11,581.66	11,575.45	23.58	40.44	-29.70	496.04	224.56	1,719.29	1,662.06		57.23	30.041		
13,000.00	11,657.69	11,576.23	11,570.03	24.56	40.42	-29.70	495.79	224.80	1,818.85	1,761.57		57.28	31.755		
13,100.00	11,658.57	11,570.07	11,563.88	25.57	40.40	-29.70	495.50	225.06	1,918.44	1,861.11		57.32	33.468		
13,200.00	11,659.44	11,563.58	11,557.41	26.62	40.38	-29.70	495.19	225.35	2,018.05	1,960.68		57.37	35.177		
13,300.00	11,660.32	11,556.67	11,550.52	27.69	40.35	-29.70	494.85	225.66	2,117.69	2,060.28		57.42	36.882		
13,400.00	11,661.19	11,549.54	11,543.40	28.80	40.33	-29.70	494.48	225.98	2,217.35	2,159.89		57.47	38.583		
13,500.00	11,662.07	11,544.44	11,538.32	29.92	40.31	-29.70	494.22	226.21	2,317.03	2,259.51		57.52	40.279		
13,600.00	11,662.95	11,539.28	11,533.16	31.07	40.29	-29.70	493.95	226.45	2,416.73	2,359.15		57.58	41.970		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Rule Assigned:	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-235.00	0.00	235.00	235.00					
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-235.00	0.00	235.00	233.03	1.97	119.432			
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-235.00	0.00	235.00	231.87	3.13	75.166			
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-235.00	0.00	235.00	231.03	3.97	59.257	CC, ES		
400.00	399.99	400.99	400.99	2.41	2.33	124.18	-235.00	0.00	235.73	231.05	4.69	50.291			
500.00	499.91	500.91	500.91	2.79	2.64	124.94	-235.00	0.00	237.96	232.64	5.32	44.737			
600.00	599.69	600.69	600.69	3.12	2.91	126.16	-235.00	0.00	241.77	235.87	5.90	41.011			
633.33	632.91	633.91	633.91	3.15	3.00	126.67	-235.00	0.00	243.41	237.40	6.01	40.499			
700.00	699.32	700.32	700.32	3.26	3.16	127.74	-235.00	0.00	246.93	240.64	6.29	39.259			
800.00	798.94	799.94	799.94	3.51	3.40	129.31	-235.00	0.00	252.38	245.59	6.78	37.203			
900.00	898.56	899.56	899.56	3.75	3.62	130.80	-235.00	0.00	258.00	250.74	7.25	35.571			
1,000.00	998.18	999.18	999.18	3.98	3.83	132.23	-235.00	0.00	263.79	256.08	7.70	34.248			
1,100.00	1,097.80	1,098.80	1,098.80	4.21	4.04	133.60	-235.00	0.00	269.73	261.60	8.14	33.157			
1,200.00	1,197.42	1,198.42	1,198.42	4.44	4.23	134.91	-235.00	0.00	275.83	267.27	8.55	32.245			
1,300.00	1,297.04	1,298.04	1,298.04	4.66	4.42	136.16	-235.00	0.00	282.06	273.10	8.96	31.476			
1,400.00	1,396.66	1,397.66	1,397.66	4.87	4.60	137.36	-235.00	0.00	288.42	279.06	9.36	30.821			
1,500.00	1,496.28	1,498.62	1,498.61	5.08	4.77	138.68	-234.57	-0.73	294.68	284.94	9.75	30.239			
1,600.00	1,595.90	1,599.41	1,599.37	5.29	4.94	140.26	-233.26	-3.00	300.67	290.55	10.12	29.706			
1,700.00	1,695.52	1,699.94	1,699.81	5.50	5.10	142.11	-231.07	-6.79	306.51	296.02	10.49	29.209			
1,800.00	1,795.14	1,800.16	1,799.83	5.71	5.26	144.19	-228.00	-12.09	312.35	301.49	10.86	28.755			
1,900.00	1,894.76	1,899.99	1,899.36	5.91	5.43	146.50	-224.08	-18.87	318.36	307.13	11.23	28.351			
2,000.00	1,994.38	1,999.39	1,998.30	6.11	5.59	149.01	-219.31	-27.11	324.70	313.11	11.59	28.004			
2,100.00	2,094.00	2,098.29	2,096.57	6.31	5.76	151.70	-213.71	-36.78	331.58	319.62	11.96	27.724			
2,200.00	2,193.62	2,196.65	2,194.08	6.52	5.92	154.55	-207.30	-47.85	339.19	326.85	12.34	27.493			
2,206.41	2,200.00	2,202.93	2,200.31	6.53	5.93	154.74	-206.86	-48.61	339.70	327.34	12.36	27.481			
2,300.00	2,293.13	2,294.22	2,290.59	6.73	6.09	157.54	-200.11	-60.27	348.77	336.05	12.72	27.424			
2,400.00	2,392.34	2,390.64	2,385.71	6.97	6.26	160.71	-192.20	-73.93	361.95	348.83	13.12	27.588			
2,500.00	2,491.20	2,485.75	2,479.27	7.20	6.43	163.96	-183.61	-88.77	379.01	365.49	13.52	28.023			
2,539.71	2,530.34	2,523.12	2,515.94	7.26	6.49	165.25	-180.03	-94.96	386.91	373.26	13.65	28.340			
2,600.00	2,589.72	2,579.53	2,571.22	7.35	6.60	167.23	-174.39	-104.71	399.71	385.86	13.85	28.853			
2,700.00	2,688.20	2,672.38	2,661.94	7.56	6.77	170.39	-164.51	-121.77	422.31	408.08	14.23	29.675			
2,800.00	2,786.68	2,765.34	2,752.49	7.76	6.92	173.42	-153.95	-140.01	446.58	432.01	14.58	30.638			
2,900.00	2,885.16	2,859.45	2,844.09	7.97	7.11	176.20	-143.14	-158.68	472.10	457.15	14.95	31.581			
3,000.00	2,983.64	2,953.57	2,935.70	8.18	7.32	178.71	-132.33	-177.36	498.60	483.26	15.34	32.507			
3,100.00	3,082.12	3,047.68	3,027.30	8.38	7.54	179.02	-121.52	-196.03	525.94	510.21	15.73	33.440			
3,200.00	3,180.60	3,141.79	3,118.91	8.59	7.76	176.98	-110.71	-214.71	553.99	537.87	16.12	34.370			
3,300.00	3,279.09	3,235.90	3,210.51	8.80	7.99	175.12	-99.90	-233.38	582.65	566.14	16.51	35.289			
3,400.00	3,377.57	3,330.02	3,302.12	9.00	8.22	173.44	-89.09	-252.05	611.85	594.94	16.90	36.193			
3,500.00	3,476.05	3,424.13	3,393.72	9.21	8.46	171.91	-78.28	-270.73	641.49	624.19	17.30	37.079			
3,600.00	3,574.53	3,518.24	3,485.33	9.42	8.70	170.51	-67.46	-289.40	671.53	653.83	17.70	37.943			
3,695.67	3,668.75	3,608.28	3,572.97	9.61	8.93	169.28	-57.12	-307.27	700.59	682.51	18.08	38.758			
3,700.00	3,673.01	3,612.35	3,576.94	9.62	8.94	169.23	-56.65	-308.08	701.90	683.81	18.09	38.800			
3,800.00	3,771.73	3,706.83	3,668.90	9.84	9.19	168.12	-45.80	-326.83	731.26	712.75	18.51	39.514			
3,900.00	3,870.82	3,801.95	3,761.48	10.06	9.44	167.05	-34.87	-345.70	758.44	739.53	18.92	40.091			
4,000.00	3,970.24	3,897.63	3,854.62	10.27	9.70	166.02	-23.88	-364.69	783.45	764.13	19.32	40.541			
4,100.00	4,069.90	3,993.82	3,948.24	10.47	9.96	165.01	-12.83	-383.77	806.28	786.55	19.72	40.877			
4,200.00	4,169.75	4,090.44	4,042.29	10.66	10.22	164.00	-1.74	-402.95	826.92	806.81	20.11	41.111			
4,300.00	4,269.70	4,187.44	4,136.70	10.84	10.48	162.99	9.41	-422.19	845.39	824.90	20.49	41.260			
4,362.30	4,332.00	4,248.03	4,195.68	10.89	10.65	160.29	16.37	-434.22	855.81	835.14	20.67	41.410			
4,400.00	4,369.70	4,284.72	4,231.39	10.91	10.75	160.88	20.58	-441.50	861.88	841.12	20.76	41.523			
4,500.00	4,469.70	4,382.06	4,326.14	10.99	11.03	160.82	31.76	-460.81	878.19	857.15	21.04	41.731			
4,600.00	4,569.70	4,479.39	4,420.88	11.07	11.30	160.80	42.94	-480.12	894.80	873.46	21.33	41.946			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Rule Assigned:		Offset Well Error:		0.50 usft						
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
4,700.00	4,669.70	4,576.73	4,515.62	11.16	11.57	-102.81	54.12	-499.44	911.67	890.05	21.62	42.168
4,800.00	4,769.70	4,674.07	4,610.37	11.24	11.85	-101.86	65.31	-518.75	928.81	906.90	21.91	42.395
4,900.00	4,869.70	4,771.40	4,705.11	11.32	12.13	-100.94	76.49	-538.07	946.19	923.99	22.20	42.627
5,000.00	4,969.70	4,868.74	4,799.85	11.41	12.41	-100.06	87.67	-557.38	963.81	941.32	22.49	42.863
5,100.00	5,069.70	4,966.07	4,894.60	11.49	12.68	-99.21	98.85	-576.70	981.64	958.86	22.77	43.102
5,200.00	5,169.70	5,063.41	4,989.34	11.57	12.97	-98.38	110.03	-596.01	999.68	976.62	23.06	43.343
5,300.00	5,269.70	5,160.75	5,084.08	11.66	13.25	-97.59	121.21	-615.32	1,017.92	994.57	23.35	43.586
5,400.00	5,369.70	5,258.08	5,178.83	11.74	13.53	-96.82	132.39	-634.64	1,036.34	1,012.70	23.64	43.831
5,500.00	5,469.70	5,355.42	5,273.57	11.82	13.82	-96.08	143.57	-653.95	1,054.94	1,031.01	23.93	44.076
5,600.00	5,569.70	5,452.76	5,368.31	11.91	14.10	-95.37	154.75	-673.27	1,073.71	1,049.49	24.23	44.322
5,700.00	5,669.70	5,550.09	5,463.05	11.99	14.38	-94.67	165.93	-692.58	1,092.64	1,068.13	24.51	44.585
5,800.00	5,769.70	5,661.62	5,571.76	12.07	14.68	-93.93	178.42	-714.15	1,111.25	1,086.41	24.84	44.742
5,900.00	5,869.70	5,778.68	5,686.35	12.16	15.00	-93.24	190.40	-734.85	1,128.37	1,103.18	25.19	44.790
6,000.00	5,969.70	5,896.70	5,802.34	12.24	15.30	-92.64	201.30	-753.67	1,143.91	1,118.37	25.54	44.791
6,100.00	6,069.70	6,015.58	5,919.61	12.32	15.57	-92.11	211.06	-770.53	1,157.79	1,131.92	25.87	44.750
6,200.00	6,169.70	6,135.23	6,038.03	12.40	15.82	-91.66	219.65	-785.37	1,169.99	1,143.80	26.19	44.666
6,300.00	6,269.70	6,255.56	6,157.45	12.49	16.05	-91.28	227.04	-798.14	1,180.46	1,153.96	26.50	44.540
6,400.00	6,369.70	6,376.46	6,277.72	12.57	16.25	-90.97	233.20	-808.78	1,189.17	1,162.37	26.80	44.375
6,500.00	6,469.70	6,497.82	6,398.69	12.65	16.43	-90.73	238.10	-817.24	1,196.09	1,169.01	27.08	44.170
6,600.00	6,569.70	6,619.55	6,520.20	12.74	16.58	-90.55	241.73	-823.50	1,201.20	1,173.86	27.34	43.933
6,700.00	6,669.70	6,741.54	6,642.09	12.82	16.70	-90.44	244.06	-827.54	1,204.49	1,176.91	27.59	43.664
6,800.00	6,769.70	6,863.67	6,764.20	12.90	16.80	-90.39	245.09	-829.32	1,205.95	1,178.16	27.79	43.389
6,900.00	6,869.70	6,970.16	6,870.70	12.99	16.88	-90.39	245.15	-829.42	1,206.03	1,178.08	27.95	43.145
7,000.00	6,969.70	7,070.16	6,970.70	13.07	16.94	-90.39	245.15	-829.42	1,206.03	1,177.93	28.10	42.919
7,100.00	7,069.70	7,170.16	7,070.70	13.15	17.00	-90.39	245.15	-829.42	1,206.03	1,177.78	28.25	42.695
7,200.00	7,169.70	7,270.16	7,170.70	13.24	17.07	-90.39	245.15	-829.42	1,206.03	1,177.63	28.40	42.473
7,300.00	7,269.70	7,370.16	7,270.70	13.32	17.13	-90.39	245.15	-829.42	1,206.03	1,177.48	28.54	42.253
7,400.00	7,369.70	7,470.16	7,370.70	13.40	17.20	-90.39	245.15	-829.42	1,206.03	1,177.34	28.69	42.035
7,500.00	7,469.70	7,570.16	7,470.70	13.48	17.26	-90.39	245.15	-829.42	1,206.03	1,177.19	28.84	41.819
7,600.00	7,569.70	7,670.16	7,570.70	13.57	17.33	-90.39	245.15	-829.42	1,206.03	1,177.04	28.99	41.605
7,700.00	7,669.70	7,770.16	7,670.70	13.65	17.39	-90.39	245.15	-829.42	1,206.03	1,176.89	29.14	41.393
7,800.00	7,769.70	7,870.16	7,770.70	13.73	17.46	-90.39	245.15	-829.42	1,206.03	1,176.74	29.28	41.183
7,900.00	7,869.70	7,970.16	7,870.70	13.82	17.52	-90.39	245.15	-829.42	1,206.03	1,176.59	29.43	40.975
8,000.00	7,969.70	8,070.16	7,970.70	13.90	17.59	-90.39	245.15	-829.42	1,206.03	1,176.45	29.58	40.769
8,100.00	8,069.70	8,170.16	8,070.70	13.98	17.65	-90.39	245.15	-829.42	1,206.03	1,176.30	29.73	40.565
8,200.00	8,169.70	8,270.16	8,170.70	14.07	17.72	-90.39	245.15	-829.42	1,206.03	1,176.15	29.88	40.363
8,300.00	8,269.70	8,370.16	8,270.70	14.15	17.78	-90.39	245.15	-829.42	1,206.03	1,176.00	30.03	40.162
8,400.00	8,369.70	8,470.16	8,370.70	14.23	17.85	-90.39	245.15	-829.42	1,206.03	1,175.85	30.18	39.963
8,500.00	8,469.70	8,570.16	8,470.70	14.31	17.92	-90.39	245.15	-829.42	1,206.03	1,175.70	30.33	39.766
8,600.00	8,569.70	8,670.16	8,570.70	14.40	17.98	-90.39	245.15	-829.42	1,206.03	1,175.55	30.48	39.571
8,700.00	8,669.70	8,770.16	8,670.70	14.48	18.05	-90.39	245.15	-829.42	1,206.03	1,175.40	30.63	39.378
8,800.00	8,769.70	8,870.16	8,770.70	14.56	18.12	-90.39	245.15	-829.42	1,206.03	1,175.25	30.78	39.186
8,900.00	8,869.70	8,970.16	8,870.70	14.65	18.18	-90.39	245.15	-829.42	1,206.03	1,175.10	30.93	38.996
9,000.00	8,969.70	9,070.16	8,970.70	14.73	18.25	-90.39	245.15	-829.42	1,206.03	1,174.95	31.08	38.808
9,100.00	9,069.70	9,170.16	9,070.70	14.81	18.32	-90.39	245.15	-829.42	1,206.03	1,174.80	31.23	38.622
9,200.00	9,169.70	9,270.16	9,170.70	14.90	18.38	-90.39	245.15	-829.42	1,206.03	1,174.65	31.38	38.437
9,300.00	9,269.70	9,370.16	9,270.70	14.98	18.45	-90.39	245.15	-829.42	1,206.03	1,174.50	31.53	38.253
9,400.00	9,369.70	9,470.16	9,370.70	15.06	18.52	-90.39	245.15	-829.42	1,206.03	1,174.35	31.68	38.072
9,500.00	9,469.70	9,570.16	9,470.70	15.14	18.58	-90.39	245.15	-829.42	1,206.03	1,174.20	31.83	37.892
9,600.00	9,569.70	9,670.16	9,570.70	15.23	18.65	-90.39	245.15	-829.42	1,206.03	1,174.05	31.98	37.713
9,700.00	9,669.70	9,770.16	9,670.70	15.31	18.72	-90.39	245.15	-829.42	1,206.03	1,173.90	32.13	37.536
9,800.00	9,769.70	9,870.16	9,770.70	15.39	18.79	-90.39	245.15	-829.42	1,206.03	1,173.75	32.28	37.361

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)													Offset Well Error:	0.50 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)				
19,200.00	11,712.03	19,745.19	12,189.63	104.33	102.22	111.56	-7,518.97	-762.59	1,296.81	1,102.81	194.00	6.685		
19,300.00	11,712.90	19,845.19	12,190.50	105.68	103.57	111.56	-7,618.96	-761.73	1,296.81	1,100.28	196.53	6.599		
19,400.00	11,713.78	19,945.19	12,191.37	107.03	104.91	111.56	-7,718.95	-760.86	1,296.80	1,097.75	199.06	6.515		
19,500.00	11,714.66	20,045.19	12,192.24	108.39	106.26	111.56	-7,818.95	-760.00	1,296.80	1,095.22	201.59	6.433		
19,600.00	11,715.53	20,145.19	12,193.11	109.74	107.60	111.56	-7,918.94	-759.14	1,296.80	1,092.68	204.12	6.353		
19,700.00	11,716.41	20,245.19	12,193.98	111.10	108.95	111.56	-8,018.93	-758.28	1,296.80	1,090.15	206.65	6.275		
19,800.00	11,717.28	20,345.19	12,194.86	112.45	110.30	111.56	-8,118.92	-757.42	1,296.80	1,087.62	209.18	6.199		
19,900.00	11,718.16	20,445.19	12,195.73	113.81	111.64	111.56	-8,218.92	-756.56	1,296.80	1,085.08	211.71	6.125		
20,000.00	11,719.04	20,545.19	12,196.60	115.16	112.99	111.56	-8,318.91	-755.70	1,296.79	1,082.55	214.25	6.053		
20,100.00	11,719.91	20,645.19	12,197.47	116.52	114.34	111.56	-8,418.90	-754.84	1,296.79	1,080.01	216.78	5.982		
20,200.00	11,720.79	20,745.19	12,198.34	117.87	115.69	111.56	-8,518.89	-753.98	1,296.79	1,077.47	219.32	5.913		
20,300.00	11,721.67	20,845.19	12,199.21	119.23	117.04	111.56	-8,618.89	-753.12	1,296.79	1,074.94	221.85	5.845		
20,400.00	11,722.54	20,945.19	12,200.08	120.59	118.39	111.56	-8,718.88	-752.26	1,296.79	1,072.40	224.39	5.779		
20,500.00	11,723.42	21,045.19	12,200.95	121.95	119.74	111.56	-8,818.87	-751.40	1,296.78	1,069.86	226.93	5.715		
20,600.00	11,724.30	21,145.19	12,201.83	123.30	121.09	111.56	-8,918.86	-750.54	1,296.78	1,067.32	229.47	5.651		
20,700.00	11,725.17	21,245.19	12,202.70	124.66	122.44	111.56	-9,018.86	-749.68	1,296.78	1,064.78	232.00	5.589		
20,800.00	11,726.05	21,345.19	12,203.57	126.02	123.79	111.56	-9,118.85	-748.81	1,296.78	1,062.23	234.54	5.529		
20,900.00	11,726.93	21,445.19	12,204.44	127.38	125.14	111.56	-9,218.84	-747.95	1,296.78	1,059.69	237.09	5.470		
21,000.00	11,727.80	21,545.19	12,205.31	128.74	126.50	111.56	-9,318.83	-747.09	1,296.78	1,057.15	239.63	5.412		
21,100.00	11,728.68	21,645.19	12,206.18	130.09	127.85	111.56	-9,418.83	-746.23	1,296.77	1,054.61	242.17	5.355		
21,200.00	11,729.55	21,745.19	12,207.05	131.45	129.20	111.56	-9,518.82	-745.37	1,296.77	1,052.06	244.71	5.299		
21,300.00	11,730.43	21,845.19	12,207.92	132.81	130.55	111.56	-9,618.81	-744.51	1,296.77	1,049.52	247.25	5.245		
21,400.00	11,731.31	21,945.19	12,208.79	134.17	131.91	111.56	-9,718.80	-743.65	1,296.77	1,046.97	249.80	5.191		
21,500.00	11,732.18	22,045.19	12,209.67	135.53	133.26	111.56	-9,818.80	-742.79	1,296.77	1,044.42	252.34	5.139		
21,600.00	11,733.06	22,145.19	12,210.54	136.89	134.62	111.56	-9,918.79	-741.93	1,296.77	1,041.88	254.89	5.088		
21,700.00	11,733.94	22,245.19	12,211.41	138.25	135.97	111.56	-10,018.78	-741.07	1,296.76	1,039.33	257.43	5.037		
21,800.00	11,734.81	22,345.19	12,212.28	139.61	137.33	111.56	-10,118.77	-740.21	1,296.76	1,036.78	259.98	4.988		
21,900.00	11,735.69	22,445.19	12,213.15	140.97	138.68	111.56	-10,218.77	-739.35	1,296.76	1,034.24	262.53	4.940		
21,935.47	11,736.00	22,480.65	12,213.46	141.45	139.16	111.56	-10,254.23	-739.04	1,296.76	1,033.33	263.43	4.923	SF	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft			
Reference		Offset		Semi Major Axis		Offset Wellbore Centre				Distance		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
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	CC		
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	399.99	399.99	399.99	2.41	2.33	125.15	-50.00	0.00	50.74	46.06	4.69	10.829			
500.00	499.91	499.91	499.91	2.79	2.63	128.58	-50.00	0.00	53.10	47.77	5.33	9.970			
600.00	599.69	599.69	599.69	3.12	2.91	133.64	-50.00	0.00	57.41	51.49	5.92	9.697			
633.33	632.91	632.91	632.91	3.15	2.99	135.54	-50.00	0.00	59.35	53.31	6.04	9.823			
700.00	699.32	699.32	699.32	3.26	3.16	139.21	-50.00	0.00	63.64	57.30	6.33	10.050			
800.00	798.94	798.94	798.94	3.51	3.40	143.83	-50.00	0.00	70.47	63.64	6.84	10.309			
900.00	898.56	900.22	900.21	3.75	3.68	147.13	-49.31	1.12	76.63	69.28	7.35	10.427			
1,000.00	998.18	1,001.84	1,001.75	3.98	3.94	148.91	-47.19	4.53	80.76	72.92	7.83	10.308			
1,100.00	1,097.80	1,103.65	1,103.33	4.21	4.19	149.53	-43.64	10.25	82.70	74.40	8.29	9.970			
1,200.00	1,197.42	1,204.20	1,203.50	4.44	4.30	149.38	-39.09	17.60	82.96	74.34	8.63	9.617			
1,300.00	1,297.04	1,304.19	1,303.12	4.66	4.50	149.19	-34.49	25.01	83.13	74.09	9.04	9.194			
1,400.00	1,396.66	1,404.19	1,402.74	4.87	4.69	149.00	-29.90	32.42	83.30	73.85	9.45	8.815			
1,500.00	1,496.28	1,504.19	1,502.36	5.08	4.88	148.81	-25.31	39.82	83.48	73.62	9.85	8.472			
1,600.00	1,595.90	1,604.19	1,601.98	5.29	5.07	148.63	-20.72	47.23	83.65	73.40	10.25	8.160			
1,700.00	1,695.52	1,704.19	1,701.60	5.50	5.27	148.44	-16.12	54.64	83.82	73.18	10.64	7.875			
1,800.00	1,795.14	1,804.19	1,801.22	5.71	5.45	148.25	-11.53	62.05	84.00	72.97	11.03	7.614			
1,900.00	1,894.76	1,904.19	1,900.84	5.91	5.64	148.07	-6.94	69.45	84.18	72.76	11.42	7.372			
2,000.00	1,994.38	2,004.19	2,000.45	6.11	5.83	147.88	-2.34	76.86	84.35	72.55	11.80	7.149			
2,100.00	2,094.00	2,104.19	2,100.07	6.31	6.02	147.70	2.25	84.27	84.53	72.35	12.18	6.941			
2,200.00	2,193.62	2,204.19	2,199.69	6.52	6.21	147.52	6.84	91.67	84.71	72.14	12.57	6.737			
2,206.41	2,200.00	2,210.67	2,206.15	6.53	6.22	147.50	7.14	92.16	84.72	72.12	12.60	6.725			
2,300.00	2,293.13	2,305.42	2,300.45	6.73	6.39	147.41	11.96	99.93	85.13	72.18	12.95	6.574			
2,400.00	2,392.34	2,406.66	2,401.03	6.97	6.59	147.57	18.01	109.69	86.31	72.95	13.36	6.461			
2,500.00	2,491.20	2,507.91	2,501.41	7.20	6.78	147.98	25.00	120.96	88.24	74.46	13.78	6.405			
2,539.71	2,530.34	2,548.11	2,541.20	7.26	6.86	148.20	28.03	125.86	89.21	75.31	13.91	6.414			
2,600.00	2,589.72	2,609.19	2,601.57	7.35	6.98	148.47	32.92	133.75	90.53	76.40	14.12	6.410			
2,700.00	2,688.20	2,710.53	2,701.50	7.56	7.17	148.40	41.79	148.04	91.52	77.00	14.53	6.301			
2,800.00	2,786.68	2,811.86	2,801.11	7.76	7.38	147.70	51.58	163.83	91.05	76.13	14.93	6.101			
2,900.00	2,885.16	2,913.01	2,900.20	7.97	7.58	146.34	62.27	181.08	89.16	73.84	15.33	5.817			
3,000.00	2,983.64	3,012.94	2,997.96	8.18	7.78	144.64	73.21	198.74	86.74	71.01	15.73	5.513			
3,100.00	3,082.12	3,112.88	3,095.71	8.38	7.98	142.85	84.16	216.39	84.40	68.26	16.15	5.227			
3,200.00	3,180.60	3,212.82	3,193.47	8.59	8.18	140.96	95.10	234.04	82.15	65.59	16.57	4.959			
3,300.00	3,279.09	3,312.75	3,291.22	8.80	8.38	138.96	106.04	251.70	79.99	63.01	16.99	4.709			
3,400.00	3,377.57	3,412.69	3,388.98	9.00	8.59	136.86	116.99	269.35	77.94	60.53	17.41	4.477			
3,500.00	3,476.05	3,512.63	3,486.73	9.21	8.80	134.64	127.93	287.00	75.99	58.16	17.84	4.260			
3,600.00	3,574.53	3,612.56	3,584.49	9.42	9.02	132.32	138.87	304.66	74.17	55.90	18.27	4.060			
3,695.67	3,668.75	3,708.18	3,678.01	9.61	9.23	129.99	149.34	321.55	72.54	53.86	18.68	3.883			
3,700.00	3,673.01	3,712.50	3,682.24	9.62	9.24	129.88	149.82	322.31	72.47	53.77	18.70	3.876			
3,800.00	3,771.73	3,812.38	3,779.93	9.84	9.47	126.37	160.75	339.95	70.06	50.93	19.13	3.663			
3,900.00	3,870.82	3,912.09	3,877.47	10.06	9.70	120.74	171.67	357.57	66.54	47.02	19.53	3.408			
4,000.00	3,970.24	4,011.57	3,974.78	10.27	9.94	112.39	182.57	375.14	62.69	42.81	19.88	3.153			
4,100.00	4,069.90	4,110.68	4,071.76	10.47	10.15	101.01	193.32	392.48	59.80	39.64	20.16	2.967			
4,162.82	4,132.60	4,172.86	4,132.76	10.59	10.29	92.94	199.69	402.76	59.21	38.88	20.33	2.913	ES		
4,200.00	4,169.75	4,209.70	4,168.95	10.66	10.38	87.99	203.29	408.58	59.43	39.00	20.44	2.908	SF		
4,300.00	4,269.70	4,308.84	4,266.57	10.84	10.61	74.70	212.40	423.26	62.31	41.58	20.73	3.006			
4,362.30	4,332.00	4,370.67	4,327.60	10.89	10.74	122.96	217.62	431.68	65.82	44.92	20.91	3.148			
4,400.00	4,369.70	4,408.13	4,364.63	10.91	10.82	118.64	220.62	436.52	68.48	47.47	21.01	3.259			
4,500.00	4,469.70	4,507.86	4,463.38	10.99	11.02	109.46	227.97	448.38	76.42	55.08	21.34	3.581			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)													Offset Well Error:	0.50 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre						Rule Assigned: Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,600.00	4,569.70	4,608.06	4,562.82	11.07	11.21	102.94	234.45	458.83	84.68	63.02	21.66	3.909		
4,700.00	4,669.70	4,708.65	4,662.85	11.16	11.39	98.31	240.03	467.83	92.47	70.51	21.96	4.211		
4,800.00	4,769.70	4,809.59	4,763.40	11.24	11.56	95.01	244.70	475.36	99.36	77.12	22.25	4.467		
4,900.00	4,869.70	4,910.82	4,864.38	11.32	11.71	92.68	248.44	481.40	105.07	82.56	22.51	4.668		
5,000.00	4,969.70	5,012.26	4,965.68	11.41	11.85	91.10	251.25	485.93	109.44	86.69	22.76	4.810		
5,100.00	5,069.70	5,113.86	5,067.22	11.49	11.98	90.12	253.11	488.94	112.39	89.40	22.98	4.890		
5,200.00	5,169.70	5,215.56	5,168.90	11.57	12.10	89.66	254.03	490.42	113.84	90.66	23.18	4.911		
5,300.00	5,269.70	5,316.36	5,269.70	11.66	12.16	89.61	254.13	490.58	114.00	90.69	23.31	4.890		
5,400.00	5,369.70	5,416.36	5,369.70	11.74	12.24	89.61	254.13	490.58	114.00	90.53	23.47	4.857		
5,500.00	5,469.70	5,516.36	5,469.70	11.82	12.32	89.61	254.13	490.58	114.00	90.37	23.63	4.824		
5,600.00	5,569.70	5,616.36	5,569.70	11.91	12.40	89.61	254.13	490.58	114.00	90.21	23.79	4.791		
5,700.00	5,669.70	5,716.36	5,669.70	11.99	12.48	89.61	254.13	490.58	114.00	90.05	23.95	4.759		
5,800.00	5,769.70	5,816.36	5,769.70	12.07	12.56	89.61	254.13	490.58	114.00	89.89	24.11	4.728		
5,900.00	5,869.70	5,916.36	5,869.70	12.16	12.64	89.61	254.13	490.58	114.00	89.73	24.27	4.697		
6,000.00	5,969.70	6,016.36	5,969.70	12.24	12.72	89.61	254.13	490.58	114.00	89.57	24.43	4.666		
6,100.00	6,069.70	6,116.36	6,069.70	12.32	12.81	89.61	254.13	490.58	114.00	89.41	24.59	4.635		
6,200.00	6,169.70	6,216.36	6,169.70	12.40	12.89	89.61	254.13	490.58	114.00	89.25	24.75	4.605		
6,300.00	6,269.70	6,316.36	6,269.70	12.49	12.97	89.61	254.13	490.58	114.00	89.09	24.92	4.576		
6,400.00	6,369.70	6,416.36	6,369.70	12.57	13.05	89.61	254.13	490.58	114.00	88.93	25.08	4.546		
6,500.00	6,469.70	6,516.36	6,469.70	12.65	13.13	89.61	254.13	490.58	114.00	88.77	25.24	4.517		
6,600.00	6,569.70	6,616.36	6,569.70	12.74	13.21	89.61	254.13	490.58	114.00	88.61	25.40	4.489		
6,700.00	6,669.70	6,716.36	6,669.70	12.82	13.29	89.61	254.13	490.58	114.00	88.45	25.56	4.461		
6,800.00	6,769.70	6,816.36	6,769.70	12.90	13.37	89.61	254.13	490.58	114.00	88.29	25.72	4.433		
6,900.00	6,869.70	6,916.36	6,869.70	12.99	13.45	89.61	254.13	490.58	114.00	88.12	25.88	4.405		
7,000.00	6,969.70	7,016.36	6,969.70	13.07	13.53	89.61	254.13	490.58	114.00	87.96	26.04	4.378		
7,100.00	7,069.70	7,116.36	7,069.70	13.15	13.61	89.61	254.13	490.58	114.00	87.80	26.20	4.351		
7,200.00	7,169.70	7,216.36	7,169.70	13.24	13.70	89.61	254.13	490.58	114.00	87.64	26.36	4.325		
7,300.00	7,269.70	7,316.36	7,269.70	13.32	13.78	89.61	254.13	490.58	114.00	87.48	26.52	4.299		
7,400.00	7,369.70	7,416.36	7,369.70	13.40	13.86	89.61	254.13	490.58	114.00	87.32	26.68	4.273		
7,500.00	7,469.70	7,516.36	7,469.70	13.48	13.94	89.61	254.13	490.58	114.00	87.16	26.84	4.247		
7,600.00	7,569.70	7,616.36	7,569.70	13.57	14.02	89.61	254.13	490.58	114.00	87.00	27.00	4.222		
7,700.00	7,669.70	7,716.36	7,669.70	13.65	14.10	89.61	254.13	490.58	114.00	86.84	27.16	4.197		
7,800.00	7,769.70	7,816.36	7,769.70	13.73	14.18	89.61	254.13	490.58	114.00	86.68	27.32	4.172		
7,900.00	7,869.70	7,916.36	7,869.70	13.82	14.26	89.61	254.13	490.58	114.00	86.52	27.49	4.148		
8,000.00	7,969.70	8,016.36	7,969.70	13.90	14.34	89.61	254.13	490.58	114.00	86.36	27.65	4.124		
8,100.00	8,069.70	8,116.36	8,069.70	13.98	14.42	89.61	254.13	490.58	114.00	86.19	27.81	4.100		
8,200.00	8,169.70	8,216.36	8,169.70	14.07	14.51	89.61	254.13	490.58	114.00	86.03	27.97	4.076		
8,300.00	8,269.70	8,316.36	8,269.70	14.15	14.59	89.61	254.13	490.58	114.00	85.87	28.13	4.053		
8,400.00	8,369.70	8,416.36	8,369.70	14.23	14.67	89.61	254.13	490.58	114.00	85.71	28.29	4.030		
8,500.00	8,469.70	8,516.36	8,469.70	14.31	14.75	89.61	254.13	490.58	114.00	85.55	28.45	4.007		
8,600.00	8,569.70	8,616.36	8,569.70	14.40	14.83	89.61	254.13	490.58	114.00	85.39	28.61	3.984		
8,700.00	8,669.70	8,716.36	8,669.70	14.48	14.91	89.61	254.13	490.58	114.00	85.23	28.77	3.962		
8,800.00	8,769.70	8,816.36	8,769.70	14.56	14.99	89.61	254.13	490.58	114.00	85.07	28.93	3.940		
8,900.00	8,869.70	8,916.36	8,869.70	14.65	15.07	89.61	254.13	490.58	114.00	84.91	29.10	3.918		
9,000.00	8,969.70	9,016.36	8,969.70	14.73	15.15	89.61	254.13	490.58	114.00	84.75	29.26	3.897		
9,100.00	9,069.70	9,116.36	9,069.70	14.81	15.24	89.61	254.13	490.58	114.00	84.58	29.42	3.875		
9,200.00	9,169.70	9,216.36	9,169.70	14.90	15.32	89.61	254.13	490.58	114.00	84.42	29.58	3.854		
9,300.00	9,269.70	9,316.36	9,269.70	14.98	15.40	89.61	254.13	490.58	114.00	84.26	29.74	3.833		
9,400.00	9,369.70	9,416.36	9,369.70	15.06	15.48	89.61	254.13	490.58	114.00	84.10	29.90	3.813		
9,500.00	9,469.70	9,516.36	9,469.70	15.14	15.56	89.61	254.13	490.58	114.00	83.94	30.06	3.792		
9,600.00	9,569.70	9,616.36	9,569.70	15.23	15.64	89.61	254.13	490.58	114.00	83.78	30.22	3.772		
9,700.00	9,669.70	9,716.36	9,669.70	15.31	15.72	89.61	254.13	490.58	114.00	83.62	30.39	3.752		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning		
							+N/-S (usft)	+E/-W (usft)							
9,800.00	9,769.70	9,816.36	9,769.70	15.39	15.80	89.61	254.13	490.58	114.00	83.46	30.55	3.732			
9,900.00	9,869.70	9,916.36	9,869.70	15.48	15.88	89.61	254.13	490.58	114.00	83.29	30.71	3.712			
10,000.00	9,969.70	10,016.36	9,969.70	15.56	15.97	89.61	254.13	490.58	114.00	83.13	30.87	3.693			
10,100.00	10,069.70	10,116.36	10,069.70	15.64	16.05	89.61	254.13	490.58	114.00	82.97	31.03	3.674			
10,200.00	10,169.70	10,216.36	10,169.70	15.72	16.13	89.61	254.13	490.58	114.00	82.81	31.19	3.655			
10,300.00	10,269.70	10,316.36	10,269.70	15.81	16.21	89.61	254.13	490.58	114.00	82.65	31.35	3.636			
10,400.00	10,369.70	10,416.36	10,369.70	15.89	16.29	89.61	254.13	490.58	114.00	82.49	31.52	3.617			
10,500.00	10,469.70	10,516.36	10,469.70	15.97	16.37	89.61	254.13	490.58	114.00	82.33	31.68	3.599			
10,600.00	10,569.70	10,616.36	10,569.70	16.06	16.45	89.61	254.13	490.58	114.00	82.16	31.84	3.581			
10,700.00	10,669.70	10,716.36	10,669.70	16.14	16.53	89.61	254.13	490.58	114.00	82.00	32.00	3.563			
10,800.00	10,769.70	10,816.36	10,769.70	16.22	16.61	89.61	254.13	490.58	114.00	81.84	32.16	3.545			
10,900.00	10,869.70	10,916.36	10,869.70	16.30	16.70	89.61	254.13	490.58	114.00	81.68	32.32	3.527			
11,000.00	10,969.70	11,016.36	10,969.70	16.39	16.78	89.61	254.13	490.58	114.00	81.52	32.48	3.509			
11,100.00	11,069.70	11,116.36	11,069.70	16.47	16.86	89.61	254.13	490.58	114.00	81.35	32.65	3.492			
11,106.30	11,076.00	11,122.66	11,076.00	16.48	16.86	89.61	254.13	490.58	114.00	81.34	32.66	3.491			
11,121.50	11,091.20	11,137.86	11,091.20	16.49	16.88	-90.00	254.13	490.58	114.00	81.33	32.67	3.489			
11,150.00	11,119.65	11,166.32	11,119.65	16.50	16.90	-90.73	254.13	490.58	114.01	81.31	32.70	3.486			
11,200.00	11,169.28	11,215.94	11,169.28	16.52	16.94	-93.69	254.13	490.58	114.25	81.50	32.75	3.489			
11,250.00	11,218.19	11,264.86	11,218.19	16.54	16.98	-98.56	254.13	490.58	115.37	82.57	32.81	3.517			
11,300.00	11,266.03	11,312.69	11,266.03	16.57	17.02	-104.93	254.13	490.58	118.47	85.57	32.90	3.601			
11,350.00	11,312.42	11,359.08	11,312.42	16.60	17.06	-112.11	254.13	490.58	124.83	91.79	33.04	3.778			
11,400.00	11,357.00	11,403.66	11,357.00	16.63	17.09	-119.31	254.13	490.58	135.61	102.39	33.22	4.082			
11,450.00	11,399.45	11,446.11	11,399.45	16.67	17.13	-125.86	254.13	490.58	151.53	118.11	33.42	4.534			
11,500.00	11,439.44	11,486.10	11,439.44	16.71	17.16	-131.36	254.13	490.58	172.77	139.15	33.62	5.139			
11,550.00	11,476.66	11,523.32	11,476.66	16.75	17.19	-135.66	254.13	490.58	199.06	165.27	33.79	5.891			
11,600.00	11,510.83	11,557.49	11,510.83	16.80	17.22	-138.75	254.13	490.58	229.91	195.98	33.94	6.775			
11,650.00	11,541.70	11,588.36	11,541.70	16.85	17.24	-140.69	254.13	490.58	264.78	230.72	34.05	7.776			
11,700.00	11,569.01	11,631.04	11,569.01	16.91	17.29	-143.82	253.27	490.59	302.69	268.53	34.16	8.862			
11,750.00	11,592.58	11,690.33	11,643.29	16.99	17.34	-148.10	246.97	490.64	341.38	306.90	34.48	9.901			
11,800.00	11,612.22	11,738.96	11,690.84	17.07	17.37	-150.09	236.92	490.73	379.81	344.98	34.83	10.904			
11,850.00	11,627.77	11,857.80	11,802.49	17.17	17.44	-156.77	196.96	491.07	417.13	380.11	37.02	11.268			
11,900.00	11,639.12	11,990.87	11,914.51	17.28	17.52	-161.11	125.69	491.69	451.10	410.77	40.33	11.185			
11,950.00	11,646.19	12,187.78	12,043.15	17.41	17.71	-164.77	-22.11	492.96	477.82	432.18	45.63	10.471			
12,000.00	11,648.92	12,431.02	12,121.34	17.55	18.15	-166.45	-250.39	494.92	489.91	439.87	50.03	9.792			
12,001.28	11,648.94	12,432.29	12,121.51	17.56	18.16	-166.45	-251.66	494.94	490.06	440.02	50.04	9.794			
12,100.00	11,649.80	12,589.00	12,126.76	17.91	18.65	-166.56	-408.14	496.28	490.41	439.75	50.66	9.681			
12,200.00	11,650.68	12,689.00	12,127.63	18.35	19.05	-166.56	-508.13	497.14	490.41	439.62	50.79	9.656			
12,300.00	11,651.55	12,789.00	12,128.50	18.88	19.53	-166.56	-608.12	498.00	490.40	439.45	50.95	9.626			
12,400.00	11,652.43	12,889.00	12,129.37	19.49	20.09	-166.56	-708.12	498.87	490.40	439.27	51.13	9.592			
12,500.00	11,653.31	12,989.00	12,130.24	20.18	20.72	-166.56	-808.11	499.73	490.39	439.06	51.33	9.554			
12,600.00	11,654.18	13,089.00	12,131.12	20.94	21.42	-166.56	-908.10	500.59	490.39	438.83	51.55	9.512			
12,700.00	11,655.06	13,189.00	12,131.99	21.77	22.19	-166.56	-1,008.09	501.45	490.38	438.58	51.80	9.467			
12,800.00	11,655.94	13,289.00	12,132.86	22.65	23.01	-166.56	-1,108.09	502.31	490.38	438.31	52.07	9.418			
12,900.00	11,656.81	13,389.00	12,133.73	23.58	23.89	-166.56	-1,208.08	503.17	490.37	438.02	52.35	9.366			
13,000.00	11,657.69	13,489.00	12,134.60	24.56	24.81	-166.56	-1,308.07	504.03	490.37	437.70	52.66	9.311			
13,100.00	11,658.57	13,589.00	12,135.47	25.57	25.78	-166.56	-1,408.06	504.89	490.36	437.37	52.99	9.253			
13,200.00	11,659.44	13,689.00	12,136.34	26.62	26.78	-166.56	-1,508.06	505.75	490.36	437.01	53.34	9.192			
13,300.00	11,660.32	13,789.00	12,137.22	27.69	27.82	-166.56	-1,608.05	506.61	490.35	436.64	53.72	9.129			
13,400.00	11,661.19	13,889.00	12,138.09	28.80	28.88	-166.56	-1,708.04	507.48	490.35	436.24	54.10	9.063			
13,500.00	11,662.07	13,989.00	12,138.96	29.92	29.97	-166.56	-1,808.03	508.34	490.34	435.83	54.51	8.995			
13,600.00	11,662.95	14,089.00	12,139.83	31.07	31.09	-166.56	-1,908.03	509.20	490.34	435.40	54.94	8.925			
13,700.00	11,663.82	14,189.00	12,140.70	32.23	32.22	-166.56	-2,008.02	510.06	490.33	434.95	55.39	8.853			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor		Warning	
							+N/-S (usft)	+E/-W (usft)							
13,800.00	11,664.70	14,289.00	12,141.57	33.41	33.37	-166.56	-2,108.01	510.92	490.33	434.48	55.85	8.780			
13,900.00	11,665.58	14,389.00	12,142.44	34.61	34.54	-166.56	-2,208.00	511.78	490.32	433.99	56.33	8.705			
14,000.00	11,666.45	14,489.00	12,143.31	35.81	35.72	-166.56	-2,308.00	512.64	490.32	433.49	56.83	8.628			
14,100.00	11,667.33	14,589.00	12,144.19	37.03	36.92	-166.56	-2,407.99	513.50	490.31	432.97	57.34	8.551			
14,200.00	11,668.21	14,689.00	12,145.06	38.26	38.13	-166.55	-2,507.98	514.36	490.31	432.44	57.87	8.473			
14,300.00	11,669.08	14,789.00	12,145.93	39.50	39.35	-166.55	-2,607.97	515.22	490.30	431.89	58.41	8.394			
14,400.00	11,669.96	14,889.00	12,146.80	40.75	40.58	-166.55	-2,707.97	516.09	490.30	431.32	58.97	8.314			
14,500.00	11,670.84	14,989.00	12,147.67	42.00	41.81	-166.55	-2,807.96	516.95	490.29	430.75	59.55	8.234			
14,600.00	11,671.71	15,089.00	12,148.54	43.27	43.06	-166.55	-2,907.95	517.81	490.29	430.15	60.14	8.153			
14,700.00	11,672.59	15,189.00	12,149.41	44.53	44.31	-166.55	-3,007.94	518.67	490.28	429.54	60.74	8.072			
14,800.00	11,673.46	15,289.00	12,150.29	45.81	45.57	-166.55	-3,107.94	519.53	490.28	428.92	61.36	7.991			
14,900.00	11,674.34	15,389.00	12,151.16	47.09	46.84	-166.55	-3,207.93	520.39	490.27	428.29	61.98	7.910			
15,000.00	11,675.22	15,489.00	12,152.03	48.37	48.11	-166.55	-3,307.92	521.25	490.27	427.64	62.63	7.829			
15,100.00	11,676.09	15,589.00	12,152.90	49.66	49.39	-166.55	-3,407.91	522.11	490.26	426.98	63.28	7.748			
15,200.00	11,676.97	15,689.00	12,153.77	50.96	50.67	-166.55	-3,507.91	522.97	490.26	426.31	63.95	7.667			
15,300.00	11,677.85	15,789.00	12,154.64	52.26	51.96	-166.55	-3,607.90	523.83	490.25	425.63	64.62	7.586			
15,400.00	11,678.72	15,889.00	12,155.51	53.56	53.25	-166.55	-3,707.89	524.69	490.25	424.94	65.31	7.506			
15,500.00	11,679.60	15,989.00	12,156.39	54.86	54.55	-166.55	-3,807.88	525.56	490.24	424.23	66.01	7.427			
15,600.00	11,680.48	16,089.00	12,157.26	56.17	55.85	-166.55	-3,907.88	526.42	490.24	423.52	66.72	7.348			
15,700.00	11,681.35	16,189.00	12,158.13	57.48	57.15	-166.55	-4,007.87	527.28	490.23	422.80	67.44	7.269			
15,800.00	11,682.23	16,289.00	12,159.00	58.79	58.46	-166.55	-4,107.86	528.14	490.23	422.06	68.17	7.192			
15,900.00	11,683.10	16,389.00	12,159.87	60.11	59.76	-166.55	-4,207.85	529.00	490.22	421.32	68.91	7.114			
16,000.00	11,683.98	16,489.00	12,160.74	61.43	61.07	-166.55	-4,307.85	529.86	490.22	420.57	69.65	7.038			
16,100.00	11,684.86	16,589.00	12,161.61	62.75	62.39	-166.55	-4,407.84	530.72	490.22	419.80	70.41	6.962			
16,200.00	11,685.73	16,689.00	12,162.49	64.07	63.70	-166.55	-4,507.83	531.58	490.21	419.03	71.18	6.887			
16,300.00	11,686.61	16,789.00	12,163.36	65.40	65.02	-166.55	-4,607.82	532.44	490.21	418.25	71.95	6.813			
16,400.00	11,687.49	16,889.00	12,164.23	66.72	66.34	-166.55	-4,707.82	533.30	490.20	417.47	72.73	6.740			
16,500.00	11,688.36	16,989.00	12,165.10	68.05	67.67	-166.55	-4,807.81	534.17	490.20	416.67	73.52	6.667			
16,600.00	11,689.24	17,089.00	12,165.97	69.38	68.99	-166.55	-4,907.80	535.03	490.19	415.87	74.32	6.596			
16,700.00	11,690.12	17,189.00	12,166.84	70.71	70.32	-166.55	-5,007.79	535.89	490.19	415.06	75.12	6.525			
16,800.00	11,690.99	17,289.00	12,167.71	72.05	71.64	-166.55	-5,107.79	536.75	490.18	414.25	75.94	6.455			
16,900.00	11,691.87	17,389.00	12,168.59	73.38	72.97	-166.55	-5,207.78	537.61	490.18	413.42	76.75	6.386			
17,000.00	11,692.75	17,489.00	12,169.46	74.72	74.30	-166.55	-5,307.77	538.47	490.17	412.59	77.58	6.318			
17,100.00	11,693.62	17,589.00	12,170.33	76.05	75.64	-166.55	-5,407.76	539.33	490.17	411.76	78.41	6.251			
17,200.00	11,694.50	17,689.00	12,171.20	77.39	76.97	-166.55	-5,507.76	540.19	490.16	410.91	79.25	6.185			
17,300.00	11,695.37	17,789.00	12,172.07	78.73	78.30	-166.55	-5,607.75	541.05	490.16	410.06	80.09	6.120			
17,400.00	11,696.25	17,889.00	12,172.94	80.07	79.64	-166.55	-5,707.74	541.91	490.15	409.21	80.94	6.056			
17,500.00	11,697.13	17,989.00	12,173.81	81.41	80.98	-166.55	-5,807.73	542.78	490.15	408.35	81.80	5.992			
17,600.00	11,698.00	18,089.00	12,174.69	82.75	82.32	-166.55	-5,907.73	543.64	490.14	407.48	82.66	5.930			
17,700.00	11,698.88	18,189.00	12,175.56	84.10	83.65	-166.55	-6,007.72	544.50	490.14	406.61	83.53	5.868			
17,800.00	11,699.76	18,289.00	12,176.43	85.44	84.99	-166.55	-6,107.71	545.36	490.13	405.74	84.40	5.807			
17,900.00	11,700.63	18,389.00	12,177.30	86.79	86.34	-166.55	-6,207.70	546.22	490.13	404.85	85.27	5.748			
18,000.00	11,701.51	18,489.00	12,178.17	88.13	87.68	-166.55	-6,307.70	547.08	490.12	403.97	86.15	5.689			
18,100.00	11,702.39	18,589.00	12,179.04	89.48	89.02	-166.55	-6,407.69	547.94	490.12	403.08	87.04	5.631			
18,200.00	11,703.26	18,689.00	12,179.91	90.83	90.36	-166.55	-6,507.68	548.80	490.11	402.18	87.93	5.574			
18,300.00	11,704.14	18,789.00	12,180.78	92.17	91.71	-166.55	-6,607.67	549.66	490.11	401.28	88.83	5.518			
18,400.00	11,705.02	18,889.00	12,181.66	93.52	93.05	-166.55	-6,707.67	550.52	490.10	400.38	89.72	5.462			
18,500.00	11,705.89	18,989.00	12,182.53	94.87	94.40	-166.55	-6,807.66	551.39	490.10	399.47	90.63	5.408			
18,600.00	11,706.77	19,089.00	12,183.40	96.22	95.75	-166.55	-6,907.65	552.25	490.09	398.56	91.54	5.354			
18,700.00	11,707.64	19,189.00	12,184.27	97.57	97.09	-166.55	-7,007.64	553.11	490.09	397.64	92.45	5.301			
18,800.00	11,708.52	19,289.00	12,185.14	98.92	98.44	-166.55	-7,107.64	553.97	490.08	396.72	93.36	5.249			
18,900.00	11,709.40	19,389.00	12,186.01	100.27	99.79	-166.55	-7,207.63	554.83	490.08	395.80	94.28	5.198			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,000.00	11,710.27	19,489.00	12,186.88	101.62	101.14	-166.55	-7,307.62	555.69	490.07	394.87	95.20	5.148			
19,100.00	11,711.15	19,589.00	12,187.76	102.97	102.49	-166.55	-7,407.61	556.55	490.07	393.94	96.13	5.098			
19,200.00	11,712.03	19,689.00	12,188.63	104.33	103.84	-166.55	-7,507.61	557.41	490.06	393.01	97.06	5.049			
19,300.00	11,712.90	19,789.00	12,189.50	105.68	105.19	-166.55	-7,607.60	558.27	490.06	392.07	97.99	5.001			
19,400.00	11,713.78	19,889.00	12,190.37	107.03	106.54	-166.55	-7,707.59	559.13	490.05	391.13	98.93	4.954			
19,500.00	11,714.66	19,989.00	12,191.24	108.39	107.89	-166.55	-7,807.58	560.00	490.05	390.18	99.87	4.907			
19,600.00	11,715.53	20,089.00	12,192.11	109.74	109.25	-166.55	-7,907.58	560.86	490.04	389.24	100.81	4.861			
19,700.00	11,716.41	20,189.00	12,192.98	111.10	110.60	-166.55	-8,007.57	561.72	490.04	388.29	101.75	4.816			
19,800.00	11,717.28	20,289.00	12,193.86	112.45	111.95	-166.55	-8,107.56	562.58	490.03	387.34	102.70	4.772			
19,900.00	11,718.16	20,389.00	12,194.73	113.81	113.30	-166.55	-8,207.55	563.44	490.03	386.38	103.65	4.728			
20,000.00	11,719.04	20,489.00	12,195.60	115.16	114.66	-166.55	-8,307.55	564.30	490.03	385.42	104.60	4.685			
20,100.00	11,719.91	20,589.00	12,196.47	116.52	116.01	-166.55	-8,407.54	565.16	490.02	384.46	105.56	4.642			
20,200.00	11,720.79	20,689.00	12,197.34	117.87	117.37	-166.55	-8,507.53	566.02	490.02	383.50	106.52	4.600			
20,300.00	11,721.67	20,789.00	12,198.21	119.23	118.72	-166.55	-8,607.52	566.88	490.01	382.53	107.48	4.559			
20,400.00	11,722.54	20,889.00	12,199.08	120.59	120.08	-166.55	-8,707.52	567.74	490.01	381.56	108.44	4.519			
20,500.00	11,723.42	20,989.00	12,199.96	121.95	121.43	-166.55	-8,807.51	568.61	490.00	380.59	109.41	4.479			
20,600.00	11,724.30	21,089.00	12,200.83	123.30	122.79	-166.55	-8,907.50	569.47	490.00	379.62	110.38	4.439			
20,700.00	11,725.17	21,189.00	12,201.70	124.66	124.14	-166.55	-9,007.49	570.33	489.99	378.65	111.35	4.401			
20,800.00	11,726.05	21,289.00	12,202.57	126.02	125.50	-166.55	-9,107.49	571.19	489.99	377.67	112.32	4.362			
20,900.00	11,726.93	21,389.00	12,203.44	127.38	126.86	-166.55	-9,207.48	572.05	489.98	376.69	113.29	4.325			
21,000.00	11,727.80	21,489.00	12,204.31	128.74	128.21	-166.55	-9,307.47	572.91	489.98	375.71	114.27	4.288			
21,100.00	11,728.68	21,589.00	12,205.18	130.09	129.57	-166.55	-9,407.46	573.77	489.97	374.72	115.25	4.251			
21,200.00	11,729.55	21,689.00	12,206.06	131.45	130.93	-166.55	-9,507.46	574.63	489.97	373.74	116.23	4.216			
21,300.00	11,730.43	21,789.00	12,206.93	132.81	132.29	-166.55	-9,607.45	575.49	489.96	372.75	117.21	4.180			
21,400.00	11,731.31	21,889.00	12,207.80	134.17	133.65	-166.54	-9,707.44	576.35	489.96	371.76	118.20	4.145			
21,500.00	11,732.18	21,989.00	12,208.67	135.53	135.00	-166.54	-9,807.43	577.22	489.95	370.77	119.18	4.111			
21,600.00	11,733.06	22,089.00	12,209.54	136.89	136.36	-166.54	-9,907.43	578.08	489.95	369.78	120.17	4.077			
21,700.00	11,733.94	22,189.00	12,210.41	138.25	137.72	-166.54	-10,007.42	578.94	489.94	368.78	121.16	4.044			
21,800.00	11,734.81	22,289.00	12,211.28	139.61	139.08	-166.54	-10,107.41	579.80	489.94	367.79	122.15	4.011			
21,900.00	11,735.69	22,389.00	12,212.16	140.97	140.44	-166.54	-10,207.40	580.66	489.93	366.79	123.14	3.979			
21,935.47	11,736.00	22,424.47	12,212.46	141.45	140.92	-166.54	-10,242.87	580.96	489.93	366.44	123.49	3.967			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
700.00	699.32	704.82	704.82	3.26	3.18	13.63	856.00	2,294.00	2,428.72	2,422.30	6.42	378.120	
800.00	798.94	910.38	910.27	3.51	3.73	13.81	851.21	2,290.74	2,417.97	2,410.79	7.18	336.756	
900.00	898.56	1,072.27	1,071.70	3.75	4.02	14.06	841.17	2,283.92	2,403.25	2,395.57	7.68	313.120	
1,000.00	998.18	1,170.80	1,169.86	3.98	4.18	14.24	834.07	2,279.09	2,387.77	2,379.69	8.07	295.805	
1,100.00	1,097.80	1,287.59	1,286.18	4.21	4.32	14.45	825.51	2,273.27	2,372.24	2,363.81	8.43	281.459	
1,200.00	1,197.42	1,483.21	1,480.32	4.44	4.77	14.90	805.76	2,259.85	2,354.01	2,344.97	9.04	260.352	
1,300.00	1,297.04	1,597.46	1,593.19	4.66	4.95	15.23	791.11	2,249.89	2,333.18	2,323.75	9.43	247.501	
1,400.00	1,396.66	1,694.59	1,689.13	4.87	5.14	15.52	778.55	2,241.35	2,312.34	2,302.51	9.83	235.236	
1,500.00	1,496.28	1,791.72	1,785.06	5.08	5.32	15.81	765.99	2,232.81	2,291.56	2,281.33	10.23	223.965	
1,600.00	1,595.90	1,888.85	1,880.99	5.29	5.51	16.11	753.43	2,224.28	2,270.83	2,260.20	10.63	213.586	
1,700.00	1,695.52	1,985.98	1,976.93	5.50	5.70	16.41	740.87	2,215.74	2,250.17	2,239.14	11.03	203.994	
1,800.00	1,795.14	2,083.11	2,072.86	5.71	5.89	16.72	728.31	2,207.20	2,229.57	2,218.14	11.43	195.100	
1,900.00	1,894.76	2,180.24	2,168.80	5.91	6.08	17.03	715.75	2,198.66	2,209.03	2,197.21	11.82	186.827	
2,000.00	1,994.38	2,277.37	2,264.73	6.11	6.27	17.35	703.19	2,190.12	2,188.56	2,176.35	12.22	179.112	
2,100.00	2,094.00	2,374.50	2,360.67	6.31	6.46	17.68	690.63	2,181.59	2,168.16	2,155.55	12.61	171.899	
2,200.00	2,193.62	2,471.63	2,456.60	6.52	6.65	18.01	678.06	2,173.05	2,147.83	2,134.81	13.02	165.002	
2,206.41	2,200.00	2,477.85	2,462.75	6.53	6.66	18.03	677.26	2,172.50	2,146.53	2,133.48	13.04	164.575	
2,300.00	2,293.13	2,568.48	2,552.26	6.73	6.84	18.46	665.54	2,164.53	2,126.50	2,113.08	13.42	158.416	
2,400.00	2,392.34	2,664.67	2,647.27	6.97	7.03	18.95	653.10	2,156.08	2,102.85	2,089.00	13.85	151.869	
2,500.00	2,491.20	2,760.13	2,741.56	7.20	7.22	19.50	640.75	2,147.69	2,076.88	2,062.62	14.27	145.555	
2,539.71	2,530.34	2,797.82	2,778.78	7.26	7.30	19.73	635.88	2,144.37	2,065.95	2,051.54	14.40	143.429	
2,600.00	2,589.72	2,854.95	2,835.20	7.35	7.41	19.99	628.49	2,139.35	2,049.09	2,034.47	14.62	140.198	
2,700.00	2,688.20	2,949.70	2,928.79	7.56	7.61	20.45	616.24	2,131.02	2,021.22	2,006.21	15.01	134.626	
2,800.00	2,786.68	3,044.44	3,022.37	7.76	7.82	20.91	603.99	2,122.69	1,993.48	1,978.07	15.41	129.357	
2,900.00	2,885.16	3,139.19	3,115.96	7.97	8.03	21.39	591.73	2,114.37	1,965.86	1,950.05	15.81	124.350	
3,000.00	2,983.64	3,233.94	3,209.54	8.18	8.24	21.88	579.48	2,106.04	1,938.38	1,922.18	16.21	119.589	
3,100.00	3,082.12	3,328.69	3,303.12	8.38	8.45	22.39	567.22	2,097.71	1,911.04	1,894.43	16.61	115.058	
3,200.00	3,180.60	3,423.44	3,396.71	8.59	8.66	22.91	554.97	2,089.38	1,883.85	1,866.84	17.01	110.743	
3,300.00	3,279.09	3,518.19	3,490.29	8.80	8.88	23.44	542.72	2,081.05	1,856.81	1,839.39	17.41	106.629	
3,400.00	3,377.57	3,612.94	3,583.88	9.00	9.09	23.99	530.46	2,072.72	1,829.93	1,812.11	17.82	102.704	
3,500.00	3,476.05	3,707.69	3,677.46	9.21	9.30	24.56	518.21	2,064.39	1,803.21	1,784.99	18.22	98.956	
3,600.00	3,574.53	3,802.44	3,771.04	9.42	9.52	25.14	505.96	2,056.06	1,776.67	1,758.04	18.63	95.375	
3,695.67	3,668.75	3,893.09	3,860.58	9.61	9.72	25.71	494.23	2,048.09	1,751.44	1,732.43	19.01	92.116	
3,700.00	3,673.01	3,897.19	3,864.63	9.62	9.73	25.73	493.70	2,047.73	1,750.31	1,731.28	19.03	91.986	
3,800.00	3,771.73	3,992.38	3,958.64	9.84	9.94	26.16	481.39	2,039.37	1,725.37	1,705.92	19.45	88.714	
3,900.00	3,870.82	4,088.32	4,053.40	10.06	10.16	26.58	468.99	2,030.93	1,702.89	1,683.03	19.86	85.728	
4,000.00	3,970.24	4,184.94	4,148.84	10.27	10.38	26.99	456.49	2,022.44	1,682.86	1,662.59	20.27	83.010	
4,100.00	4,069.90	4,282.20	4,244.90	10.47	10.60	27.39	443.91	2,013.89	1,665.27	1,644.60	20.67	80.546	
4,200.00	4,169.75	4,380.00	4,341.50	10.66	10.82	27.78	431.27	2,005.29	1,650.11	1,629.04	21.07	78.328	
4,300.00	4,269.70	4,478.30	4,438.59	10.84	11.04	28.15	418.55	1,996.65	1,637.35	1,615.90	21.44	76.353	
4,362.30	4,332.00	4,539.76	4,499.30	10.89	11.18	28.44	410.60	1,991.25	1,630.61	1,608.98	21.63	75.395	
4,400.00	4,369.70	4,577.00	4,536.07	10.91	11.27	28.60	405.79	1,987.98	1,626.81	1,605.09	21.72	74.893	
4,500.00	4,469.70	4,675.76	4,633.62	10.99	11.49	28.50	393.02	1,979.29	1,616.82	1,594.79	22.02	73.418	
4,600.00	4,569.70	4,774.53	4,731.18	11.07	11.72	28.45	380.24	1,970.61	1,606.91	1,584.59	22.32	71.986	
4,700.00	4,669.70	4,873.30	4,828.73	11.16	11.94	28.58	367.47	1,961.93	1,597.09	1,574.47	22.62	70.594	
4,800.00	4,769.70	4,972.07	4,926.29	11.24	12.16	28.32	354.70	1,953.25	1,587.37	1,564.44	22.93	69.242	
4,900.00	4,869.70	5,070.84	5,023.84	11.32	12.39	28.77	341.92	1,944.56	1,577.74	1,554.51	23.23	67.927	
5,000.00	4,969.70	5,169.61	5,121.40	11.41	12.61	28.72	329.15	1,935.88	1,568.21	1,544.68	23.53	66.649	
5,100.00	5,069.70	5,268.38	5,218.95	11.49	12.84	28.67	316.38	1,927.20	1,558.78	1,534.94	23.83	65.407	
5,200.00	5,169.70	5,367.15	5,316.51	11.57	13.05	28.13	303.60	1,918.52	1,549.44	1,525.32	24.12	64.234	
5,300.00	5,269.70	5,448.21	5,396.68	11.66	13.21	28.49	293.72	1,911.80	1,540.75	1,516.36	24.38	63.190	
5,400.00	5,369.70	5,528.52	5,476.34	11.74	13.38	28.80	285.31	1,906.08	1,533.34	1,508.70	24.64	62.217	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre						Rule Assigned: Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,500.00	5,469.70	5,600.00	5,547.41	11.82	13.51	89.04	278.99	1,901.79	1,527.25	1,502.37	24.88	61.382		
5,600.00	5,569.70	5,690.25	5,637.32	11.91	13.65	89.28	272.59	1,897.44	1,522.35	1,497.23	25.12	60.594		
5,700.00	5,669.70	5,771.53	5,718.44	11.99	13.76	89.43	268.33	1,894.54	1,518.72	1,493.39	25.34	59.939		
5,800.00	5,769.70	5,853.00	5,799.84	12.07	13.86	89.54	265.49	1,892.61	1,516.32	1,490.79	25.54	59.381		
5,900.00	5,869.70	5,934.58	5,881.39	12.16	13.93	89.59	264.09	1,891.66	1,515.14	1,489.44	25.70	58.959		
5,963.25	5,932.95	5,989.13	5,935.95	12.21	13.95	89.60	263.93	1,891.55	1,515.01	1,489.24	25.77	58.791		
6,000.00	5,969.70	6,025.88	5,972.70	12.24	13.95	89.60	263.93	1,891.55	1,515.01	1,489.20	25.81	58.705		
6,100.00	6,069.70	6,125.88	6,072.70	12.32	13.99	89.60	263.93	1,891.55	1,515.01	1,489.08	25.92	58.445		
6,200.00	6,169.70	6,225.88	6,172.70	12.40	14.02	89.60	263.93	1,891.55	1,515.01	1,488.97	26.04	58.186		
6,300.00	6,269.70	6,325.88	6,272.70	12.49	14.05	89.60	263.93	1,891.55	1,515.01	1,488.85	26.15	57.929		
6,400.00	6,369.70	6,425.88	6,372.70	12.57	14.09	89.60	263.93	1,891.55	1,515.01	1,488.74	26.27	57.673		
6,500.00	6,469.70	6,525.88	6,472.70	12.65	14.12	89.60	263.93	1,891.55	1,515.01	1,488.62	26.39	57.418		
6,600.00	6,569.70	6,625.88	6,572.70	12.74	14.16	89.60	263.93	1,891.55	1,515.01	1,488.50	26.50	57.165		
6,700.00	6,669.70	6,725.88	6,672.70	12.82	14.19	89.60	263.93	1,891.55	1,515.01	1,488.39	26.62	56.914		
6,800.00	6,769.70	6,825.88	6,772.70	12.90	14.23	89.60	263.93	1,891.55	1,515.01	1,488.27	26.74	56.663		
6,900.00	6,869.70	6,925.88	6,872.70	12.99	14.27	89.60	263.93	1,891.55	1,515.01	1,488.15	26.85	56.415		
7,000.00	6,969.70	7,025.88	6,972.70	13.07	14.30	89.60	263.93	1,891.55	1,515.01	1,488.03	26.97	56.167		
7,100.00	7,069.70	7,125.88	7,072.70	13.15	14.34	89.60	263.93	1,891.55	1,515.01	1,487.92	27.09	55.921		
7,200.00	7,169.70	7,225.88	7,172.70	13.24	14.38	89.60	263.93	1,891.55	1,515.01	1,487.80	27.21	55.677		
7,300.00	7,269.70	7,325.88	7,272.70	13.32	14.41	89.60	263.93	1,891.55	1,515.01	1,487.68	27.33	55.433		
7,400.00	7,369.70	7,425.88	7,372.70	13.40	14.45	89.60	263.93	1,891.55	1,515.01	1,487.56	27.45	55.192		
7,500.00	7,469.70	7,525.88	7,472.70	13.48	14.49	89.60	263.93	1,891.55	1,515.01	1,487.44	27.57	54.951		
7,600.00	7,569.70	7,625.88	7,572.70	13.57	14.53	89.60	263.93	1,891.55	1,515.01	1,487.32	27.69	54.712		
7,700.00	7,669.70	7,725.88	7,672.70	13.65	14.57	89.60	263.93	1,891.55	1,515.01	1,487.20	27.81	54.475		
7,800.00	7,769.70	7,825.88	7,772.70	13.73	14.61	89.60	263.93	1,891.55	1,515.01	1,487.07	27.93	54.238		
7,900.00	7,869.70	7,925.88	7,872.70	13.82	14.65	89.60	263.93	1,891.55	1,515.01	1,486.95	28.05	54.003		
8,000.00	7,969.70	8,025.88	7,972.70	13.90	14.69	89.60	263.93	1,891.55	1,515.01	1,486.83	28.18	53.770		
8,100.00	8,069.70	8,125.88	8,072.70	13.98	14.73	89.60	263.93	1,891.55	1,515.01	1,486.71	28.30	53.538		
8,200.00	8,169.70	8,225.88	8,172.70	14.07	14.77	89.60	263.93	1,891.55	1,515.01	1,486.59	28.42	53.307		
8,300.00	8,269.70	8,325.88	8,272.70	14.15	14.81	89.60	263.93	1,891.55	1,515.01	1,486.46	28.54	53.078		
8,400.00	8,369.70	8,425.88	8,372.70	14.23	14.85	89.60	263.93	1,891.55	1,515.01	1,486.34	28.67	52.850		
8,500.00	8,469.70	8,525.88	8,472.70	14.31	14.90	89.60	263.93	1,891.55	1,515.01	1,486.22	28.79	52.623		
8,600.00	8,569.70	8,625.88	8,572.70	14.40	14.94	89.60	263.93	1,891.55	1,515.01	1,486.09	28.91	52.398		
8,700.00	8,669.70	8,725.88	8,672.70	14.48	14.98	89.60	263.93	1,891.55	1,515.01	1,485.97	29.04	52.174		
8,800.00	8,769.70	8,825.88	8,772.70	14.56	15.03	89.60	263.93	1,891.55	1,515.01	1,485.84	29.16	51.951		
8,900.00	8,869.70	8,925.88	8,872.70	14.65	15.07	89.60	263.93	1,891.55	1,515.01	1,485.72	29.29	51.730		
9,000.00	8,969.70	9,025.88	8,972.70	14.73	15.11	89.60	263.93	1,891.55	1,515.01	1,485.59	29.41	51.510		
9,100.00	9,069.70	9,125.88	9,072.70	14.81	15.16	89.60	263.93	1,891.55	1,515.01	1,485.47	29.54	51.291		
9,200.00	9,169.70	9,225.88	9,172.70	14.90	15.20	89.60	263.93	1,891.55	1,515.01	1,485.34	29.66	51.074		
9,300.00	9,269.70	9,325.88	9,272.70	14.98	15.25	89.60	263.93	1,891.55	1,515.01	1,485.22	29.79	50.857		
9,400.00	9,369.70	9,425.88	9,372.70	15.06	15.29	89.60	263.93	1,891.55	1,515.01	1,485.09	29.92	50.643		
9,500.00	9,469.70	9,525.88	9,472.70	15.14	15.34	89.60	263.93	1,891.55	1,515.01	1,484.96	30.04	50.429		
9,600.00	9,569.70	9,625.88	9,572.70	15.23	15.39	89.60	263.93	1,891.55	1,515.01	1,484.84	30.17	50.217		
9,700.00	9,669.70	9,725.88	9,672.70	15.31	15.43	89.60	263.93	1,891.55	1,515.01	1,484.71	30.30	50.006		
9,800.00	9,769.70	9,825.88	9,772.70	15.39	15.48	89.60	263.93	1,891.55	1,515.01	1,484.58	30.42	49.797		
9,900.00	9,869.70	9,925.88	9,872.70	15.48	15.53	89.60	263.93	1,891.55	1,515.01	1,484.46	30.55	49.588		
10,000.00	9,969.70	10,025.88	9,972.70	15.56	15.57	89.60	263.93	1,891.55	1,515.01	1,484.33	30.68	49.381		
10,100.00	10,069.70	10,125.88	10,072.70	15.64	15.62	89.60	263.93	1,891.55	1,515.01	1,484.20	30.81	49.175		
10,200.00	10,169.70	10,225.88	10,172.70	15.72	15.67	89.60	263.93	1,891.55	1,515.01	1,484.07	30.94	48.971		
10,300.00	10,269.70	10,325.88	10,272.70	15.81	15.72	89.60	263.93	1,891.55	1,515.01	1,483.94	31.07	48.768		
10,400.00	10,369.70	10,425.88	10,372.70	15.89	15.77	89.60	263.93	1,891.55	1,515.01	1,483.81	31.20	48.566		
10,500.00	10,469.70	10,525.88	10,472.70	15.97	15.81	89.60	263.93	1,891.55	1,515.01	1,483.68	31.32	48.365		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
14,500.00	11,670.84	14,940.26	12,089.34	42.00	51.96	-105.57	-2,796.67	1,894.53	1,548.42	1,457.15	91.28	16.964		
14,600.00	11,671.71	15,040.26	12,090.04	43.27	53.28	-105.56	-2,896.66	1,895.43	1,548.42	1,454.66	93.76	16.515		
14,700.00	11,672.59	15,140.26	12,090.74	44.53	54.59	-105.55	-2,996.65	1,896.34	1,548.42	1,452.16	96.25	16.087		
14,800.00	11,673.46	15,240.26	12,091.44	45.81	55.91	-105.55	-3,096.65	1,897.25	1,548.41	1,449.66	98.76	15.679		
14,900.00	11,674.34	15,340.26	12,092.14	47.09	57.24	-105.54	-3,196.64	1,898.15	1,548.41	1,447.14	101.27	15.291		
15,000.00	11,675.22	15,440.26	12,092.84	48.37	58.56	-105.53	-3,296.63	1,899.06	1,548.41	1,444.62	103.78	14.920		
15,100.00	11,676.09	15,540.26	12,093.53	49.66	59.89	-105.53	-3,396.63	1,899.97	1,548.40	1,442.10	106.31	14.565		
15,200.00	11,676.97	15,640.26	12,094.23	50.96	61.21	-105.52	-3,496.62	1,900.87	1,548.40	1,439.56	108.84	14.227		
15,300.00	11,677.85	15,740.26	12,094.93	52.26	62.54	-105.51	-3,596.61	1,901.78	1,548.40	1,437.02	111.37	13.903		
15,400.00	11,678.72	15,840.26	12,095.63	53.56	63.88	-105.51	-3,696.61	1,902.69	1,548.39	1,434.47	113.92	13.592		
15,500.00	11,679.60	15,940.26	12,096.33	54.86	65.21	-105.50	-3,796.60	1,903.59	1,548.39	1,431.92	116.47	13.295		
15,600.00	11,680.48	16,040.26	12,097.03	56.17	66.54	-105.49	-3,896.59	1,904.50	1,548.39	1,429.37	119.02	13.010		
15,700.00	11,681.35	16,140.26	12,097.72	57.48	67.88	-105.48	-3,996.59	1,905.41	1,548.38	1,426.81	121.58	12.736		
15,800.00	11,682.23	16,240.26	12,098.42	58.79	69.22	-105.48	-4,096.58	1,906.31	1,548.38	1,424.24	124.14	12.473		
15,900.00	11,683.10	16,340.26	12,099.12	60.11	70.56	-105.47	-4,196.57	1,907.22	1,548.38	1,421.67	126.70	12.221		
16,000.00	11,683.98	16,440.26	12,099.82	61.43	71.89	-105.46	-4,296.57	1,908.13	1,548.37	1,419.10	129.27	11.978		
16,100.00	11,684.86	16,540.26	12,100.52	62.75	73.24	-105.46	-4,396.56	1,909.03	1,548.37	1,416.52	131.85	11.744		
16,200.00	11,685.73	16,640.26	12,101.22	64.07	74.58	-105.45	-4,496.55	1,909.94	1,548.37	1,413.94	134.42	11.519		
16,300.00	11,686.61	16,740.26	12,101.91	65.40	75.92	-105.44	-4,596.55	1,910.85	1,548.36	1,411.36	137.00	11.302		
16,400.00	11,687.49	16,840.26	12,102.61	66.72	77.26	-105.44	-4,696.54	1,911.76	1,548.36	1,408.77	139.58	11.093		
16,500.00	11,688.36	16,940.26	12,103.31	68.05	78.61	-105.43	-4,796.53	1,912.66	1,548.36	1,406.19	142.17	10.891		
16,600.00	11,689.24	17,040.26	12,104.01	69.38	79.95	-105.42	-4,896.53	1,913.57	1,548.35	1,403.59	144.76	10.696		
16,700.00	11,690.12	17,140.26	12,104.71	70.71	81.30	-105.42	-4,996.52	1,914.48	1,548.35	1,401.00	147.35	10.508		
16,800.00	11,690.99	17,240.26	12,105.40	72.05	82.65	-105.41	-5,096.51	1,915.38	1,548.35	1,398.40	149.94	10.326		
16,900.00	11,691.87	17,340.26	12,106.10	73.38	83.99	-105.40	-5,196.51	1,916.29	1,548.34	1,395.80	152.54	10.150		
17,000.00	11,692.75	17,440.26	12,106.80	74.72	85.34	-105.40	-5,296.50	1,917.20	1,548.34	1,393.20	155.14	9.980		
17,100.00	11,693.62	17,540.26	12,107.50	76.05	86.69	-105.39	-5,396.49	1,918.10	1,548.34	1,390.60	157.74	9.816		
17,200.00	11,694.50	17,640.26	12,108.20	77.39	88.04	-105.38	-5,496.49	1,919.01	1,548.33	1,387.99	160.34	9.657		
17,300.00	11,695.37	17,740.26	12,108.90	78.73	89.39	-105.38	-5,596.48	1,919.92	1,548.33	1,385.39	162.94	9.502		
17,400.00	11,696.25	17,840.26	12,109.59	80.07	90.74	-105.37	-5,696.47	1,920.82	1,548.33	1,382.78	165.55	9.353		
17,500.00	11,697.13	17,940.26	12,110.29	81.41	92.09	-105.36	-5,796.47	1,921.73	1,548.32	1,380.17	168.16	9.208		
17,600.00	11,698.00	18,040.26	12,110.99	82.75	93.44	-105.36	-5,896.46	1,922.64	1,548.32	1,377.56	170.77	9.067		
17,700.00	11,698.88	18,140.26	12,111.69	84.10	94.80	-105.35	-5,996.45	1,923.54	1,548.32	1,374.94	173.38	8.930		
17,800.00	11,699.76	18,240.26	12,112.39	85.44	96.15	-105.34	-6,096.45	1,924.45	1,548.32	1,372.33	175.99	8.798		
17,900.00	11,700.63	18,340.26	12,113.09	86.79	97.50	-105.33	-6,196.44	1,925.36	1,548.31	1,369.71	178.60	8.669		
18,000.00	11,701.51	18,440.26	12,113.78	88.13	98.86	-105.33	-6,296.43	1,926.26	1,548.31	1,367.09	181.22	8.544		
18,100.00	11,702.39	18,540.26	12,114.48	89.48	100.21	-105.32	-6,396.42	1,927.17	1,548.31	1,364.47	183.84	8.422		
18,200.00	11,703.26	18,640.26	12,115.18	90.83	101.57	-105.31	-6,496.42	1,928.08	1,548.30	1,361.85	186.45	8.304		
18,300.00	11,704.14	18,740.25	12,115.88	92.17	102.92	-105.31	-6,596.41	1,928.98	1,548.30	1,359.23	189.07	8.189		
18,400.00	11,705.02	18,840.25	12,116.58	93.52	104.28	-105.30	-6,696.40	1,929.89	1,548.30	1,356.60	191.69	8.077		
18,500.00	11,705.89	18,940.25	12,117.27	94.87	105.63	-105.29	-6,796.40	1,930.80	1,548.30	1,353.98	194.32	7.968		
18,600.00	11,706.77	19,040.25	12,117.97	96.22	106.99	-105.29	-6,896.39	1,931.71	1,548.29	1,351.35	196.94	7.862		
18,700.00	11,707.64	19,140.25	12,118.67	97.57	108.34	-105.28	-6,996.38	1,932.61	1,548.29	1,348.73	199.56	7.758		
18,800.00	11,708.52	19,240.25	12,119.37	98.92	109.70	-105.27	-7,096.38	1,933.52	1,548.29	1,346.10	202.19	7.658		
18,900.00	11,709.40	19,340.25	12,120.07	100.27	111.06	-105.27	-7,196.37	1,934.43	1,548.28	1,343.47	204.81	7.559		
19,000.00	11,710.27	19,440.25	12,120.77	101.62	112.41	-105.26	-7,296.36	1,935.33	1,548.28	1,340.84	207.44	7.464		
19,100.00	11,711.15	19,540.25	12,121.46	102.97	113.77	-105.25	-7,396.36	1,936.24	1,548.28	1,338.21	210.07	7.370		
19,200.00	11,712.03	19,640.25	12,122.16	104.33	115.13	-105.25	-7,496.35	1,937.15	1,548.28	1,335.58	212.70	7.279		
19,300.00	11,712.90	19,740.25	12,122.86	105.68	116.49	-105.24	-7,596.34	1,938.05	1,548.27	1,332.94	215.33	7.190		
19,400.00	11,713.78	19,840.25	12,123.56	107.03	117.85	-105.23	-7,696.34	1,938.96	1,548.27	1,330.31	217.96	7.103		
19,500.00	11,714.66	19,940.25	12,124.26	108.39	119.21	-105.23	-7,796.33	1,939.87	1,548.27	1,327.68	220.59	7.019		
19,600.00	11,715.53	20,040.25	12,124.96	109.74	120.56	-105.22	-7,896.32	1,940.77	1,548.27	1,325.04	223.22	6.936		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 133H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)
19,700.00	11,716.41	20,140.25	12,125.65	111.10	121.92	-105.21	-7,996.32	1,941.68	1,548.26	1,322.41	225.86	6.855	
19,800.00	11,717.28	20,240.25	12,126.35	112.45	123.28	-105.21	-8,096.31	1,942.59	1,548.26	1,319.77	228.49	6.776	
19,900.00	11,718.16	20,340.25	12,127.05	113.81	124.64	-105.20	-8,196.30	1,943.49	1,548.26	1,317.13	231.13	6.699	
20,000.00	11,719.04	20,440.25	12,127.75	115.16	126.00	-105.19	-8,296.30	1,944.40	1,548.26	1,314.49	233.76	6.623	
20,100.00	11,719.91	20,540.25	12,128.45	116.52	127.36	-105.19	-8,396.29	1,945.31	1,548.25	1,311.86	236.40	6.549	
20,200.00	11,720.79	20,640.25	12,129.14	117.87	128.72	-105.18	-8,496.28	1,946.21	1,548.25	1,309.22	239.04	6.477	
20,300.00	11,721.67	20,740.25	12,129.84	119.23	130.08	-105.17	-8,596.28	1,947.12	1,548.25	1,306.58	241.67	6.406	
20,400.00	11,722.54	20,840.25	12,130.54	120.59	131.44	-105.16	-8,696.27	1,948.03	1,548.25	1,303.94	244.31	6.337	
20,500.00	11,723.42	20,940.25	12,131.24	121.95	132.80	-105.16	-8,796.26	1,948.93	1,548.24	1,301.29	246.95	6.269	
20,600.00	11,724.30	21,040.25	12,131.94	123.30	134.17	-105.15	-8,896.26	1,949.84	1,548.24	1,298.65	249.59	6.203	
20,700.00	11,725.17	21,140.25	12,132.64	124.66	135.53	-105.14	-8,996.25	1,950.75	1,548.24	1,296.01	252.23	6.138	
20,800.00	11,726.05	21,240.25	12,133.33	126.02	136.89	-105.14	-9,096.24	1,951.65	1,548.24	1,293.37	254.87	6.075	
20,900.00	11,726.93	21,340.25	12,134.03	127.38	138.25	-105.13	-9,196.24	1,952.56	1,548.23	1,290.72	257.51	6.012	
21,000.00	11,727.80	21,440.25	12,134.73	128.74	139.61	-105.12	-9,296.23	1,953.47	1,548.23	1,288.08	260.15	5.951	
21,100.00	11,728.68	21,540.25	12,135.43	130.09	140.97	-105.12	-9,396.22	1,954.38	1,548.23	1,285.43	262.80	5.891	
21,200.00	11,729.55	21,640.25	12,136.13	131.45	142.33	-105.11	-9,496.22	1,955.28	1,548.23	1,282.79	265.44	5.833	
21,300.00	11,730.43	21,740.25	12,136.83	132.81	143.70	-105.10	-9,596.21	1,956.19	1,548.23	1,280.14	268.08	5.775	
21,400.00	11,731.31	21,840.25	12,137.52	134.17	145.06	-105.10	-9,696.20	1,957.10	1,548.22	1,277.50	270.73	5.719	
21,500.00	11,732.18	21,940.25	12,138.22	135.53	146.42	-105.09	-9,796.20	1,958.00	1,548.22	1,274.85	273.37	5.663	
21,600.00	11,733.06	22,040.25	12,138.92	136.89	147.78	-105.08	-9,896.19	1,958.91	1,548.22	1,272.20	276.02	5.609	
21,700.00	11,733.94	22,140.25	12,139.62	138.25	149.15	-105.08	-9,996.18	1,959.82	1,548.22	1,269.55	278.66	5.556	
21,800.00	11,734.81	22,240.25	12,140.32	139.61	150.51	-105.07	-10,096.18	1,960.72	1,548.22	1,266.91	281.31	5.504	
21,900.00	11,735.69	22,340.25	12,141.02	140.97	151.87	-105.06	-10,196.17	1,961.63	1,548.21	1,264.26	283.95	5.452	
21,935.47	11,736.00	22,375.72	12,141.26	141.45	152.35	-105.06	-10,231.63	1,961.95	1,548.21	1,263.32	284.89	5.434 ES, SF	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
0.00	0.00	1.00	1.00	0.50	0.50	73.12	696.00	2,294.00	2,397.26						
100.00	100.00	101.00	101.00	0.98	0.99	73.12	696.00	2,294.00	2,397.26	2,395.29	1.97	1,218.336			
200.00	200.00	201.00	201.00	1.56	1.57	73.12	696.00	2,294.00	2,397.26	2,394.13	3.13	766.779			
300.00	300.00	301.00	301.00	1.98	1.98	73.12	696.00	2,294.00	2,397.26	2,393.29	3.97	604.486			
400.00	399.99	400.99	400.99	2.41	2.33	17.07	696.00	2,294.00	2,396.01	2,391.27	4.74	505.669			
500.00	499.91	500.91	500.91	2.79	2.64	17.11	696.00	2,294.00	2,392.26	2,386.85	5.41	442.297			
600.00	599.69	600.69	600.69	3.12	2.91	17.18	696.00	2,294.00	2,386.00	2,379.99	6.01	396.714			
633.33	632.91	633.91	633.91	3.15	3.00	17.22	696.00	2,294.00	2,383.37	2,377.24	6.13	388.812			
700.00	699.32	700.32	700.32	3.26	3.16	17.26	696.00	2,294.00	2,377.82	2,371.41	6.40	371.254			
800.00	798.94	799.94	799.94	3.51	3.40	17.32	696.00	2,294.00	2,369.49	2,362.60	6.89	343.933			
900.00	898.56	899.56	899.56	3.75	3.62	17.38	696.00	2,294.00	2,361.17	2,353.82	7.35	321.176			
1,000.00	998.18	999.18	999.18	3.98	3.83	17.45	696.00	2,294.00	2,352.85	2,345.05	7.80	301.821			
1,100.00	1,097.80	1,098.80	1,098.80	4.21	4.04	17.51	696.00	2,294.00	2,344.53	2,336.31	8.22	285.084			
1,200.00	1,197.42	1,198.42	1,198.42	4.44	4.23	17.57	696.00	2,294.00	2,336.22	2,327.58	8.64	270.417			
1,300.00	1,297.04	1,298.04	1,298.04	4.66	4.42	17.64	696.00	2,294.00	2,327.91	2,318.87	9.04	257.418			
1,400.00	1,396.66	1,407.44	1,407.44	4.87	4.51	17.72	695.57	2,294.00	2,319.50	2,310.16	9.35	248.161			
1,500.00	1,496.28	1,527.11	1,527.05	5.08	4.74	17.89	691.89	2,294.00	2,310.35	2,300.62	9.73	237.543			
1,600.00	1,595.90	1,646.08	1,645.78	5.29	4.93	18.14	684.53	2,294.00	2,300.35	2,290.27	10.08	228.187			
1,700.00	1,695.52	1,728.56	1,727.96	5.50	5.03	18.37	677.44	2,294.25	2,290.09	2,279.71	10.38	220.713			
1,800.00	1,795.14	1,800.00	1,799.07	5.71	5.13	18.60	670.74	2,295.69	2,281.19	2,270.49	10.70	213.121			
1,900.00	1,894.76	1,860.60	1,859.33	5.91	5.23	18.80	664.73	2,297.90	2,273.78	2,262.78	11.00	206.692			
2,000.00	1,994.38	1,926.57	1,924.85	6.11	5.33	19.04	657.86	2,301.35	2,267.88	2,256.58	11.30	200.612			
2,100.00	2,094.00	2,008.56	2,006.13	6.31	5.47	19.35	648.83	2,307.14	2,263.59	2,251.96	11.64	194.520			
2,200.00	2,193.62	2,083.10	2,079.94	6.52	5.58	19.65	640.37	2,313.16	2,260.27	2,248.33	11.94	189.297			
2,206.41	2,200.00	2,089.42	2,086.20	6.53	5.59	19.68	639.65	2,313.67	2,260.07	2,248.10	11.96	188.940			
2,300.00	2,293.13	2,181.67	2,177.56	6.73	5.73	20.08	629.19	2,321.11	2,256.10	2,243.81	12.29	183.512			
2,400.00	2,392.34	2,279.97	2,274.90	6.97	5.88	20.55	618.03	2,329.05	2,249.62	2,236.95	12.67	177.550			
2,500.00	2,491.20	2,377.92	2,371.89	7.20	6.04	21.05	606.92	2,336.96	2,240.82	2,227.77	13.05	171.695			
2,539.71	2,530.34	2,416.70	2,410.30	7.26	6.10	21.26	602.52	2,340.09	2,236.70	2,223.53	13.17	169.857			
2,600.00	2,589.72	2,475.54	2,468.56	7.35	6.20	21.55	595.85	2,344.84	2,230.19	2,216.83	13.36	166.969			
2,700.00	2,688.20	2,573.13	2,565.20	7.56	6.36	22.04	584.78	2,352.72	2,219.53	2,205.81	13.72	161.773			
2,800.00	2,786.68	2,670.71	2,661.83	7.76	6.52	22.53	573.71	2,360.60	2,209.03	2,194.95	14.09	156.828			
2,900.00	2,885.16	2,768.30	2,758.46	7.97	6.68	23.02	562.64	2,368.48	2,198.70	2,184.25	14.45	152.119			
3,000.00	2,983.64	2,865.88	2,855.10	8.18	6.85	23.52	551.57	2,376.36	2,188.54	2,173.72	14.82	147.634			
3,100.00	3,082.12	2,963.47	2,951.73	8.38	7.01	24.02	540.50	2,384.23	2,178.56	2,163.36	15.20	143.359			
3,200.00	3,180.60	3,061.05	3,048.37	8.59	7.18	24.53	529.43	2,392.11	2,168.74	2,153.17	15.57	139.282			
3,300.00	3,279.09	3,158.64	3,145.00	8.80	7.35	25.04	518.36	2,399.99	2,159.10	2,143.16	15.95	135.392			
3,400.00	3,377.57	3,256.22	3,241.64	9.00	7.52	25.55	507.28	2,407.87	2,149.65	2,133.32	16.33	131.678			
3,500.00	3,476.05	3,353.81	3,338.27	9.21	7.69	26.07	496.21	2,415.75	2,140.37	2,123.66	16.70	128.131			
3,600.00	3,574.53	3,451.39	3,434.91	9.42	7.87	26.60	485.14	2,423.63	2,131.27	2,114.19	17.09	124.741			
3,695.67	3,668.75	3,544.76	3,527.36	9.61	8.03	27.10	474.55	2,431.17	2,122.75	2,105.30	17.45	121.668			
3,700.00	3,673.01	3,548.98	3,531.54	9.62	8.04	27.12	474.07	2,431.51	2,122.37	2,104.91	17.46	121.553			
3,800.00	3,771.73	3,646.79	3,628.40	9.84	8.22	27.59	462.98	2,439.40	2,114.90	2,097.05	17.86	118.435			
3,900.00	3,870.82	3,744.97	3,725.63	10.06	8.40	28.04	451.84	2,447.33	2,109.92	2,091.68	18.25	115.632			
4,000.00	3,970.24	3,843.46	3,823.15	10.27	8.58	28.48	440.67	2,455.28	2,107.40	2,088.77	18.63	113.125			
4,053.76	4,023.79	3,896.51	3,875.69	10.38	8.68	28.71	434.65	2,459.57	2,107.05	2,088.22	18.83	111.904	CC		
4,100.00	4,069.90	3,942.18	3,920.91	10.47	8.76	28.91	429.47	2,463.25	2,107.31	2,088.31	19.00	110.901			
4,200.00	4,169.75	4,041.07	4,018.84	10.66	8.94	29.32	418.25	2,471.24	2,109.62	2,090.26	19.36	108.951			
4,300.00	4,269.70	4,140.06	4,116.87	10.84	9.13	29.71	407.02	2,479.23	2,114.30	2,094.59	19.71	107.276			
4,362.30	4,332.00	4,201.76	4,177.96	10.89	9.24	86.02	400.02	2,484.21	2,118.41	2,098.54	19.87	106.599			
4,400.00	4,369.70	4,239.09	4,214.93	10.91	9.31	86.14	395.78	2,487.23	2,121.17	2,101.22	19.96	106.296			
4,500.00	4,469.70	4,338.11	4,312.99	10.99	9.50	86.46	384.55	2,495.22	2,128.55	2,108.33	20.22	105.260			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance		Offset Well Error: 0.50 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,769.70	9,804.88	9,770.70	15.39	14.10	89.60	268.87	2,577.55	2,201.02	2,172.04	28.99	75.926	
9,900.00	9,869.70	9,904.88	9,870.70	15.48	14.17	89.60	268.87	2,577.55	2,201.02	2,171.89	29.13	75.556	
10,000.00	9,969.70	10,004.88	9,970.70	15.56	14.23	89.60	268.87	2,577.55	2,201.02	2,171.75	29.27	75.189	
10,100.00	10,069.70	10,104.88	10,070.70	15.64	14.29	89.60	268.87	2,577.55	2,201.02	2,171.61	29.42	74.825	
10,200.00	10,169.70	10,204.88	10,170.70	15.72	14.36	89.60	268.87	2,577.55	2,201.02	2,171.47	29.56	74.465	
10,300.00	10,269.70	10,304.88	10,270.70	15.81	14.42	89.60	268.87	2,577.55	2,201.02	2,171.32	29.70	74.107	
10,400.00	10,369.70	10,404.88	10,370.70	15.89	14.48	89.60	268.87	2,577.55	2,201.02	2,171.18	29.84	73.752	
10,500.00	10,469.70	10,504.88	10,470.70	15.97	14.55	89.60	268.87	2,577.55	2,201.02	2,171.04	29.99	73.399	
10,600.00	10,569.70	10,604.88	10,570.70	16.06	14.61	89.60	268.87	2,577.55	2,201.02	2,170.89	30.13	73.050	
10,700.00	10,669.70	10,704.88	10,670.70	16.14	14.68	89.60	268.87	2,577.55	2,201.02	2,170.75	30.27	72.704	
10,800.00	10,769.70	10,804.88	10,770.70	16.22	14.74	89.60	268.87	2,577.55	2,201.02	2,170.61	30.42	72.360	
10,900.00	10,869.70	10,904.88	10,870.70	16.30	14.81	89.60	268.87	2,577.55	2,201.02	2,170.46	30.56	72.019	
11,000.00	10,969.70	11,004.88	10,970.70	16.39	14.87	89.60	268.87	2,577.55	2,201.02	2,170.32	30.71	71.681	
11,100.00	11,069.70	11,104.88	11,070.70	16.47	14.94	89.60	268.87	2,577.55	2,201.02	2,170.17	30.85	71.336	
11,106.30	11,076.00	11,111.19	11,077.00	16.48	14.94	89.60	268.87	2,577.55	2,201.02	2,170.16	30.86	71.314	
11,150.00	11,119.65	11,154.84	11,120.65	16.50	14.97	-89.95	268.87	2,577.55	2,201.02	2,170.13	30.89	71.246	
11,169.04	11,138.61	11,173.80	11,139.61	16.51	14.98	-90.00	268.87	2,577.55	2,201.02	2,170.13	30.90	71.242	
11,200.00	11,169.28	11,204.47	11,170.28	16.52	15.00	-90.11	268.87	2,577.55	2,201.03	2,170.13	30.90	71.235	
11,250.00	11,218.19	11,253.38	11,219.19	16.54	15.03	-90.37	268.87	2,577.55	2,201.07	2,170.18	30.89	71.251	
11,300.00	11,266.03	11,301.22	11,267.03	16.57	15.06	-90.71	268.87	2,577.55	2,201.21	2,170.34	30.88	71.294	
11,350.00	11,312.42	11,347.60	11,313.42	16.60	15.09	-91.13	268.87	2,577.55	2,201.54	2,170.69	30.85	71.358	
11,400.00	11,357.00	11,392.19	11,358.00	16.63	15.12	-91.59	268.87	2,577.55	2,202.14	2,171.32	30.82	71.440	
11,450.00	11,399.45	11,434.64	11,400.45	16.67	15.15	-92.07	268.87	2,577.55	2,203.14	2,172.34	30.80	71.529	
11,500.00	11,439.44	11,474.63	11,440.44	16.71	15.18	-92.55	268.87	2,577.55	2,204.66	2,173.88	30.78	71.622	
11,550.00	11,476.66	11,513.25	11,479.07	16.75	15.21	-93.00	268.85	2,577.55	2,206.83	2,176.05	30.77	71.713	
11,600.00	11,510.83	11,565.41	11,531.12	16.80	15.29	-93.66	266.02	2,577.58	2,209.60	2,178.82	30.78	71.790	
11,650.00	11,541.70	11,622.99	11,588.03	16.85	15.41	-94.35	257.41	2,577.65	2,212.89	2,182.06	30.83	71.770	
11,700.00	11,569.01	11,687.68	11,650.57	16.91	15.56	-95.10	240.99	2,577.80	2,216.62	2,185.66	30.96	71.592	
11,750.00	11,592.58	11,761.76	11,719.37	16.99	15.73	-95.93	213.67	2,578.05	2,220.69	2,189.49	31.20	71.182	
11,800.00	11,612.22	11,848.24	11,794.44	17.07	15.94	-96.86	170.89	2,578.44	2,224.92	2,193.34	31.58	70.449	
11,850.00	11,627.77	11,950.73	11,873.83	17.17	16.23	-97.86	106.30	2,579.03	2,229.06	2,196.88	32.18	69.268	
11,900.00	11,639.12	12,072.66	11,951.49	17.28	16.76	-98.89	12.60	2,579.88	2,232.73	2,199.66	33.06	67.528	
11,950.00	11,646.19	12,187.82	12,004.73	17.41	17.53	-99.57	-89.26	2,580.80	2,235.43	2,201.38	34.05	65.654	
12,000.00	11,648.92	12,373.10	12,045.88	17.55	19.10	-100.20	-269.00	2,582.44	2,236.75	2,201.06	35.69	62.678	
12,001.28	11,648.94	12,377.27	12,046.12	17.56	19.14	-100.21	-273.16	2,582.48	2,236.76	2,201.04	35.72	62.612	
12,100.00	11,649.80	12,494.63	12,047.58	17.91	20.28	-100.22	-390.50	2,583.54	2,236.81	2,199.65	37.16	60.189	
12,200.00	11,650.68	12,594.63	12,048.28	18.35	21.29	-100.21	-490.49	2,584.45	2,236.83	2,198.21	38.62	57.922	
12,300.00	11,651.55	12,694.63	12,048.97	18.88	22.35	-100.21	-590.48	2,585.36	2,236.84	2,196.64	40.20	55.641	
12,400.00	11,652.43	12,794.63	12,049.67	19.49	23.44	-100.20	-690.48	2,586.27	2,236.86	2,194.96	41.90	53.385	
12,500.00	11,653.31	12,894.63	12,050.37	20.18	24.55	-100.20	-790.47	2,587.18	2,236.87	2,193.17	43.70	51.185	
12,600.00	11,654.18	12,994.63	12,051.07	20.94	25.69	-100.19	-890.46	2,588.09	2,236.89	2,191.30	45.59	49.061	
12,700.00	11,655.06	13,094.63	12,051.77	21.77	26.86	-100.19	-990.46	2,588.99	2,236.91	2,189.34	47.57	47.027	
12,800.00	11,655.94	13,194.63	12,052.47	22.65	28.04	-100.19	-1,090.45	2,589.90	2,236.92	2,187.31	49.61	45.090	
12,900.00	11,656.81	13,294.63	12,053.17	23.58	29.23	-100.18	-1,190.44	2,590.81	2,236.94	2,185.22	51.72	43.254	
13,000.00	11,657.69	13,394.63	12,053.87	24.56	30.44	-100.18	-1,290.44	2,591.72	2,236.95	2,183.08	53.88	41.519	
13,100.00	11,658.57	13,494.63	12,054.57	25.57	31.67	-100.17	-1,390.43	2,592.63	2,236.97	2,180.88	56.09	39.884	
13,200.00	11,659.44	13,594.63	12,055.27	26.62	32.90	-100.17	-1,490.42	2,593.54	2,236.98	2,178.64	58.34	38.344	
13,300.00	11,660.32	13,694.62	12,055.97	27.69	34.14	-100.16	-1,590.42	2,594.45	2,237.00	2,176.37	60.63	36.895	
13,400.00	11,661.19	13,794.62	12,056.67	28.80	35.40	-100.16	-1,690.41	2,595.36	2,237.02	2,174.06	62.96	35.533	
13,500.00	11,662.07	13,894.62	12,057.36	29.92	36.66	-100.15	-1,790.40	2,596.26	2,237.03	2,171.72	65.31	34.252	
13,600.00	11,662.95	13,994.62	12,058.06	31.07	37.93	-100.15	-1,890.40	2,597.17	2,237.05	2,169.35	67.69	33.047	
13,700.00	11,663.82	14,094.62	12,058.76	32.23	39.21	-100.14	-1,990.39	2,598.08	2,237.06	2,166.96	70.10	31.913	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 134H - OH - Plan 1

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Rule Assigned:		Offset Well Error:	
Reference Offset				Semi Major Axis		Offset Wellbore Centre			Distance		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	11,710.27	19,394.62	12,095.82	101.62	110.08	-99.89	-7,290.03	2,646.25	2,237.92	2,029.42	208.50	10.733	
19,100.00	11,711.15	19,494.62	12,096.52	102.97	111.44	-99.89	-7,390.02	2,647.15	2,237.94	2,026.76	211.18	10.597	
19,200.00	11,712.03	19,594.62	12,097.21	104.33	112.80	-99.89	-7,490.02	2,648.06	2,237.95	2,024.10	213.86	10.465	
19,300.00	11,712.90	19,694.61	12,097.91	105.68	114.16	-99.88	-7,590.01	2,648.97	2,237.97	2,021.43	216.54	10.335	
19,400.00	11,713.78	19,794.61	12,098.61	107.03	115.52	-99.88	-7,690.00	2,649.88	2,237.99	2,018.77	219.22	10.209	
19,500.00	11,714.66	19,894.61	12,099.31	108.39	116.88	-99.87	-7,790.00	2,650.79	2,238.00	2,016.11	221.90	10.086	
19,600.00	11,715.53	19,994.61	12,100.01	109.74	118.24	-99.87	-7,889.99	2,651.70	2,238.02	2,013.44	224.58	9.965	
19,700.00	11,716.41	20,094.61	12,100.71	111.10	119.60	-99.86	-7,989.98	2,652.61	2,238.04	2,010.78	227.26	9.848	
19,800.00	11,717.28	20,194.61	12,101.41	112.45	120.96	-99.86	-8,089.98	2,653.52	2,238.05	2,008.11	229.94	9.733	
19,900.00	11,718.16	20,294.61	12,102.11	113.81	122.32	-99.85	-8,189.97	2,654.42	2,238.07	2,005.45	232.62	9.621	
20,000.00	11,719.04	20,394.61	12,102.81	115.16	123.68	-99.85	-8,289.96	2,655.33	2,238.09	2,002.78	235.31	9.511	
20,100.00	11,719.91	20,494.61	12,103.51	116.52	125.04	-99.84	-8,389.96	2,656.24	2,238.10	2,000.11	237.99	9.404	
20,200.00	11,720.79	20,594.61	12,104.21	117.87	126.40	-99.84	-8,489.95	2,657.15	2,238.12	1,997.45	240.67	9.299	
20,300.00	11,721.67	20,694.61	12,104.91	119.23	127.76	-99.83	-8,589.94	2,658.06	2,238.14	1,994.78	243.36	9.197	
20,400.00	11,722.54	20,794.61	12,105.60	120.59	129.12	-99.83	-8,689.94	2,658.97	2,238.16	1,992.11	246.04	9.097	
20,500.00	11,723.42	20,894.61	12,106.30	121.95	130.48	-99.82	-8,789.93	2,659.88	2,238.17	1,989.44	248.73	8.998	
20,600.00	11,724.30	20,994.61	12,107.00	123.30	131.84	-99.82	-8,889.92	2,660.79	2,238.19	1,986.77	251.42	8.902	
20,700.00	11,725.17	21,094.61	12,107.70	124.66	133.21	-99.82	-8,989.92	2,661.69	2,238.21	1,984.10	254.10	8.808	
20,800.00	11,726.05	21,194.61	12,108.40	126.02	134.57	-99.81	-9,089.91	2,662.60	2,238.22	1,981.43	256.79	8.716	
20,900.00	11,726.93	21,294.61	12,109.10	127.38	135.93	-99.81	-9,189.90	2,663.51	2,238.24	1,978.76	259.48	8.626	
21,000.00	11,727.80	21,394.61	12,109.80	128.74	137.29	-99.80	-9,289.90	2,664.42	2,238.26	1,976.09	262.17	8.537	
21,100.00	11,728.68	21,494.61	12,110.50	130.09	138.65	-99.80	-9,389.89	2,665.33	2,238.27	1,973.42	264.86	8.451	
21,200.00	11,729.55	21,594.61	12,111.20	131.45	140.02	-99.79	-9,489.88	2,666.24	2,238.29	1,970.74	267.55	8.366	
21,300.00	11,730.43	21,694.61	12,111.90	132.81	141.38	-99.79	-9,589.88	2,667.15	2,238.31	1,968.07	270.24	8.283	
21,400.00	11,731.31	21,794.61	12,112.60	134.17	142.74	-99.78	-9,689.87	2,668.06	2,238.32	1,965.40	272.93	8.201	
21,500.00	11,732.18	21,894.61	12,113.29	135.53	144.11	-99.78	-9,789.86	2,668.96	2,238.34	1,962.72	275.62	8.121	
21,600.00	11,733.06	21,994.61	12,113.99	136.89	145.47	-99.77	-9,889.86	2,669.87	2,238.36	1,960.05	278.31	8.043	
21,700.00	11,733.94	22,094.61	12,114.69	138.25	146.83	-99.77	-9,989.85	2,670.78	2,238.37	1,957.38	281.00	7.966	
21,800.00	11,734.81	22,194.61	12,115.39	139.61	148.20	-99.76	-10,089.84	2,671.69	2,238.39	1,954.70	283.69	7.890	
21,900.00	11,735.69	22,294.61	12,116.09	140.97	149.56	-99.76	-10,189.84	2,672.60	2,238.41	1,952.03	286.38	7.816	
21,935.47	11,736.00	22,330.08	12,116.34	141.45	150.04	-99.76	-10,225.30	2,672.92	2,238.41	1,951.08	287.34	7.790	
												ES, SF	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Rule Assigned:	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-210.00	0.00	210.00	210.00					
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-210.00	0.00	210.00	208.04	1.96	107.024			
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-210.00	0.00	210.00	206.88	3.12	67.259			
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-210.00	0.00	210.00	206.04	3.96	52.999	CC, ES		
400.00	399.99	399.99	399.99	2.41	2.33	124.22	-210.00	0.00	210.73	206.05	4.68	44.987			
500.00	499.91	499.91	499.91	2.79	2.63	125.06	-210.00	0.00	212.97	207.65	5.32	40.056			
600.00	599.69	599.69	599.69	3.12	2.91	126.43	-210.00	0.00	216.79	210.90	5.89	36.785			
633.33	632.91	632.91	632.91	3.15	2.99	126.99	-210.00	0.00	218.45	212.44	6.01	36.353			
700.00	699.32	699.32	699.32	3.26	3.16	128.18	-210.00	0.00	222.00	215.71	6.29	35.299			
800.00	798.94	798.94	798.94	3.51	3.40	129.91	-210.00	0.00	227.50	220.72	6.78	33.537			
900.00	898.56	904.15	904.14	3.75	3.69	131.80	-208.67	-0.49	232.02	224.71	7.31	31.738			
1,000.00	998.18	1,008.89	1,008.79	3.98	3.96	133.96	-204.65	-1.97	234.38	226.57	7.81	30.028			
1,100.00	1,097.80	1,108.48	1,108.24	4.21	4.16	136.11	-199.76	-3.77	236.08	227.84	8.24	28.650			
1,200.00	1,197.42	1,208.07	1,207.70	4.44	4.36	138.23	-194.87	-5.58	238.11	229.45	8.66	27.507			
1,300.00	1,297.04	1,310.71	1,310.16	4.66	4.48	140.44	-189.38	-7.60	240.10	231.10	8.99	26.701			
1,400.00	1,396.66	1,415.36	1,414.46	4.87	4.73	143.04	-181.36	-10.56	240.49	231.05	9.44	25.481			
1,500.00	1,496.28	1,519.59	1,518.07	5.08	4.96	146.07	-170.70	-14.48	239.30	229.45	9.85	24.292			
1,600.00	1,595.90	1,620.06	1,617.70	5.29	5.09	149.36	-158.51	-18.98	237.30	227.12	10.19	23.298			
1,700.00	1,695.52	1,719.10	1,715.88	5.50	5.28	152.67	-146.38	-23.45	236.01	225.42	10.59	22.291			
1,800.00	1,795.14	1,818.13	1,814.07	5.71	5.48	156.00	-134.25	-27.92	235.52	224.54	10.98	21.440			
1,809.65	1,804.75	1,827.69	1,823.55	5.73	5.50	156.32	-133.08	-28.35	235.52	224.50	11.02	21.366			
1,900.00	1,894.76	1,917.17	1,912.26	5.91	5.67	159.33	-122.12	-32.39	235.85	224.47	11.38	20.728			
2,000.00	1,994.38	2,016.21	2,010.45	6.11	5.87	162.64	-109.99	-36.86	236.99	225.22	11.77	20.138			
2,100.00	2,094.00	2,115.24	2,108.64	6.31	6.06	165.92	-97.86	-41.33	238.93	226.77	12.15	19.658			
2,200.00	2,193.62	2,214.28	2,206.83	6.52	6.25	169.13	-85.73	-45.80	241.64	229.10	12.55	19.259			
2,206.41	2,200.00	2,220.63	2,213.12	6.53	6.27	169.33	-84.96	-46.09	241.84	229.27	12.57	19.237			
2,300.00	2,293.13	2,313.24	2,304.95	6.73	6.45	172.28	-73.61	-50.27	246.25	233.31	12.94	19.029			
2,400.00	2,392.34	2,412.00	2,402.86	6.97	6.64	175.36	-61.52	-54.73	254.18	240.83	13.35	19.040			
2,500.00	2,491.20	2,510.48	2,500.49	7.20	6.83	178.26	-49.46	-59.18	265.42	251.67	13.76	19.292			
2,539.71	2,530.34	2,549.49	2,539.17	7.26	6.91	179.35	-44.68	-60.94	270.79	256.90	13.88	19.503			
2,600.00	2,589.72	2,608.68	2,597.86	7.35	7.02	-179.08	-37.43	-63.61	279.42	265.34	14.08	19.839			
2,700.00	2,688.20	2,706.85	2,695.19	7.56	7.21	-176.67	-25.40	-68.04	294.17	279.70	14.46	20.341			
2,800.00	2,786.68	2,805.03	2,792.53	7.76	7.40	-174.49	-13.38	-72.48	309.38	294.54	14.84	20.849			
2,900.00	2,885.16	2,903.20	2,889.86	7.97	7.59	-172.51	-1.35	-76.91	324.99	309.78	15.21	21.360			
3,000.00	2,983.64	3,001.38	2,987.20	8.18	7.78	-170.72	10.67	-81.34	340.95	325.36	15.59	21.868			
3,100.00	3,082.12	3,099.55	3,084.53	8.38	7.97	-169.09	22.69	-85.77	357.21	341.24	15.97	22.371			
3,200.00	3,180.60	3,197.73	3,181.87	8.59	8.17	-167.59	34.72	-90.21	373.73	357.38	16.34	22.867			
3,300.00	3,279.09	3,295.90	3,279.20	8.80	8.36	-166.23	46.74	-94.64	390.47	373.75	16.72	23.352			
3,400.00	3,377.57	3,394.08	3,376.54	9.00	8.55	-164.98	58.77	-99.07	407.42	390.32	17.10	23.828			
3,500.00	3,476.05	3,492.25	3,473.87	9.21	8.74	-163.82	70.79	-103.50	424.54	407.06	17.48	24.291			
3,600.00	3,574.53	3,590.43	3,571.21	9.42	8.93	-162.76	82.82	-107.94	441.82	423.96	17.86	24.743			
3,695.67	3,668.75	3,684.36	3,664.33	9.61	9.11	-161.82	94.32	-112.18	458.47	440.26	18.21	25.171			
3,700.00	3,673.01	3,688.61	3,668.54	9.62	9.12	-161.78	94.84	-112.37	459.23	441.00	18.23	25.194			
3,800.00	3,771.73	3,786.97	3,766.06	9.84	9.31	-160.89	106.89	-116.81	475.44	456.82	18.62	25.530			
3,900.00	3,870.82	3,885.63	3,863.88	10.06	9.50	-159.95	118.97	-121.26	489.34	470.34	19.01	25.742			
4,000.00	3,970.24	3,984.53	3,961.93	10.27	9.69	-158.95	131.08	-125.73	500.97	481.58	19.39	25.838			
4,100.00	4,069.90	4,083.59	4,060.15	10.47	9.88	-157.88	143.22	-130.20	510.35	490.59	19.76	25.830			
4,200.00	4,169.75	4,182.75	4,158.46	10.66	10.07	-156.73	155.36	-134.68	517.52	497.40	20.11	25.730			
4,300.00	4,269.70	4,281.94	4,256.80	10.84	10.27	-155.48	167.51	-139.16	522.53	502.08	20.45	25.549			
4,362.30	4,332.00	4,343.73	4,318.06	10.89	10.39	-98.58	175.08	-141.94	524.58	503.98	20.61	25.456			
4,400.00	4,369.70	4,381.10	4,355.11	10.91	10.46	-98.06	179.66	-143.63	525.61	504.92	20.68	25.411			
4,500.00	4,469.70	4,480.25	4,453.41	10.99	10.65	-96.69	191.80	-148.11	528.54	507.60	20.94	25.245			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
4,600.00	4,569.70	4,579.39	4,551.70	11.07	10.84	-95.33	203.94	-152.58	531.77	510.58	21.19	25.096		
4,700.00	4,669.70	4,678.53	4,650.00	11.16	11.04	-93.99	216.08	-157.06	535.30	513.86	21.45	24.961		
4,800.00	4,769.70	4,781.06	4,751.74	11.24	11.24	-92.71	227.88	-161.41	538.89	517.18	21.71	24.827		
4,900.00	4,869.70	4,885.17	4,855.37	11.32	11.45	-91.70	237.31	-164.88	541.89	519.93	21.96	24.677		
5,000.00	4,969.70	4,989.76	4,959.71	11.41	11.65	-90.97	244.10	-167.39	544.14	521.94	22.20	24.513		
5,100.00	5,069.70	5,094.67	5,064.52	11.49	11.84	-90.54	248.22	-168.91	545.54	523.12	22.42	24.335		
5,200.00	5,169.70	5,199.74	5,169.58	11.57	11.99	-90.39	249.64	-169.43	546.02	523.41	22.61	24.145		
5,300.00	5,269.70	5,299.86	5,269.70	11.66	12.08	-90.39	249.64	-169.43	546.02	523.24	22.78	23.965		
5,400.00	5,369.70	5,399.86	5,369.70	11.74	12.17	-90.39	249.64	-169.43	546.02	523.07	22.96	23.785		
5,500.00	5,469.70	5,499.86	5,469.70	11.82	12.26	-90.39	249.64	-169.43	546.02	522.89	23.13	23.609		
5,600.00	5,569.70	5,599.86	5,569.70	11.91	12.34	-90.39	249.64	-169.43	546.02	522.72	23.30	23.435		
5,700.00	5,669.70	5,699.86	5,669.70	11.99	12.43	-90.39	249.64	-169.43	546.02	522.55	23.47	23.264		
5,800.00	5,769.70	5,799.86	5,769.70	12.07	12.52	-90.39	249.64	-169.43	546.02	522.38	23.64	23.096		
5,900.00	5,869.70	5,899.86	5,869.70	12.16	12.61	-90.39	249.64	-169.43	546.02	522.21	23.81	22.930		
6,000.00	5,969.70	5,999.86	5,969.70	12.24	12.69	-90.39	249.64	-169.43	546.02	522.04	23.98	22.766		
6,100.00	6,069.70	6,099.86	6,069.70	12.32	12.78	-90.39	249.64	-169.43	546.02	521.87	24.15	22.605		
6,200.00	6,169.70	6,199.86	6,169.70	12.40	12.87	-90.39	249.64	-169.43	546.02	521.70	24.33	22.446		
6,300.00	6,269.70	6,299.86	6,269.70	12.49	12.95	-90.39	249.64	-169.43	546.02	521.53	24.50	22.290		
6,400.00	6,369.70	6,399.86	6,369.70	12.57	13.04	-90.39	249.64	-169.43	546.02	521.36	24.67	22.136		
6,500.00	6,469.70	6,499.86	6,469.70	12.65	13.13	-90.39	249.64	-169.43	546.02	521.19	24.84	21.984		
6,600.00	6,569.70	6,599.86	6,569.70	12.74	13.22	-90.39	249.64	-169.43	546.02	521.01	25.01	21.834		
6,700.00	6,669.70	6,699.86	6,669.70	12.82	13.30	-90.39	249.64	-169.43	546.02	520.84	25.18	21.686		
6,800.00	6,769.70	6,799.86	6,769.70	12.90	13.39	-90.39	249.64	-169.43	546.02	520.67	25.35	21.541		
6,900.00	6,869.70	6,899.86	6,869.70	12.99	13.48	-90.39	249.64	-169.43	546.02	520.50	25.52	21.397		
7,000.00	6,969.70	6,999.86	6,969.70	13.07	13.56	-90.39	249.64	-169.43	546.02	520.33	25.69	21.255		
7,100.00	7,069.70	7,099.86	7,069.70	13.15	13.65	-90.39	249.64	-169.43	546.02	520.16	25.86	21.116		
7,200.00	7,169.70	7,199.86	7,169.70	13.24	13.74	-90.39	249.64	-169.43	546.02	519.99	26.03	20.978		
7,300.00	7,269.70	7,299.86	7,269.70	13.32	13.82	-90.39	249.64	-169.43	546.02	519.82	26.20	20.842		
7,400.00	7,369.70	7,399.86	7,369.70	13.40	13.91	-90.39	249.64	-169.43	546.02	519.65	26.37	20.708		
7,500.00	7,469.70	7,499.86	7,469.70	13.48	14.00	-90.39	249.64	-169.43	546.02	519.49	26.54	20.576		
7,600.00	7,569.70	7,599.86	7,569.70	13.57	14.08	-90.39	249.64	-169.43	546.02	519.32	26.71	20.445		
7,700.00	7,669.70	7,699.86	7,669.70	13.65	14.17	-90.39	249.64	-169.43	546.02	519.15	26.88	20.316		
7,800.00	7,769.70	7,799.86	7,769.70	13.73	14.26	-90.39	249.64	-169.43	546.02	518.98	27.05	20.189		
7,900.00	7,869.70	7,899.86	7,869.70	13.82	14.34	-90.39	249.64	-169.43	546.02	518.81	27.21	20.063		
8,000.00	7,969.70	7,999.86	7,969.70	13.90	14.43	-90.39	249.64	-169.43	546.02	518.64	27.38	19.939		
8,100.00	8,069.70	8,099.86	8,069.70	13.98	14.51	-90.39	249.64	-169.43	546.02	518.47	27.55	19.817		
8,200.00	8,169.70	8,199.86	8,169.70	14.07	14.60	-90.39	249.64	-169.43	546.02	518.30	27.72	19.696		
8,300.00	8,269.70	8,299.86	8,269.70	14.15	14.69	-90.39	249.64	-169.43	546.02	518.13	27.89	19.577		
8,400.00	8,369.70	8,399.86	8,369.70	14.23	14.77	-90.39	249.64	-169.43	546.02	517.96	28.06	19.459		
8,500.00	8,469.70	8,499.86	8,469.70	14.31	14.86	-90.39	249.64	-169.43	546.02	517.79	28.23	19.343		
8,600.00	8,569.70	8,599.86	8,569.70	14.40	14.94	-90.39	249.64	-169.43	546.02	517.62	28.40	19.228		
8,700.00	8,669.70	8,699.86	8,669.70	14.48	15.03	-90.39	249.64	-169.43	546.02	517.46	28.57	19.114		
8,800.00	8,769.70	8,799.86	8,769.70	14.56	15.12	-90.39	249.64	-169.43	546.02	517.29	28.74	19.002		
8,900.00	8,869.70	8,899.86	8,869.70	14.65	15.20	-90.39	249.64	-169.43	546.02	517.12	28.90	18.891		
9,000.00	8,969.70	8,999.86	8,969.70	14.73	15.29	-90.39	249.64	-169.43	546.02	516.95	29.07	18.781		
9,100.00	9,069.70	9,099.86	9,069.70	14.81	15.37	-90.39	249.64	-169.43	546.02	516.78	29.24	18.673		
9,200.00	9,169.70	9,199.86	9,169.70	14.90	15.46	-90.39	249.64	-169.43	546.02	516.61	29.41	18.566		
9,300.00	9,269.70	9,299.86	9,269.70	14.98	15.54	-90.39	249.64	-169.43	546.02	516.44	29.58	18.461		
9,400.00	9,369.70	9,399.86	9,369.70	15.06	15.63	-90.39	249.64	-169.43	546.02	516.28	29.75	18.356		
9,500.00	9,469.70	9,499.86	9,469.70	15.14	15.71	-90.39	249.64	-169.43	546.02	516.11	29.91	18.253		
9,600.00	9,569.70	9,599.86	9,569.70	15.23	15.80	-90.39	249.64	-169.43	546.02	515.94	30.08	18.151		
9,700.00	9,669.70	9,699.86	9,669.70	15.31	15.89	-90.39	249.64	-169.43	546.02	515.77	30.25	18.050		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning	Offset Well Error: 0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
9,800.00	9,769.70	9,799.86	9,769.70	15.39	15.97	-90.39	249.64	-169.43	546.02	515.60	30.42	17.950		
9,900.00	9,869.70	9,899.86	9,869.70	15.48	16.06	-90.39	249.64	-169.43	546.02	515.44	30.59	17.852		
10,000.00	9,969.70	9,999.86	9,969.70	15.56	16.14	-90.39	249.64	-169.43	546.02	515.27	30.75	17.754		
10,100.00	10,069.70	10,099.86	10,069.70	15.64	16.23	-90.39	249.64	-169.43	546.02	515.10	30.92	17.658		
10,200.00	10,169.70	10,199.86	10,169.70	15.72	16.31	-90.39	249.64	-169.43	546.02	514.93	31.09	17.562		
10,300.00	10,269.70	10,299.86	10,269.70	15.81	16.40	-90.39	249.64	-169.43	546.02	514.76	31.26	17.468		
10,400.00	10,369.70	10,399.86	10,369.70	15.89	16.48	-90.39	249.64	-169.43	546.02	514.60	31.43	17.375		
10,500.00	10,469.70	10,499.86	10,469.70	15.97	16.57	-90.39	249.64	-169.43	546.02	514.43	31.59	17.283		
10,600.00	10,569.70	10,599.86	10,569.70	16.06	16.65	-90.39	249.64	-169.43	546.02	514.26	31.76	17.191		
10,700.00	10,669.70	10,699.86	10,669.70	16.14	16.74	-90.39	249.64	-169.43	546.02	514.09	31.93	17.101		
10,800.00	10,769.70	10,799.86	10,769.70	16.22	16.82	-90.39	249.64	-169.43	546.02	513.93	32.10	17.012		
10,900.00	10,869.70	10,899.86	10,869.70	16.30	16.91	-90.39	249.64	-169.43	546.02	513.76	32.26	16.924		
11,000.00	10,969.70	10,999.86	10,969.70	16.39	16.99	-90.39	249.64	-169.43	546.02	513.59	32.43	16.836		
11,100.00	11,069.70	11,099.86	11,069.70	16.47	17.08	-90.39	249.64	-169.43	546.02	513.42	32.60	16.747		
11,106.30	11,076.00	11,106.16	11,076.00	16.48	17.08	-90.39	249.64	-169.43	546.02	513.41	32.61	16.742		
11,150.00	11,119.65	11,149.82	11,119.65	16.50	17.12	90.28	249.64	-169.43	546.03	513.38	32.65	16.722		
11,200.00	11,169.28	11,199.44	11,169.28	16.52	17.16	90.89	249.64	-169.43	546.09	513.42	32.67	16.718		
11,250.00	11,218.19	11,248.36	11,218.19	16.54	17.20	91.92	249.64	-169.43	546.35	513.68	32.66	16.726		
11,300.00	11,266.03	11,296.19	11,266.03	16.57	17.24	93.30	249.64	-169.43	547.04	514.39	32.65	16.754		
11,350.00	11,312.42	11,342.58	11,312.42	16.60	17.28	94.96	249.64	-169.43	548.50	515.87	32.63	16.810		
11,400.00	11,357.00	11,387.17	11,357.00	16.63	17.32	96.79	249.64	-169.43	551.10	518.50	32.60	16.905		
11,450.00	11,399.45	11,429.62	11,399.45	16.67	17.36	98.68	249.64	-169.43	555.29	522.72	32.57	17.051		
11,500.00	11,439.44	11,469.60	11,439.44	16.71	17.39	100.51	249.64	-169.43	561.52	528.99	32.53	17.260		
11,550.00	11,476.66	11,506.82	11,476.66	16.75	17.42	102.14	249.64	-169.43	570.23	537.72	32.51	17.542		
11,600.00	11,510.83	11,541.00	11,510.83	16.80	17.45	103.47	249.64	-169.43	581.79	549.31	32.49	17.909		
11,650.00	11,541.70	11,571.86	11,541.70	16.85	17.47	104.37	249.64	-169.43	596.51	564.03	32.48	18.367		
11,700.00	11,569.01	11,616.60	11,586.41	16.91	17.48	106.15	248.54	-169.42	614.30	581.83	32.47	18.918		
11,750.00	11,592.58	11,676.78	11,646.17	16.99	17.50	108.81	241.68	-169.36	634.22	601.67	32.55	19.487		
11,800.00	11,612.22	11,750.64	11,718.02	17.07	17.51	112.07	224.76	-169.22	655.65	622.80	32.85	19.959		
11,850.00	11,627.77	11,847.05	11,807.45	17.17	17.52	116.29	189.05	-168.91	677.71	644.08	33.63	20.149		
11,900.00	11,639.12	11,982.02	11,919.95	17.28	17.53	121.72	115.05	-168.27	698.80	663.45	35.36	19.764		
11,950.00	11,646.19	12,179.98	12,046.60	17.41	17.53	127.65	-35.81	-166.97	715.84	677.41	38.42	18.630		
12,000.00	11,648.92	12,450.11	12,123.12	17.55	17.60	130.99	-292.26	-164.76	723.64	682.14	41.51	17.434		
12,001.28	11,648.94	12,457.60	12,123.47	17.56	17.60	131.00	-299.74	-164.70	723.68	682.12	41.55	17.416		
12,100.00	11,649.80	12,571.71	12,124.77	17.91	17.67	131.02	-413.84	-163.72	723.71	681.69	42.01	17.226		
12,200.00	11,650.68	12,671.71	12,125.64	18.35	17.76	131.02	-513.83	-162.86	723.70	681.21	42.49	17.031		
12,300.00	11,651.55	12,771.71	12,126.51	18.88	17.90	131.02	-613.82	-162.00	723.70	680.63	43.07	16.801		
12,400.00	11,652.43	12,871.71	12,127.38	19.49	18.13	131.02	-713.82	-161.13	723.70	679.94	43.75	16.540		
12,500.00	11,653.31	12,971.71	12,128.25	20.18	18.49	131.02	-813.81	-160.27	723.69	679.17	44.53	16.253		
12,600.00	11,654.18	13,071.71	12,129.13	20.94	19.01	131.02	-913.80	-159.41	723.69	678.30	45.39	15.945		
12,700.00	11,655.06	13,171.71	12,130.00	21.77	19.67	131.02	-1,013.79	-158.55	723.69	677.35	46.33	15.620		
12,800.00	11,655.94	13,271.71	12,130.87	22.65	20.43	131.02	-1,113.79	-157.69	723.68	676.33	47.36	15.282		
12,900.00	11,656.81	13,371.71	12,131.74	23.58	21.28	131.02	-1,213.78	-156.83	723.68	675.23	48.45	14.936		
13,000.00	11,657.69	13,471.71	12,132.61	24.56	22.19	131.02	-1,313.77	-155.97	723.68	674.06	49.62	14.584		
13,100.00	11,658.57	13,571.71	12,133.48	25.57	23.15	131.02	-1,413.76	-155.11	723.67	672.82	50.85	14.231		
13,200.00	11,659.44	13,671.71	12,134.35	26.62	24.16	131.02	-1,513.76	-154.25	723.67	671.53	52.14	13.879		
13,300.00	11,660.32	13,771.71	12,135.22	27.69	25.20	131.02	-1,613.75	-153.39	723.67	670.18	53.49	13.530		
13,400.00	11,661.19	13,871.71	12,136.10	28.80	26.27	131.02	-1,713.74	-152.52	723.66	668.78	54.89	13.185		
13,500.00	11,662.07	13,971.71	12,136.97	29.92	27.38	131.02	-1,813.73	-151.66	723.66	667.33	56.33	12.847		
13,600.00	11,662.95	14,071.71	12,137.84	31.07	28.50	131.02	-1,913.73	-150.80	723.66	665.84	57.82	12.516		
13,700.00	11,663.82	14,171.71	12,138.71	32.23	29.65	131.02	-2,013.72	-149.94	723.65	664.30	59.35	12.193		
13,800.00	11,664.70	14,271.71	12,139.58	33.41	30.82	131.01	-2,113.71	-149.08	723.65	662.73	60.92	11.879		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
19,100.00	11,711.15	19,571.71	12,185.76	102.97	100.33	131.00	-7,413.31	-103.45	723.47	559.20	164.27	4.404		
19,200.00	11,712.03	19,671.71	12,186.63	104.33	101.69	131.00	-7,513.31	-102.59	723.47	557.11	166.36	4.349		
19,300.00	11,712.90	19,771.71	12,187.50	105.68	103.04	131.00	-7,613.30	-101.73	723.46	555.02	168.44	4.295		
19,400.00	11,713.78	19,871.71	12,188.37	107.03	104.39	131.00	-7,713.29	-100.87	723.46	552.93	170.53	4.242		
19,500.00	11,714.66	19,971.71	12,189.24	108.39	105.75	131.00	-7,813.28	-100.01	723.46	550.83	172.62	4.191		
19,600.00	11,715.53	20,071.71	12,190.11	109.74	107.10	131.00	-7,913.28	-99.15	723.45	548.74	174.72	4.141		
19,700.00	11,716.41	20,171.71	12,190.98	111.10	108.46	131.00	-8,013.27	-98.28	723.45	546.64	176.81	4.092		
19,800.00	11,717.28	20,271.71	12,191.86	112.45	109.81	131.00	-8,113.26	-97.42	723.45	544.54	178.91	4.044		
19,900.00	11,718.16	20,371.71	12,192.73	113.81	111.17	131.00	-8,213.25	-96.56	723.44	542.44	181.00	3.997		
20,000.00	11,719.04	20,471.71	12,193.60	115.16	112.53	131.00	-8,313.25	-95.70	723.44	540.34	183.10	3.951		
20,100.00	11,719.91	20,571.71	12,194.47	116.52	113.88	131.00	-8,413.24	-94.84	723.44	538.24	185.20	3.906		
20,200.00	11,720.79	20,671.71	12,195.34	117.87	115.24	131.00	-8,513.23	-93.98	723.43	536.13	187.30	3.862		
20,300.00	11,721.67	20,771.71	12,196.21	119.23	116.60	130.99	-8,613.22	-93.12	723.43	534.03	189.40	3.820		
20,400.00	11,722.54	20,871.71	12,197.08	120.59	117.95	130.99	-8,713.22	-92.26	723.43	531.92	191.51	3.778		
20,500.00	11,723.42	20,971.71	12,197.95	121.95	119.31	130.99	-8,813.21	-91.40	723.42	529.81	193.61	3.737		
20,600.00	11,724.30	21,071.71	12,198.83	123.30	120.67	130.99	-8,913.20	-90.54	723.42	527.71	195.71	3.696		
20,700.00	11,725.17	21,171.71	12,199.70	124.66	122.03	130.99	-9,013.19	-89.68	723.42	525.60	197.82	3.657		
20,800.00	11,726.05	21,271.71	12,200.57	126.02	123.39	130.99	-9,113.19	-88.81	723.41	523.48	199.93	3.618		
20,900.00	11,726.93	21,371.71	12,201.44	127.38	124.75	130.99	-9,213.18	-87.95	723.41	521.37	202.04	3.581		
21,000.00	11,727.80	21,471.71	12,202.31	128.74	126.11	130.99	-9,313.17	-87.09	723.41	519.26	204.15	3.544		
21,100.00	11,728.68	21,571.71	12,203.18	130.09	127.46	130.99	-9,413.16	-86.23	723.40	517.15	206.26	3.507		
21,200.00	11,729.55	21,671.71	12,204.05	131.45	128.82	130.99	-9,513.16	-85.37	723.40	515.03	208.37	3.472		
21,300.00	11,730.43	21,771.71	12,204.93	132.81	130.18	130.99	-9,613.15	-84.51	723.40	512.92	210.48	3.437		
21,400.00	11,731.31	21,871.71	12,205.80	134.17	131.54	130.99	-9,713.14	-83.65	723.39	510.80	212.59	3.403		
21,500.00	11,732.18	21,971.71	12,206.67	135.53	132.90	130.99	-9,813.13	-82.79	723.39	508.68	214.71	3.369		
21,600.00	11,733.06	22,071.71	12,207.54	136.89	134.26	130.99	-9,913.13	-81.93	723.39	506.57	216.82	3.336		
21,700.00	11,733.94	22,171.71	12,208.41	138.25	135.63	130.99	-10,013.12	-81.07	723.38	504.45	218.94	3.304		
21,800.00	11,734.81	22,271.71	12,209.28	139.61	136.99	130.99	-10,113.11	-80.20	723.38	502.33	221.05	3.272		
21,900.00	11,735.69	22,371.71	12,210.15	140.97	138.35	130.99	-10,213.10	-79.34	723.38	500.21	223.17	3.241		
21,935.47	11,736.00	22,407.18	12,210.46	141.45	138.83	130.99	-10,248.57	-79.04	723.38	499.46	223.92	3.231	SF	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-25.00	0.00	25.00				
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-25.00	0.00	25.00	23.04	1.96	12.741	
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-25.00	0.00	25.00	21.88	3.12	8.007	
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-25.00	0.00	25.00	21.04	3.96	6.309	
400.00	399.99	400.15	400.14	2.41	2.41	123.50	-24.69	1.27	25.42	20.73	4.69	5.425	
500.00	499.91	500.30	500.21	2.79	2.78	122.30	-23.74	5.10	26.68	21.37	5.31	5.025	
600.00	599.69	600.41	600.10	3.12	3.12	120.54	-22.17	11.46	28.80	22.93	5.87	4.905	
633.33	632.91	633.78	633.35	3.15	3.15	119.86	-21.51	14.15	29.70	23.78	5.92	5.015	
700.00	699.32	700.41	699.74	3.26	3.25	118.62	-20.12	19.79	31.61	25.48	6.13	5.157	
800.00	798.94	800.37	799.31	3.51	3.50	117.01	-18.04	28.25	34.51	27.88	6.63	5.206	
900.00	898.56	900.32	898.88	3.75	3.74	115.65	-15.95	36.71	37.42	30.32	7.10	5.269	
1,000.00	998.18	1,000.28	998.46	3.98	3.97	114.48	-13.86	45.16	40.36	32.80	7.56	5.339	
1,100.00	1,097.80	1,100.23	1,098.03	4.21	4.20	113.48	-11.78	53.62	43.31	35.31	8.00	5.414	
1,200.00	1,197.42	1,200.18	1,197.60	4.44	4.42	112.60	-9.69	62.08	46.27	37.84	8.43	5.491	
1,300.00	1,297.04	1,300.14	1,297.18	4.66	4.64	111.83	-7.61	70.54	49.24	40.40	8.84	5.569	
1,400.00	1,396.66	1,400.09	1,396.75	4.87	4.86	111.15	-5.52	79.00	52.22	42.97	9.25	5.648	
1,500.00	1,496.28	1,500.04	1,496.32	5.08	5.07	110.54	-3.44	87.46	55.20	45.56	9.64	5.725	
1,600.00	1,595.90	1,600.00	1,595.90	5.29	5.28	109.99	-1.35	95.91	58.19	48.16	10.03	5.802	
1,700.00	1,695.52	1,699.95	1,695.47	5.50	5.48	109.50	0.73	104.37	61.18	50.77	10.41	5.877	
1,800.00	1,795.14	1,799.91	1,795.04	5.71	5.69	109.05	2.82	112.83	64.18	53.40	10.79	5.951	
1,900.00	1,894.76	1,899.86	1,894.62	5.91	5.89	108.64	4.90	121.29	67.19	56.03	11.15	6.023	
2,000.00	1,994.38	1,999.81	1,994.19	6.11	6.09	108.27	6.99	129.75	70.19	58.67	11.52	6.094	
2,100.00	2,094.00	2,099.77	2,093.76	6.31	6.29	107.93	9.07	138.20	73.20	61.32	11.88	6.162	
2,200.00	2,193.62	2,199.72	2,193.34	6.52	6.50	107.61	11.16	146.66	76.21	63.95	12.26	6.218	
2,206.41	2,200.00	2,206.13	2,199.72	6.53	6.51	107.59	11.29	147.21	76.40	64.12	12.28	6.221	
2,300.00	2,293.13	2,299.58	2,292.70	6.73	6.71	107.25	13.51	156.21	79.62	67.02	12.60	6.319	
2,400.00	2,392.34	2,399.37	2,391.72	6.97	6.95	106.82	16.49	168.26	83.93	70.94	12.98	6.465	
2,500.00	2,491.20	2,499.11	2,490.32	7.20	7.18	106.36	20.07	182.82	89.13	75.75	13.38	6.660	
2,539.71	2,530.34	2,538.69	2,529.34	7.26	7.27	106.17	21.67	189.28	91.45	77.93	13.52	6.763	
2,600.00	2,589.72	2,598.76	2,588.42	7.35	7.41	105.65	24.27	199.85	95.11	81.37	13.75	6.919	
2,700.00	2,688.20	2,698.28	2,685.89	7.56	7.64	103.71	29.07	219.33	101.40	87.22	14.18	7.152	
2,800.00	2,786.68	2,797.53	2,782.55	7.76	7.88	100.64	34.47	241.21	108.17	93.55	14.62	7.398	
2,900.00	2,885.16	2,896.54	2,878.37	7.97	8.06	96.73	40.43	265.39	115.76	100.72	15.04	7.696	
3,000.00	2,983.64	2,995.89	2,974.33	8.18	8.27	92.97	46.58	290.36	124.04	108.52	15.52	7.993	
3,100.00	3,082.12	3,095.23	3,070.29	8.38	8.48	89.69	52.74	315.33	132.79	116.79	16.01	8.296	
3,200.00	3,180.60	3,194.58	3,166.25	8.59	8.69	86.82	58.89	340.30	141.92	125.43	16.50	8.603	
3,300.00	3,279.09	3,293.93	3,262.21	8.80	8.92	84.30	65.05	365.27	151.36	134.37	16.99	8.909	
3,400.00	3,377.57	3,393.27	3,358.17	9.00	9.15	82.07	71.20	390.24	161.06	143.58	17.49	9.211	
3,500.00	3,476.05	3,492.62	3,454.13	9.21	9.40	80.11	77.36	415.21	170.97	152.99	17.98	9.509	
3,600.00	3,574.53	3,591.96	3,550.09	9.42	9.68	78.36	83.51	440.18	181.06	162.59	18.47	9.800	
3,695.67	3,668.75	3,687.01	3,641.89	9.61	9.96	76.86	89.40	464.07	190.86	171.91	18.94	10.075	
3,700.00	3,673.01	3,691.31	3,646.04	9.62	9.97	76.80	89.67	465.15	191.30	172.34	18.96	10.089	
3,800.00	3,771.73	3,790.54	3,741.89	9.84	10.27	75.16	95.82	490.09	202.03	182.58	19.44	10.390	
3,900.00	3,870.82	3,889.51	3,837.49	10.06	10.58	73.05	101.95	514.97	213.68	193.78	19.90	10.735	
4,000.00	3,970.24	3,988.16	3,932.77	10.27	10.89	70.56	108.06	539.76	226.50	206.16	20.34	11.137	
4,100.00	4,069.90	4,086.41	4,027.67	10.47	11.20	67.81	114.15	564.46	240.73	219.97	20.75	11.600	
4,200.00	4,169.75	4,184.20	4,122.13	10.66	11.52	64.89	120.21	589.04	256.61	235.47	21.14	12.137	
4,300.00	4,269.70	4,281.46	4,216.08	10.84	11.83	61.89	126.23	613.49	274.39	252.87	21.51	12.755	
4,362.30	4,332.00	4,341.76	4,274.32	10.89	12.02	116.08	129.97	628.64	286.51	264.80	21.71	13.200	
4,400.00	4,369.70	4,378.17	4,309.49	10.91	12.14	114.88	132.22	637.80	294.16	272.35	21.81	13.488	
4,500.00	4,469.70	4,474.76	4,402.79	10.99	12.46	111.96	138.21	662.07	315.03	292.90	22.13	14.236	
4,600.00	4,569.70	4,571.35	4,496.09	11.07	12.77	109.41	144.19	686.35	336.59	314.14	22.45	14.994	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)														Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
9,900.00	9,869.70	10,002.16	9,869.70	15.48	20.90	89.61	258.62	1,150.57	774.01	740.47	33.54	23.080			
10,000.00	9,969.70	10,102.16	9,969.70	15.56	20.96	89.61	258.62	1,150.57	774.01	740.33	33.68	22.984			
10,100.00	10,069.70	10,202.16	10,069.70	15.64	21.01	89.61	258.62	1,150.57	774.01	740.19	33.82	22.889			
10,200.00	10,169.70	10,302.16	10,169.70	15.72	21.07	89.61	258.62	1,150.57	774.01	740.05	33.96	22.795			
10,300.00	10,269.70	10,402.16	10,269.70	15.81	21.13	89.61	258.62	1,150.57	774.01	739.91	34.10	22.701			
10,400.00	10,369.70	10,502.16	10,369.70	15.89	21.18	89.61	258.62	1,150.57	774.01	739.77	34.24	22.608			
10,500.00	10,469.70	10,602.16	10,469.70	15.97	21.24	89.61	258.62	1,150.57	774.01	739.63	34.38	22.516			
10,600.00	10,569.70	10,702.16	10,569.70	16.06	21.30	89.61	258.62	1,150.57	774.01	739.49	34.52	22.424			
10,700.00	10,669.70	10,802.16	10,669.70	16.14	21.35	89.61	258.62	1,150.57	774.01	739.35	34.66	22.333			
10,800.00	10,769.70	10,902.16	10,769.70	16.22	21.41	89.61	258.62	1,150.57	774.01	739.21	34.80	22.243			
10,900.00	10,869.70	11,002.16	10,869.70	16.30	21.47	89.61	258.62	1,150.57	774.01	739.07	34.94	22.153			
11,000.00	10,969.70	11,102.16	10,969.70	16.39	21.53	89.61	258.62	1,150.57	774.01	738.93	35.08	22.064			
11,100.00	11,069.70	11,202.16	11,069.70	16.47	21.59	89.61	258.62	1,150.57	774.01	738.78	35.23	21.973			
11,106.30	11,076.00	11,208.47	11,076.00	16.48	21.59	89.61	258.62	1,150.57	774.01	738.77	35.24	21.967			
11,146.26	11,115.93	11,248.39	11,115.93	16.50	21.61	-90.00	258.62	1,150.57	774.01	738.75	35.26	21.951			
11,150.00	11,119.65	11,252.12	11,119.65	16.50	21.61	-90.02	258.62	1,150.57	774.01	738.74	35.26	21.950			
11,200.00	11,169.28	11,301.75	11,169.28	16.52	21.64	-90.46	258.62	1,150.57	774.03	738.77	35.26	21.950			
11,250.00	11,218.19	11,350.66	11,218.19	16.54	21.67	-91.19	258.62	1,150.57	774.18	738.93	35.25	21.962			
11,300.00	11,266.03	11,398.50	11,266.03	16.57	21.70	-92.17	258.62	1,150.57	774.63	739.40	35.23	21.987			
11,350.00	11,312.42	11,444.88	11,312.42	16.60	21.73	-93.34	258.62	1,150.57	775.60	740.39	35.21	22.029			
11,400.00	11,357.00	11,489.47	11,357.00	16.63	21.75	-94.65	258.62	1,150.57	777.37	742.18	35.19	22.092			
11,450.00	11,399.45	11,531.92	11,399.45	16.67	21.78	-96.00	258.62	1,150.57	780.27	745.09	35.18	22.179			
11,500.00	11,439.44	11,571.91	11,439.44	16.71	21.80	-97.32	258.62	1,150.57	784.62	749.43	35.19	22.294			
11,550.00	11,476.66	11,609.13	11,476.66	16.75	21.82	-98.51	258.62	1,150.57	790.78	755.54	35.24	22.440			
11,600.00	11,510.83	11,643.30	11,510.83	16.80	21.84	-99.48	258.62	1,150.57	799.05	763.72	35.32	22.622			
11,650.00	11,541.70	11,674.16	11,541.70	16.85	21.86	-100.15	258.62	1,150.57	809.71	774.26	35.45	22.841			
11,700.00	11,569.01	11,715.77	11,569.01	16.91	21.87	-101.28	257.87	1,150.58	822.84	787.24	35.60	23.114			
11,750.00	11,592.58	11,774.46	11,592.58	16.99	21.91	-103.19	251.88	1,150.63	837.84	802.05	35.78	23.414			
11,800.00	11,612.22	11,846.28	11,612.22	17.07	21.95	-105.57	236.48	1,150.76	854.27	818.20	36.07	23.685			
11,850.00	11,627.77	11,939.88	11,627.77	17.17	21.98	-108.75	203.49	1,151.04	871.53	834.98	36.55	23.842			
11,900.00	11,639.12	12,036.04	11,639.12	17.28	22.02	-111.54	154.89	1,151.46	888.39	851.17	37.22	23.867			
11,950.00	11,646.19	12,232.86	11,646.19	17.41	22.17	-117.31	16.96	1,152.65	902.42	863.76	38.67	23.339			
12,000.00	11,648.92	12,540.09	11,648.92	17.55	22.89	-121.62	-267.99	1,155.11	909.56	869.52	40.05	22.713			
12,001.28	11,648.94	12,547.79	11,648.94	17.56	22.92	-121.64	-275.67	1,155.17	909.61	869.56	40.05	22.712			
12,100.00	11,649.80	12,674.60	11,649.80	17.91	23.44	-121.70	-402.44	1,156.26	909.69	869.27	40.43	22.502			
12,200.00	11,650.68	12,774.60	11,650.68	18.35	23.93	-121.70	-502.44	1,157.13	909.69	868.72	40.97	22.203			
12,300.00	11,651.55	12,874.60	11,651.55	18.88	24.47	-121.70	-602.43	1,157.99	909.69	868.04	41.64	21.844			
12,400.00	11,652.43	12,974.60	11,652.43	19.49	25.06	-121.70	-702.42	1,158.85	909.69	867.25	42.44	21.434			
12,500.00	11,653.31	13,074.60	11,653.31	20.18	25.70	-121.70	-802.41	1,159.71	909.68	866.33	43.35	20.983			
12,600.00	11,654.18	13,174.60	11,654.18	20.94	26.38	-121.69	-902.41	1,160.57	909.68	865.31	44.37	20.501			
12,700.00	11,655.06	13,274.60	11,655.06	21.77	27.11	-121.69	-1,002.40	1,161.43	909.68	864.18	45.50	19.995			
12,800.00	11,655.94	13,374.60	11,655.94	22.65	27.88	-121.69	-1,102.39	1,162.29	909.68	862.96	46.71	19.474			
12,900.00	11,656.81	13,474.60	11,656.81	23.58	28.69	-121.69	-1,202.38	1,163.15	909.67	861.66	48.01	18.946			
13,000.00	11,657.69	13,574.60	11,657.69	24.56	29.53	-121.69	-1,302.38	1,164.02	909.67	860.27	49.40	18.415			
13,100.00	11,658.57	13,674.60	11,658.57	25.57	30.41	-121.69	-1,402.37	1,164.88	909.67	858.82	50.85	17.888			
13,200.00	11,659.44	13,774.60	11,659.44	26.62	31.32	-121.69	-1,502.36	1,165.74	909.67	857.29	52.38	17.367			
13,300.00	11,660.32	13,874.60	11,660.32	27.69	32.26	-121.69	-1,602.35	1,166.60	909.67	855.70	53.96	16.857			
13,400.00	11,661.19	13,974.60	11,661.19	28.80	33.22	-121.69	-1,702.35	1,167.46	909.66	854.06	55.61	16.359			
13,500.00	11,662.07	14,074.60	11,662.07	29.92	34.21	-121.69	-1,802.34	1,168.32	909.66	852.36	57.30	15.876			
13,600.00	11,662.95	14,174.60	11,662.95	31.07	35.23	-121.69	-1,902.33	1,169.18	909.66	850.62	59.04	15.407			
13,700.00	11,663.82	14,274.60	11,663.82	32.23	36.26	-121.69	-2,002.32	1,170.04	909.66	848.83	60.82	14.956			
13,800.00	11,664.70	14,374.60	11,664.70	33.41	37.32	-121.69	-2,102.32	1,170.91	909.65	847.01	62.65	14.520			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
13,900.00	11,665.58	14,474.60	12,143.44	34.61	38.40	-121.69	-2,202.31	1,171.77	909.65	845.15	64.51	14.102
14,000.00	11,666.45	14,574.60	12,144.31	35.81	39.49	-121.69	-2,302.30	1,172.63	909.65	843.25	66.40	13.700
14,100.00	11,667.33	14,674.60	12,145.18	37.03	40.60	-121.69	-2,402.29	1,173.49	909.65	841.33	68.32	13.314
14,200.00	11,668.21	14,774.60	12,146.05	38.26	41.72	-121.69	-2,502.29	1,174.35	909.65	839.37	70.27	12.945
14,300.00	11,669.08	14,874.60	12,146.92	39.50	42.86	-121.69	-2,602.28	1,175.21	909.64	837.39	72.25	12.590
14,400.00	11,669.96	14,974.60	12,147.80	40.75	44.01	-121.69	-2,702.27	1,176.07	909.64	835.39	74.25	12.251
14,500.00	11,670.84	15,074.60	12,148.67	42.00	45.17	-121.69	-2,802.26	1,176.93	909.64	833.37	76.27	11.926
14,600.00	11,671.71	15,174.60	12,149.54	43.27	46.35	-121.69	-2,902.26	1,177.80	909.64	831.32	78.31	11.616
14,700.00	11,672.59	15,274.60	12,150.41	44.53	47.53	-121.69	-3,002.25	1,178.66	909.63	829.26	80.37	11.318
14,800.00	11,673.46	15,374.60	12,151.28	45.81	48.72	-121.69	-3,102.24	1,179.52	909.63	827.18	82.45	11.033
14,900.00	11,674.34	15,474.60	12,152.15	47.09	49.93	-121.69	-3,202.23	1,180.38	909.63	825.09	84.54	10.759
15,000.00	11,675.22	15,574.60	12,153.02	48.37	51.14	-121.69	-3,302.23	1,181.24	909.63	822.98	86.65	10.498
15,100.00	11,676.09	15,674.60	12,153.90	49.66	52.36	-121.69	-3,402.22	1,182.10	909.62	820.85	88.77	10.247
15,200.00	11,676.97	15,774.60	12,154.77	50.96	53.58	-121.69	-3,502.21	1,182.96	909.62	818.72	90.91	10.006
15,300.00	11,677.85	15,874.60	12,155.64	52.26	54.81	-121.69	-3,602.20	1,183.83	909.62	816.57	93.05	9.775
15,400.00	11,678.72	15,974.60	12,156.51	53.56	56.05	-121.69	-3,702.20	1,184.69	909.62	814.41	95.21	9.554
15,500.00	11,679.60	16,074.60	12,157.38	54.86	57.30	-121.69	-3,802.19	1,185.55	909.62	812.24	97.38	9.341
15,600.00	11,680.48	16,174.60	12,158.25	56.17	58.55	-121.69	-3,902.18	1,186.41	909.61	810.06	99.55	9.137
15,700.00	11,681.35	16,274.60	12,159.13	57.48	59.80	-121.69	-4,002.17	1,187.27	909.61	807.87	101.74	8.940
15,800.00	11,682.23	16,374.60	12,160.00	58.79	61.06	-121.69	-4,102.17	1,188.13	909.61	805.67	103.94	8.752
15,900.00	11,683.10	16,474.60	12,160.87	60.11	62.33	-121.69	-4,202.16	1,188.99	909.61	803.47	106.14	8.570
16,000.00	11,683.98	16,574.60	12,161.74	61.43	63.59	-121.69	-4,302.15	1,189.85	909.60	801.26	108.35	8.395
16,100.00	11,684.86	16,674.60	12,162.61	62.75	64.87	-121.69	-4,402.14	1,190.72	909.60	799.04	110.57	8.227
16,200.00	11,685.73	16,774.60	12,163.48	64.07	66.14	-121.69	-4,502.14	1,191.58	909.60	796.81	112.79	8.065
16,300.00	11,686.61	16,874.60	12,164.36	65.40	67.43	-121.68	-4,602.13	1,192.44	909.60	794.58	115.02	7.908
16,400.00	11,687.49	16,974.60	12,165.23	66.72	68.71	-121.68	-4,702.12	1,193.30	909.60	792.34	117.26	7.757
16,500.00	11,688.36	17,074.60	12,166.10	68.05	70.00	-121.68	-4,802.11	1,194.16	909.59	790.10	119.50	7.612
16,600.00	11,689.24	17,174.60	12,166.97	69.38	71.29	-121.68	-4,902.11	1,195.02	909.59	787.85	121.74	7.471
16,700.00	11,690.12	17,274.60	12,167.84	70.71	72.58	-121.68	-5,002.10	1,195.88	909.59	785.59	124.00	7.336
16,800.00	11,690.99	17,374.60	12,168.71	72.05	73.88	-121.68	-5,102.09	1,196.74	909.59	783.34	126.25	7.205
16,900.00	11,691.87	17,474.60	12,169.59	73.38	75.17	-121.68	-5,202.08	1,197.61	909.58	781.07	128.51	7.078
17,000.00	11,692.75	17,574.60	12,170.46	74.72	76.48	-121.68	-5,302.08	1,198.47	909.58	778.81	130.78	6.955
17,100.00	11,693.62	17,674.60	12,171.33	76.05	77.78	-121.68	-5,402.07	1,199.33	909.58	776.53	133.05	6.837
17,200.00	11,694.50	17,774.60	12,172.20	77.39	79.08	-121.68	-5,502.06	1,200.19	909.58	774.26	135.32	6.722
17,300.00	11,695.37	17,874.60	12,173.07	78.73	80.39	-121.68	-5,602.05	1,201.05	909.58	771.98	137.60	6.611
17,400.00	11,696.25	17,974.60	12,173.94	80.07	81.70	-121.68	-5,702.05	1,201.91	909.57	769.70	139.87	6.503
17,500.00	11,697.13	18,074.60	12,174.82	81.41	83.01	-121.68	-5,802.04	1,202.77	909.57	767.41	142.16	6.398
17,600.00	11,698.00	18,174.60	12,175.69	82.75	84.33	-121.68	-5,902.03	1,203.63	909.57	765.12	144.44	6.297
17,700.00	11,698.88	18,274.60	12,176.56	84.10	85.64	-121.68	-6,002.02	1,204.50	909.57	762.83	146.73	6.199
17,800.00	11,699.76	18,374.60	12,177.43	85.44	86.96	-121.68	-6,102.02	1,205.36	909.56	760.54	149.03	6.103
17,900.00	11,700.63	18,474.60	12,178.30	86.79	88.28	-121.68	-6,202.01	1,206.22	909.56	758.24	151.32	6.011
18,000.00	11,701.51	18,574.60	12,179.17	88.13	89.60	-121.68	-6,302.00	1,207.08	909.56	755.94	153.62	5.921
18,100.00	11,702.39	18,674.60	12,180.05	89.48	90.92	-121.68	-6,401.99	1,207.94	909.56	753.64	155.92	5.834
18,200.00	11,703.26	18,774.60	12,180.92	90.83	92.24	-121.68	-6,501.99	1,208.80	909.56	751.34	158.22	5.749
18,300.00	11,704.14	18,874.60	12,181.79	92.17	93.57	-121.68	-6,601.98	1,209.66	909.55	749.03	160.52	5.666
18,400.00	11,705.02	18,974.60	12,182.66	93.52	94.89	-121.68	-6,701.97	1,210.53	909.55	746.72	162.83	5.586
18,500.00	11,705.89	19,074.60	12,183.53	94.87	96.22	-121.68	-6,801.96	1,211.39	909.55	744.41	165.14	5.508
18,600.00	11,706.77	19,174.60	12,184.40	96.22	97.55	-121.68	-6,901.96	1,212.25	909.55	742.10	167.45	5.432
18,700.00	11,707.64	19,274.60	12,185.27	97.57	98.88	-121.68	-7,001.95	1,213.11	909.54	739.78	169.76	5.358
18,800.00	11,708.52	19,374.60	12,186.15	98.92	100.21	-121.68	-7,101.94	1,213.97	909.54	737.47	172.08	5.286
18,900.00	11,709.40	19,474.60	12,187.02	100.27	101.54	-121.68	-7,201.93	1,214.83	909.54	735.15	174.39	5.216
19,000.00	11,710.27	19,574.60	12,187.89	101.62	102.87	-121.68	-7,301.93	1,215.69	909.54	732.83	176.71	5.147

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)												Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Ellipses (usft)	Separation Factor			
19,100.00	11,711.15	19,674.60	12,188.76	102.97	104.21	-121.68	-7,401.92	1,216.55	909.54	730.51	179.03	5.080	
19,200.00	11,712.03	19,774.60	12,189.63	104.33	105.54	-121.68	-7,501.91	1,217.42	909.53	728.18	181.35	5.015	
19,300.00	11,712.90	19,874.60	12,190.50	105.68	106.87	-121.68	-7,601.90	1,218.28	909.53	725.86	183.67	4.952	
19,400.00	11,713.78	19,974.60	12,191.38	107.03	108.21	-121.68	-7,701.90	1,219.14	909.53	723.53	186.00	4.890	
19,500.00	11,714.66	20,074.60	12,192.25	108.39	109.55	-121.68	-7,801.89	1,220.00	909.53	721.20	188.32	4.830	
19,600.00	11,715.53	20,174.60	12,193.12	109.74	110.89	-121.68	-7,901.88	1,220.86	909.52	718.88	190.65	4.771	
19,700.00	11,716.41	20,274.60	12,193.99	111.10	112.22	-121.68	-8,001.87	1,221.72	909.52	716.55	192.98	4.713	
19,800.00	11,717.28	20,374.60	12,194.86	112.45	113.56	-121.68	-8,101.87	1,222.58	909.52	714.21	195.31	4.657	
19,900.00	11,718.16	20,474.60	12,195.73	113.81	114.90	-121.68	-8,201.86	1,223.44	909.52	711.88	197.64	4.602	
20,000.00	11,719.04	20,574.60	12,196.61	115.16	116.24	-121.67	-8,301.85	1,224.31	909.51	709.55	199.97	4.548	
20,100.00	11,719.91	20,674.60	12,197.48	116.52	117.59	-121.67	-8,401.84	1,225.17	909.51	707.21	202.30	4.496	
20,200.00	11,720.79	20,774.60	12,198.35	117.87	118.93	-121.67	-8,501.84	1,226.03	909.51	704.88	204.63	4.445	
20,300.00	11,721.67	20,874.60	12,199.22	119.23	120.27	-121.67	-8,601.83	1,226.89	909.51	702.54	206.97	4.394	
20,400.00	11,722.54	20,974.60	12,200.09	120.59	121.61	-121.67	-8,701.82	1,227.75	909.51	700.20	209.30	4.345	
20,500.00	11,723.42	21,074.60	12,200.96	121.95	122.96	-121.67	-8,801.81	1,228.61	909.50	697.86	211.64	4.297	
20,600.00	11,724.30	21,174.60	12,201.84	123.30	124.30	-121.67	-8,901.81	1,229.47	909.50	695.52	213.98	4.250	
20,700.00	11,725.17	21,274.60	12,202.71	124.66	125.65	-121.67	-9,001.80	1,230.33	909.50	693.18	216.32	4.204	
20,800.00	11,726.05	21,374.60	12,203.58	126.02	126.99	-121.67	-9,101.79	1,231.20	909.50	690.84	218.66	4.159	
20,900.00	11,726.93	21,474.60	12,204.45	127.38	128.34	-121.67	-9,201.78	1,232.06	909.49	688.50	221.00	4.115	
21,000.00	11,727.80	21,574.60	12,205.32	128.74	129.68	-121.67	-9,301.78	1,232.92	909.49	686.15	223.34	4.072	
21,100.00	11,728.68	21,674.60	12,206.19	130.09	131.03	-121.67	-9,401.77	1,233.78	909.49	683.81	225.68	4.030	
21,200.00	11,729.55	21,774.60	12,207.07	131.45	132.38	-121.67	-9,501.76	1,234.64	909.49	681.46	228.02	3.989	
21,300.00	11,730.43	21,874.60	12,207.94	132.81	133.73	-121.67	-9,601.75	1,235.50	909.49	679.12	230.37	3.948	
21,400.00	11,731.31	21,974.60	12,208.81	134.17	135.07	-121.67	-9,701.75	1,236.36	909.48	676.77	232.71	3.908	
21,500.00	11,732.18	22,074.60	12,209.68	135.53	136.42	-121.67	-9,801.74	1,237.23	909.48	674.42	235.06	3.869	
21,600.00	11,733.06	22,174.60	12,210.55	136.89	137.77	-121.67	-9,901.73	1,238.09	909.48	672.08	237.40	3.831	
21,700.00	11,733.94	22,274.60	12,211.42	138.25	139.12	-121.67	-10,001.72	1,238.95	909.48	669.73	239.75	3.793	
21,800.00	11,734.81	22,374.60	12,212.29	139.61	140.47	-121.67	-10,101.71	1,239.81	909.47	667.38	242.10	3.757	
21,900.00	11,735.69	22,474.60	12,213.17	140.97	141.82	-121.67	-10,201.71	1,240.67	909.47	665.03	244.44	3.721	
21,935.47	11,736.00	22,510.07	12,213.48	141.45	142.30	-121.67	-10,237.17	1,240.98	909.47	664.19	245.28	3.708	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

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

Rule Assigned:

Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-185.00	0.00	185.00	183.03	1.97	94.021	CC, ES
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-185.00	0.00	185.00	181.87	3.13	59.173	
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-185.00	0.00	185.00	181.03	3.97	46.649	
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-185.00	0.00	185.00	181.05	4.69	39.624	
400.00	399.99	400.99	400.99	2.41	2.33	124.26	-185.00	0.00	185.73	181.05	4.69	39.624	
500.00	499.91	500.93	500.93	2.79	2.64	125.22	-185.00	0.00	187.97	182.65	5.32	35.333	
600.00	599.69	602.56	602.55	3.12	2.98	127.18	-184.43	-1.25	191.33	185.42	5.91	32.378	
633.33	632.91	636.32	636.29	3.15	3.09	128.12	-183.99	-2.21	192.65	186.62	6.03	31.964	
700.00	699.32	703.65	703.55	3.26	3.30	130.30	-182.75	-4.94	195.36	189.05	6.31	30.955	
800.00	798.94	804.20	803.88	3.51	3.58	134.04	-179.99	-11.02	199.37	192.56	6.81	29.296	
900.00	898.56	903.42	902.73	3.75	3.71	138.11	-176.45	-18.79	203.82	196.64	7.18	28.393	
1,000.00	998.18	1,002.26	1,001.19	3.98	3.93	142.01	-172.88	-26.63	209.26	201.62	7.64	27.379	
1,100.00	1,097.80	1,101.10	1,099.66	4.21	4.14	145.70	-169.31	-34.47	215.63	207.54	8.09	26.641	
1,200.00	1,197.42	1,199.95	1,198.13	4.44	4.36	149.16	-165.74	-42.31	222.85	214.32	8.54	26.102	
1,300.00	1,297.04	1,298.35	1,296.04	4.66	4.60	152.69	-161.69	-51.22	230.94	221.98	8.96	25.761	
1,400.00	1,396.66	1,395.95	1,392.87	4.87	4.85	156.53	-156.64	-62.33	240.21	230.82	9.39	25.569	
1,500.00	1,496.28	1,492.63	1,488.45	5.08	5.09	160.60	-150.62	-75.54	251.04	241.21	9.82	25.551	
1,600.00	1,595.90	1,588.28	1,582.62	5.29	5.32	164.79	-143.69	-90.78	263.77	253.51	10.26	25.717	
1,700.00	1,695.52	1,684.06	1,676.54	5.50	5.47	168.99	-135.90	-107.90	278.61	267.98	10.63	26.222	
1,800.00	1,795.14	1,780.77	1,771.31	5.71	5.66	172.86	-127.91	-125.44	294.97	283.91	11.05	26.688	
1,900.00	1,894.76	1,877.48	1,866.08	5.91	5.86	176.33	-119.93	-142.98	312.54	301.06	11.48	27.215	
2,000.00	1,994.38	1,974.19	1,960.85	6.11	6.06	179.42	-111.95	-160.52	331.14	319.23	11.91	27.801	
2,100.00	2,094.00	2,070.90	2,055.62	6.31	6.26	-177.81	-103.96	-178.06	350.60	338.27	12.33	28.428	
2,200.00	2,193.62	2,167.62	2,150.40	6.52	6.46	-175.33	-95.98	-195.61	370.78	358.02	12.76	29.057	
2,206.41	2,200.00	2,173.81	2,156.47	6.53	6.48	-175.18	-95.47	-196.73	372.10	359.31	12.79	29.098	
2,300.00	2,293.13	2,264.10	2,244.95	6.73	6.67	-173.09	-88.01	-213.11	392.69	379.50	13.19	29.772	
2,400.00	2,392.34	2,360.03	2,338.95	6.97	6.88	-171.11	-80.09	-230.51	417.61	403.98	13.63	30.633	
2,500.00	2,491.20	2,455.33	2,432.34	7.20	7.09	-169.40	-72.23	-247.79	445.41	431.33	14.07	31.651	
2,539.71	2,530.34	2,492.99	2,469.24	7.26	7.18	-168.78	-69.12	-254.62	457.21	443.00	14.21	32.168	
2,600.00	2,589.72	2,550.08	2,525.19	7.35	7.32	-167.96	-64.40	-264.98	475.51	461.08	14.43	32.943	
2,700.00	2,688.20	2,644.77	2,617.98	7.56	7.55	-166.73	-56.59	-282.16	506.04	491.20	14.84	34.092	
2,800.00	2,786.68	2,739.47	2,710.78	7.76	7.79	-165.64	-48.77	-299.33	536.75	521.51	15.25	35.199	
2,900.00	2,885.16	2,834.16	2,803.57	7.97	8.03	-164.67	-40.95	-316.51	567.63	551.97	15.66	36.250	
3,000.00	2,983.64	2,928.85	2,896.36	8.18	8.28	-163.80	-33.14	-333.68	598.64	582.57	16.07	37.257	
3,100.00	3,082.12	3,023.54	2,989.15	8.38	8.52	-163.01	-25.32	-350.86	629.76	613.28	16.48	38.221	
3,200.00	3,180.60	3,118.24	3,081.95	8.59	8.77	-162.30	-17.50	-368.03	660.98	644.09	16.89	39.143	
3,300.00	3,279.09	3,212.93	3,174.74	8.80	9.02	-161.65	-9.69	-385.21	692.28	674.99	17.30	40.025	
3,400.00	3,377.57	3,307.62	3,267.53	9.00	9.27	-161.05	-1.87	-402.39	723.66	705.96	17.71	40.870	
3,500.00	3,476.05	3,402.31	3,360.33	9.21	9.52	-160.51	5.95	-419.56	755.11	736.99	18.12	41.680	
3,600.00	3,574.53	3,497.01	3,453.12	9.42	9.77	-160.01	13.77	-436.74	786.61	768.08	18.53	42.455	
3,695.67	3,668.75	3,587.60	3,541.90	9.61	10.01	-159.56	21.24	-453.17	816.79	797.87	18.92	43.177	
3,700.00	3,673.01	3,591.70	3,545.91	9.62	10.02	-159.55	21.58	-453.91	818.15	799.22	18.93	43.215	
3,800.00	3,771.73	3,686.77	3,639.08	9.84	10.27	-159.26	29.43	-471.16	848.48	829.13	19.36	43.833	
3,900.00	3,870.82	3,782.48	3,732.87	10.06	10.53	-158.92	37.33	-488.52	876.53	856.75	19.78	44.324	
4,000.00	3,970.24	3,878.78	3,827.23	10.27	10.78	-158.53	45.28	-505.99	902.28	882.10	20.19	44.696	
4,100.00	4,069.90	3,975.59	3,922.10	10.47	11.04	-158.11	53.27	-523.55	925.76	905.16	20.59	44.960	
4,200.00	4,169.75	4,072.85	4,017.41	10.66	11.30	-157.64	61.30	-541.19	946.95	925.97	20.98	45.129	
4,300.00	4,269.70	4,170.49	4,113.10	10.84	11.56	-157.12	69.36	-558.90	965.88	944.52	21.36	45.218	
4,362.30	4,332.00	4,231.49	4,172.87	10.89	11.73	-157.71	74.40	-569.96	976.53	954.99	21.54	45.334	
4,400.00	4,369.70	4,268.43	4,209.07	10.91	11.83	-157.46	77.45	-576.66	982.72	961.09	21.63	45.427	
4,500.00	4,469.70	4,366.42	4,305.10	10.99	12.09	-157.81	85.54	-594.44	999.23	977.30	21.93	45.571	
4,600.00	4,569.70	4,464.42	4,401.13	11.07	12.35	-158.18	93.63	-612.21	1,015.86	993.64	22.22	45.717	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	11,711.15	19,171.41	11,712.43	102.97	101.83	90.01	-7,424.11	-877.42	1,320.06	1,116.03		204.03	6.470	
19,200.00	11,712.03	19,271.41	11,713.30	104.33	103.17	90.01	-7,524.10	-876.56	1,320.06	1,113.33		206.73	6.385	
19,300.00	11,712.90	19,371.41	11,714.16	105.68	104.51	90.01	-7,624.09	-875.70	1,320.06	1,110.62		209.43	6.303	
19,400.00	11,713.78	19,471.41	11,715.03	107.03	105.86	90.01	-7,724.09	-874.84	1,320.06	1,107.92		212.14	6.223	
19,500.00	11,714.66	19,571.41	11,715.90	108.39	107.20	90.01	-7,824.08	-873.98	1,320.06	1,105.21		214.84	6.144	
19,600.00	11,715.53	19,671.41	11,716.76	109.74	108.54	90.01	-7,924.07	-873.12	1,320.06	1,102.51		217.55	6.068	
19,700.00	11,716.41	19,771.41	11,717.63	111.10	109.88	90.01	-8,024.06	-872.26	1,320.06	1,099.80		220.26	5.993	
19,800.00	11,717.28	19,871.41	11,718.49	112.45	111.23	90.01	-8,124.06	-871.39	1,320.06	1,097.09		222.97	5.920	
19,900.00	11,718.16	19,971.41	11,719.36	113.81	112.57	90.01	-8,224.05	-870.53	1,320.06	1,094.38		225.67	5.849	
20,000.00	11,719.04	20,071.41	11,720.23	115.16	113.92	90.01	-8,324.04	-869.67	1,320.06	1,091.67		228.38	5.780	
20,100.00	11,719.91	20,171.41	11,721.09	116.52	115.26	90.01	-8,424.03	-868.81	1,320.06	1,088.96		231.09	5.712	
20,200.00	11,720.79	20,271.41	11,721.96	117.87	116.61	90.01	-8,524.03	-867.95	1,320.06	1,086.25		233.81	5.646	
20,300.00	11,721.67	20,371.41	11,722.82	119.23	117.96	90.01	-8,624.02	-867.09	1,320.06	1,083.54		236.52	5.581	
20,400.00	11,722.54	20,471.41	11,723.69	120.59	119.30	90.01	-8,724.01	-866.23	1,320.06	1,080.83		239.23	5.518	
20,500.00	11,723.42	20,571.41	11,724.56	121.95	120.65	90.01	-8,824.00	-865.37	1,320.06	1,078.12		241.94	5.456	
20,600.00	11,724.30	20,671.41	11,725.42	123.30	122.00	90.01	-8,924.00	-864.51	1,320.06	1,075.40		244.66	5.396	
20,700.00	11,725.17	20,771.41	11,726.29	124.66	123.35	90.00	-9,023.99	-863.65	1,320.06	1,072.69		247.37	5.336	
20,800.00	11,726.05	20,871.41	11,727.15	126.02	124.70	90.00	-9,123.98	-862.79	1,320.06	1,069.97		250.09	5.278	
20,900.00	11,726.93	20,971.41	11,728.02	127.38	126.05	90.00	-9,223.97	-861.93	1,320.06	1,067.26		252.80	5.222	
21,000.00	11,727.80	21,071.41	11,728.88	128.74	127.40	90.00	-9,323.97	-861.07	1,320.06	1,064.54		255.52	5.166	
21,100.00	11,728.68	21,171.41	11,729.75	130.09	128.75	90.00	-9,423.96	-860.21	1,320.06	1,061.83		258.23	5.112	
21,200.00	11,729.55	21,271.41	11,730.62	131.45	130.10	90.00	-9,523.95	-859.34	1,320.06	1,059.11		260.95	5.059	
21,300.00	11,730.43	21,371.41	11,731.48	132.81	131.45	90.00	-9,623.94	-858.48	1,320.06	1,056.39		263.67	5.007	
21,400.00	11,731.31	21,471.41	11,732.35	134.17	132.81	90.00	-9,723.94	-857.62	1,320.06	1,053.68		266.38	4.955	
21,500.00	11,732.18	21,571.41	11,733.21	135.53	134.16	90.00	-9,823.93	-856.76	1,320.06	1,050.96		269.10	4.905	
21,600.00	11,733.06	21,671.41	11,734.08	136.89	135.51	90.00	-9,923.92	-855.90	1,320.06	1,048.24		271.82	4.856	
21,700.00	11,733.94	21,771.41	11,734.95	138.25	136.86	90.00	-10,023.91	-855.04	1,320.06	1,045.52		274.54	4.808	
21,800.00	11,734.81	21,871.41	11,735.81	139.61	138.22	90.00	-10,123.91	-854.18	1,320.06	1,042.80		277.26	4.761	
21,900.00	11,735.69	21,971.41	11,736.68	140.97	139.57	90.00	-10,223.90	-853.32	1,320.06	1,040.08		279.98	4.715	
21,935.47	11,736.00	22,006.88	11,736.99	141.45	140.05	90.00	-10,259.36	-853.01	1,320.06	1,039.12		280.94	4.699	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Offset Site Error:	0.00 usft
Reference										Offset Well Error:	0.50 usft
Measured	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Rule Assigned:		Warning
Depth	Depth	Depth	Depth	Reference	Offset		+N/-S	+E/-W	Distance	Minimum	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Between	Separation	
									Centres	Factor	
									Ellipses		
									(usft)	(usft)	
19,500.00	11,714.66	19,477.82	11,643.30	108.39	118.70	-87.43	-7,798.03	2,104.84	1,660.54	1,433.76	7.322
19,600.00	11,715.53	19,577.82	11,643.82	109.74	120.06	-87.42	-7,898.02	2,105.75	1,660.60	1,431.11	7.236
19,700.00	11,716.41	19,677.82	11,644.35	111.10	121.43	-87.41	-7,998.02	2,106.66	1,660.67	1,428.46	7.152
19,800.00	11,717.28	19,777.82	11,644.87	112.45	122.79	-87.40	-8,098.01	2,107.57	1,660.73	1,425.81	7.069
19,900.00	11,718.16	19,877.82	11,645.40	113.81	124.15	-87.39	-8,198.01	2,108.48	1,660.79	1,423.16	6.989
20,000.00	11,719.04	19,977.82	11,645.92	115.16	125.51	-87.37	-8,298.00	2,109.38	1,660.86	1,420.51	6.910
20,100.00	11,719.91	20,077.82	11,646.45	116.52	126.87	-87.36	-8,397.99	2,110.29	1,660.92	1,417.86	6.833
20,200.00	11,720.79	20,177.82	11,646.97	117.87	128.23	-87.35	-8,497.99	2,111.20	1,660.99	1,415.21	6.758
20,300.00	11,721.67	20,277.82	11,647.50	119.23	129.59	-87.34	-8,597.98	2,112.11	1,661.05	1,412.56	6.684
20,400.00	11,722.54	20,377.82	11,648.02	120.59	130.96	-87.33	-8,697.97	2,113.02	1,661.11	1,409.90	6.612
20,500.00	11,723.42	20,477.82	11,648.55	121.95	132.32	-87.31	-8,797.97	2,113.93	1,661.18	1,407.25	6.542
20,600.00	11,724.30	20,577.82	11,649.07	123.30	133.68	-87.30	-8,897.96	2,114.84	1,661.24	1,404.60	6.473
20,700.00	11,725.17	20,677.82	11,649.60	124.66	135.04	-87.29	-8,997.96	2,115.75	1,661.31	1,401.95	6.405
20,800.00	11,726.05	20,777.82	11,650.12	126.02	136.41	-87.28	-9,097.95	2,116.66	1,661.37	1,399.29	6.339
20,900.00	11,726.93	20,877.82	11,650.65	127.38	137.77	-87.27	-9,197.94	2,117.56	1,661.44	1,396.64	6.274
21,000.00	11,727.80	20,977.81	11,651.17	128.74	139.13	-87.25	-9,297.94	2,118.47	1,661.50	1,393.99	6.211
21,100.00	11,728.68	21,077.81	11,651.70	130.09	140.50	-87.24	-9,397.93	2,119.38	1,661.57	1,391.33	6.149
21,200.00	11,729.55	21,177.81	11,652.22	131.45	141.86	-87.23	-9,497.93	2,120.29	1,661.63	1,388.68	6.088
21,300.00	11,730.43	21,277.81	11,652.75	132.81	143.22	-87.22	-9,597.92	2,121.20	1,661.70	1,386.03	6.028
21,400.00	11,731.31	21,377.81	11,653.27	134.17	144.59	-87.21	-9,697.91	2,122.11	1,661.76	1,383.37	5.969
21,500.00	11,732.18	21,477.81	11,653.80	135.53	145.95	-87.19	-9,797.91	2,123.02	1,661.83	1,380.72	5.912
21,600.00	11,733.06	21,577.81	11,654.32	136.89	147.31	-87.18	-9,897.90	2,123.93	1,661.89	1,378.06	5.855
21,700.00	11,733.94	21,677.81	11,654.85	138.25	148.68	-87.17	-9,997.89	2,124.84	1,661.96	1,375.41	5.800
21,800.00	11,734.81	21,777.81	11,655.38	139.61	150.04	-87.16	-10,097.89	2,125.74	1,662.02	1,372.75	5.746
21,900.00	11,735.69	21,877.81	11,655.90	140.97	151.41	-87.15	-10,197.88	2,126.65	1,662.09	1,370.10	5.692
21,935.47	11,736.00	21,913.28	11,656.09	141.45	151.89	-87.14	-10,233.35	2,126.98	1,662.11	1,369.16	5.674 ES, SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Axis (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	1.00	1.00	0.50	0.50	-173.21	-210.00	-25.00	211.48				
100.00	100.00	101.00	101.00	0.98	0.99	-173.21	-210.00	-25.00	211.48	209.52	1.97	107.480	
200.00	200.00	201.00	201.00	1.56	1.57	-173.21	-210.00	-25.00	211.48	208.36	3.13	67.644	
300.00	300.00	301.02	301.02	1.98	1.99	-173.21	-210.00	-25.00	211.48	207.52	3.97	53.325	
300.75	300.75	301.78	301.78	1.98	1.99	130.72	-210.00	-25.00	211.48	207.51	3.97	53.251	CC
400.00	399.99	402.51	402.50	2.41	2.42	131.34	-209.47	-26.27	211.98	207.27	4.71	45.046	ES
500.00	499.91	503.67	503.58	2.79	2.80	133.17	-207.90	-30.01	213.62	208.27	5.35	39.923	
600.00	599.69	604.18	603.86	3.12	3.12	136.12	-205.31	-36.16	216.83	210.90	5.93	36.541	
633.33	632.91	637.45	637.01	3.15	3.16	137.32	-204.23	-38.73	218.36	212.36	6.00	36.413	
700.00	699.32	703.33	702.64	3.26	3.26	139.79	-202.01	-44.03	221.90	215.68	6.22	35.682	
800.00	798.94	802.15	801.09	3.51	3.51	143.34	-198.68	-51.97	227.97	221.24	6.73	33.871	
900.00	898.56	900.97	899.53	3.75	3.75	146.69	-195.34	-59.91	234.88	227.66	7.22	32.532	
1,000.00	998.18	999.80	997.98	3.98	3.98	149.85	-192.01	-67.85	242.55	234.86	7.69	31.537	
1,100.00	1,097.80	1,098.62	1,096.43	4.21	4.20	152.81	-188.67	-75.79	250.93	242.78	8.15	30.798	
1,200.00	1,197.42	1,197.44	1,194.88	4.44	4.42	155.57	-185.34	-83.73	259.94	251.34	8.59	30.255	
1,300.00	1,297.04	1,295.66	1,292.69	4.66	4.55	158.18	-181.93	-91.85	269.56	260.63	8.93	30.185	
1,400.00	1,396.66	1,392.55	1,388.99	4.87	4.80	160.99	-177.77	-101.76	280.23	270.87	9.36	29.940	
1,500.00	1,496.28	1,488.61	1,484.14	5.08	5.06	164.03	-172.71	-113.80	292.30	282.51	9.79	29.845	
1,600.00	1,595.90	1,583.70	1,578.00	5.29	5.30	167.21	-166.79	-127.90	306.02	295.80	10.23	29.917	
1,700.00	1,695.52	1,677.74	1,670.41	5.50	5.54	170.48	-160.05	-143.95	321.65	310.99	10.66	30.160	
1,800.00	1,795.14	1,770.63	1,761.25	5.71	5.77	173.76	-152.53	-161.86	339.40	328.30	11.10	30.576	
1,900.00	1,894.76	1,864.36	1,852.45	5.91	5.96	177.04	-144.17	-181.75	359.29	347.79	11.50	31.240	
2,000.00	1,994.38	1,960.11	1,945.56	6.11	6.15	-179.92	-135.52	-202.37	380.47	368.54	11.93	31.884	
2,100.00	2,094.00	2,055.85	2,038.66	6.31	6.36	-177.19	-126.86	-222.98	402.61	390.24	12.37	32.543	
2,200.00	2,193.62	2,151.60	2,131.76	6.52	6.57	-174.75	-118.21	-243.59	425.55	412.73	12.82	33.206	
2,206.41	2,200.00	2,157.74	2,137.73	6.53	6.58	-174.60	-117.65	-244.91	427.04	414.20	12.84	33.249	
2,300.00	2,293.13	2,247.10	2,224.62	6.73	6.78	-172.52	-109.57	-264.15	450.27	437.01	13.26	33.957	
2,400.00	2,392.34	2,341.98	2,316.87	6.97	7.00	-170.55	-100.99	-284.58	478.04	464.33	13.72	34.850	
2,500.00	2,491.20	2,436.18	2,408.47	7.20	7.24	-168.82	-92.48	-304.86	508.71	494.54	14.17	35.900	
2,539.71	2,530.34	2,473.38	2,444.64	7.26	7.34	-168.19	-89.12	-312.86	521.67	507.35	14.32	36.436	
2,600.00	2,589.72	2,529.77	2,499.47	7.35	7.50	-167.37	-84.02	-325.01	541.71	527.16	14.55	37.234	
2,700.00	2,688.20	2,623.30	2,590.42	7.56	7.76	-166.12	-75.56	-345.14	575.16	560.19	14.96	38.434	
2,800.00	2,786.68	2,716.84	2,681.37	7.76	8.04	-165.01	-67.11	-365.28	608.82	593.44	15.39	39.571	
2,900.00	2,885.16	2,810.37	2,772.32	7.97	8.31	-164.01	-58.65	-385.41	642.67	626.87	15.81	40.660	
3,000.00	2,983.64	2,903.90	2,863.27	8.18	8.59	-163.12	-50.19	-405.55	676.68	660.45	16.23	41.702	
3,100.00	3,082.12	2,997.44	2,954.21	8.38	8.87	-162.31	-41.74	-425.69	710.82	694.17	16.65	42.700	
3,200.00	3,180.60	3,090.97	3,045.16	8.59	9.15	-161.57	-33.28	-445.82	745.07	728.00	17.07	43.655	
3,300.00	3,279.09	3,184.50	3,136.11	8.80	9.44	-160.90	-24.83	-465.96	779.43	761.94	17.49	44.568	
3,400.00	3,377.57	3,278.04	3,227.06	9.00	9.72	-160.28	-16.37	-486.10	813.87	795.96	17.91	45.443	
3,500.00	3,476.05	3,371.57	3,318.01	9.21	10.00	-159.71	-7.92	-506.23	848.39	830.06	18.33	46.281	
3,600.00	3,574.53	3,465.11	3,408.95	9.42	10.29	-159.19	0.54	-526.37	882.98	864.22	18.75	47.084	
3,695.67	3,668.75	3,554.59	3,495.97	9.61	10.56	-158.73	8.63	-545.63	916.12	896.97	19.15	47.831	
3,700.00	3,673.01	3,558.64	3,499.90	9.62	10.58	-158.72	9.00	-546.50	917.62	898.45	19.17	47.871	
3,800.00	3,771.73	3,652.58	3,591.25	9.84	10.87	-158.43	17.49	-566.73	951.08	931.48	19.60	48.514	
3,900.00	3,870.82	3,747.23	3,683.28	10.06	11.16	-158.10	26.04	-587.10	982.30	962.27	20.03	49.035	
4,000.00	3,970.24	3,842.51	3,775.93	10.27	11.45	-157.74	34.66	-607.62	1,011.28	990.82	20.45	49.439	
4,100.00	4,069.90	3,938.37	3,869.14	10.47	11.75	-157.33	43.33	-628.25	1,038.01	1,017.14	20.87	49.741	
4,200.00	4,169.75	4,034.75	3,962.85	10.66	12.05	-156.89	52.04	-649.00	1,062.51	1,041.24	21.27	49.951	
4,300.00	4,269.70	4,131.56	4,056.99	10.84	12.35	-156.41	60.79	-669.84	1,084.79	1,063.13	21.66	50.086	
4,362.30	4,332.00	4,192.07	4,115.83	10.89	12.54	-100.01	66.26	-682.87	1,097.54	1,075.70	21.85	50.241	
4,400.00	4,369.70	4,228.73	4,151.47	10.91	12.65	-99.77	69.57	-690.76	1,105.01	1,083.07	21.94	50.360	
4,500.00	4,469.70	4,325.96	4,246.02	10.99	12.95	-99.13	78.36	-711.70	1,124.92	1,102.67	22.25	50.564	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Rule Assigned:		Offset Wellbore Centre		Distance		Minimum Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor
4,600.00	4,569.70	4,423.20	4,340.57	11.07	13.26	-98.52	87.16	-732.63	1,144.96	1,122.40	22.55
4,700.00	4,669.70	4,520.44	4,435.11	11.16	13.56	-97.93	95.95	-753.56	1,165.12	1,142.26	22.86
4,800.00	4,769.70	4,617.67	4,529.66	11.24	13.86	-97.36	104.74	-774.50	1,185.39	1,162.23	23.16
4,900.00	4,869.70	4,714.91	4,624.21	11.32	14.17	-96.80	113.53	-795.43	1,205.78	1,182.32	23.47
5,000.00	4,969.70	4,812.14	4,718.76	11.41	14.47	-96.27	122.32	-816.36	1,226.28	1,202.51	23.77
5,100.00	5,069.70	4,909.38	4,813.31	11.49	14.78	-95.75	131.11	-837.30	1,246.87	1,222.80	24.08
5,200.00	5,169.70	5,006.61	4,907.85	11.57	15.08	-95.25	139.90	-858.23	1,267.56	1,243.18	24.38
5,300.00	5,269.70	5,103.85	5,002.40	11.66	15.39	-94.76	148.69	-879.16	1,288.34	1,263.66	24.69
5,400.00	5,369.70	5,201.09	5,096.95	11.74	15.69	-94.29	157.48	-900.10	1,309.21	1,284.22	24.99
5,500.00	5,469.70	5,298.32	5,191.50	11.82	16.00	-93.84	166.27	-921.03	1,330.16	1,304.87	25.29
5,600.00	5,569.70	5,395.56	5,286.05	11.91	16.30	-93.40	175.06	-941.96	1,351.19	1,325.59	25.60
5,700.00	5,669.70	5,492.79	5,380.59	11.99	16.61	-92.97	183.85	-962.90	1,372.29	1,346.39	25.90
5,800.00	5,769.70	5,590.03	5,475.14	12.07	16.92	-92.56	192.64	-983.83	1,393.47	1,367.26	26.21
5,900.00	5,869.70	5,687.26	5,569.69	12.16	17.22	-92.15	201.43	-1,004.76	1,414.71	1,388.20	26.51
6,000.00	5,969.70	5,829.74	5,708.73	12.24	17.64	-91.62	213.45	-1,033.39	1,434.66	1,407.67	26.98
6,100.00	6,069.70	5,980.04	5,856.56	12.32	18.03	-91.17	223.96	-1,058.41	1,451.17	1,423.73	27.44
6,200.00	6,169.70	6,132.31	6,007.28	12.40	18.36	-90.83	232.29	-1,078.26	1,464.14	1,436.28	27.86
6,300.00	6,269.70	6,286.07	6,160.23	12.49	18.62	-90.59	238.35	-1,092.67	1,473.47	1,445.23	28.24
6,400.00	6,369.70	6,440.85	6,314.72	12.57	18.81	-90.44	242.03	-1,101.43	1,479.12	1,450.55	28.56
6,500.00	6,469.70	6,596.16	6,469.97	12.65	18.95	-90.39	243.28	-1,104.42	1,481.03	1,452.24	28.79
6,600.00	6,569.70	6,696.88	6,570.70	12.74	19.00	-90.39	243.28	-1,104.42	1,481.03	1,452.11	28.93
6,700.00	6,669.70	6,796.88	6,670.70	12.82	19.05	-90.39	243.28	-1,104.42	1,481.03	1,451.97	29.06
6,800.00	6,769.70	6,896.88	6,770.70	12.90	19.11	-90.39	243.28	-1,104.42	1,481.03	1,451.83	29.20
6,900.00	6,869.70	6,996.88	6,870.70	12.99	19.16	-90.39	243.28	-1,104.42	1,481.03	1,451.69	29.34
7,000.00	6,969.70	7,096.88	6,970.70	13.07	19.22	-90.39	243.28	-1,104.42	1,481.03	1,451.56	29.48
7,100.00	7,069.70	7,196.88	7,070.70	13.15	19.27	-90.39	243.28	-1,104.42	1,481.03	1,451.42	29.62
7,200.00	7,169.70	7,296.88	7,170.70	13.24	19.33	-90.39	243.28	-1,104.42	1,481.03	1,451.28	29.76
7,300.00	7,269.70	7,396.88	7,270.70	13.32	19.38	-90.39	243.28	-1,104.42	1,481.03	1,451.14	29.89
7,400.00	7,369.70	7,496.88	7,370.70	13.40	19.44	-90.39	243.28	-1,104.42	1,481.03	1,451.00	30.03
7,500.00	7,469.70	7,596.88	7,470.70	13.48	19.49	-90.39	243.28	-1,104.42	1,481.03	1,450.86	30.17
7,600.00	7,569.70	7,696.88	7,570.70	13.57	19.55	-90.39	243.28	-1,104.42	1,481.03	1,450.72	30.31
7,700.00	7,669.70	7,796.88	7,670.70	13.65	19.60	-90.39	243.28	-1,104.42	1,481.03	1,450.58	30.45
7,800.00	7,769.70	7,896.88	7,770.70	13.73	19.66	-90.39	243.28	-1,104.42	1,481.03	1,450.44	30.59
7,900.00	7,869.70	7,996.88	7,870.70	13.82	19.71	-90.39	243.28	-1,104.42	1,481.03	1,450.30	30.73
8,000.00	7,969.70	8,096.88	7,970.70	13.90	19.77	-90.39	243.28	-1,104.42	1,481.03	1,450.16	30.87
8,100.00	8,069.70	8,196.88	8,070.70	13.98	19.83	-90.39	243.28	-1,104.42	1,481.03	1,450.02	31.01
8,200.00	8,169.70	8,296.88	8,170.70	14.07	19.88	-90.39	243.28	-1,104.42	1,481.03	1,449.88	31.15
8,300.00	8,269.70	8,396.88	8,270.70	14.15	19.94	-90.39	243.28	-1,104.42	1,481.03	1,449.74	31.29
8,400.00	8,369.70	8,496.88	8,370.70	14.23	20.00	-90.39	243.28	-1,104.42	1,481.03	1,449.60	31.43
8,500.00	8,469.70	8,596.88	8,470.70	14.31	20.06	-90.39	243.28	-1,104.42	1,481.03	1,449.46	31.57
8,600.00	8,569.70	8,696.88	8,570.70	14.40	20.11	-90.39	243.28	-1,104.42	1,481.03	1,449.32	31.72
8,700.00	8,669.70	8,796.88	8,670.70	14.48	20.17	-90.39	243.28	-1,104.42	1,481.03	1,449.18	31.86
8,800.00	8,769.70	8,896.88	8,770.70	14.56	20.23	-90.39	243.28	-1,104.42	1,481.03	1,449.04	32.00
8,900.00	8,869.70	8,996.88	8,870.70	14.65	20.29	-90.39	243.28	-1,104.42	1,481.03	1,448.89	32.14
9,000.00	8,969.70	9,096.88	8,970.70	14.73	20.34	-90.39	243.28	-1,104.42	1,481.03	1,448.75	32.28
9,100.00	9,069.70	9,196.88	9,070.70	14.81	20.40	-90.39	243.28	-1,104.42	1,481.03	1,448.61	32.42
9,200.00	9,169.70	9,296.88	9,170.70	14.90	20.46	-90.39	243.28	-1,104.42	1,481.03	1,448.47	32.57
9,300.00	9,269.70	9,396.88	9,270.70	14.98	20.52	-90.39	243.28	-1,104.42	1,481.03	1,448.33	32.71
9,400.00	9,369.70	9,496.88	9,370.70	15.06	20.58	-90.39	243.28	-1,104.42	1,481.03	1,448.18	32.85
9,500.00	9,469.70	9,596.88	9,470.70	15.14	20.64	-90.39	243.28	-1,104.42	1,481.03	1,448.04	32.99
9,600.00	9,569.70	9,696.88	9,570.70	15.23	20.70	-90.39	243.28	-1,104.42	1,481.03	1,447.90	33.14
9,700.00	9,669.70	9,796.88	9,670.70	15.31	20.75	-90.39	243.28	-1,104.42	1,481.03	1,447.76	33.28

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,100.00	11,711.15	20,053.04	12,572.87	102.97	101.75	120.16	-7,417.98	-1,038.48	1,713.02	1,531.94	181.08	9.460			
19,200.00	11,712.03	20,153.04	12,573.74	104.33	103.09	120.16	-7,517.97	-1,037.62	1,713.01	1,529.58	183.43	9.339			
19,300.00	11,712.90	20,253.04	12,574.61	105.68	104.42	120.16	-7,617.97	-1,036.76	1,713.01	1,527.22	185.79	9.220			
19,400.00	11,713.78	20,353.04	12,575.49	107.03	105.76	120.16	-7,717.96	-1,035.90	1,713.01	1,524.86	188.15	9.105			
19,500.00	11,714.66	20,453.04	12,576.36	108.39	107.10	120.16	-7,817.95	-1,035.04	1,713.01	1,522.50	190.51	8.992			
19,600.00	11,715.53	20,553.04	12,577.23	109.74	108.43	120.16	-7,917.94	-1,034.18	1,713.01	1,520.14	192.87	8.882			
19,700.00	11,716.41	20,653.04	12,578.11	111.10	109.77	120.16	-8,017.94	-1,033.31	1,713.01	1,517.78	195.23	8.774			
19,800.00	11,717.28	20,753.04	12,578.98	112.45	111.11	120.16	-8,117.93	-1,032.45	1,713.01	1,515.41	197.59	8.669			
19,900.00	11,718.16	20,853.04	12,579.85	113.81	112.45	120.16	-8,217.92	-1,031.59	1,713.00	1,513.05	199.96	8.567			
20,000.00	11,719.04	20,953.04	12,580.73	115.16	113.80	120.16	-8,317.91	-1,030.73	1,713.00	1,510.68	202.32	8.467			
20,100.00	11,719.91	21,053.04	12,581.60	116.52	115.14	120.16	-8,417.91	-1,029.87	1,713.00	1,508.31	204.69	8.369			
20,200.00	11,720.79	21,153.04	12,582.47	117.87	116.48	120.16	-8,517.90	-1,029.01	1,713.00	1,505.94	207.06	8.273			
20,300.00	11,721.67	21,253.04	12,583.35	119.23	117.82	120.16	-8,617.89	-1,028.15	1,713.00	1,503.57	209.43	8.179			
20,400.00	11,722.54	21,353.04	12,584.22	120.59	119.17	120.16	-8,717.88	-1,027.29	1,713.00	1,501.20	211.80	8.088			
20,500.00	11,723.42	21,453.04	12,585.09	121.95	120.51	120.16	-8,817.87	-1,026.43	1,713.00	1,498.83	214.17	7.998			
20,600.00	11,724.30	21,553.04	12,585.96	123.30	121.86	120.16	-8,917.87	-1,025.57	1,712.99	1,496.45	216.54	7.911			
20,700.00	11,725.17	21,653.04	12,586.84	124.66	123.20	120.16	-9,017.86	-1,024.71	1,712.99	1,494.08	218.91	7.825			
20,800.00	11,726.05	21,753.04	12,587.71	126.02	124.55	120.16	-9,117.85	-1,023.85	1,712.99	1,491.71	221.29	7.741			
20,900.00	11,726.93	21,853.04	12,588.58	127.38	125.90	120.16	-9,217.84	-1,022.99	1,712.99	1,489.33	223.66	7.659			
21,000.00	11,727.80	21,953.04	12,589.46	128.74	127.24	120.16	-9,317.84	-1,022.13	1,712.99	1,486.95	226.04	7.578			
21,100.00	11,728.68	22,053.04	12,590.33	130.09	128.59	120.16	-9,417.83	-1,021.27	1,712.99	1,484.58	228.41	7.500			
21,200.00	11,729.55	22,153.04	12,591.20	131.45	129.94	120.16	-9,517.82	-1,020.41	1,712.99	1,482.20	230.79	7.422			
21,300.00	11,730.43	22,253.04	12,592.08	132.81	131.29	120.16	-9,617.81	-1,019.54	1,712.98	1,479.82	233.17	7.347			
21,400.00	11,731.31	22,353.04	12,592.95	134.17	132.64	120.16	-9,717.81	-1,018.68	1,712.98	1,477.44	235.55	7.272			
21,500.00	11,732.18	22,453.04	12,593.82	135.53	133.98	120.16	-9,817.80	-1,017.82	1,712.98	1,475.06	237.92	7.200			
21,600.00	11,733.06	22,553.04	12,594.69	136.89	135.33	120.16	-9,917.79	-1,016.96	1,712.98	1,472.68	240.30	7.128			
21,700.00	11,733.94	22,653.04	12,595.57	138.25	136.68	120.16	-10,017.78	-1,016.10	1,712.98	1,470.29	242.68	7.058			
21,800.00	11,734.81	22,753.04	12,596.44	139.61	138.04	120.16	-10,117.78	-1,015.24	1,712.98	1,467.91	245.07	6.990			
21,900.00	11,735.69	22,853.04	12,597.31	140.97	139.39	120.16	-10,217.77	-1,014.38	1,712.98	1,465.53	247.45	6.923			
21,935.47	11,736.00	22,888.51	12,597.62	141.45	139.87	120.16	-10,253.23	-1,014.08	1,712.98	1,464.68	248.29	6.899	SF		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
0.00	0.00	0.00	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		
400.00	399.99	399.99	399.99	2.41	2.33	169.32	-25.00	-25.00	36.64	31.90	4.74	7.731		
500.00	499.91	499.91	499.91	2.79	2.63	170.34	-25.00	-25.00	40.51	35.09	5.42	7.480		
600.00	599.69	599.69	599.69	3.12	2.91	171.66	-25.00	-25.00	46.97	40.94	6.03	7.793		
633.33	632.91	632.91	632.91	3.15	2.99	172.12	-25.00	-25.00	49.70	43.56	6.14	8.090		
700.00	699.32	699.32	699.32	3.26	3.16	172.94	-25.00	-25.00	55.46	49.04	6.42	8.639		
800.00	798.94	798.94	798.94	3.51	3.40	173.90	-25.00	-25.00	64.12	57.21	6.91	9.285		
900.00	898.56	898.56	898.56	3.75	3.62	174.63	-25.00	-25.00	72.79	65.42	7.37	9.877		
1,000.00	998.18	998.18	998.18	3.98	3.83	175.20	-25.00	-25.00	81.47	73.66	7.82	10.425		
1,100.00	1,097.80	1,097.80	1,097.80	4.21	4.03	175.67	-25.00	-25.00	90.16	81.92	8.25	10.934		
1,200.00	1,197.42	1,197.42	1,197.42	4.44	4.23	176.05	-25.00	-25.00	98.85	90.19	8.66	11.411		
1,300.00	1,297.04	1,297.04	1,297.04	4.66	4.41	176.37	-25.00	-25.00	107.55	98.48	9.07	11.858		
1,400.00	1,396.66	1,396.66	1,396.66	4.87	4.60	176.64	-25.00	-25.00	116.25	106.78	9.47	12.281		
1,500.00	1,496.28	1,496.28	1,496.28	5.08	4.77	176.87	-25.00	-25.00	124.95	115.10	9.85	12.680		
1,600.00	1,595.90	1,595.90	1,595.90	5.29	4.94	177.08	-25.00	-25.00	133.66	123.42	10.23	13.060		
1,700.00	1,695.52	1,695.52	1,695.52	5.50	5.11	177.26	-25.00	-25.00	142.36	131.75	10.61	13.421		
1,800.00	1,795.14	1,795.14	1,795.14	5.71	5.27	177.41	-25.00	-25.00	151.07	140.09	10.97	13.765		
1,900.00	1,894.76	1,894.76	1,894.76	5.91	5.43	177.56	-25.00	-25.00	159.77	148.44	11.34	14.094		
2,000.00	1,994.38	1,994.38	1,994.38	6.11	5.58	177.68	-25.00	-25.00	168.48	156.79	11.69	14.409		
2,100.00	2,094.00	2,094.00	2,094.00	6.31	5.73	177.80	-25.00	-25.00	177.19	165.15	12.05	14.711		
2,200.00	2,193.62	2,193.62	2,193.62	6.52	5.88	177.90	-25.00	-25.00	185.90	173.50	12.40	14.988		
2,206.41	2,200.00	2,200.00	2,200.00	6.53	5.89	177.91	-25.00	-25.00	186.46	174.03	12.43	15.005		
2,300.00	2,293.13	2,297.99	2,297.98	6.73	6.07	178.09	-24.04	-24.18	194.59	181.79	12.80	15.197		
2,400.00	2,392.34	2,402.91	2,402.81	6.97	6.25	178.49	-20.90	-21.50	203.24	190.02	13.22	15.379		
2,500.00	2,491.20	2,508.05	2,507.72	7.20	6.43	179.06	-15.56	-16.94	211.85	198.23	13.62	15.555		
2,539.71	2,530.34	2,549.86	2,549.37	7.26	6.50	179.34	-12.82	-14.61	215.26	201.52	13.74	15.664		
2,600.00	2,589.72	2,613.45	2,612.64	7.35	6.61	179.80	-8.00	-10.49	219.96	206.02	13.94	15.782		
2,700.00	2,688.20	2,719.17	2,717.57	7.56	6.78	-179.32	1.80	-2.13	225.66	211.38	14.28	15.799		
2,800.00	2,786.68	2,819.82	2,817.24	7.76	6.88	-178.39	12.43	6.94	229.76	215.17	14.59	15.747		
2,900.00	2,885.16	2,919.67	2,916.12	7.97	7.03	-177.50	23.00	15.96	233.89	218.95	14.94	15.651		
3,000.00	2,983.64	3,019.52	3,015.00	8.18	7.18	-176.65	33.57	24.98	238.08	222.78	15.30	15.562		
3,100.00	3,082.12	3,119.37	3,113.88	8.38	7.33	-175.82	44.13	34.00	242.31	226.66	15.66	15.478		
3,200.00	3,180.60	3,219.22	3,212.76	8.59	7.49	-175.02	54.70	43.01	246.60	230.58	16.01	15.400		
3,300.00	3,279.09	3,319.07	3,311.64	8.80	7.64	-174.25	65.27	52.03	250.93	234.56	16.37	15.326		
3,400.00	3,377.57	3,418.92	3,410.52	9.00	7.80	-173.51	75.84	61.05	255.30	238.57	16.73	15.257		
3,500.00	3,476.05	3,518.77	3,509.39	9.21	7.96	-172.79	86.40	70.07	259.72	242.63	17.10	15.193		
3,600.00	3,574.53	3,618.62	3,608.27	9.42	8.12	-172.09	96.97	79.09	264.18	246.72	17.46	15.132		
3,695.67	3,668.75	3,714.15	3,702.88	9.61	8.28	-171.45	107.08	87.72	268.48	250.68	17.80	15.081		
3,700.00	3,673.01	3,718.47	3,707.15	9.62	8.28	-171.42	107.54	88.11	268.67	250.86	17.82	15.081		
3,800.00	3,771.73	3,818.36	3,806.08	9.84	8.45	-170.73	118.11	97.13	271.80	253.60	18.20	14.936		
3,900.00	3,870.82	3,918.29	3,905.03	10.06	8.61	-169.95	128.69	106.15	272.39	253.81	18.57	14.665		
4,000.00	3,970.24	4,018.18	4,003.95	10.27	8.78	-169.07	139.26	115.17	270.46	251.51	18.94	14.277		
4,100.00	4,069.90	4,117.97	4,102.77	10.47	8.95	-168.05	149.82	124.19	266.03	246.73	19.30	13.783		
4,200.00	4,169.75	4,217.58	4,201.42	10.66	9.12	-166.86	160.36	133.18	259.14	239.49	19.65	13.190		
4,300.00	4,269.70	4,316.96	4,299.82	10.84	9.29	-165.45	170.88	142.16	249.83	229.86	19.97	12.508		
4,362.30	4,332.00	4,378.72	4,360.99	10.89	9.39	-108.36	177.42	147.74	242.85	222.73	20.12	12.071		
4,400.00	4,369.70	4,416.05	4,397.95	10.91	9.46	-107.71	181.37	151.11	238.36	218.18	20.19	11.808		
4,500.00	4,469.70	4,515.08	4,496.02	10.99	9.63	-105.86	191.85	160.05	226.62	206.21	20.41	11.102		
4,600.00	4,569.70	4,614.11	4,594.08	11.07	9.80	-103.81	202.33	169.00	215.15	194.51	20.64	10.426		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
4,700.00	4,669.70	4,713.13	4,692.15	11.16	9.97	-101.53	212.81	177.94	203.97	183.12	20.85	9.781		
4,800.00	4,769.70	4,812.16	4,790.21	11.24	10.14	-99.00	223.29	186.89	193.15	172.09	21.06	9.170		
4,900.00	4,869.70	4,908.04	4,885.30	11.32	10.30	-96.50	232.65	194.87	183.55	162.29	21.26	8.634		
5,000.00	4,969.70	5,004.25	4,980.99	11.41	10.48	-94.29	240.21	201.33	176.11	154.64	21.47	8.203		
5,100.00	5,069.70	5,100.00	5,076.44	11.49	10.65	-92.50	245.92	206.20	170.68	149.01	21.67	7.877		
5,200.00	5,169.70	5,197.87	5,174.17	11.57	10.82	-91.19	249.87	209.57	167.11	145.24	21.87	7.642		
5,300.00	5,269.70	5,295.05	5,271.31	11.66	10.98	-90.50	251.91	211.31	165.29	143.23	22.06	7.494		
5,379.82	5,349.52	5,373.26	5,349.52	11.72	11.04	-90.39	252.23	211.58	165.00	142.84	22.17	7.444		
5,400.00	5,369.70	5,393.44	5,369.70	11.74	11.05	-90.39	252.23	211.58	165.00	142.81	22.19	7.435		
5,500.00	5,469.70	5,493.44	5,469.70	11.82	11.14	-90.39	252.23	211.58	165.00	142.64	22.37	7.377		
5,600.00	5,569.70	5,593.44	5,569.70	11.91	11.23	-90.39	252.23	211.58	165.00	142.46	22.54	7.319		
5,700.00	5,669.70	5,693.44	5,669.70	11.99	11.33	-90.39	252.23	211.58	165.00	142.28	22.72	7.262		
5,800.00	5,769.70	5,793.44	5,769.70	12.07	11.42	-90.39	252.23	211.58	165.00	142.11	22.90	7.207		
5,900.00	5,869.70	5,893.44	5,869.70	12.16	11.51	-90.39	252.23	211.58	165.00	141.93	23.07	7.151		
6,000.00	5,969.70	5,993.44	5,969.70	12.24	11.61	-90.39	252.23	211.58	165.00	141.76	23.25	7.097		
6,100.00	6,069.70	6,093.44	6,069.70	12.32	11.70	-90.39	252.23	211.58	165.00	141.58	23.42	7.044		
6,200.00	6,169.70	6,193.44	6,169.70	12.40	11.79	-90.39	252.23	211.58	165.00	141.40	23.60	6.992		
6,300.00	6,269.70	6,293.44	6,269.70	12.49	11.89	-90.39	252.23	211.58	165.00	141.23	23.78	6.940		
6,400.00	6,369.70	6,393.44	6,369.70	12.57	11.98	-90.39	252.23	211.58	165.00	141.05	23.95	6.889		
6,500.00	6,469.70	6,493.44	6,469.70	12.65	12.07	-90.39	252.23	211.58	165.00	140.88	24.13	6.839		
6,600.00	6,569.70	6,593.44	6,569.70	12.74	12.16	-90.39	252.23	211.58	165.00	140.70	24.30	6.790		
6,700.00	6,669.70	6,693.44	6,669.70	12.82	12.26	-90.39	252.23	211.58	165.00	140.53	24.47	6.742		
6,800.00	6,769.70	6,793.44	6,769.70	12.90	12.35	-90.39	252.23	211.58	165.00	140.35	24.65	6.694		
6,900.00	6,869.70	6,893.44	6,869.70	12.99	12.44	-90.39	252.23	211.58	165.00	140.18	24.82	6.647		
7,000.00	6,969.70	6,993.44	6,969.70	13.07	12.53	-90.39	252.23	211.58	165.00	140.01	25.00	6.601		
7,100.00	7,069.70	7,093.44	7,069.70	13.15	12.62	-90.39	252.23	211.58	165.00	139.83	25.17	6.555		
7,200.00	7,169.70	7,193.44	7,169.70	13.24	12.72	-90.39	252.23	211.58	165.00	139.66	25.35	6.510		
7,300.00	7,269.70	7,293.44	7,269.70	13.32	12.81	-90.39	252.23	211.58	165.00	139.48	25.52	6.466		
7,400.00	7,369.70	7,393.44	7,369.70	13.40	12.90	-90.39	252.23	211.58	165.00	139.31	25.69	6.422		
7,500.00	7,469.70	7,493.44	7,469.70	13.48	12.99	-90.39	252.23	211.58	165.00	139.14	25.87	6.379		
7,600.00	7,569.70	7,593.44	7,569.70	13.57	13.08	-90.39	252.23	211.58	165.00	138.96	26.04	6.337		
7,700.00	7,669.70	7,693.44	7,669.70	13.65	13.17	-90.39	252.23	211.58	165.00	138.79	26.21	6.295		
7,800.00	7,769.70	7,793.44	7,769.70	13.73	13.26	-90.39	252.23	211.58	165.00	138.62	26.39	6.253		
7,900.00	7,869.70	7,893.44	7,869.70	13.82	13.35	-90.39	252.23	211.58	165.00	138.44	26.56	6.213		
8,000.00	7,969.70	7,993.44	7,969.70	13.90	13.44	-90.39	252.23	211.58	165.00	138.27	26.73	6.173		
8,100.00	8,069.70	8,093.44	8,069.70	13.98	13.53	-90.39	252.23	211.58	165.00	138.10	26.90	6.133		
8,200.00	8,169.70	8,193.44	8,169.70	14.07	13.62	-90.39	252.23	211.58	165.00	137.93	27.08	6.094		
8,300.00	8,269.70	8,293.44	8,269.70	14.15	13.71	-90.39	252.23	211.58	165.00	137.75	27.25	6.055		
8,400.00	8,369.70	8,393.44	8,369.70	14.23	13.80	-90.39	252.23	211.58	165.00	137.58	27.42	6.017		
8,500.00	8,469.70	8,493.44	8,469.70	14.31	13.89	-90.39	252.23	211.58	165.00	137.41	27.59	5.980		
8,600.00	8,569.70	8,593.44	8,569.70	14.40	13.98	-90.39	252.23	211.58	165.00	137.24	27.77	5.943		
8,700.00	8,669.70	8,693.44	8,669.70	14.48	14.07	-90.39	252.23	211.58	165.00	137.07	27.94	5.906		
8,800.00	8,769.70	8,793.44	8,769.70	14.56	14.16	-90.39	252.23	211.58	165.00	136.89	28.11	5.870		
8,900.00	8,869.70	8,893.44	8,869.70	14.65	14.25	-90.39	252.23	211.58	165.00	136.72	28.28	5.834		
9,000.00	8,969.70	8,993.44	8,969.70	14.73	14.34	-90.39	252.23	211.58	165.00	136.55	28.45	5.799		
9,100.00	9,069.70	9,093.44	9,069.70	14.81	14.43	-90.39	252.23	211.58	165.00	136.38	28.62	5.764		
9,200.00	9,169.70	9,193.44	9,169.70	14.90	14.52	-90.39	252.23	211.58	165.00	136.21	28.80	5.730		
9,300.00	9,269.70	9,293.44	9,269.70	14.98	14.61	-90.39	252.23	211.58	165.00	136.04	28.97	5.696		
9,400.00	9,369.70	9,393.44	9,369.70	15.06	14.70	-90.39	252.23	211.58	165.00	135.87	29.14	5.663		
9,500.00	9,469.70	9,493.44	9,469.70	15.14	14.79	-90.39	252.23	211.58	165.00	135.69	29.31	5.630		
9,600.00	9,569.70	9,593.44	9,569.70	15.23	14.88	-90.39	252.23	211.58	165.00	135.52	29.48	5.597		
9,700.00	9,669.70	9,693.44	9,669.70	15.31	14.97	-90.39	252.23	211.58	165.00	135.35	29.65	5.565		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)													Offset Well Error: 0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)			
9,800.00	9,769.70	9,793.44	9,769.70	15.39	15.06	-90.39	252.23	211.58	165.00	135.18	29.82	5.533		
9,900.00	9,869.70	9,893.44	9,869.70	15.48	15.15	-90.39	252.23	211.58	165.00	135.01	29.99	5.501		
10,000.00	9,969.70	9,993.44	9,969.70	15.56	15.23	-90.39	252.23	211.58	165.00	134.84	30.16	5.470		
10,100.00	10,069.70	10,093.44	10,069.70	15.64	15.32	-90.39	252.23	211.58	165.00	134.67	30.33	5.439		
10,200.00	10,169.70	10,193.44	10,169.70	15.72	15.41	-90.39	252.23	211.58	165.00	134.50	30.51	5.409		
10,300.00	10,269.70	10,293.44	10,269.70	15.81	15.50	-90.39	252.23	211.58	165.00	134.33	30.68	5.379		
10,400.00	10,369.70	10,393.44	10,369.70	15.89	15.59	-90.39	252.23	211.58	165.00	134.16	30.85	5.349		
10,500.00	10,469.70	10,493.44	10,469.70	15.97	15.68	-90.39	252.23	211.58	165.00	133.99	31.02	5.320		
10,600.00	10,569.70	10,593.44	10,569.70	16.06	15.77	-90.39	252.23	211.58	165.00	133.82	31.19	5.291		
10,700.00	10,669.70	10,693.44	10,669.70	16.14	15.85	-90.39	252.23	211.58	165.00	133.65	31.36	5.262		
10,800.00	10,769.70	10,793.44	10,769.70	16.22	15.94	-90.39	252.23	211.58	165.00	133.48	31.53	5.234		
10,900.00	10,869.70	10,893.44	10,869.70	16.30	16.03	-90.39	252.23	211.58	165.00	133.31	31.70	5.206		
11,000.00	10,969.70	10,993.44	10,969.70	16.39	16.12	-90.39	252.23	211.58	165.00	133.14	31.87	5.178		
11,100.00	11,069.70	11,093.44	11,069.70	16.47	16.21	-90.39	252.23	211.58	165.00	132.96	32.04	5.150		
11,106.30	11,076.00	11,099.74	11,076.00	16.48	16.21	-90.39	252.23	211.58	165.00	132.95	32.05	5.148		
11,106.32	11,076.02	11,099.76	11,076.02	16.48	16.21	-90.39	252.23	211.58	165.00	132.95	32.05	5.148		
11,150.00	11,119.65	11,143.40	11,119.65	16.50	16.25	90.68	252.23	211.58	165.02	132.93	32.09	5.143	SF	
11,200.00	11,169.28	11,193.02	11,169.28	16.52	16.29	92.72	252.23	211.58	165.19	133.12	32.08	5.150		
11,250.00	11,218.19	11,241.94	11,218.19	16.54	16.34	96.11	252.23	211.58	166.01	133.96	32.04	5.181		
11,300.00	11,266.03	11,289.77	11,266.03	16.57	16.38	100.60	252.23	211.58	168.22	136.22	31.99	5.258		
11,350.00	11,312.42	11,336.16	11,312.42	16.60	16.42	105.83	252.23	211.58	172.81	140.87	31.94	5.410		
11,400.00	11,357.00	11,380.75	11,357.00	16.63	16.46	111.33	252.23	211.58	180.81	148.90	31.91	5.666		
11,450.00	11,399.45	11,423.20	11,399.45	16.67	16.50	116.65	252.23	211.58	193.11	161.20	31.91	6.052		
11,500.00	11,439.44	11,463.18	11,439.44	16.71	16.53	121.41	252.23	211.58	210.26	178.31	31.95	6.580		
11,550.00	11,476.66	11,500.40	11,476.66	16.75	16.56	125.34	252.23	211.58	232.42	200.39	32.03	7.257		
11,600.00	11,510.83	11,534.58	11,510.83	16.80	16.59	128.31	252.23	211.58	259.40	227.28	32.12	8.076		
11,650.00	11,541.70	11,565.44	11,541.70	16.85	16.62	130.21	252.23	211.58	290.82	258.60	32.22	9.025		
11,700.00	11,569.01	11,592.76	11,569.01	16.91	16.64	130.98	252.23	211.58	326.16	293.83	32.32	10.091		
11,750.00	11,592.58	11,616.32	11,592.58	16.99	16.67	130.47	252.23	211.58	364.86	332.45	32.41	11.258		
11,800.00	11,612.22	11,635.96	11,612.22	17.07	16.68	128.42	252.23	211.58	406.39	373.90	32.49	12.509		
11,850.00	11,627.77	11,651.51	11,627.77	17.17	16.70	124.37	252.23	211.58	450.21	417.66	32.55	13.829		
11,900.00	11,639.12	11,662.87	11,639.12	17.28	16.71	117.60	252.23	211.58	495.82	463.21	32.61	15.205		
11,950.00	11,646.19	11,669.94	11,646.19	17.41	16.71	107.09	252.23	211.58	542.74	510.08	32.65	16.621		
12,000.00	11,648.92	11,672.67	11,648.92	17.55	16.71	92.16	252.23	211.58	590.48	557.79	32.69	18.064		
12,001.28	11,648.94	11,672.68	11,648.94	17.56	16.71	91.73	252.23	211.58	591.71	559.02	32.69	18.101		
12,100.00	11,649.80	11,673.54	11,649.80	17.91	16.72	92.03	252.23	211.58	687.06	654.32	32.74	20.983		
12,200.00	11,650.68	11,674.42	11,650.68	18.35	16.72	92.33	252.23	211.58	784.50	751.70	32.79	23.924		
12,300.00	11,651.55	11,675.30	11,651.55	18.88	16.72	92.64	252.23	211.58	882.51	849.67	32.84	26.876		
12,400.00	11,652.43	13,253.17	12,519.35	19.49	19.08	169.22	-707.10	219.84	882.52	829.38	53.14	16.607		
12,500.00	11,653.31	13,353.17	12,520.23	20.18	19.73	169.22	-807.09	220.70	882.52	829.15	53.37	16.536		
12,600.00	11,654.18	13,453.17	12,521.10	20.94	20.46	169.22	-907.09	221.56	882.51	828.90	53.62	16.459		
12,700.00	11,655.06	13,553.17	12,521.98	21.77	21.27	169.22	-1,007.08	222.42	882.51	828.63	53.88	16.378		
12,800.00	11,655.94	13,653.17	12,522.85	22.65	22.14	169.22	-1,107.07	223.28	882.51	828.34	54.17	16.292		
12,900.00	11,656.81	13,753.17	12,523.72	23.58	23.06	169.22	-1,207.06	224.15	882.51	828.03	54.47	16.201		
13,000.00	11,657.69	13,853.17	12,524.60	24.56	24.03	169.22	-1,307.06	225.01	882.50	827.71	54.79	16.106		
13,100.00	11,658.57	13,953.17	12,525.47	25.57	25.04	169.22	-1,407.05	225.87	882.50	827.37	55.13	16.007		
13,200.00	11,659.44	14,053.17	12,526.34	26.62	26.09	169.22	-1,507.04	226.73	882.50	827.01	55.49	15.905		
13,300.00	11,660.32	14,153.17	12,527.22	27.69	27.16	169.22	-1,607.03	227.59	882.49	826.64	55.86	15.799		
13,400.00	11,661.19	14,253.17	12,528.09	28.80	28.26	169.22	-1,707.03	228.45	882.49	826.24	56.25	15.690		
13,500.00	11,662.07	14,353.17	12,528.96	29.92	29.39	169.22	-1,807.02	229.31	882.49	825.84	56.65	15.578		
13,600.00	11,662.95	14,453.17	12,529.84	31.07	30.53	169.22	-1,907.01	230.17	882.48	825.41	57.07	15.463		
13,700.00	11,663.82	14,553.17	12,530.71	32.23	31.70	169.22	-2,007.00	231.03	882.48	824.98	57.51	15.346		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)			
13,800.00	11,664.70	14,653.17	12,531.58	33.41	32.88	169.22	169.22	169.22	-2,107.00	231.89	882.48	824.52	57.96	15.227	
13,900.00	11,665.58	14,753.17	12,532.46	34.61	34.07	169.22	169.22	169.22	-2,206.99	232.75	882.48	824.05	58.42	15.105	
14,000.00	11,666.45	14,853.17	12,533.33	35.81	35.28	169.22	169.22	169.22	-2,306.98	233.62	882.47	823.57	58.90	14.982	
14,100.00	11,667.33	14,953.17	12,534.20	37.03	36.50	169.22	169.22	169.22	-2,406.97	234.48	882.47	823.07	59.39	14.858	
14,200.00	11,668.21	15,053.17	12,535.08	38.26	37.73	169.22	169.22	169.22	-2,506.97	235.34	882.47	822.56	59.90	14.732	
14,300.00	11,669.08	15,153.17	12,535.95	39.50	38.96	169.22	169.22	169.22	-2,606.96	236.20	882.46	822.04	60.42	14.605	
14,400.00	11,669.96	15,253.17	12,536.82	40.75	40.21	169.22	169.22	169.22	-2,706.95	237.06	882.46	821.50	60.96	14.477	
14,500.00	11,670.84	15,353.17	12,537.70	42.00	41.47	169.22	169.22	169.22	-2,806.94	237.92	882.46	820.96	61.50	14.348	
14,600.00	11,671.71	15,453.17	12,538.57	43.27	42.73	169.22	169.22	169.22	-2,906.94	238.78	882.45	820.39	62.06	14.219	
14,700.00	11,672.59	15,553.17	12,539.44	44.53	44.00	169.22	169.22	169.22	-3,006.93	239.64	882.45	819.82	62.63	14.090	
14,800.00	11,673.46	15,653.17	12,540.32	45.81	45.27	169.22	169.22	169.22	-3,106.92	240.50	882.45	819.24	63.21	13.960	
14,900.00	11,674.34	15,753.17	12,541.19	47.09	46.55	169.22	169.22	169.22	-3,206.91	241.36	882.45	818.64	63.81	13.830	
15,000.00	11,675.22	15,853.17	12,542.06	48.37	47.84	169.22	169.22	169.22	-3,306.91	242.23	882.44	818.03	64.41	13.700	
15,100.00	11,676.09	15,953.17	12,542.94	49.66	49.13	169.22	169.22	169.22	-3,406.90	243.09	882.44	817.42	65.03	13.571	
15,200.00	11,676.97	16,053.17	12,543.81	50.96	50.42	169.22	169.22	169.22	-3,506.89	243.95	882.44	816.79	65.65	13.441	
15,300.00	11,677.85	16,153.17	12,544.68	52.26	51.72	169.22	169.22	169.22	-3,606.88	244.81	882.43	816.15	66.29	13.313	
15,400.00	11,678.72	16,253.17	12,545.56	53.56	53.02	169.22	169.22	169.22	-3,706.88	245.67	882.43	815.50	66.93	13.184	
15,500.00	11,679.60	16,353.17	12,546.43	54.86	54.33	169.22	169.22	169.22	-3,806.87	246.53	882.43	814.84	67.59	13.056	
15,600.00	11,680.48	16,453.17	12,547.30	56.17	55.64	169.22	169.22	169.22	-3,906.86	247.39	882.43	814.18	68.25	12.929	
15,700.00	11,681.35	16,553.17	12,548.18	57.48	56.95	169.22	169.22	169.22	-4,006.85	248.25	882.42	813.50	68.92	12.803	
15,800.00	11,682.23	16,653.17	12,549.05	58.79	58.26	169.22	169.22	169.22	-4,106.85	249.11	882.42	812.82	69.60	12.678	
15,900.00	11,683.10	16,753.17	12,549.92	60.11	59.58	169.22	169.22	169.22	-4,206.84	249.97	882.42	812.12	70.29	12.553	
16,000.00	11,683.98	16,853.17	12,550.80	61.43	60.90	169.22	169.22	169.22	-4,306.83	250.84	882.41	811.42	70.99	12.430	
16,100.00	11,684.86	16,953.17	12,551.67	62.75	62.22	169.22	169.22	169.22	-4,406.82	251.70	882.41	810.71	71.70	12.307	
16,200.00	11,685.73	17,053.17	12,552.54	64.07	63.54	169.22	169.22	169.22	-4,506.82	252.56	882.41	809.99	72.41	12.186	
16,300.00	11,686.61	17,153.17	12,553.42	65.40	64.87	169.22	169.22	169.22	-4,606.81	253.42	882.40	809.27	73.14	12.065	
16,400.00	11,687.49	17,253.17	12,554.29	66.72	66.19	169.22	169.22	169.22	-4,706.80	254.28	882.40	808.54	73.86	11.946	
16,500.00	11,688.36	17,353.17	12,555.16	68.05	67.52	169.22	169.22	169.22	-4,806.79	255.14	882.40	807.80	74.60	11.828	
16,600.00	11,689.24	17,453.17	12,556.04	69.38	68.85	169.22	169.22	169.22	-4,906.79	256.00	882.40	807.05	75.34	11.712	
16,700.00	11,690.12	17,553.17	12,556.91	70.71	70.18	169.22	169.22	169.22	-5,006.78	256.86	882.39	806.30	76.09	11.596	
16,800.00	11,690.99	17,653.17	12,557.78	72.05	71.52	169.22	169.22	169.22	-5,106.77	257.72	882.39	805.54	76.85	11.482	
16,900.00	11,691.87	17,753.17	12,558.66	73.38	72.85	169.22	169.22	169.22	-5,206.76	258.58	882.39	804.78	77.61	11.369	
17,000.00	11,692.75	17,853.17	12,559.53	74.72	74.19	169.22	169.22	169.22	-5,306.76	259.45	882.38	804.00	78.38	11.258	
17,100.00	11,693.62	17,953.17	12,560.40	76.05	75.53	169.22	169.22	169.22	-5,406.75	260.31	882.38	803.23	79.15	11.148	
17,200.00	11,694.50	18,053.17	12,561.28	77.39	76.86	169.22	169.22	169.22	-5,506.74	261.17	882.38	802.44	79.93	11.039	
17,300.00	11,695.37	18,153.17	12,562.15	78.73	78.20	169.22	169.22	169.22	-5,606.73	262.03	882.38	801.65	80.72	10.931	
17,400.00	11,696.25	18,253.17	12,563.03	80.07	79.54	169.22	169.22	169.22	-5,706.73	262.89	882.37	800.86	81.51	10.825	
17,500.00	11,697.13	18,353.17	12,563.90	81.41	80.88	169.22	169.22	169.22	-5,806.72	263.75	882.37	800.06	82.31	10.720	
17,600.00	11,698.00	18,453.17	12,564.77	82.75	82.23	169.22	169.22	169.22	-5,906.71	264.61	882.37	799.26	83.11	10.617	
17,700.00	11,698.88	18,553.17	12,565.65	84.10	83.57	169.22	169.22	169.22	-6,006.70	265.47	882.36	798.45	83.92	10.515	
17,800.00	11,699.76	18,653.17	12,566.52	85.44	84.91	169.22	169.22	169.22	-6,106.70	266.33	882.36	797.63	84.73	10.414	
17,900.00	11,700.63	18,753.17	12,567.39	86.79	86.26	169.22	169.22	169.22	-6,206.69	267.19	882.36	796.81	85.54	10.315	
18,000.00	11,701.51	18,853.17	12,568.27	88.13	87.60	169.22	169.22	169.22	-6,306.68	268.05	882.35	795.99	86.36	10.217	
18,100.00	11,702.39	18,953.17	12,569.14	89.48	88.95	169.22	169.22	169.22	-6,406.67	268.92	882.35	795.16	87.19	10.120	
18,200.00	11,703.26	19,053.17	12,570.01	90.83	90.30	169.22	169.22	169.22	-6,506.67	269.78	882.35	794.33	88.02	10.025	
18,300.00	11,704.14	19,153.17	12,570.89	92.17	91.65	169.22	169.22	169.22	-6,606.66	270.64	882.35	793.49	88.85	9.930	
18,400.00	11,705.02	19,253.17	12,571.76	93.52	92.99	169.22	169.22	169.22	-6,706.65	271.50	882.34	792.65	89.69	9.838	
18,500.00	11,705.89	19,353.17	12,572.63	94.87	94.34	169.22	169.22	169.22	-6,806.64	272.36	882.34	791.81	90.53	9.746	
18,600.00	11,706.77	19,453.17	12,573.51	96.22	95.69	169.22	169.22	169.22	-6,906.64	273.22	882.34	790.96	91.38	9.656	
18,700.00	11,707.64	19,553.17	12,574.38	97.57	97.04	169.22	169.22	169.22	-7,006.63	274.08	882.33	790.11	92.23	9.567	
18,800.00	11,708.52	19,653.17	12,575.25	98.92	98.39	169.22	169.22	169.22	-7,106.62	274.94	882.33	789.25	93.08	9.479	
18,900.00	11,709.40	19,753.17	12,576.13	100.27	99.75	169.22	169.22	169.22	-7,206.61	275.80	882.33	788.39	93.94	9.393	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,000.00	11,710.27	19,853.17	12,577.00	101.62	101.10	169.22	-7,306.61	276.66	882.32	787.53	94.80	9.308			
19,100.00	11,711.15	19,953.17	12,577.87	102.97	102.45	169.22	-7,406.60	277.53	882.32	786.66	95.66	9.224			
19,200.00	11,712.03	20,053.17	12,578.75	104.33	103.80	169.22	-7,506.59	278.39	882.32	785.79	96.53	9.141			
19,300.00	11,712.90	20,153.17	12,579.62	105.68	105.16	169.22	-7,606.58	279.25	882.32	784.92	97.40	9.059			
19,400.00	11,713.78	20,253.17	12,580.49	107.03	106.51	169.22	-7,706.58	280.11	882.31	784.04	98.27	8.979			
19,500.00	11,714.66	20,353.17	12,581.37	108.39	107.86	169.22	-7,806.57	280.97	882.31	783.17	99.14	8.899			
19,600.00	11,715.53	20,453.17	12,582.24	109.74	109.22	169.22	-7,906.56	281.83	882.31	782.28	100.02	8.821			
19,700.00	11,716.41	20,553.17	12,583.11	111.10	110.57	169.22	-8,006.55	282.69	882.30	781.40	100.91	8.744			
19,800.00	11,717.28	20,653.17	12,583.99	112.45	111.93	169.22	-8,106.55	283.55	882.30	780.51	101.79	8.668			
19,900.00	11,718.16	20,753.17	12,584.86	113.81	113.28	169.22	-8,206.54	284.41	882.30	779.62	102.68	8.593			
20,000.00	11,719.04	20,853.17	12,585.73	115.16	114.64	169.22	-8,306.53	285.27	882.30	778.73	103.57	8.519			
20,100.00	11,719.91	20,953.17	12,586.61	116.52	115.99	169.22	-8,406.52	286.14	882.29	777.83	104.46	8.446			
20,200.00	11,720.79	21,053.17	12,587.48	117.87	117.35	169.22	-8,506.52	287.00	882.29	776.93	105.35	8.374			
20,300.00	11,721.67	21,153.17	12,588.35	119.23	118.71	169.22	-8,606.51	287.86	882.29	776.03	106.25	8.304			
20,400.00	11,722.54	21,253.17	12,589.23	120.59	120.07	169.22	-8,706.50	288.72	882.28	775.13	107.15	8.234			
20,500.00	11,723.42	21,353.17	12,590.10	121.95	121.42	169.22	-8,806.49	289.58	882.28	774.23	108.05	8.165			
20,600.00	11,724.30	21,453.17	12,590.97	123.30	122.78	169.22	-8,906.49	290.44	882.28	773.32	108.96	8.097			
20,700.00	11,725.17	21,553.17	12,591.85	124.66	124.14	169.22	-9,006.48	291.30	882.27	772.41	109.86	8.031			
20,800.00	11,726.05	21,653.17	12,592.72	126.02	125.50	169.22	-9,106.47	292.16	882.27	771.50	110.77	7.965			
20,900.00	11,726.93	21,753.17	12,593.59	127.38	126.85	169.22	-9,206.46	293.02	882.27	770.58	111.68	7.900			
21,000.00	11,727.80	21,853.17	12,594.47	128.74	128.21	169.22	-9,306.46	293.88	882.27	769.67	112.60	7.836			
21,100.00	11,728.68	21,953.17	12,595.34	130.09	129.57	169.22	-9,406.45	294.75	882.26	768.75	113.51	7.772			
21,200.00	11,729.55	22,053.17	12,596.21	131.45	130.93	169.22	-9,506.44	295.61	882.26	767.83	114.43	7.710			
21,300.00	11,730.43	22,153.17	12,597.09	132.81	132.29	169.22	-9,606.43	296.47	882.26	766.91	115.35	7.649			
21,400.00	11,731.31	22,253.17	12,597.96	134.17	133.65	169.22	-9,706.43	297.33	882.25	765.99	116.27	7.588			
21,500.00	11,732.18	22,353.17	12,598.83	135.53	135.01	169.22	-9,806.42	298.19	882.25	765.06	117.19	7.528			
21,600.00	11,733.06	22,453.17	12,599.71	136.89	136.37	169.22	-9,906.41	299.05	882.25	764.13	118.11	7.469			
21,700.00	11,733.94	22,553.17	12,600.58	138.25	137.73	169.22	-10,006.40	299.91	882.24	763.20	119.04	7.411			
21,800.00	11,734.81	22,653.17	12,601.45	139.61	139.09	169.22	-10,106.40	300.77	882.24	762.27	119.97	7.354			
21,900.00	11,735.69	22,753.17	12,602.33	140.97	140.45	169.22	-10,206.39	301.63	882.24	761.34	120.90	7.297			
21,935.47	11,736.00	22,788.63	12,602.64	141.45	140.93	169.22	-10,241.85	301.94	882.24	761.01	121.23	7.278			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error: 0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
800.00	798.94	935.36	934.55	3.51	3.73	14.94	808.99	2,310.99	2,424.07	2,416.97	7.10	341.499	
900.00	898.56	1,033.99	1,032.80	3.75	3.94	15.15	800.91	2,308.05	2,410.18	2,402.64	7.54	319.490	
1,000.00	998.18	1,132.61	1,131.05	3.98	4.14	15.36	792.83	2,305.11	2,396.33	2,388.35	7.98	300.364	
1,100.00	1,097.80	1,231.24	1,229.30	4.21	4.31	15.58	784.75	2,302.17	2,382.51	2,374.14	8.37	284.581	
1,200.00	1,197.42	1,456.75	1,453.56	4.44	4.73	16.09	764.60	2,290.24	2,366.64	2,357.67	8.97	263.806	
1,300.00	1,297.04	1,710.01	1,703.69	4.66	5.30	16.68	737.16	2,261.89	2,344.38	2,334.68	9.70	241.595	
1,400.00	1,396.66	1,954.72	1,942.62	4.87	5.85	17.29	705.92	2,219.51	2,315.88	2,305.47	10.41	222.478	
1,500.00	1,496.28	2,083.28	2,066.90	5.08	6.10	17.62	687.87	2,192.03	2,283.16	2,272.31	10.85	210.413	
1,600.00	1,595.90	2,177.24	2,157.67	5.29	6.31	17.88	674.59	2,171.65	2,250.30	2,239.05	11.25	199.991	
1,700.00	1,695.52	2,271.21	2,248.43	5.50	6.55	18.14	661.31	2,151.28	2,217.49	2,205.82	11.67	190.078	
1,800.00	1,795.14	2,365.18	2,339.20	5.71	6.82	18.40	648.03	2,130.90	2,184.72	2,172.65	12.07	181.040	
1,900.00	1,894.76	2,459.15	2,429.97	5.91	7.10	18.68	634.76	2,110.52	2,151.99	2,139.51	12.47	172.520	
2,000.00	1,994.38	2,553.12	2,520.73	6.11	7.39	18.97	621.48	2,090.14	2,119.31	2,106.43	12.88	164.534	
2,100.00	2,094.00	2,647.09	2,611.50	6.31	7.68	19.26	608.20	2,069.77	2,086.68	2,073.39	13.29	157.035	
2,200.00	2,193.62	2,741.06	2,702.27	6.52	7.97	19.56	594.92	2,049.39	2,054.10	2,040.39	13.71	149.867	
2,206.41	2,200.00	2,747.08	2,708.08	6.53	7.99	19.58	594.07	2,048.08	2,052.01	2,038.28	13.73	149.422	
2,300.00	2,293.13	2,834.63	2,792.65	6.73	8.27	20.06	581.70	2,029.10	2,020.55	2,006.42	14.13	143.018	
2,400.00	2,392.34	2,927.24	2,882.10	6.97	8.57	20.62	568.61	2,009.01	1,984.77	1,970.20	14.57	136.259	
2,500.00	2,491.20	3,018.84	2,970.58	7.20	8.87	21.24	555.66	1,989.15	1,946.79	1,931.79	15.00	129.755	
2,539.71	2,530.34	3,054.91	3,005.42	7.26	8.99	21.51	550.57	1,981.33	1,931.11	1,915.96	15.15	127.485	
2,600.00	2,589.72	3,109.55	3,058.20	7.35	9.17	21.78	542.84	1,969.48	1,907.06	1,891.69	15.37	124.066	
2,700.00	2,688.20	3,200.19	3,145.75	7.56	9.47	22.24	530.04	1,949.83	1,867.26	1,851.47	15.78	118.294	
2,800.00	2,786.68	3,290.82	3,233.29	7.76	9.77	22.73	517.23	1,930.17	1,827.57	1,811.37	16.20	112.802	
2,900.00	2,885.16	3,381.45	3,320.83	7.97	10.07	23.23	504.42	1,910.52	1,787.99	1,771.37	16.62	107.574	
3,000.00	2,983.64	3,472.08	3,408.37	8.18	10.38	23.76	491.61	1,890.87	1,748.55	1,731.50	17.04	102.593	
3,100.00	3,082.12	3,562.71	3,495.92	8.38	10.68	24.31	478.81	1,871.21	1,709.23	1,691.76	17.47	97.843	
3,200.00	3,180.60	3,653.34	3,583.46	8.59	10.99	24.89	466.00	1,851.56	1,670.06	1,652.17	17.90	93.310	
3,300.00	3,279.09	3,743.97	3,671.00	8.80	11.30	25.49	453.19	1,831.90	1,631.05	1,612.72	18.33	88.979	
3,400.00	3,377.57	3,834.60	3,758.54	9.00	11.61	26.12	440.39	1,812.25	1,592.20	1,573.43	18.77	84.840	
3,500.00	3,476.05	3,925.23	3,846.09	9.21	11.92	26.78	427.58	1,792.60	1,553.53	1,534.32	19.21	80.882	
3,600.00	3,574.53	4,015.87	3,933.63	9.42	12.23	27.48	414.77	1,772.94	1,515.05	1,495.40	19.65	77.093	
3,695.67	3,668.75	4,102.58	4,017.39	9.61	12.53	28.18	402.52	1,754.14	1,478.43	1,458.35	20.08	73.634	
3,700.00	3,673.01	4,106.50	4,021.17	9.62	12.55	28.19	401.96	1,753.29	1,476.78	1,456.68	20.09	73.491	
3,800.00	3,771.73	4,197.72	4,109.29	9.84	12.86	28.65	389.07	1,733.51	1,439.89	1,419.33	20.56	70.034	
3,900.00	3,870.82	4,289.98	4,198.40	10.06	13.18	29.11	376.03	1,713.50	1,405.35	1,384.33	21.02	66.849	
4,000.00	3,970.24	4,383.22	4,288.46	10.27	13.51	29.56	362.86	1,693.28	1,373.17	1,351.69	21.48	63.917	
4,100.00	4,069.90	4,477.37	4,379.41	10.47	13.84	30.01	349.55	1,672.87	1,343.35	1,321.41	21.94	61.226	
4,200.00	4,169.75	4,572.37	4,471.17	10.66	14.17	30.45	336.13	1,652.26	1,315.87	1,293.48	22.39	58.769	
4,300.00	4,269.70	4,652.26	4,548.43	10.84	14.44	30.77	325.04	1,635.25	1,291.15	1,268.33	22.82	56.574	
4,362.30	4,332.00	4,700.00	4,594.79	10.89	14.60	87.00	318.81	1,625.68	1,277.71	1,254.67	23.04	55.457	
4,400.00	4,369.70	4,727.36	4,621.42	10.91	14.68	87.15	315.38	1,620.42	1,270.18	1,247.03	23.15	54.866	
4,500.00	4,469.70	4,800.00	4,692.33	10.99	14.91	87.51	306.78	1,607.23	1,251.41	1,227.92	23.49	53.275	
4,600.00	4,569.70	4,879.80	4,770.56	11.07	15.13	87.89	298.18	1,594.04	1,234.41	1,210.59	23.82	51.822	
4,700.00	4,669.70	4,956.93	4,846.47	11.16	15.33	88.22	290.72	1,582.59	1,219.18	1,195.05	24.13	50.517	
4,800.00	4,769.70	5,034.60	4,923.17	11.24	15.52	88.53	284.06	1,572.37	1,205.73	1,181.30	24.44	49.344	
4,900.00	4,869.70	5,112.73	5,000.56	11.32	15.69	88.80	278.22	1,563.40	1,194.06	1,169.33	24.72	48.300	
5,000.00	4,969.70	5,200.00	5,087.25	11.41	15.86	89.06	272.72	1,554.96	1,184.19	1,159.18	25.00	47.358	
5,100.00	5,069.70	5,270.17	5,157.10	11.49	15.97	89.23	269.08	1,549.37	1,176.00	1,150.76	25.24	46.586	
5,200.00	5,169.70	5,349.34	5,236.04	11.57	16.09	89.39	265.81	1,544.36	1,169.62	1,144.14	25.48	45.906	
5,300.00	5,269.70	5,428.73	5,315.31	11.66	16.19	89.50	263.44	1,540.72	1,165.00	1,139.30	25.70	45.338	
5,400.00	5,369.70	5,500.00	5,386.54	11.74	16.27	89.57	262.07	1,538.62	1,162.17	1,136.29	25.88	44.907	
5,500.00	5,469.70	5,587.88	5,474.41	11.82	16.33	89.60	261.39	1,537.57	1,161.02	1,134.99	26.03	44.606	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
5,538.45	5,508.14	5,623.62	5,510.14	11.85	16.35	89.60	261.38	1,537.56	1,161.01	1,134.93		26.08	44.525	
5,600.00	5,569.70	5,685.17	5,571.70	11.91	16.37	89.60	261.38	1,537.56	1,161.01	1,134.86		26.15	44.400	
5,700.00	5,669.70	5,785.17	5,671.70	11.99	16.40	89.60	261.38	1,537.56	1,161.01	1,134.74		26.27	44.198	
5,800.00	5,769.70	5,885.17	5,771.70	12.07	16.44	89.60	261.38	1,537.56	1,161.01	1,134.62		26.39	43.998	
5,900.00	5,869.70	5,985.17	5,871.70	12.16	16.48	89.60	261.38	1,537.56	1,161.01	1,134.50		26.51	43.799	
6,000.00	5,969.70	6,085.17	5,971.70	12.24	16.52	89.60	261.38	1,537.56	1,161.01	1,134.38		26.63	43.601	
6,100.00	6,069.70	6,185.17	6,071.70	12.32	16.55	89.60	261.38	1,537.56	1,161.01	1,134.26		26.75	43.404	
6,200.00	6,169.70	6,285.17	6,171.70	12.40	16.59	89.60	261.38	1,537.56	1,161.01	1,134.14		26.87	43.209	
6,300.00	6,269.70	6,385.17	6,271.70	12.49	16.63	89.60	261.38	1,537.56	1,161.01	1,134.02		26.99	43.015	
6,400.00	6,369.70	6,485.17	6,371.70	12.57	16.67	89.60	261.38	1,537.56	1,161.01	1,133.90		27.11	42.822	
6,500.00	6,469.70	6,585.17	6,471.70	12.65	16.71	89.60	261.38	1,537.56	1,161.01	1,133.77		27.23	42.630	
6,600.00	6,569.70	6,685.17	6,571.70	12.74	16.75	89.60	261.38	1,537.56	1,161.01	1,133.65		27.36	42.439	
6,700.00	6,669.70	6,785.17	6,671.70	12.82	16.79	89.60	261.38	1,537.56	1,161.01	1,133.53		27.48	42.250	
6,800.00	6,769.70	6,885.17	6,771.70	12.90	16.83	89.60	261.38	1,537.56	1,161.01	1,133.41		27.60	42.062	
6,900.00	6,869.70	6,985.17	6,871.70	12.99	16.87	89.60	261.38	1,537.56	1,161.01	1,133.28		27.73	41.874	
7,000.00	6,969.70	7,085.17	6,971.70	13.07	16.91	89.60	261.38	1,537.56	1,161.01	1,133.16		27.85	41.689	
7,100.00	7,069.70	7,185.17	7,071.70	13.15	16.95	89.60	261.38	1,537.56	1,161.01	1,133.03		27.97	41.504	
7,200.00	7,169.70	7,285.17	7,171.70	13.24	16.99	89.60	261.38	1,537.56	1,161.01	1,132.91		28.10	41.320	
7,300.00	7,269.70	7,385.17	7,271.70	13.32	17.03	89.60	261.38	1,537.56	1,161.01	1,132.79		28.22	41.138	
7,400.00	7,369.70	7,485.17	7,371.70	13.40	17.07	89.60	261.38	1,537.56	1,161.01	1,132.66		28.35	40.957	
7,500.00	7,469.70	7,585.17	7,471.70	13.48	17.11	89.60	261.38	1,537.56	1,161.01	1,132.54		28.47	40.777	
7,600.00	7,569.70	7,685.17	7,571.70	13.57	17.16	89.60	261.38	1,537.56	1,161.01	1,132.41		28.60	40.598	
7,700.00	7,669.70	7,785.17	7,671.70	13.65	17.20	89.60	261.38	1,537.56	1,161.01	1,132.28		28.72	40.420	
7,800.00	7,769.70	7,885.17	7,771.70	13.73	17.24	89.60	261.38	1,537.56	1,161.01	1,132.16		28.85	40.244	
7,900.00	7,869.70	7,985.17	7,871.70	13.82	17.28	89.60	261.38	1,537.56	1,161.01	1,132.03		28.98	40.068	
8,000.00	7,969.70	8,085.17	7,971.70	13.90	17.33	89.60	261.38	1,537.56	1,161.01	1,131.91		29.10	39.894	
8,100.00	8,069.70	8,185.17	8,071.70	13.98	17.37	89.60	261.38	1,537.56	1,161.01	1,131.78		29.23	39.720	
8,200.00	8,169.70	8,285.17	8,171.70	14.07	17.42	89.60	261.38	1,537.56	1,161.01	1,131.65		29.36	39.548	
8,300.00	8,269.70	8,385.17	8,271.70	14.15	17.46	89.60	261.38	1,537.56	1,161.01	1,131.52		29.48	39.377	
8,400.00	8,369.70	8,485.17	8,371.70	14.23	17.50	89.60	261.38	1,537.56	1,161.01	1,131.40		29.61	39.207	
8,500.00	8,469.70	8,585.17	8,471.70	14.31	17.55	89.60	261.38	1,537.56	1,161.01	1,131.27		29.74	39.038	
8,600.00	8,569.70	8,685.17	8,571.70	14.40	17.59	89.60	261.38	1,537.56	1,161.01	1,131.14		29.87	38.871	
8,700.00	8,669.70	8,785.17	8,671.70	14.48	17.64	89.60	261.38	1,537.56	1,161.01	1,131.01		30.00	38.704	
8,800.00	8,769.70	8,885.17	8,771.70	14.56	17.69	89.60	261.38	1,537.56	1,161.01	1,130.88		30.13	38.538	
8,900.00	8,869.70	8,985.17	8,871.70	14.65	17.73	89.60	261.38	1,537.56	1,161.01	1,130.75		30.26	38.374	
9,000.00	8,969.70	9,085.17	8,971.70	14.73	17.78	89.60	261.38	1,537.56	1,161.01	1,130.62		30.38	38.210	
9,100.00	9,069.70	9,185.17	9,071.70	14.81	17.82	89.60	261.38	1,537.56	1,161.01	1,130.49		30.51	38.048	
9,200.00	9,169.70	9,285.17	9,171.70	14.90	17.87	89.60	261.38	1,537.56	1,161.01	1,130.36		30.64	37.886	
9,300.00	9,269.70	9,385.17	9,271.70	14.98	17.92	89.60	261.38	1,537.56	1,161.01	1,130.23		30.77	37.726	
9,400.00	9,369.70	9,485.17	9,371.70	15.06	17.96	89.60	261.38	1,537.56	1,161.01	1,130.10		30.91	37.567	
9,500.00	9,469.70	9,585.17	9,471.70	15.14	18.01	89.60	261.38	1,537.56	1,161.01	1,129.97		31.04	37.408	
9,600.00	9,569.70	9,685.17	9,571.70	15.23	18.06	89.60	261.38	1,537.56	1,161.01	1,129.84		31.17	37.251	
9,700.00	9,669.70	9,785.17	9,671.70	15.31	18.11	89.60	261.38	1,537.56	1,161.01	1,129.71		31.30	37.095	
9,800.00	9,769.70	9,885.17	9,771.70	15.39	18.16	89.60	261.38	1,537.56	1,161.01	1,129.58		31.43	36.939	
9,900.00	9,869.70	9,985.17	9,871.70	15.48	18.20	89.60	261.38	1,537.56	1,161.01	1,129.45		31.56	36.785	
10,000.00	9,969.70	10,085.17	9,971.70	15.56	18.25	89.60	261.38	1,537.56	1,161.01	1,129.31		31.69	36.632	
10,100.00	10,069.70	10,185.17	10,071.70	15.64	18.30	89.60	261.38	1,537.56	1,161.01	1,129.18		31.83	36.480	
10,200.00	10,169.70	10,285.17	10,171.70	15.72	18.35	89.60	261.38	1,537.56	1,161.01	1,129.05		31.96	36.328	
10,300.00	10,269.70	10,385.17	10,271.70	15.81	18.40	89.60	261.38	1,537.56	1,161.01	1,128.92		32.09	36.178	
10,400.00	10,369.70	10,485.17	10,371.70	15.89	18.45	89.60	261.38	1,537.56	1,161.01	1,128.78		32.22	36.029	
10,500.00	10,469.70	10,585.17	10,471.70	15.97	18.50	89.60	261.38	1,537.56	1,161.01	1,128.65		32.36	35.880	
10,600.00	10,569.70	10,685.17	10,571.70	16.06	18.55	89.60	261.38	1,537.56	1,161.01	1,128.52		32.49	35.733	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,900.00	11,718.16	20,783.47	12,497.47	113.81	124.49	-123.73	-8,198.13	1,613.65	1,399.90	1,195.02		204.89	6.833	
20,000.00	11,719.04	20,883.47	12,497.99	115.16	125.84	-123.72	-8,298.12	1,614.55	1,399.74	1,192.54		207.20	6.755	
20,100.00	11,719.91	20,983.47	12,498.52	116.52	127.20	-123.70	-8,398.11	1,615.45	1,399.58	1,190.06		209.52	6.680	
20,200.00	11,720.79	21,083.47	12,499.04	117.87	128.55	-123.69	-8,498.11	1,616.35	1,399.41	1,187.58		211.84	6.606	
20,300.00	11,721.67	21,183.47	12,499.57	119.23	129.91	-123.68	-8,598.10	1,617.25	1,399.25	1,185.10		214.15	6.534	
20,400.00	11,722.54	21,283.47	12,500.10	120.59	131.27	-123.66	-8,698.10	1,618.15	1,399.09	1,182.61		216.48	6.463	
20,500.00	11,723.42	21,383.47	12,500.62	121.95	132.62	-123.65	-8,798.09	1,619.05	1,398.93	1,180.13		218.80	6.394	
20,600.00	11,724.30	21,483.47	12,501.15	123.30	133.98	-123.64	-8,898.08	1,619.95	1,398.76	1,177.64		221.12	6.326	
20,700.00	11,725.17	21,583.47	12,501.68	124.66	135.33	-123.63	-8,998.08	1,620.85	1,398.60	1,175.15		223.45	6.259	
20,800.00	11,726.05	21,683.47	12,502.20	126.02	136.69	-123.61	-9,098.07	1,621.75	1,398.44	1,172.67		225.77	6.194	
20,900.00	11,726.93	21,783.47	12,502.73	127.38	138.05	-123.60	-9,198.06	1,622.65	1,398.28	1,170.18		228.10	6.130	
21,000.00	11,727.80	21,883.47	12,503.25	128.74	139.41	-123.59	-9,298.06	1,623.55	1,398.12	1,167.69		230.43	6.067	
21,100.00	11,728.68	21,983.47	12,503.78	130.09	140.76	-123.58	-9,398.05	1,624.44	1,397.96	1,165.19		232.76	6.006	
21,200.00	11,729.55	22,083.46	12,504.31	131.45	142.12	-123.56	-9,498.05	1,625.34	1,397.79	1,162.70		235.09	5.946	
21,300.00	11,730.43	22,183.46	12,504.83	132.81	143.48	-123.55	-9,598.04	1,626.24	1,397.63	1,160.20		237.43	5.887	
21,400.00	11,731.31	22,283.46	12,505.36	134.17	144.84	-123.54	-9,698.03	1,627.14	1,397.47	1,157.71		239.76	5.829	
21,500.00	11,732.18	22,383.46	12,505.89	135.53	146.20	-123.52	-9,798.03	1,628.04	1,397.31	1,155.21		242.10	5.772	
21,600.00	11,733.06	22,483.46	12,506.41	136.89	147.55	-123.51	-9,898.02	1,628.94	1,397.15	1,152.71		244.43	5.716	
21,700.00	11,733.94	22,583.46	12,506.94	138.25	148.91	-123.50	-9,998.02	1,629.84	1,396.99	1,150.22		246.77	5.661	
21,800.00	11,734.81	22,683.46	12,507.46	139.61	150.27	-123.49	-10,098.01	1,630.74	1,396.83	1,147.71		249.11	5.607	
21,900.00	11,735.69	22,783.46	12,507.99	140.97	151.63	-123.47	-10,198.00	1,631.64	1,396.66	1,145.21		251.45	5.554	
21,935.47	11,736.00	22,818.93	12,508.18	141.45	152.10	-123.47	-10,233.47	1,631.96	1,396.61	1,144.35		252.25	5.537	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
0.00	0.00	0.00	0.00	0.50	0.50	-172.30	-185.00	-25.00	186.68					
100.00	100.00	100.00	100.00	0.98	0.98	-172.30	-185.00	-25.00	186.68	184.72	1.96	95.140		
200.00	200.00	200.00	200.00	1.56	1.56	-172.30	-185.00	-25.00	186.68	183.56	3.12	59.791		
300.00	300.00	300.00	300.00	1.98	1.98	-172.30	-185.00	-25.00	186.68	182.72	3.96	47.114		
400.00	399.99	403.31	403.30	2.41	2.43	132.26	-183.94	-25.91	186.66	181.92	4.74	39.355		
414.96	414.94	418.75	418.73	2.47	2.48	132.46	-183.60	-26.20	186.66	181.82	4.84	38.531	CC	
500.00	499.91	506.38	506.28	2.79	2.81	134.14	-180.77	-28.63	186.74	181.32	5.42	34.462	ES	
600.00	599.69	608.95	608.62	3.12	3.13	137.25	-175.53	-33.14	187.30	181.29	6.01	31.147		
633.33	632.91	642.72	642.26	3.15	3.17	138.53	-173.36	-35.01	187.71	181.63	6.08	30.882		
700.00	699.32	708.82	708.11	3.26	3.29	141.12	-168.99	-38.77	188.94	182.64	6.30	29.983		
800.00	798.94	807.97	806.89	3.51	3.53	144.93	-162.44	-44.40	191.51	184.70	6.81	28.139		
900.00	898.56	907.13	905.66	3.75	3.77	148.62	-155.89	-50.03	194.91	187.63	7.29	26.742		
1,000.00	998.18	1,006.28	1,004.43	3.98	4.01	152.18	-149.33	-55.67	199.11	191.36	7.75	25.680		
1,100.00	1,097.80	1,105.43	1,103.21	4.21	4.23	155.58	-142.78	-61.30	204.05	195.85	8.20	24.873		
1,200.00	1,197.42	1,204.61	1,202.01	4.44	4.46	158.81	-136.23	-66.94	209.68	201.04	8.65	24.247		
1,300.00	1,297.04	1,304.85	1,301.74	4.66	4.72	162.25	-128.57	-73.52	215.69	206.61	9.08	23.766		
1,400.00	1,396.66	1,404.43	1,400.52	4.87	4.97	166.13	-119.00	-81.75	222.08	212.58	9.50	23.377		
1,500.00	1,496.28	1,503.03	1,498.05	5.08	5.12	170.24	-108.04	-91.17	229.33	219.48	9.85	23.286		
1,600.00	1,595.90	1,601.41	1,595.34	5.29	5.33	174.11	-97.02	-100.65	237.70	227.43	10.27	23.137		
1,700.00	1,695.52	1,699.78	1,692.64	5.50	5.54	177.70	-85.99	-110.14	247.10	236.40	10.69	23.105		
1,800.00	1,795.14	1,798.15	1,789.93	5.71	5.75	178.98	-74.96	-119.62	257.40	246.29	11.11	23.166		
1,900.00	1,894.76	1,896.52	1,887.22	5.91	5.96	175.91	-63.93	-129.10	268.52	257.00	11.52	23.301		
2,000.00	1,994.38	1,994.90	1,984.51	6.11	6.17	173.09	-52.91	-138.59	280.35	268.41	11.93	23.494		
2,100.00	2,094.00	2,093.27	2,081.80	6.31	6.38	170.51	-41.88	-148.07	292.80	280.46	12.34	23.732		
2,200.00	2,193.62	2,191.64	2,179.10	6.52	6.58	168.13	-30.85	-157.55	305.80	293.05	12.75	23.984		
2,206.41	2,200.00	2,197.95	2,185.33	6.53	6.60	167.98	-30.14	-158.16	306.65	293.87	12.78	24.001		
2,300.00	2,293.13	2,289.89	2,276.26	6.73	6.79	165.95	-19.84	-167.02	320.38	307.22	13.16	24.338		
2,400.00	2,392.34	2,387.80	2,373.10	6.97	7.00	164.05	-8.86	-176.46	337.85	324.26	13.59	24.855		
2,500.00	2,491.20	2,485.31	2,469.53	7.20	7.20	162.44	2.07	-185.86	358.06	344.05	14.02	25.540		
2,539.71	2,530.34	2,523.90	2,507.70	7.26	7.28	161.88	6.39	-189.58	366.83	352.67	14.16	25.914		
2,600.00	2,589.72	2,582.44	2,565.60	7.35	7.40	161.15	12.96	-195.23	380.48	366.11	14.37	26.478		
2,700.00	2,688.20	2,679.54	2,661.63	7.56	7.60	160.04	23.84	-204.59	403.24	388.47	14.77	27.301		
2,800.00	2,786.68	2,776.64	2,757.66	7.76	7.80	159.06	34.73	-213.95	426.13	410.95	15.17	28.089		
2,900.00	2,885.16	2,873.73	2,853.69	7.97	8.01	158.17	45.61	-223.31	449.12	433.55	15.57	28.843		
3,000.00	2,983.64	2,970.83	2,949.72	8.18	8.21	157.37	56.50	-232.67	472.21	456.23	15.97	29.566		
3,100.00	3,082.12	3,067.93	3,045.75	8.38	8.41	156.65	67.38	-242.03	495.37	479.00	16.37	30.257		
3,200.00	3,180.60	3,165.02	3,141.78	8.59	8.61	155.98	78.26	-251.39	518.61	501.83	16.77	30.919		
3,300.00	3,279.09	3,262.12	3,237.81	8.80	8.81	155.38	89.15	-260.75	541.90	524.73	17.17	31.553		
3,400.00	3,377.57	3,359.22	3,333.84	9.00	9.01	154.83	100.03	-270.11	565.25	547.67	17.58	32.161		
3,500.00	3,476.05	3,456.31	3,429.86	9.21	9.21	154.32	110.92	-279.47	588.64	570.66	17.98	32.744		
3,600.00	3,574.53	3,553.41	3,525.89	9.42	9.41	153.84	121.80	-288.83	612.08	593.70	18.38	33.303		
3,695.67	3,668.75	3,646.30	3,617.77	9.61	9.60	153.42	132.22	-297.78	634.53	615.77	18.76	33.825		
3,700.00	3,673.01	3,650.50	3,621.92	9.62	9.61	153.41	132.69	-298.19	635.54	616.77	18.77	33.853		
3,800.00	3,771.73	3,747.86	3,718.21	9.84	9.81	153.10	143.60	-307.57	657.81	638.63	19.19	34.284		
3,900.00	3,870.82	3,845.63	3,814.91	10.06	10.01	152.71	154.56	-317.00	677.85	658.26	19.59	34.596		
4,000.00	3,970.24	3,943.77	3,911.97	10.27	10.21	152.23	165.56	-326.46	695.67	675.67	19.99	34.799		
4,100.00	4,069.90	4,042.19	4,009.31	10.47	10.41	151.66	176.60	-335.95	711.28	690.91	20.38	34.904		
4,200.00	4,169.75	4,140.84	4,106.87	10.66	10.61	151.01	187.65	-345.46	724.73	703.98	20.75	34.922		
4,300.00	4,269.70	4,239.65	4,204.59	10.84	10.82	150.27	198.73	-354.98	736.04	714.93	21.11	34.866		
4,362.30	4,332.00	4,301.26	4,265.52	10.89	10.94	149.70	205.64	-360.92	742.03	720.75	21.28	34.869		
4,400.00	4,369.70	4,338.54	4,302.39	10.91	11.02	149.36	209.82	-364.52	745.42	724.05	21.37	34.889		
4,500.00	4,469.70	4,443.25	4,405.99	10.99	11.23	149.44	221.34	-374.42	754.38	732.72	21.66	34.827		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)				+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)			
4,600.00	4,569.70	4,556.64	4,518.55	11.07	11.47	-91.63	231.73	-383.36	761.97	739.98	21.98	34.663			
4,700.00	4,669.70	4,670.76	4,632.19	11.16	11.70	-91.03	239.63	-390.15	767.77	745.49	22.28	34.457			
4,800.00	4,769.70	4,785.40	4,746.61	11.24	11.92	-90.62	244.97	-394.74	771.71	749.16	22.56	34.211			
4,900.00	4,869.70	4,900.36	4,861.51	11.32	12.12	-90.42	247.70	-397.10	773.74	750.94	22.80	33.929			
5,000.00	4,969.70	5,008.55	4,969.70	11.41	12.20	-90.39	248.09	-397.43	774.03	751.07	22.95	33.722			
5,100.00	5,069.70	5,108.55	5,069.70	11.49	12.28	-90.39	248.09	-397.43	774.03	750.91	23.12	33.484			
5,200.00	5,169.70	5,208.55	5,169.70	11.57	12.36	-90.39	248.09	-397.43	774.03	750.75	23.28	33.249			
5,300.00	5,269.70	5,308.55	5,269.70	11.66	12.44	-90.39	248.09	-397.43	774.03	750.58	23.44	33.017			
5,400.00	5,369.70	5,408.55	5,369.70	11.74	12.52	-90.39	248.09	-397.43	774.03	750.42	23.61	32.788			
5,500.00	5,469.70	5,508.55	5,469.70	11.82	12.61	-90.39	248.09	-397.43	774.03	750.26	23.77	32.563			
5,600.00	5,569.70	5,608.55	5,569.70	11.91	12.69	-90.39	248.09	-397.43	774.03	750.09	23.93	32.341			
5,700.00	5,669.70	5,708.55	5,669.70	11.99	12.77	-90.39	248.09	-397.43	774.03	749.93	24.10	32.121			
5,800.00	5,769.70	5,808.55	5,769.70	12.07	12.85	-90.39	248.09	-397.43	774.03	749.77	24.26	31.905			
5,900.00	5,869.70	5,908.55	5,869.70	12.16	12.93	-90.39	248.09	-397.43	774.03	749.60	24.42	31.692			
6,000.00	5,969.70	6,008.55	5,969.70	12.24	13.01	-90.39	248.09	-397.43	774.03	749.44	24.59	31.481			
6,100.00	6,069.70	6,108.55	6,069.70	12.32	13.10	-90.39	248.09	-397.43	774.03	749.28	24.75	31.273			
6,200.00	6,169.70	6,208.55	6,169.70	12.40	13.18	-90.39	248.09	-397.43	774.03	749.11	24.91	31.068			
6,300.00	6,269.70	6,308.55	6,269.70	12.49	13.26	-90.39	248.09	-397.43	774.03	748.95	25.08	30.866			
6,400.00	6,369.70	6,408.55	6,369.70	12.57	13.34	-90.39	248.09	-397.43	774.03	748.79	25.24	30.666			
6,500.00	6,469.70	6,508.55	6,469.70	12.65	13.42	-90.39	248.09	-397.43	774.03	748.62	25.40	30.469			
6,600.00	6,569.70	6,608.55	6,569.70	12.74	13.51	-90.39	248.09	-397.43	774.03	748.46	25.57	30.274			
6,700.00	6,669.70	6,708.55	6,669.70	12.82	13.59	-90.39	248.09	-397.43	774.03	748.30	25.73	30.082			
6,800.00	6,769.70	6,808.55	6,769.70	12.90	13.67	-90.39	248.09	-397.43	774.03	748.13	25.89	29.892			
6,900.00	6,869.70	6,908.55	6,869.70	12.99	13.75	-90.39	248.09	-397.43	774.03	747.97	26.06	29.705			
7,000.00	6,969.70	7,008.55	6,969.70	13.07	13.83	-90.39	248.09	-397.43	774.03	747.81	26.22	29.520			
7,100.00	7,069.70	7,108.55	7,069.70	13.15	13.92	-90.39	248.09	-397.43	774.03	747.64	26.38	29.337			
7,200.00	7,169.70	7,208.55	7,169.70	13.24	14.00	-90.39	248.09	-397.43	774.03	747.48	26.55	29.156			
7,300.00	7,269.70	7,308.55	7,269.70	13.32	14.08	-90.39	248.09	-397.43	774.03	747.32	26.71	28.978			
7,400.00	7,369.70	7,408.55	7,369.70	13.40	14.16	-90.39	248.09	-397.43	774.03	747.15	26.87	28.802			
7,500.00	7,469.70	7,508.55	7,469.70	13.48	14.24	-90.39	248.09	-397.43	774.03	746.99	27.04	28.628			
7,600.00	7,569.70	7,608.55	7,569.70	13.57	14.33	-90.39	248.09	-397.43	774.03	746.83	27.20	28.456			
7,700.00	7,669.70	7,708.55	7,669.70	13.65	14.41	-90.39	248.09	-397.43	774.03	746.66	27.36	28.286			
7,800.00	7,769.70	7,808.55	7,769.70	13.73	14.49	-90.39	248.09	-397.43	774.03	746.50	27.53	28.118			
7,900.00	7,869.70	7,908.55	7,869.70	13.82	14.57	-90.39	248.09	-397.43	774.03	746.34	27.69	27.953			
8,000.00	7,969.70	8,008.55	7,969.70	13.90	14.65	-90.39	248.09	-397.43	774.03	746.17	27.85	27.789			
8,100.00	8,069.70	8,108.55	8,069.70	13.98	14.74	-90.39	248.09	-397.43	774.03	746.01	28.02	27.627			
8,200.00	8,169.70	8,208.55	8,169.70	14.07	14.82	-90.39	248.09	-397.43	774.03	745.85	28.18	27.467			
8,300.00	8,269.70	8,308.55	8,269.70	14.15	14.90	-90.39	248.09	-397.43	774.03	745.68	28.34	27.308			
8,400.00	8,369.70	8,408.55	8,369.70	14.23	14.98	-90.39	248.09	-397.43	774.03	745.52	28.51	27.152			
8,500.00	8,469.70	8,508.55	8,469.70	14.31	15.06	-90.39	248.09	-397.43	774.03	745.36	28.67	26.997			
8,600.00	8,569.70	8,608.55	8,569.70	14.40	15.15	-90.39	248.09	-397.43	774.03	745.19	28.83	26.844			
8,700.00	8,669.70	8,708.55	8,669.70	14.48	15.23	-90.39	248.09	-397.43	774.03	745.03	29.00	26.693			
8,800.00	8,769.70	8,808.55	8,769.70	14.56	15.31	-90.39	248.09	-397.43	774.03	744.87	29.16	26.544			
8,900.00	8,869.70	8,908.55	8,869.70	14.65	15.39	-90.39	248.09	-397.43	774.03	744.70	29.32	26.396			
9,000.00	8,969.70	9,008.55	8,969.70	14.73	15.47	-90.39	248.09	-397.43	774.03	744.54	29.49	26.250			
9,100.00	9,069.70	9,108.55	9,069.70	14.81	15.56	-90.39	248.09	-397.43	774.03	744.38	29.65	26.105			
9,200.00	9,169.70	9,208.55	9,169.70	14.90	15.64	-90.39	248.09	-397.43	774.03	744.21	29.81	25.962			
9,300.00	9,269.70	9,308.55	9,269.70	14.98	15.72	-90.39	248.09	-397.43	774.03	744.05	29.98	25.821			
9,400.00	9,369.70	9,408.55	9,369.70	15.06	15.80	-90.39	248.09	-397.43	774.03	743.89	30.14	25.681			
9,500.00	9,469.70	9,508.55	9,469.70	15.14	15.89	-90.39	248.09	-397.43	774.03	743.72	30.30	25.542			
9,600.00	9,569.70	9,608.55	9,569.70	15.23	15.97	-90.39	248.09	-397.43	774.03	743.56	30.47	25.406			
9,700.00	9,669.70	9,708.55	9,669.70	15.31	16.05	-90.39	248.09	-397.43	774.03	743.40	30.63	25.270			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.00	9,769.70	9,808.55	9,769.70	15.39	16.13	-90.39	248.09	-397.43	774.03	743.23	30.79	25.136		
9,900.00	9,869.70	9,908.55	9,869.70	15.48	16.21	-90.39	248.09	-397.43	774.03	743.07	30.96	25.004		
10,000.00	9,969.70	10,008.55	9,969.70	15.56	16.30	-90.39	248.09	-397.43	774.03	742.91	31.12	24.872		
10,100.00	10,069.70	10,108.55	10,069.70	15.64	16.38	-90.39	248.09	-397.43	774.03	742.74	31.28	24.743		
10,200.00	10,169.70	10,208.55	10,169.70	15.72	16.46	-90.39	248.09	-397.43	774.03	742.58	31.45	24.614		
10,300.00	10,269.70	10,308.55	10,269.70	15.81	16.54	-90.39	248.09	-397.43	774.03	742.42	31.61	24.487		
10,400.00	10,369.70	10,408.55	10,369.70	15.89	16.62	-90.39	248.09	-397.43	774.03	742.25	31.77	24.361		
10,500.00	10,469.70	10,508.55	10,469.70	15.97	16.71	-90.39	248.09	-397.43	774.03	742.09	31.94	24.237		
10,600.00	10,569.70	10,608.55	10,569.70	16.06	16.79	-90.39	248.09	-397.43	774.03	741.93	32.10	24.113		
10,700.00	10,669.70	10,708.55	10,669.70	16.14	16.87	-90.39	248.09	-397.43	774.03	741.76	32.26	23.991		
10,800.00	10,769.70	10,808.55	10,769.70	16.22	16.95	-90.39	248.09	-397.43	774.03	741.60	32.43	23.870		
10,900.00	10,869.70	10,908.55	10,869.70	16.30	17.04	-90.39	248.09	-397.43	774.03	741.44	32.59	23.751		
11,000.00	10,969.70	11,008.55	10,969.70	16.39	17.12	-90.39	248.09	-397.43	774.03	741.28	32.75	23.632		
11,100.00	11,069.70	11,108.55	11,069.70	16.47	17.20	-90.39	248.09	-397.43	774.03	741.11	32.92	23.512		
11,106.30	11,076.00	11,114.85	11,076.00	16.48	17.20	-90.39	248.09	-397.43	774.03	741.10	32.93	23.505		
11,150.00	11,119.65	11,158.51	11,119.65	16.50	17.24	90.23	248.09	-397.43	774.03	741.06	32.97	23.478		
11,200.00	11,169.28	11,208.13	11,169.28	16.52	17.28	90.66	248.09	-397.43	774.08	741.10	32.98	23.472		
11,250.00	11,218.19	11,257.05	11,218.19	16.54	17.32	91.39	248.09	-397.43	774.27	741.29	32.98	23.478		
11,300.00	11,266.03	11,304.88	11,266.03	16.57	17.36	92.36	248.09	-397.43	774.77	741.80	32.96	23.504		
11,350.00	11,312.42	11,351.27	11,312.42	16.60	17.40	93.53	248.09	-397.43	775.80	742.86	32.94	23.553		
11,400.00	11,357.00	11,395.86	11,357.00	16.63	17.44	94.83	248.09	-397.43	777.66	744.75	32.91	23.633		
11,450.00	11,399.45	11,438.30	11,399.45	16.67	17.47	96.17	248.09	-397.43	780.64	747.78	32.87	23.752		
11,500.00	11,439.44	11,478.29	11,439.44	16.71	17.50	97.48	248.09	-397.43	785.11	752.28	32.83	23.917		
11,550.00	11,476.66	11,515.51	11,476.66	16.75	17.53	98.65	248.09	-397.43	791.37	758.59	32.79	24.138		
11,600.00	11,510.83	11,549.69	11,510.83	16.80	17.56	99.61	248.09	-397.43	799.77	767.01	32.75	24.420		
11,650.00	11,541.70	11,580.55	11,541.70	16.85	17.59	100.26	248.09	-397.43	810.55	777.83	32.72	24.770		
11,700.00	11,569.01	11,607.87	11,569.01	16.91	17.61	100.53	248.09	-397.43	823.95	791.24	32.71	25.192		
11,750.00	11,592.58	11,631.43	11,592.58	16.99	17.63	100.34	248.09	-397.43	840.08	807.38	32.70	25.689		
11,800.00	11,612.22	11,651.07	11,612.22	17.07	17.65	99.62	248.09	-397.43	858.99	826.28	32.71	26.261		
11,850.00	11,627.77	11,666.62	11,627.77	17.17	17.66	98.32	248.09	-397.43	880.63	847.90	32.73	26.907		
11,900.00	11,639.12	11,677.98	11,639.12	17.28	17.67	96.37	248.09	-397.43	904.86	872.10	32.76	27.623		
11,950.00	11,646.19	11,685.05	11,646.19	17.41	17.67	93.76	248.09	-397.43	931.45	898.66	32.79	28.404		
12,000.00	11,648.92	11,687.78	11,648.92	17.55	17.68	90.46	248.09	-397.43	960.11	927.28	32.83	29.242		
12,001.28	11,648.94	11,687.79	11,648.94	17.56	17.68	90.37	248.09	-397.43	960.87	928.03	32.83	29.265		
12,100.00	11,649.80	11,688.65	11,649.80	17.91	17.68	90.43	248.09	-397.43	1,022.46	989.52	32.94	31.044		
12,200.00	11,650.68	11,689.53	11,650.68	18.35	17.68	90.50	248.09	-397.43	1,090.42	1,057.37	33.06	32.988		
12,300.00	11,651.55	13,163.43	12,512.49	18.88	19.08	138.04	-612.41	-390.02	1,157.75	1,111.52	46.23	25.043		
12,400.00	11,652.43	13,263.43	12,513.36	19.49	19.46	138.04	-712.40	-389.16	1,157.75	1,110.98	46.77	24.756		
12,500.00	11,653.31	13,363.43	12,514.24	20.18	19.92	138.04	-812.39	-388.30	1,157.75	1,110.37	47.38	24.438		
12,600.00	11,654.18	13,463.43	12,515.11	20.94	20.48	138.04	-912.38	-387.44	1,157.74	1,109.69	48.06	24.092		
12,700.00	11,655.06	13,563.43	12,515.98	21.77	21.12	138.04	-1,012.38	-386.58	1,157.74	1,108.94	48.80	23.722		
12,800.00	11,655.94	13,663.43	12,516.86	22.65	21.84	138.04	-1,112.37	-385.72	1,157.74	1,108.12	49.62	23.333		
12,900.00	11,656.81	13,763.43	12,517.73	23.58	22.63	138.04	-1,212.36	-384.86	1,157.74	1,107.24	50.49	22.928		
13,000.00	11,657.69	13,863.43	12,518.60	24.56	23.48	138.04	-1,312.35	-383.99	1,157.73	1,106.30	51.43	22.511		
13,100.00	11,658.57	13,963.43	12,519.48	25.57	24.39	138.04	-1,412.35	-383.13	1,157.73	1,105.31	52.42	22.085		
13,200.00	11,659.44	14,063.43	12,520.35	26.62	25.34	138.04	-1,512.34	-382.27	1,157.73	1,104.27	53.46	21.654		
13,300.00	11,660.32	14,163.43	12,521.22	27.69	26.33	138.04	-1,612.33	-381.41	1,157.73	1,103.17	54.56	21.220		
13,400.00	11,661.19	14,263.43	12,522.10	28.80	27.36	138.04	-1,712.32	-380.55	1,157.73	1,102.03	55.70	20.786		
13,500.00	11,662.07	14,363.43	12,522.97	29.92	28.42	138.04	-1,812.32	-379.69	1,157.72	1,100.84	56.88	20.353		
13,600.00	11,662.95	14,463.43	12,523.84	31.07	29.51	138.04	-1,912.31	-378.83	1,157.72	1,099.61	58.11	19.923		
13,700.00	11,663.82	14,563.43	12,524.72	32.23	30.62	138.04	-2,012.30	-377.97	1,157.72	1,098.35	59.37	19.499		
13,800.00	11,664.70	14,663.43	12,525.59	33.41	31.76	138.04	-2,112.29	-377.11	1,157.72	1,097.04	60.67	19.081		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
19,100.00	11,711.15	19,963.43	12,571.87	102.97	100.77	138.04	-7,411.90	-331.48	1,157.59	1,006.31		151.28	7.652	
19,200.00	11,712.03	20,063.43	12,572.74	104.33	102.12	138.04	-7,511.89	-330.62	1,157.59	1,004.44		153.15	7.559	
19,300.00	11,712.90	20,163.43	12,573.62	105.68	103.47	138.04	-7,611.88	-329.76	1,157.59	1,002.57		155.02	7.467	
19,400.00	11,713.78	20,263.43	12,574.49	107.03	104.82	138.04	-7,711.87	-328.90	1,157.59	1,000.70		156.89	7.378	
19,500.00	11,714.66	20,363.43	12,575.36	108.39	106.17	138.04	-7,811.87	-328.04	1,157.58	998.82		158.76	7.291	
19,600.00	11,715.53	20,463.43	12,576.24	109.74	107.52	138.04	-7,911.86	-327.17	1,157.58	996.94		160.64	7.206	
19,700.00	11,716.41	20,563.43	12,577.11	111.10	108.88	138.04	-8,011.85	-326.31	1,157.58	995.06		162.52	7.123	
19,800.00	11,717.28	20,663.43	12,577.98	112.45	110.23	138.04	-8,111.84	-325.45	1,157.58	993.18		164.40	7.041	
19,900.00	11,718.16	20,763.43	12,578.86	113.81	111.58	138.04	-8,211.84	-324.59	1,157.57	991.30		166.28	6.962	
20,000.00	11,719.04	20,863.43	12,579.73	115.16	112.94	138.04	-8,311.83	-323.73	1,157.57	989.41		168.16	6.884	
20,100.00	11,719.91	20,963.43	12,580.60	116.52	114.29	138.04	-8,411.82	-322.87	1,157.57	987.52		170.05	6.807	
20,200.00	11,720.79	21,063.43	12,581.48	117.87	115.65	138.04	-8,511.81	-322.01	1,157.57	985.63		171.93	6.733	
20,300.00	11,721.67	21,163.43	12,582.35	119.23	117.00	138.04	-8,611.81	-321.15	1,157.56	983.74		173.82	6.660	
20,400.00	11,722.54	21,263.43	12,583.22	120.59	118.36	138.04	-8,711.80	-320.29	1,157.56	981.85		175.71	6.588	
20,500.00	11,723.42	21,363.43	12,584.10	121.95	119.71	138.04	-8,811.79	-319.43	1,157.56	979.96		177.60	6.518	
20,600.00	11,724.30	21,463.43	12,584.97	123.30	121.07	138.04	-8,911.78	-318.56	1,157.56	978.07		179.49	6.449	
20,700.00	11,725.17	21,563.43	12,585.84	124.66	122.42	138.03	-9,011.78	-317.70	1,157.56	976.17		181.38	6.382	
20,800.00	11,726.05	21,663.43	12,586.72	126.02	123.78	138.03	-9,111.77	-316.84	1,157.55	974.27		183.28	6.316	
20,900.00	11,726.93	21,763.43	12,587.59	127.38	125.14	138.03	-9,211.76	-315.98	1,157.55	972.38		185.17	6.251	
21,000.00	11,727.80	21,863.43	12,588.46	128.74	126.50	138.03	-9,311.75	-315.12	1,157.55	970.48		187.07	6.188	
21,100.00	11,728.68	21,963.43	12,589.34	130.09	127.85	138.03	-9,411.75	-314.26	1,157.55	968.58		188.97	6.126	
21,200.00	11,729.55	22,063.43	12,590.21	131.45	129.21	138.03	-9,511.74	-313.40	1,157.54	966.68		190.87	6.065	
21,300.00	11,730.43	22,163.43	12,591.08	132.81	130.57	138.03	-9,611.73	-312.54	1,157.54	964.77		192.77	6.005	
21,400.00	11,731.31	22,263.43	12,591.96	134.17	131.93	138.03	-9,711.72	-311.68	1,157.54	962.87		194.67	5.946	
21,500.00	11,732.18	22,363.43	12,592.83	135.53	133.29	138.03	-9,811.71	-310.82	1,157.54	960.96		196.57	5.889	
21,600.00	11,733.06	22,463.43	12,593.70	136.89	134.64	138.03	-9,911.71	-309.96	1,157.53	959.06		198.48	5.832	
21,700.00	11,733.94	22,563.43	12,594.58	138.25	136.00	138.03	-10,011.70	-309.09	1,157.53	957.15		200.38	5.777	
21,800.00	11,734.81	22,663.43	12,595.45	139.61	137.36	138.03	-10,111.69	-308.23	1,157.53	955.24		202.29	5.722	
21,900.00	11,735.69	22,763.43	12,596.32	140.97	138.72	138.03	-10,211.68	-307.37	1,157.53	953.34		204.19	5.669	
21,935.47	11,736.00	22,798.90	12,596.63	141.45	139.21	138.03	-10,247.15	-307.07	1,157.53	952.66		204.87	5.650	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Rule Assigned:		Distance		Minimum Separation		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,600.00	5,569.70	5,627.74	5,603.65	11.91	12.32	85.35	406.51	2,258.13	1,888.03	1,864.72	23.31	80.980	
5,700.00	5,669.70	5,727.19	5,702.56	11.99	12.50	85.66	396.15	2,257.35	1,886.42	1,862.86	23.56	80.057	
5,800.00	5,769.70	5,826.64	5,801.47	12.07	12.68	85.97	385.78	2,256.57	1,884.87	1,861.05	23.81	79.156	
5,900.00	5,869.70	5,926.09	5,900.37	12.16	12.87	86.28	375.42	2,255.78	1,883.37	1,859.31	24.06	78.276	
6,000.00	5,969.70	6,025.55	5,999.28	12.24	13.05	86.60	365.05	2,255.00	1,881.93	1,857.62	24.31	77.417	
6,100.00	6,069.70	6,125.00	6,098.19	12.32	13.23	86.91	354.69	2,254.22	1,880.54	1,855.98	24.56	76.577	
6,200.00	6,169.70	6,224.45	6,197.10	12.40	13.41	87.22	344.32	2,253.43	1,879.22	1,854.41	24.81	75.757	
6,300.00	6,269.70	6,323.90	6,296.00	12.49	13.60	87.54	333.96	2,252.65	1,877.95	1,852.89	25.05	74.956	
6,400.00	6,369.70	6,423.36	6,394.91	12.57	13.78	87.85	323.59	2,251.87	1,876.73	1,851.43	25.30	74.172	
6,500.00	6,469.70	6,522.81	6,493.82	12.65	13.96	88.17	313.23	2,251.08	1,875.58	1,850.03	25.55	73.407	
6,600.00	6,569.70	6,622.26	6,592.73	12.74	14.14	88.49	302.86	2,250.30	1,874.48	1,848.68	25.80	72.658	
6,700.00	6,669.70	6,721.71	6,691.63	12.82	14.32	88.80	292.50	2,249.52	1,873.44	1,847.40	26.04	71.938	
6,800.00	6,769.70	6,819.02	6,788.44	12.90	14.48	89.10	282.66	2,248.77	1,872.49	1,846.23	26.26	71.300	
6,900.00	6,869.70	6,914.53	6,883.64	12.99	14.66	89.33	275.08	2,248.20	1,871.78	1,845.29	26.49	70.669	
7,000.00	6,969.70	7,010.36	6,979.33	13.07	14.83	89.49	269.86	2,247.80	1,871.31	1,844.62	26.69	70.107	
7,100.00	7,069.70	7,106.39	7,075.32	13.15	14.99	89.58	267.04	2,247.59	1,871.06	1,844.19	26.88	69.619	
7,200.00	7,169.70	7,203.78	7,172.70	13.24	15.03	89.60	266.49	2,247.55	1,871.02	1,844.04	26.98	69.348	
7,300.00	7,269.70	7,303.78	7,272.70	13.32	15.05	89.60	266.49	2,247.55	1,871.02	1,843.93	27.08	69.083	
7,400.00	7,369.70	7,403.78	7,372.70	13.40	15.08	89.60	266.49	2,247.55	1,871.02	1,843.83	27.19	68.819	
7,500.00	7,469.70	7,503.78	7,472.70	13.48	15.10	89.60	266.49	2,247.55	1,871.02	1,843.72	27.29	68.556	
7,600.00	7,569.70	7,603.78	7,572.70	13.57	15.13	89.60	266.49	2,247.55	1,871.02	1,843.62	27.40	68.294	
7,700.00	7,669.70	7,703.78	7,672.70	13.65	15.15	89.60	266.49	2,247.55	1,871.02	1,843.51	27.50	68.032	
7,800.00	7,769.70	7,803.78	7,772.70	13.73	15.18	89.60	266.49	2,247.55	1,871.02	1,843.41	27.61	67.772	
7,900.00	7,869.70	7,903.78	7,872.70	13.82	15.21	89.60	266.49	2,247.55	1,871.02	1,843.30	27.71	67.512	
8,000.00	7,969.70	8,003.78	7,972.70	13.90	15.23	89.60	266.49	2,247.55	1,871.02	1,843.20	27.82	67.254	
8,100.00	8,069.70	8,103.78	8,072.70	13.98	15.26	89.60	266.49	2,247.55	1,871.02	1,843.09	27.93	66.997	
8,200.00	8,169.70	8,203.78	8,172.70	14.07	15.29	89.60	266.49	2,247.55	1,871.02	1,842.98	28.03	66.740	
8,300.00	8,269.70	8,303.78	8,272.70	14.15	15.32	89.60	266.49	2,247.55	1,871.02	1,842.87	28.14	66.485	
8,400.00	8,369.70	8,403.78	8,372.70	14.23	15.35	89.60	266.49	2,247.55	1,871.02	1,842.77	28.25	66.230	
8,500.00	8,469.70	8,503.78	8,472.70	14.31	15.37	89.60	266.49	2,247.55	1,871.02	1,842.66	28.36	65.976	
8,600.00	8,569.70	8,603.78	8,572.70	14.40	15.40	89.60	266.49	2,247.55	1,871.02	1,842.55	28.47	65.724	
8,700.00	8,669.70	8,703.78	8,672.70	14.48	15.43	89.60	266.49	2,247.55	1,871.02	1,842.44	28.58	65.472	
8,800.00	8,769.70	8,803.78	8,772.70	14.56	15.46	89.60	266.49	2,247.55	1,871.02	1,842.33	28.69	65.222	
8,900.00	8,869.70	8,903.78	8,872.70	14.65	15.49	89.60	266.49	2,247.55	1,871.02	1,842.22	28.80	64.972	
9,000.00	8,969.70	9,003.78	8,972.70	14.73	15.53	89.60	266.49	2,247.55	1,871.02	1,842.11	28.91	64.724	
9,100.00	9,069.70	9,103.78	9,072.70	14.81	15.56	89.60	266.49	2,247.55	1,871.02	1,842.00	29.02	64.476	
9,200.00	9,169.70	9,203.78	9,172.70	14.90	15.59	89.60	266.49	2,247.55	1,871.02	1,841.89	29.13	64.230	
9,300.00	9,269.70	9,303.78	9,272.70	14.98	15.62	89.60	266.49	2,247.55	1,871.02	1,841.77	29.24	63.984	
9,400.00	9,369.70	9,403.78	9,372.70	15.06	15.65	89.60	266.49	2,247.55	1,871.02	1,841.66	29.35	63.740	
9,500.00	9,469.70	9,503.78	9,472.70	15.14	15.68	89.60	266.49	2,247.55	1,871.02	1,841.55	29.47	63.497	
9,600.00	9,569.70	9,603.78	9,572.70	15.23	15.72	89.60	266.49	2,247.55	1,871.02	1,841.44	29.58	63.254	
9,700.00	9,669.70	9,703.78	9,672.70	15.31	15.75	89.60	266.49	2,247.55	1,871.02	1,841.32	29.69	63.013	
9,800.00	9,769.70	9,803.78	9,772.70	15.39	15.79	89.60	266.49	2,247.55	1,871.02	1,841.21	29.81	62.773	
9,900.00	9,869.70	9,903.78	9,872.70	15.48	15.82	89.60	266.49	2,247.55	1,871.02	1,841.10	29.92	62.533	
10,000.00	9,969.70	10,003.78	9,972.70	15.56	15.85	89.60	266.49	2,247.55	1,871.02	1,840.98	30.03	62.295	
10,100.00	10,069.70	10,103.78	10,072.70	15.64	15.89	89.60	266.49	2,247.55	1,871.02	1,840.87	30.15	62.058	
10,200.00	10,169.70	10,203.78	10,172.70	15.72	15.92	89.60	266.49	2,247.55	1,871.02	1,840.75	30.26	61.822	
10,300.00	10,269.70	10,303.78	10,272.70	15.81	15.96	89.60	266.49	2,247.55	1,871.02	1,840.64	30.38	61.587	
10,400.00	10,369.70	10,403.78	10,372.70	15.89	15.99	89.60	266.49	2,247.55	1,871.02	1,840.52	30.50	61.353	
10,500.00	10,469.70	10,503.78	10,472.70	15.97	16.03	89.60	266.49	2,247.55	1,871.02	1,840.40	30.61	61.120	
10,600.00	10,569.70	10,603.78	10,572.70	16.06	16.07	89.60	266.49	2,247.55	1,871.02	1,840.29	30.73	60.888	
10,700.00	10,669.70	10,703.78	10,672.70	16.14	16.10	89.60	266.49	2,247.55	1,871.02	1,840.17	30.85	60.657	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
14,800.00	11,673.46	15,574.80	12,445.59	45.81	56.03	-112.33	-3,092.01	2,278.08	2,024.42	1,928.09		96.33	21.015	
14,900.00	11,674.34	15,674.80	12,446.12	47.09	57.37	-112.32	-3,192.01	2,278.98	2,024.34	1,925.60		98.73	20.503	
15,000.00	11,675.22	15,774.80	12,446.64	48.37	58.70	-112.31	-3,292.00	2,279.89	2,024.25	1,923.11		101.14	20.014	
15,100.00	11,676.09	15,874.80	12,447.17	49.66	60.04	-112.30	-3,392.00	2,280.80	2,024.16	1,920.60		103.56	19.546	
15,200.00	11,676.97	15,974.80	12,447.69	50.96	61.38	-112.29	-3,491.99	2,281.71	2,024.07	1,918.08		105.98	19.098	
15,300.00	11,677.85	16,074.80	12,448.22	52.26	62.72	-112.28	-3,591.98	2,282.62	2,023.98	1,915.56		108.42	18.669	
15,400.00	11,678.72	16,174.80	12,448.74	53.56	64.06	-112.27	-3,691.98	2,283.53	2,023.89	1,913.04		110.85	18.257	
15,500.00	11,679.60	16,274.80	12,449.27	54.86	65.40	-112.26	-3,791.97	2,284.44	2,023.80	1,910.50		113.30	17.863	
15,600.00	11,680.48	16,374.80	12,449.79	56.17	66.74	-112.25	-3,891.96	2,285.35	2,023.71	1,907.96		115.75	17.484	
15,700.00	11,681.35	16,474.80	12,450.32	57.48	68.09	-112.24	-3,991.96	2,286.26	2,023.62	1,905.42		118.20	17.120	
15,800.00	11,682.23	16,574.80	12,450.84	58.79	69.43	-112.23	-4,091.95	2,287.16	2,023.54	1,902.87		120.66	16.770	
15,900.00	11,683.10	16,674.80	12,451.37	60.11	70.78	-112.22	-4,191.95	2,288.07	2,023.45	1,900.32		123.13	16.433	
16,000.00	11,683.98	16,774.80	12,451.89	61.43	72.12	-112.21	-4,291.94	2,288.98	2,023.36	1,897.76		125.60	16.110	
16,100.00	11,684.86	16,874.80	12,452.42	62.75	73.47	-112.20	-4,391.93	2,289.89	2,023.27	1,895.20		128.07	15.798	
16,200.00	11,685.73	16,974.79	12,452.94	64.07	74.82	-112.19	-4,491.93	2,290.80	2,023.18	1,892.63		130.55	15.497	
16,300.00	11,686.61	17,074.79	12,453.47	65.40	76.17	-112.18	-4,591.92	2,291.71	2,023.09	1,890.06		133.03	15.208	
16,400.00	11,687.49	17,174.79	12,453.99	66.72	77.52	-112.17	-4,691.92	2,292.62	2,023.01	1,887.49		135.52	14.928	
16,500.00	11,688.36	17,274.79	12,454.52	68.05	78.87	-112.16	-4,791.91	2,293.53	2,022.92	1,884.91		138.01	14.658	
16,600.00	11,689.24	17,374.79	12,455.04	69.38	80.22	-112.15	-4,891.90	2,294.44	2,022.83	1,882.33		140.50	14.398	
16,700.00	11,690.12	17,474.79	12,455.57	70.71	81.57	-112.14	-4,991.90	2,295.34	2,022.74	1,879.75		142.99	14.146	
16,800.00	11,690.99	17,574.79	12,456.09	72.05	82.93	-112.13	-5,091.89	2,296.25	2,022.65	1,877.16		145.49	13.902	
16,900.00	11,691.87	17,674.79	12,456.62	73.38	84.28	-112.13	-5,191.88	2,297.16	2,022.56	1,874.58		147.99	13.667	
17,000.00	11,692.75	17,774.79	12,457.14	74.72	85.63	-112.12	-5,291.88	2,298.07	2,022.48	1,871.98		150.49	13.439	
17,100.00	11,693.62	17,874.79	12,457.67	76.05	86.99	-112.11	-5,391.87	2,298.98	2,022.39	1,869.39		153.00	13.218	
17,200.00	11,694.50	17,974.79	12,458.19	77.39	88.34	-112.10	-5,491.87	2,299.89	2,022.30	1,866.80		155.51	13.005	
17,300.00	11,695.37	18,074.79	12,458.72	78.73	89.70	-112.09	-5,591.86	2,300.80	2,022.21	1,864.20		158.02	12.798	
17,400.00	11,696.25	18,174.79	12,459.24	80.07	91.05	-112.08	-5,691.85	2,301.71	2,022.13	1,861.60		160.53	12.597	
17,500.00	11,697.13	18,274.79	12,459.77	81.41	92.41	-112.07	-5,791.85	2,302.62	2,022.04	1,859.00		163.04	12.402	
17,600.00	11,698.00	18,374.79	12,460.29	82.75	93.76	-112.06	-5,891.84	2,303.52	2,021.95	1,856.39		165.56	12.213	
17,700.00	11,698.88	18,474.78	12,460.82	84.10	95.12	-112.05	-5,991.84	2,304.43	2,021.86	1,853.78		168.08	12.029	
17,800.00	11,699.76	18,574.78	12,461.34	85.44	96.48	-112.04	-6,091.83	2,305.34	2,021.78	1,851.18		170.60	11.851	
17,900.00	11,700.63	18,674.78	12,461.87	86.79	97.83	-112.03	-6,191.82	2,306.25	2,021.69	1,848.57		173.12	11.678	
18,000.00	11,701.51	18,774.78	12,462.39	88.13	99.19	-112.02	-6,291.82	2,307.16	2,021.60	1,845.96		175.64	11.510	
18,100.00	11,702.39	18,874.78	12,462.92	89.48	100.55	-112.01	-6,391.81	2,308.07	2,021.51	1,843.34		178.17	11.346	
18,200.00	11,703.26	18,974.78	12,463.44	90.83	101.91	-112.00	-6,491.81	2,308.98	2,021.43	1,840.73		180.70	11.187	
18,300.00	11,704.14	19,074.78	12,463.97	92.17	103.27	-111.99	-6,591.80	2,309.89	2,021.34	1,838.11		183.23	11.032	
18,400.00	11,705.02	19,174.78	12,464.50	93.52	104.62	-111.98	-6,691.79	2,310.80	2,021.25	1,835.49		185.76	10.881	
18,500.00	11,705.89	19,274.78	12,465.02	94.87	105.98	-111.97	-6,791.79	2,311.70	2,021.16	1,832.87		188.29	10.734	
18,600.00	11,706.77	19,374.78	12,465.55	96.22	107.34	-111.96	-6,891.78	2,312.61	2,021.08	1,830.25		190.82	10.591	
18,700.00	11,707.64	19,474.78	12,466.07	97.57	108.70	-111.95	-6,991.77	2,313.52	2,020.99	1,827.63		193.36	10.452	
18,800.00	11,708.52	19,574.78	12,466.60	98.92	110.06	-111.94	-7,091.77	2,314.43	2,020.90	1,825.01		195.89	10.316	
18,900.00	11,709.40	19,674.78	12,467.12	100.27	111.42	-111.93	-7,191.76	2,315.34	2,020.82	1,822.39		198.43	10.184	
19,000.00	11,710.27	19,774.78	12,467.65	101.62	112.78	-111.92	-7,291.76	2,316.25	2,020.73	1,819.76		200.97	10.055	
19,100.00	11,711.15	19,874.78	12,468.17	102.97	114.14	-111.91	-7,391.75	2,317.16	2,020.64	1,817.13		203.51	9.929	
19,200.00	11,712.03	19,974.78	12,468.70	104.33	115.50	-111.90	-7,491.74	2,318.07	2,020.56	1,814.51		206.05	9.806	
19,300.00	11,712.90	20,074.77	12,469.22	105.68	116.87	-111.89	-7,591.74	2,318.97	2,020.47	1,811.88		208.59	9.686	
19,400.00	11,713.78	20,174.77	12,469.75	107.03	118.23	-111.88	-7,691.73	2,319.88	2,020.38	1,809.25		211.14	9.569	
19,500.00	11,714.66	20,274.77	12,470.27	108.39	119.59	-111.87	-7,791.73	2,320.79	2,020.30	1,806.62		213.68	9.455	
19,600.00	11,715.53	20,374.77	12,470.80	109.74	120.95	-111.86	-7,891.72	2,321.70	2,020.21	1,803.98		216.23	9.343	
19,700.00	11,716.41	20,474.77	12,471.32	111.10	122.31	-111.85	-7,991.71	2,322.61	2,020.12	1,801.35		218.77	9.234	
19,800.00	11,717.28	20,574.77	12,471.85	112.45	123.67	-111.84	-8,091.71	2,323.52	2,020.04	1,798.72		221.32	9.127	
19,900.00	11,718.16	20,674.77	12,472.37	113.81	125.04	-111.83	-8,191.70	2,324.43	2,019.95	1,796.08		223.87	9.023	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 216H - OH - Plan 1

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Rule Assigned:		Offset Well Error:		0.00 usft
Reference				Offset		Semi Major Axis			Distance		Warning		0.50 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
20,000.00	11,719.04	20,774.77	12,472.90	115.16	126.40	-111.82	-8,291.69	2,325.34	2,019.87	1,793.45	226.42	8.921		
20,100.00	11,719.91	20,874.77	12,473.42	116.52	127.76	-111.81	-8,391.69	2,326.25	2,019.78	1,790.81	228.97	8.821		
20,200.00	11,720.79	20,974.77	12,473.95	117.87	129.12	-111.80	-8,491.68	2,327.15	2,019.69	1,788.17	231.52	8.724		
20,300.00	11,721.67	21,074.77	12,474.47	119.23	130.49	-111.79	-8,591.68	2,328.06	2,019.61	1,785.53	234.07	8.628		
20,400.00	11,722.54	21,174.77	12,475.00	120.59	131.85	-111.78	-8,691.67	2,328.97	2,019.52	1,782.89	236.63	8.535		
20,500.00	11,723.42	21,274.77	12,475.52	121.95	133.21	-111.77	-8,791.66	2,329.88	2,019.44	1,780.25	239.18	8.443		
20,600.00	11,724.30	21,374.77	12,476.05	123.30	134.57	-111.76	-8,891.66	2,330.79	2,019.35	1,777.61	241.74	8.354		
20,700.00	11,725.17	21,474.77	12,476.57	124.66	135.94	-111.75	-8,991.65	2,331.70	2,019.26	1,774.97	244.29	8.266		
20,800.00	11,726.05	21,574.77	12,477.10	126.02	137.30	-111.75	-9,091.65	2,332.61	2,019.18	1,772.33	246.85	8.180		
20,900.00	11,726.93	21,674.76	12,477.62	127.38	138.66	-111.74	-9,191.64	2,333.52	2,019.09	1,769.69	249.41	8.096		
21,000.00	11,727.80	21,774.76	12,478.15	128.74	140.03	-111.73	-9,291.63	2,334.43	2,019.01	1,767.04	251.96	8.013		
21,100.00	11,728.68	21,874.76	12,478.67	130.09	141.39	-111.72	-9,391.63	2,335.33	2,018.92	1,764.40	254.52	7.932		
21,200.00	11,729.55	21,974.76	12,479.20	131.45	142.76	-111.71	-9,491.62	2,336.24	2,018.84	1,761.75	257.08	7.853		
21,300.00	11,730.43	22,074.76	12,479.72	132.81	144.12	-111.70	-9,591.61	2,337.15	2,018.75	1,759.11	259.64	7.775		
21,400.00	11,731.31	22,174.76	12,480.25	134.17	145.48	-111.69	-9,691.61	2,338.06	2,018.66	1,756.46	262.21	7.699		
21,500.00	11,732.18	22,274.76	12,480.77	135.53	146.85	-111.68	-9,791.60	2,338.97	2,018.58	1,753.81	264.77	7.624		
21,600.00	11,733.06	22,374.76	12,481.30	136.89	148.21	-111.67	-9,891.60	2,339.88	2,018.49	1,751.16	267.33	7.551		
21,700.00	11,733.94	22,474.76	12,481.82	138.25	149.58	-111.66	-9,991.59	2,340.79	2,018.41	1,748.52	269.89	7.479		
21,800.00	11,734.81	22,574.76	12,482.35	139.61	150.94	-111.65	-10,091.58	2,341.70	2,018.32	1,745.87	272.46	7.408		
21,900.00	11,735.69	22,674.76	12,482.87	140.97	152.31	-111.64	-10,191.58	2,342.61	2,018.24	1,743.22	275.02	7.338		
21,935.47	11,736.00	22,710.23	12,483.06	141.45	152.79	-111.63	-10,227.04	2,342.93	2,018.21	1,742.28	275.93	7.314	ES, SF	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	1.00	1.00	0.50	0.50	-90.00	0.00	-25.00	25.00			
100.00	100.00	101.00	101.00	0.98	0.99	-90.00	0.00	-25.00	25.00	23.03	1.97	12.706
200.00	200.00	201.00	201.00	1.56	1.57	-90.00	0.00	-25.00	25.00	21.87	3.13	7.996
300.00	300.00	301.00	301.00	1.98	1.98	-90.00	0.00	-25.00	25.00	21.03	3.97	6.304
400.00	399.99	400.99	400.99	2.41	2.33	-147.67	0.00	-25.00	26.10	21.37	4.72	5.527
500.00	499.91	500.91	500.91	2.79	2.64	-151.72	0.00	-25.00	29.49	24.10	5.39	5.473
600.00	599.69	600.69	600.69	3.12	2.91	-156.71	0.00	-25.00	35.39	29.39	6.00	5.898
633.33	632.91	633.91	633.91	3.15	3.00	-158.34	0.00	-25.00	37.94	31.82	6.12	6.200
700.00	699.32	700.32	700.32	3.26	3.16	-161.17	0.00	-25.00	43.39	36.99	6.40	6.779
800.00	798.94	799.94	799.94	3.51	3.40	-164.29	0.00	-25.00	51.72	44.83	6.89	7.504
900.00	898.56	899.56	899.56	3.75	3.62	-166.54	0.00	-25.00	60.16	52.80	7.36	8.174
1,000.00	998.18	999.50	999.50	3.98	3.76	-168.25	0.00	-24.95	68.62	60.89	7.73	8.874
1,100.00	1,097.80	1,100.97	1,100.95	4.21	4.00	-170.20	-0.07	-23.09	75.53	67.33	8.20	9.213
1,200.00	1,197.42	1,202.65	1,202.52	4.44	4.24	-172.72	-0.23	-18.52	80.16	71.52	8.65	9.271
1,300.00	1,297.04	1,304.39	1,304.00	4.66	4.47	-175.92	-0.48	-11.24	82.66	73.59	9.07	9.113
1,400.00	1,396.66	1,404.41	1,403.64	4.87	4.61	-179.48	-0.78	-2.54	84.12	74.69	9.42	8.926
1,500.00	1,496.28	1,504.27	1,503.12	5.08	4.79	177.10	-1.09	6.16	85.88	76.07	9.81	8.754
1,600.00	1,595.90	1,604.12	1,602.59	5.29	4.97	173.83	-1.39	14.85	87.93	77.74	10.19	8.628
1,700.00	1,695.52	1,703.98	1,702.07	5.50	5.14	170.72	-1.70	23.55	90.26	79.69	10.57	8.543
1,800.00	1,795.14	1,803.83	1,801.54	5.71	5.32	167.77	-2.00	32.25	92.84	81.91	10.93	8.490
1,900.00	1,894.76	1,903.69	1,901.02	5.91	5.50	164.99	-2.30	40.95	95.65	84.36	11.30	8.466
2,000.00	1,994.38	2,003.55	2,000.50	6.11	5.68	162.37	-2.61	49.65	98.68	87.02	11.66	8.465
2,100.00	2,094.00	2,103.40	2,099.97	6.31	5.86	159.91	-2.91	58.34	101.90	89.89	12.01	8.484
2,200.00	2,193.62	2,203.26	2,199.45	6.52	6.04	157.61	-3.21	67.04	105.30	92.92	12.38	8.506
2,206.41	2,200.00	2,209.80	2,205.96	6.53	6.05	157.46	-3.23	67.62	105.52	93.11	12.40	8.508
2,300.00	2,293.13	2,305.56	2,301.24	6.73	6.24	155.26	-2.92	77.16	108.77	96.03	12.74	8.536
2,400.00	2,392.34	2,407.87	2,402.77	6.97	6.45	152.90	-1.39	89.71	112.52	99.38	13.13	8.567
2,500.00	2,491.20	2,510.19	2,503.95	7.20	6.67	150.53	1.36	104.68	116.56	103.03	13.53	8.616
2,539.71	2,530.34	2,550.81	2,544.00	7.26	6.75	149.59	2.80	111.30	118.25	104.60	13.65	8.661
2,600.00	2,589.72	2,612.51	2,604.69	7.35	6.88	148.07	5.34	122.07	120.51	106.65	13.85	8.699
2,700.00	2,688.20	2,714.76	2,704.88	7.56	7.10	145.00	10.54	141.85	122.81	108.58	14.24	8.627
2,800.00	2,786.68	2,816.82	2,804.30	7.76	7.32	141.18	16.94	163.96	123.56	108.94	14.62	8.451
2,900.00	2,885.16	2,918.11	2,902.36	7.97	7.53	136.52	24.47	188.20	123.15	108.14	15.02	8.202
2,961.87	2,946.09	2,979.63	2,961.79	8.10	7.64	133.48	29.28	203.38	122.98	107.70	15.27	8.053
3,000.00	2,983.64	3,017.55	2,998.41	8.18	7.71	131.61	32.24	212.74	123.04	107.61	15.43	7.974
3,100.00	3,082.12	3,116.99	3,094.46	8.38	7.90	126.73	40.02	237.28	123.84	107.98	15.86	7.808
3,200.00	3,180.60	3,216.42	3,190.51	8.59	8.10	121.95	47.79	261.81	125.54	109.23	16.31	7.698
3,300.00	3,279.09	3,315.86	3,286.56	8.80	8.29	117.33	55.56	286.35	128.09	111.32	16.76	7.640
3,400.00	3,377.57	3,415.30	3,382.60	9.00	8.56	112.91	63.33	310.88	131.44	114.21	17.23	7.627
3,500.00	3,476.05	3,514.74	3,478.65	9.21	8.84	108.74	71.10	335.42	135.55	117.83	17.71	7.653
3,600.00	3,574.53	3,614.17	3,574.70	9.42	9.13	104.82	78.87	359.96	140.33	122.13	18.20	7.712
3,695.67	3,668.75	3,709.31	3,666.59	9.61	9.41	101.33	86.31	383.43	145.48	126.82	18.66	7.797
3,700.00	3,673.01	3,713.61	3,670.75	9.62	9.42	101.18	86.64	384.49	145.73	127.05	18.68	7.802
3,800.00	3,771.73	3,812.92	3,766.68	9.84	9.71	97.37	94.41	409.00	151.49	132.34	19.15	7.909
3,900.00	3,870.82	3,911.97	3,862.35	10.06	10.01	92.94	102.15	433.44	157.75	138.15	19.60	8.048
4,000.00	3,970.24	4,010.67	3,957.69	10.27	10.31	88.01	109.86	457.80	165.01	144.99	20.02	8.243
4,100.00	4,069.90	4,108.97	4,052.63	10.47	10.61	82.72	117.54	482.05	173.76	153.36	20.40	8.518
4,200.00	4,169.75	4,206.79	4,147.12	10.66	10.92	77.26	125.19	506.19	184.50	163.76	20.75	8.892
4,300.00	4,269.70	4,304.06	4,241.08	10.84	11.22	71.78	132.79	530.19	197.66	176.59	21.07	9.379
4,362.30	4,332.00	4,364.37	4,299.33	10.89	11.41	124.51	137.50	545.07	207.23	185.99	21.24	9.756
4,400.00	4,369.70	4,400.78	4,334.50	10.91	11.52	122.49	140.35	554.06	213.49	192.16	21.33	10.009
4,500.00	4,469.70	4,497.37	4,427.80	10.99	11.83	117.65	147.90	577.89	231.27	209.65	21.62	10.699

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
4,600.00	4,569.70	4,593.96	4,521.10	11.07	12.14	113.50	155.45	601.73	250.47	228.56	21.90	11.434
4,700.00	4,669.70	4,690.56	4,614.40	11.16	12.45	109.95	163.00	625.56	270.78	248.59	22.19	12.201
4,800.00	4,769.70	4,787.15	4,707.70	11.24	12.76	106.88	170.54	649.39	291.98	269.50	22.48	12.986
4,900.00	4,869.70	4,883.74	4,801.00	11.32	13.07	104.23	178.09	673.23	313.88	291.10	22.78	13.781
5,000.00	4,969.70	4,980.33	4,894.30	11.41	13.39	101.93	185.64	697.06	336.35	313.28	23.07	14.580
5,100.00	5,069.70	5,076.92	4,987.60	11.49	13.70	99.91	193.19	720.90	359.27	335.91	23.36	15.377
5,200.00	5,169.70	5,173.52	5,080.91	11.57	14.02	98.13	200.74	744.73	382.58	358.92	23.66	16.171
5,300.00	5,269.70	5,270.11	5,174.21	11.66	14.33	96.56	208.29	768.57	406.20	382.24	23.95	16.957
5,400.00	5,369.70	5,366.70	5,267.51	11.74	14.65	95.15	215.84	792.40	430.07	405.83	24.25	17.737
5,500.00	5,469.70	5,472.28	5,369.70	11.82	14.98	93.83	223.84	817.66	453.46	428.86	24.59	18.438
5,600.00	5,569.70	5,582.26	5,476.87	11.91	15.31	92.72	231.29	841.18	474.49	449.54	24.95	19.014
5,700.00	5,669.70	5,693.62	5,586.07	11.99	15.61	91.83	237.88	861.98	492.97	467.67	25.30	19.484
5,800.00	5,769.70	5,806.19	5,697.05	12.07	15.87	91.11	243.56	879.92	508.80	483.17	25.63	19.852
5,900.00	5,869.70	5,919.79	5,809.57	12.16	16.10	90.56	248.29	894.86	521.89	495.96	25.94	20.122
6,000.00	5,969.70	6,034.24	5,923.34	12.24	16.30	90.14	252.03	906.67	532.20	505.98	26.22	20.295
6,100.00	6,069.70	6,149.34	6,038.08	12.32	16.47	89.85	254.75	915.27	539.68	513.19	26.49	20.376
6,200.00	6,169.70	6,264.88	6,153.48	12.40	16.60	89.67	256.44	920.58	544.28	517.56	26.72	20.370
6,300.00	6,269.70	6,380.65	6,269.22	12.49	16.70	89.61	257.07	922.57	546.00	519.12	26.88	20.310
6,400.00	6,369.70	6,482.12	6,370.70	12.57	16.75	89.61	257.07	922.58	546.01	518.99	27.02	20.208
6,500.00	6,469.70	6,582.12	6,470.70	12.65	16.81	89.61	257.07	922.58	546.01	518.85	27.16	20.103
6,600.00	6,569.70	6,682.12	6,570.70	12.74	16.87	89.61	257.07	922.58	546.01	518.71	27.30	19.999
6,700.00	6,669.70	6,782.12	6,670.70	12.82	16.93	89.61	257.07	922.58	546.01	518.57	27.44	19.895
6,800.00	6,769.70	6,882.12	6,770.70	12.90	16.99	89.61	257.07	922.58	546.01	518.43	27.59	19.793
6,900.00	6,869.70	6,982.12	6,870.70	12.99	17.04	89.61	257.07	922.58	546.01	518.28	27.73	19.691
7,000.00	6,969.70	7,082.12	6,970.70	13.07	17.10	89.61	257.07	922.58	546.01	518.14	27.87	19.591
7,100.00	7,069.70	7,182.12	7,070.70	13.15	17.16	89.61	257.07	922.58	546.01	518.00	28.01	19.491
7,200.00	7,169.70	7,282.12	7,170.70	13.24	17.22	89.61	257.07	922.58	546.01	517.86	28.16	19.392
7,300.00	7,269.70	7,382.12	7,270.70	13.32	17.28	89.61	257.07	922.58	546.01	517.71	28.30	19.294
7,400.00	7,369.70	7,482.12	7,370.70	13.40	17.34	89.61	257.07	922.58	546.01	517.57	28.44	19.197
7,500.00	7,469.70	7,582.12	7,470.70	13.48	17.40	89.61	257.07	922.58	546.01	517.43	28.59	19.100
7,600.00	7,569.70	7,682.12	7,570.70	13.57	17.46	89.61	257.07	922.58	546.01	517.28	28.73	19.005
7,700.00	7,669.70	7,782.12	7,670.70	13.65	17.52	89.61	257.07	922.58	546.01	517.14	28.87	18.910
7,800.00	7,769.70	7,882.12	7,770.70	13.73	17.58	89.61	257.07	922.58	546.01	516.99	29.02	18.817
7,900.00	7,869.70	7,982.12	7,870.70	13.82	17.64	89.61	257.07	922.58	546.01	516.85	29.16	18.724
8,000.00	7,969.70	8,082.12	7,970.70	13.90	17.70	89.61	257.07	922.58	546.01	516.71	29.31	18.631
8,100.00	8,069.70	8,182.12	8,070.70	13.98	17.76	89.61	257.07	922.58	546.01	516.56	29.45	18.540
8,200.00	8,169.70	8,282.12	8,170.70	14.07	17.82	89.61	257.07	922.58	546.01	516.42	29.60	18.449
8,300.00	8,269.70	8,382.12	8,270.70	14.15	17.88	89.61	257.07	922.58	546.01	516.27	29.74	18.360
8,400.00	8,369.70	8,482.12	8,370.70	14.23	17.94	89.61	257.07	922.58	546.01	516.13	29.88	18.271
8,500.00	8,469.70	8,582.12	8,470.70	14.31	18.00	89.61	257.07	922.58	546.01	515.98	30.03	18.182
8,600.00	8,569.70	8,682.12	8,570.70	14.40	18.07	89.61	257.07	922.58	546.01	515.84	30.18	18.095
8,700.00	8,669.70	8,782.12	8,670.70	14.48	18.13	89.61	257.07	922.58	546.01	515.69	30.32	18.008
8,800.00	8,769.70	8,882.12	8,770.70	14.56	18.19	89.61	257.07	922.58	546.01	515.55	30.47	17.922
8,900.00	8,869.70	8,982.12	8,870.70	14.65	18.25	89.61	257.07	922.58	546.01	515.40	30.61	17.837
9,000.00	8,969.70	9,082.12	8,970.70	14.73	18.31	89.61	257.07	922.58	546.01	515.25	30.76	17.752
9,100.00	9,069.70	9,182.12	9,070.70	14.81	18.38	89.61	257.07	922.58	546.01	515.11	30.90	17.668
9,200.00	9,169.70	9,282.12	9,170.70	14.90	18.44	89.61	257.07	922.58	546.01	514.96	31.05	17.585
9,300.00	9,269.70	9,382.12	9,270.70	14.98	18.50	89.61	257.07	922.58	546.01	514.82	31.20	17.502
9,400.00	9,369.70	9,482.12	9,370.70	15.06	18.56	89.61	257.07	922.58	546.01	514.67	31.34	17.421
9,500.00	9,469.70	9,582.12	9,470.70	15.14	18.63	89.61	257.07	922.58	546.01	514.52	31.49	17.340
9,600.00	9,569.70	9,682.12	9,570.70	15.23	18.69	89.61	257.07	922.58	546.01	514.38	31.64	17.259
9,700.00	9,669.70	9,782.12	9,670.70	15.31	18.75	89.61	257.07	922.58	546.01	514.23	31.78	17.179

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance		Offset Well Error: 0.50 usft		
Reference	Vertical	Measured	Vertical	Reference	Offset	Highside			Between	Between	Minimum	Separation	Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Separation (usft)	Factor	
9,800.00	9,769.70	9,882.12	9,770.70	15.39	18.82	89.61	257.07	922.58	546.01	514.08	31.93	17.100	
9,900.00	9,869.70	9,982.12	9,870.70	15.48	18.88	89.61	257.07	922.58	546.01	513.94	32.08	17.022	
10,000.00	9,969.70	10,082.12	9,970.70	15.56	18.94	89.61	257.07	922.58	546.01	513.79	32.22	16.944	
10,100.00	10,069.70	10,182.12	10,070.70	15.64	19.01	89.61	257.07	922.58	546.01	513.64	32.37	16.867	
10,200.00	10,169.70	10,282.12	10,170.70	15.72	19.07	89.61	257.07	922.58	546.01	513.49	32.52	16.790	
10,300.00	10,269.70	10,382.12	10,270.70	15.81	19.13	89.61	257.07	922.58	546.01	513.35	32.67	16.714	
10,400.00	10,369.70	10,482.12	10,370.70	15.89	19.20	89.61	257.07	922.58	546.01	513.20	32.82	16.639	
10,500.00	10,469.70	10,582.12	10,470.70	15.97	19.26	89.61	257.07	922.58	546.01	513.05	32.96	16.564	
10,600.00	10,569.70	10,682.12	10,570.70	16.06	19.33	89.61	257.07	922.58	546.01	512.90	33.11	16.490	
10,700.00	10,669.70	10,782.12	10,670.70	16.14	19.39	89.61	257.07	922.58	546.01	512.75	33.26	16.417	
10,800.00	10,769.70	10,882.12	10,770.70	16.22	19.46	89.61	257.07	922.58	546.01	512.60	33.41	16.344	
10,900.00	10,869.70	10,982.12	10,870.70	16.30	19.52	89.61	257.07	922.58	546.01	512.46	33.56	16.271	
11,000.00	10,969.70	11,082.12	10,970.70	16.39	19.59	89.61	257.07	922.58	546.01	512.31	33.71	16.200	
11,100.00	11,069.70	11,182.12	11,070.70	16.47	19.65	89.61	257.07	922.58	546.01	512.15	33.86	16.126	
11,106.30	11,076.00	11,188.42	11,077.00	16.48	19.65	89.61	257.07	922.58	546.01	512.14	33.87	16.122	
11,139.82	11,109.50	11,221.92	11,110.50	16.50	19.68	-90.00	257.07	922.58	546.01	512.12	33.89	16.111	
11,150.00	11,119.65	11,232.08	11,120.65	16.50	19.68	-90.07	257.07	922.58	546.01	512.11	33.90	16.108	
11,200.00	11,169.28	11,281.70	11,170.28	16.52	19.72	-90.69	257.07	922.58	546.05	512.15	33.90	16.108	
11,250.00	11,218.19	11,330.62	11,219.19	16.54	19.75	-91.72	257.07	922.58	546.27	512.38	33.89	16.119	
11,300.00	11,266.03	11,378.45	11,267.03	16.57	19.78	-93.11	257.07	922.58	546.92	513.05	33.87	16.147	
11,350.00	11,312.42	11,424.84	11,313.42	16.60	19.81	-94.77	257.07	922.58	548.30	514.45	33.85	16.197	
11,400.00	11,357.00	11,469.42	11,358.00	16.63	19.84	-96.61	257.07	922.58	550.83	516.99	33.84	16.277	
11,450.00	11,399.45	11,511.87	11,400.45	16.67	19.87	-98.52	257.07	922.58	554.92	521.08	33.85	16.395	
11,500.00	11,439.44	11,551.86	11,440.44	16.71	19.89	-100.35	257.07	922.58	561.05	527.17	33.89	16.556	
11,550.00	11,476.66	11,589.08	11,477.66	16.75	19.92	-102.00	257.07	922.58	569.65	535.68	33.97	16.770	
11,600.00	11,510.83	11,623.25	11,511.83	16.80	19.94	-103.34	257.07	922.58	581.10	547.01	34.10	17.043	
11,650.00	11,541.70	11,654.12	11,542.70	16.85	19.96	-104.26	257.07	922.58	595.71	561.43	34.27	17.380	
11,700.00	11,569.01	11,681.44	11,570.01	16.91	19.98	-104.65	257.07	922.58	613.65	579.14	34.50	17.787	
11,750.00	11,592.58	11,705.00	11,593.58	16.99	19.99	-104.40	257.07	922.58	634.97	600.21	34.76	18.265	
11,800.00	11,612.22	11,724.64	11,613.22	17.07	20.01	-103.43	257.07	922.58	659.62	624.57	35.06	18.816	
11,850.00	11,627.77	11,740.19	11,628.77	17.17	20.02	-101.64	257.07	922.58	687.40	652.04	35.36	19.439	
11,900.00	11,639.12	11,751.55	11,640.12	17.28	20.02	-98.95	257.07	922.58	718.02	682.34	35.67	20.128	
11,950.00	11,646.19	11,758.62	11,647.19	17.41	20.03	-95.29	257.07	922.58	751.09	715.12	35.97	20.879	
12,000.00	11,648.92	11,761.34	11,649.92	17.55	20.03	-90.65	257.07	922.58	786.20	749.94	36.26	21.681	
12,001.28	11,648.94	11,761.36	11,649.94	17.56	20.03	-90.52	257.07	922.58	787.13	750.86	36.27	21.702	
12,100.00	11,649.80	11,762.22	11,650.80	17.91	20.03	-90.61	257.07	922.58	860.96	824.17	36.78	23.405	
12,200.00	11,650.68	11,763.10	11,651.68	18.35	20.03	-90.70	257.07	922.58	940.41	903.18	37.23	25.260	
12,300.00	11,651.55	13,233.62	12,512.47	18.88	22.71	-147.59	-601.05	929.97	1,018.65	969.85	48.80	20.874	
12,400.00	11,652.43	13,333.62	12,513.35	19.49	23.30	-147.59	-701.04	930.83	1,018.65	969.51	49.14	20.731	
12,500.00	11,653.31	13,433.62	12,514.22	20.18	23.95	-147.59	-801.03	931.69	1,018.64	969.12	49.53	20.568	
12,600.00	11,654.18	13,533.62	12,515.09	20.94	24.66	-147.59	-901.02	932.55	1,018.64	968.67	49.97	20.386	
12,700.00	11,655.06	13,633.62	12,515.97	21.77	25.41	-147.59	-1,001.02	933.41	1,018.64	968.18	50.46	20.186	
12,800.00	11,655.94	13,733.62	12,516.84	22.65	26.21	-147.59	-1,101.01	934.28	1,018.64	967.63	51.00	19.972	
12,900.00	11,656.81	13,833.62	12,517.71	23.58	27.05	-147.59	-1,201.00	935.14	1,018.63	967.04	51.59	19.744	
13,000.00	11,657.69	13,933.62	12,518.59	24.56	27.93	-147.59	-1,300.99	936.00	1,018.63	966.40	52.23	19.503	
13,100.00	11,658.57	14,033.62	12,519.46	25.57	28.84	-147.59	-1,400.99	936.86	1,018.63	965.72	52.91	19.253	
13,200.00	11,659.44	14,133.62	12,520.33	26.62	29.79	-147.59	-1,500.98	937.72	1,018.63	965.00	53.63	18.993	
13,300.00	11,660.32	14,233.62	12,521.21	27.69	30.77	-147.59	-1,600.97	938.58	1,018.63	964.23	54.39	18.727	
13,400.00	11,661.19	14,333.62	12,522.08	28.80	31.78	-147.59	-1,700.96	939.44	1,018.62	963.43	55.20	18.455	
13,500.00	11,662.07	14,433.62	12,522.95	29.92	32.81	-147.59	-1,800.96	940.30	1,018.62	962.59	56.03	18.178	
13,600.00	11,662.95	14,533.62	12,523.83	31.07	33.87	-147.59	-1,900.95	941.17	1,018.62	961.71	56.91	17.899	
13,700.00	11,663.82	14,633.62	12,524.70	32.23	34.94	-147.59	-2,000.94	942.03	1,018.62	960.80	57.82	17.617	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
							+N/-S (usft)	+E/-W (usft)									
13,800.00	11,664.70	14,733.62	12,525.58	33.41	36.04	-147.59	-2,100.93	942.89	1,018.61	959.85	58.76	17.335					
13,900.00	11,665.58	14,833.62	12,526.45	34.61	37.15	-147.59	-2,200.93	943.75	1,018.61	958.88	59.73	17.052					
14,000.00	11,666.45	14,933.62	12,527.32	35.81	38.29	-147.59	-2,300.92	944.61	1,018.61	957.87	60.74	16.771					
14,100.00	11,667.33	15,033.62	12,528.20	37.03	39.43	-147.59	-2,400.91	945.47	1,018.61	956.84	61.77	16.491					
14,200.00	11,668.21	15,133.62	12,529.07	38.26	40.59	-147.59	-2,500.90	946.33	1,018.61	955.78	62.82	16.214					
14,300.00	11,669.08	15,233.62	12,529.94	39.50	41.76	-147.59	-2,600.90	947.19	1,018.60	954.70	63.91	15.939					
14,400.00	11,669.96	15,333.62	12,530.82	40.75	42.95	-147.59	-2,700.89	948.05	1,018.60	953.59	65.01	15.668					
14,500.00	11,670.84	15,433.62	12,531.69	42.00	44.14	-147.59	-2,800.88	948.92	1,018.60	952.46	66.14	15.400					
14,600.00	11,671.71	15,533.62	12,532.56	43.27	45.34	-147.58	-2,900.87	949.78	1,018.60	951.30	67.29	15.137					
14,700.00	11,672.59	15,633.62	12,533.44	44.53	46.56	-147.58	-3,000.87	950.64	1,018.59	950.13	68.47	14.878					
14,800.00	11,673.46	15,733.62	12,534.31	45.81	47.78	-147.58	-3,100.86	951.50	1,018.59	948.93	69.66	14.623					
14,900.00	11,674.34	15,833.62	12,535.18	47.09	49.01	-147.58	-3,200.85	952.36	1,018.59	947.72	70.87	14.373					
15,000.00	11,675.22	15,933.62	12,536.06	48.37	50.24	-147.58	-3,300.84	953.22	1,018.59	946.49	72.09	14.129					
15,100.00	11,676.09	16,033.62	12,536.93	49.66	51.49	-147.58	-3,400.84	954.08	1,018.58	945.25	73.34	13.889					
15,200.00	11,676.97	16,133.62	12,537.81	50.96	52.74	-147.58	-3,500.83	954.94	1,018.58	943.98	74.60	13.654					
15,300.00	11,677.85	16,233.62	12,538.68	52.26	53.99	-147.58	-3,600.82	955.80	1,018.58	942.71	75.87	13.424					
15,400.00	11,678.72	16,333.62	12,539.55	53.56	55.25	-147.58	-3,700.81	956.67	1,018.58	941.41	77.16	13.200					
15,500.00	11,679.60	16,433.62	12,540.43	54.86	56.52	-147.58	-3,800.81	957.53	1,018.58	940.11	78.47	12.981					
15,600.00	11,680.48	16,533.62	12,541.30	56.17	57.79	-147.58	-3,900.80	958.39	1,018.57	938.79	79.79	12.766					
15,700.00	11,681.35	16,633.62	12,542.17	57.48	59.06	-147.58	-4,000.79	959.25	1,018.57	937.46	81.11	12.557					
15,800.00	11,682.23	16,733.62	12,543.05	58.79	60.34	-147.58	-4,100.78	960.11	1,018.57	936.11	82.46	12.353					
15,900.00	11,683.10	16,833.62	12,543.92	60.11	61.63	-147.58	-4,200.78	960.97	1,018.57	934.76	83.81	12.154					
16,000.00	11,683.98	16,933.62	12,544.79	61.43	62.91	-147.58	-4,300.77	961.83	1,018.56	933.39	85.17	11.959					
16,100.00	11,684.86	17,033.62	12,545.67	62.75	64.20	-147.58	-4,400.76	962.69	1,018.56	932.02	86.54	11.769					
16,200.00	11,685.73	17,133.62	12,546.54	64.07	65.50	-147.58	-4,500.75	963.56	1,018.56	930.63	87.93	11.584					
16,300.00	11,686.61	17,233.62	12,547.42	65.40	66.79	-147.58	-4,600.75	964.42	1,018.56	929.24	89.32	11.404					
16,400.00	11,687.49	17,333.62	12,548.29	66.72	68.09	-147.58	-4,700.74	965.28	1,018.56	927.84	90.72	11.228					
16,500.00	11,688.36	17,433.62	12,549.16	68.05	69.40	-147.58	-4,800.73	966.14	1,018.55	926.42	92.13	11.056					
16,600.00	11,689.24	17,533.62	12,550.04	69.38	70.70	-147.58	-4,900.72	967.00	1,018.55	925.00	93.55	10.888					
16,700.00	11,690.12	17,633.62	12,550.91	70.71	72.01	-147.58	-5,000.72	967.86	1,018.55	923.58	94.97	10.725					
16,800.00	11,690.99	17,733.62	12,551.78	72.05	73.32	-147.58	-5,100.71	968.72	1,018.55	922.14	96.40	10.565					
16,900.00	11,691.87	17,833.62	12,552.66	73.38	74.63	-147.58	-5,200.70	969.58	1,018.54	920.70	97.84	10.410					
17,000.00	11,692.75	17,933.62	12,553.53	74.72	75.94	-147.58	-5,300.69	970.44	1,018.54	919.25	99.29	10.258					
17,100.00	11,693.62	18,033.62	12,554.40	76.05	77.26	-147.58	-5,400.69	971.31	1,018.54	917.80	100.74	10.110					
17,200.00	11,694.50	18,133.62	12,555.28	77.39	78.57	-147.58	-5,500.68	972.17	1,018.54	916.34	102.20	9.966					
17,300.00	11,695.37	18,233.62	12,556.15	78.73	79.89	-147.58	-5,600.67	973.03	1,018.53	914.87	103.67	9.825					
17,400.00	11,696.25	18,333.62	12,557.02	80.07	81.22	-147.58	-5,700.66	973.89	1,018.53	913.40	105.14	9.688					
17,500.00	11,697.13	18,433.62	12,557.90	81.41	82.54	-147.58	-5,800.66	974.75	1,018.53	911.92	106.61	9.554					
17,600.00	11,698.00	18,533.62	12,558.77	82.75	83.86	-147.58	-5,900.65	975.61	1,018.53	910.43	108.09	9.423					
17,700.00	11,698.88	18,633.62	12,559.65	84.10	85.19	-147.58	-6,000.64	976.47	1,018.53	908.95	109.58	9.295					
17,800.00	11,699.76	18,733.62	12,560.52	85.44	86.51	-147.58	-6,100.63	977.33	1,018.52	907.45	111.07	9.170					
17,900.00	11,700.63	18,833.62	12,561.39	86.79	87.84	-147.58	-6,200.62	978.19	1,018.52	905.95	112.57	9.048					
18,000.00	11,701.51	18,933.62	12,562.27	88.13	89.17	-147.58	-6,300.62	979.06	1,018.52	904.45	114.07	8.929					
18,100.00	11,702.39	19,033.62	12,563.14	89.48	90.50	-147.58	-6,400.61	979.92	1,018.52	902.95	115.57	8.813					
18,200.00	11,703.26	19,133.62	12,564.01	90.83	91.83	-147.58	-6,500.60	980.78	1,018.51	901.44	117.08	8.699					
18,300.00	11,704.14	19,233.62	12,564.89	92.17	93.17	-147.58	-6,600.59	981.64	1,018.51	899.92	118.59	8.588					
18,400.00	11,705.02	19,333.62	12,565.76	93.52	94.50	-147.58	-6,700.59	982.50	1,018.51	898.40	120.11	8.480					
18,500.00	11,705.89	19,433.62	12,566.63	94.87	95.84	-147.58	-6,800.58	983.36	1,018.51	896.88	121.63	8.374					
18,600.00	11,706.77	19,533.62	12,567.51	96.22	97.17	-147.58	-6,900.57	984.22	1,018.50	895.36	123.15	8.270					
18,700.00	11,707.64	19,633.62	12,568.38	97.57	98.51	-147.58	-7,000.56	985.08	1,018.50	893.83	124.68	8.169					
18,800.00	11,708.52	19,733.62	12,569.25	98.92	99.85	-147.58	-7,100.56	985.95	1,018.50	892.29	126.21	8.070					
18,900.00	11,709.40	19,833.62	12,570.13	100.27	101.18	-147.58	-7,200.55	986.81	1,018.50	890.76	127.74	7.973					

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
19,000.00	11,710.27	19,933.62	12,571.00	101.62	102.52	-147.58	-7,300.54	987.67	1,018.50	889.22	129.28	7.879		
19,100.00	11,711.15	20,033.62	12,571.88	102.97	103.86	-147.58	-7,400.53	988.53	1,018.49	887.68	130.81	7.786		
19,200.00	11,712.03	20,133.62	12,572.75	104.33	105.21	-147.58	-7,500.53	989.39	1,018.49	886.14	132.36	7.695		
19,300.00	11,712.90	20,233.62	12,573.62	105.68	106.55	-147.58	-7,600.52	990.25	1,018.49	884.59	133.90	7.606		
19,400.00	11,713.78	20,333.62	12,574.50	107.03	107.89	-147.58	-7,700.51	991.11	1,018.49	883.04	135.45	7.519		
19,500.00	11,714.66	20,433.62	12,575.37	108.39	109.23	-147.58	-7,800.50	991.97	1,018.48	881.49	137.00	7.434		
19,600.00	11,715.53	20,533.62	12,576.24	109.74	110.58	-147.58	-7,900.50	992.83	1,018.48	879.93	138.55	7.351		
19,700.00	11,716.41	20,633.62	12,577.12	111.10	111.92	-147.58	-8,000.49	993.70	1,018.48	878.38	140.10	7.269		
19,800.00	11,717.28	20,733.62	12,577.99	112.45	113.27	-147.58	-8,100.48	994.56	1,018.48	876.82	141.66	7.190		
19,900.00	11,718.16	20,833.62	12,578.86	113.81	114.61	-147.58	-8,200.47	995.42	1,018.48	875.26	143.22	7.111		
20,000.00	11,719.04	20,933.62	12,579.74	115.16	115.96	-147.58	-8,300.47	996.28	1,018.47	873.69	144.78	7.035		
20,100.00	11,719.91	21,033.62	12,580.61	116.52	117.30	-147.58	-8,400.46	997.14	1,018.47	872.13	146.34	6.959		
20,200.00	11,720.79	21,133.62	12,581.49	117.87	118.65	-147.58	-8,500.45	998.00	1,018.47	870.56	147.91	6.886		
20,300.00	11,721.67	21,233.62	12,582.36	119.23	120.00	-147.58	-8,600.44	998.86	1,018.47	868.99	149.48	6.814		
20,400.00	11,722.54	21,333.62	12,583.23	120.59	121.35	-147.58	-8,700.44	999.72	1,018.46	867.42	151.05	6.743		
20,500.00	11,723.42	21,433.62	12,584.11	121.95	122.70	-147.58	-8,800.43	1,000.58	1,018.46	865.84	152.62	6.673		
20,600.00	11,724.30	21,533.62	12,584.98	123.30	124.05	-147.58	-8,900.42	1,001.45	1,018.46	864.27	154.19	6.605		
20,700.00	11,725.17	21,633.62	12,585.85	124.66	125.40	-147.58	-9,000.41	1,002.31	1,018.46	862.69	155.76	6.538		
20,800.00	11,726.05	21,733.62	12,586.73	126.02	126.75	-147.58	-9,100.41	1,003.17	1,018.45	861.11	157.34	6.473		
20,900.00	11,726.93	21,833.62	12,587.60	127.38	128.10	-147.58	-9,200.40	1,004.03	1,018.45	859.53	158.92	6.409		
21,000.00	11,727.80	21,933.62	12,588.47	128.74	129.45	-147.58	-9,300.39	1,004.89	1,018.45	857.95	160.50	6.346		
21,100.00	11,728.68	22,033.62	12,589.35	130.09	130.80	-147.58	-9,400.38	1,005.75	1,018.45	856.37	162.08	6.284		
21,200.00	11,729.55	22,133.62	12,590.22	131.45	132.15	-147.58	-9,500.38	1,006.61	1,018.45	854.78	163.66	6.223		
21,300.00	11,730.43	22,233.62	12,591.09	132.81	133.50	-147.58	-9,600.37	1,007.47	1,018.44	853.20	165.25	6.163		
21,400.00	11,731.31	22,333.62	12,591.97	134.17	134.85	-147.58	-9,700.36	1,008.34	1,018.44	851.61	166.83	6.105		
21,500.00	11,732.18	22,433.62	12,592.84	135.53	136.21	-147.58	-9,800.35	1,009.20	1,018.44	850.02	168.42	6.047		
21,600.00	11,733.06	22,533.62	12,593.72	136.89	137.56	-147.58	-9,900.35	1,010.06	1,018.44	848.43	170.01	5.991		
21,700.00	11,733.94	22,633.62	12,594.59	138.25	138.91	-147.58	-10,000.34	1,010.92	1,018.43	846.84	171.59	5.935		
21,800.00	11,734.81	22,733.62	12,595.46	139.61	140.27	-147.58	-10,100.33	1,011.78	1,018.43	845.25	173.19	5.881		
21,900.00	11,735.69	22,833.62	12,596.34	140.97	141.62	-147.58	-10,200.32	1,012.64	1,018.43	843.65	174.78	5.827		
21,935.47	11,736.00	22,869.09	12,596.65	141.45	142.10	-147.58	-10,235.79	1,012.95	1,018.43	843.09	175.34	5.808		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

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

Rule Assigned:

Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.50	0.50	-173.93	-235.00	-25.00	236.33				
100.00	100.00	101.00	101.00	0.98	0.99	-173.93	-235.00	-25.00	236.33	234.36	1.97	120.106	
200.00	200.00	201.00	201.00	1.56	1.57	-173.93	-235.00	-25.00	236.33	233.20	3.13	75.590	
300.00	300.00	301.00	301.00	1.98	1.98	-173.93	-235.00	-25.00	236.33	232.36	3.97	59.591	CC, ES
400.00	399.99	400.99	400.99	2.41	2.33	130.23	-235.00	-25.00	237.17	232.47	4.70	50.503	
500.00	499.91	500.91	500.91	2.79	2.64	130.92	-235.00	-25.00	239.72	234.39	5.33	44.934	
600.00	599.69	600.69	600.69	3.12	2.91	132.03	-235.00	-25.00	244.06	238.14	5.92	41.247	
633.33	632.91	633.91	633.91	3.15	3.00	132.49	-235.00	-25.00	245.92	239.89	6.03	40.765	
700.00	699.32	700.34	700.34	3.26	3.16	133.47	-235.00	-25.00	249.89	243.58	6.31	39.589	
800.00	798.94	804.31	804.30	3.51	3.47	135.19	-233.91	-25.92	255.12	248.28	6.84	37.310	
900.00	898.56	908.08	907.98	3.75	3.76	137.33	-230.66	-28.64	258.93	251.60	7.33	35.311	
1,000.00	998.18	1,011.49	1,011.14	3.98	4.01	139.91	-225.28	-33.16	261.54	253.75	7.79	33.584	
1,100.00	1,097.80	1,111.49	1,110.77	4.21	4.14	142.68	-218.65	-38.72	263.67	255.52	8.14	32.374	
1,200.00	1,197.42	1,210.65	1,209.55	4.44	4.34	145.39	-212.03	-44.28	266.37	257.80	8.57	31.070	
1,300.00	1,297.04	1,309.81	1,308.33	4.66	4.54	148.05	-205.41	-49.83	269.67	260.67	8.99	29.986	
1,400.00	1,396.66	1,408.97	1,407.11	4.87	4.74	150.63	-198.79	-55.39	273.54	264.13	9.40	29.086	
1,500.00	1,496.28	1,508.13	1,505.90	5.08	4.94	153.14	-192.17	-60.94	277.96	268.15	9.81	28.338	
1,600.00	1,595.90	1,607.29	1,604.68	5.29	5.13	155.57	-185.55	-66.50	282.90	272.69	10.21	27.719	
1,700.00	1,695.52	1,706.45	1,703.46	5.50	5.33	157.91	-178.92	-72.05	288.33	277.74	10.60	27.208	
1,800.00	1,795.14	1,805.61	1,802.25	5.71	5.52	160.17	-172.30	-77.61	294.24	283.26	10.98	26.789	
1,900.00	1,894.76	1,904.77	1,901.03	5.91	5.71	162.33	-165.68	-83.16	300.59	289.22	11.36	26.450	
2,000.00	1,994.38	2,003.93	1,999.81	6.11	5.90	164.40	-159.06	-88.72	307.35	295.61	11.74	26.178	
2,100.00	2,094.00	2,103.09	2,098.59	6.31	6.09	166.38	-152.44	-94.27	314.49	302.38	12.11	25.962	
2,200.00	2,193.62	2,202.25	2,197.38	6.52	6.29	168.27	-145.82	-99.83	322.00	309.50	12.50	25.756	
2,206.41	2,200.00	2,208.48	2,203.59	6.53	6.30	168.39	-145.41	-100.18	322.49	309.97	12.53	25.746	
2,300.00	2,293.13	2,297.82	2,292.49	6.73	6.48	170.20	-139.04	-106.24	331.47	318.61	12.87	25.759	
2,400.00	2,392.34	2,392.19	2,386.17	6.97	6.68	172.40	-131.52	-114.75	345.04	331.78	13.26	26.019	
2,500.00	2,491.20	2,485.16	2,478.18	7.20	6.88	174.77	-123.32	-125.25	362.91	349.26	13.66	26.574	
2,539.71	2,530.34	2,521.64	2,514.19	7.26	6.96	175.74	-119.89	-129.94	371.24	357.45	13.78	26.940	
2,600.00	2,589.72	2,576.61	2,568.36	7.35	7.08	177.22	-114.48	-137.62	384.77	370.79	13.98	27.532	
2,700.00	2,688.20	2,666.80	2,656.92	7.56	7.28	179.65	-105.03	-151.80	408.82	394.48	14.34	28.506	
2,800.00	2,786.68	2,759.80	2,747.91	7.76	7.46	-177.92	-94.69	-168.00	434.66	419.94	14.72	29.523	
2,900.00	2,885.16	2,854.68	2,840.72	7.97	7.65	-175.70	-84.10	-184.65	461.29	446.17	15.12	30.510	
3,000.00	2,983.64	2,949.56	2,933.53	8.18	7.84	-173.72	-73.51	-201.29	488.50	472.99	15.52	31.481	
3,100.00	3,082.12	3,044.45	3,026.34	8.38	8.03	-171.94	-62.92	-217.94	516.21	500.30	15.92	32.431	
3,200.00	3,180.60	3,139.33	3,119.15	8.59	8.23	-170.35	-52.33	-234.58	544.35	528.03	16.32	33.358	
3,300.00	3,279.09	3,234.21	3,211.96	8.80	8.43	-168.91	-41.74	-251.22	572.84	556.12	16.72	34.259	
3,400.00	3,377.57	3,329.10	3,304.77	9.00	8.63	-167.60	-31.15	-267.87	601.64	584.51	17.12	35.133	
3,500.00	3,476.05	3,423.98	3,397.58	9.21	8.83	-166.41	-20.56	-284.51	630.70	613.17	17.53	35.979	
3,600.00	3,574.53	3,518.86	3,490.38	9.42	9.04	-165.32	-9.97	-301.16	660.00	642.07	17.94	36.797	
3,695.67	3,668.75	3,609.64	3,579.18	9.61	9.24	-164.37	0.17	-317.08	688.22	669.90	18.32	37.563	
3,700.00	3,673.01	3,613.75	3,583.20	9.62	9.25	-164.33	0.63	-317.80	689.50	671.16	18.34	37.602	
3,800.00	3,771.73	3,708.98	3,676.34	9.84	9.47	-163.51	11.25	-334.51	717.87	699.11	18.76	38.267	
3,900.00	3,870.82	3,804.80	3,770.07	10.06	9.69	-162.69	21.95	-351.31	744.00	724.83	19.18	38.796	
4,000.00	3,970.24	3,901.14	3,864.31	10.27	9.92	-161.87	32.70	-368.21	767.91	748.32	19.59	39.201	
4,100.00	4,069.90	3,997.95	3,959.00	10.47	10.16	-161.03	43.51	-385.20	789.59	769.60	19.99	39.493	
4,200.00	4,169.75	4,095.15	4,054.07	10.66	10.40	-160.18	54.36	-402.25	809.06	788.67	20.39	39.685	
4,300.00	4,269.70	4,192.67	4,149.47	10.84	10.64	-159.30	65.24	-419.35	826.33	805.56	20.77	39.793	
4,362.30	4,332.00	4,253.57	4,209.03	10.89	10.79	-102.67	72.04	-430.04	835.98	815.04	20.95	39.912	
4,400.00	4,369.70	4,290.44	4,245.10	10.91	10.88	-102.29	76.16	-436.50	841.59	820.55	21.04	40.004	
4,500.00	4,469.70	4,388.26	4,340.78	10.99	11.13	-101.33	87.07	-453.66	856.64	835.31	21.33	40.159	
4,600.00	4,569.70	4,486.07	4,436.46	11.07	11.38	-100.39	97.99	-470.82	871.92	850.30	21.62	40.322	

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

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:			Offset Well Error:		0.50 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Axis (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,700.00	4,669.70	4,583.89	4,532.13	11.16	11.64	-99.48	108.91	-487.98	887.43	865.51	21.92	40.489	
4,800.00	4,769.70	4,681.70	4,627.81	11.24	11.89	-98.61	119.83	-505.14	903.14	880.93	22.21	40.662	
4,900.00	4,869.70	4,779.52	4,723.49	11.32	12.14	-97.77	130.74	-522.30	919.06	896.56	22.50	40.839	
5,000.00	4,969.70	4,877.33	4,819.16	11.41	12.40	-96.95	141.66	-539.45	935.18	912.38	22.80	41.020	
5,100.00	5,069.70	4,975.14	4,914.84	11.49	12.66	-96.16	152.58	-556.61	951.47	928.38	23.09	41.204	
5,200.00	5,169.70	5,072.96	5,010.52	11.57	12.92	-95.40	163.50	-573.77	967.93	944.55	23.39	41.391	
5,300.00	5,269.70	5,170.77	5,106.20	11.66	13.18	-94.66	174.42	-590.93	984.56	960.88	23.68	41.579	
5,400.00	5,369.70	5,268.59	5,201.87	11.74	13.44	-93.95	185.33	-608.09	1,001.35	977.37	23.97	41.770	
5,500.00	5,469.70	5,366.40	5,297.55	11.82	13.70	-93.26	196.25	-625.24	1,018.28	994.01	24.27	41.961	
5,600.00	5,569.70	5,479.63	5,408.43	11.91	13.99	-92.51	208.56	-644.59	1,034.95	1,010.34	24.61	42.046	
5,700.00	5,669.70	5,606.80	5,533.66	11.99	14.29	-91.81	220.43	-663.24	1,049.33	1,024.32	25.01	41.954	
5,800.00	5,769.70	5,735.34	5,660.91	12.07	14.55	-91.26	230.14	-678.51	1,061.04	1,035.66	25.38	41.801	
5,900.00	5,869.70	5,864.97	5,789.78	12.16	14.78	-90.85	237.61	-690.24	1,070.00	1,044.27	25.73	41.591	
6,000.00	5,969.70	5,995.40	5,919.86	12.24	14.97	-90.57	242.74	-698.31	1,076.15	1,050.11	26.04	41.327	
6,100.00	6,069.70	6,126.34	6,050.69	12.32	15.12	-90.42	245.50	-702.64	1,079.44	1,053.13	26.31	41.026	
6,200.00	6,169.70	6,246.35	6,170.70	12.40	15.21	-90.39	246.00	-703.43	1,080.04	1,053.53	26.51	40.747	
6,300.00	6,269.70	6,346.35	6,270.70	12.49	15.27	-90.39	246.00	-703.43	1,080.04	1,053.38	26.65	40.524	
6,400.00	6,369.70	6,446.35	6,370.70	12.57	15.34	-90.39	246.00	-703.43	1,080.04	1,053.23	26.80	40.297	
6,500.00	6,469.70	6,546.35	6,470.70	12.65	15.41	-90.39	246.00	-703.43	1,080.04	1,053.08	26.95	40.072	
6,600.00	6,569.70	6,646.35	6,570.70	12.74	15.48	-90.39	246.00	-703.43	1,080.04	1,052.93	27.10	39.849	
6,700.00	6,669.70	6,746.35	6,670.70	12.82	15.55	-90.39	246.00	-703.43	1,080.04	1,052.78	27.25	39.628	
6,800.00	6,769.70	6,846.35	6,770.70	12.90	15.62	-90.39	246.00	-703.43	1,080.04	1,052.63	27.40	39.410	
6,900.00	6,869.70	6,946.35	6,870.70	12.99	15.69	-90.39	246.00	-703.43	1,080.04	1,052.48	27.56	39.194	
7,000.00	6,969.70	7,046.35	6,970.70	13.07	15.76	-90.39	246.00	-703.43	1,080.04	1,052.33	27.71	38.980	
7,100.00	7,069.70	7,146.35	7,070.70	13.15	15.84	-90.39	246.00	-703.43	1,080.04	1,052.18	27.86	38.769	
7,200.00	7,169.70	7,246.35	7,170.70	13.24	15.91	-90.39	246.00	-703.43	1,080.04	1,052.03	28.01	38.559	
7,300.00	7,269.70	7,346.35	7,270.70	13.32	15.98	-90.39	246.00	-703.43	1,080.04	1,051.87	28.16	38.352	
7,400.00	7,369.70	7,446.35	7,370.70	13.40	16.05	-90.39	246.00	-703.43	1,080.04	1,051.72	28.31	38.146	
7,500.00	7,469.70	7,546.35	7,470.70	13.48	16.12	-90.39	246.00	-703.43	1,080.04	1,051.57	28.46	37.943	
7,600.00	7,569.70	7,646.35	7,570.70	13.57	16.19	-90.39	246.00	-703.43	1,080.04	1,051.42	28.62	37.742	
7,700.00	7,669.70	7,746.35	7,670.70	13.65	16.26	-90.39	246.00	-703.43	1,080.04	1,051.27	28.77	37.543	
7,800.00	7,769.70	7,846.35	7,770.70	13.73	16.33	-90.39	246.00	-703.43	1,080.04	1,051.11	28.92	37.345	
7,900.00	7,869.70	7,946.35	7,870.70	13.82	16.40	-90.39	246.00	-703.43	1,080.04	1,050.96	29.07	37.150	
8,000.00	7,969.70	8,046.35	7,970.70	13.90	16.47	-90.39	246.00	-703.43	1,080.04	1,050.81	29.22	36.956	
8,100.00	8,069.70	8,146.35	8,070.70	13.98	16.55	-90.39	246.00	-703.43	1,080.04	1,050.66	29.38	36.765	
8,200.00	8,169.70	8,246.35	8,170.70	14.07	16.62	-90.39	246.00	-703.43	1,080.04	1,050.51	29.53	36.575	
8,300.00	8,269.70	8,346.35	8,270.70	14.15	16.69	-90.39	246.00	-703.43	1,080.04	1,050.35	29.68	36.387	
8,400.00	8,369.70	8,446.35	8,370.70	14.23	16.76	-90.39	246.00	-703.43	1,080.04	1,050.20	29.83	36.201	
8,500.00	8,469.70	8,546.35	8,470.70	14.31	16.83	-90.39	246.00	-703.43	1,080.04	1,050.05	29.99	36.016	
8,600.00	8,569.70	8,646.35	8,570.70	14.40	16.90	-90.39	246.00	-703.43	1,080.04	1,049.89	30.14	35.834	
8,700.00	8,669.70	8,746.35	8,670.70	14.48	16.98	-90.39	246.00	-703.43	1,080.04	1,049.74	30.29	35.653	
8,800.00	8,769.70	8,846.35	8,770.70	14.56	17.05	-90.39	246.00	-703.43	1,080.04	1,049.59	30.45	35.473	
8,900.00	8,869.70	8,946.35	8,870.70	14.65	17.12	-90.39	246.00	-703.43	1,080.04	1,049.44	30.60	35.296	
9,000.00	8,969.70	9,046.35	8,970.70	14.73	17.19	-90.39	246.00	-703.43	1,080.04	1,049.28	30.75	35.120	
9,100.00	9,069.70	9,146.35	9,070.70	14.81	17.27	-90.39	246.00	-703.43	1,080.04	1,049.13	30.91	34.946	
9,200.00	9,169.70	9,246.35	9,170.70	14.90	17.34	-90.39	246.00	-703.43	1,080.04	1,048.98	31.06	34.773	
9,300.00	9,269.70	9,346.35	9,270.70	14.98	17.41	-90.39	246.00	-703.43	1,080.04	1,048.82	31.21	34.602	
9,400.00	9,369.70	9,446.35	9,370.70	15.06	17.48	-90.39	246.00	-703.43	1,080.04	1,048.67	31.37	34.433	
9,500.00	9,469.70	9,546.35	9,470.70	15.14	17.56	-90.39	246.00	-703.43	1,080.04	1,048.52	31.52	34.265	
9,600.00	9,569.70	9,646.35	9,570.70	15.23	17.63	-90.39	246.00	-703.43	1,080.04	1,048.36	31.67	34.099	
9,700.00	9,669.70	9,746.35	9,670.70	15.31	17.70	-90.39	246.00	-703.43	1,080.04	1,048.21	31.83	33.934	
9,800.00	9,769.70	9,846.35	9,770.70	15.39	17.77	-90.39	246.00	-703.43	1,080.04	1,048.05	31.98	33.771	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)			
14,000.00	11,666.45	15,246.37	12,872.43	35.81	35.25	136.21		136.21	-2,312.49	-756.37	1,669.17	1,604.92	64.25	25.980	
14,100.00	11,667.33	15,346.37	12,873.31	37.03	36.36	136.21		136.21	-2,412.48	-755.51	1,669.17	1,603.50	65.67	25.416	
14,200.00	11,668.21	15,446.37	12,874.19	38.26	37.50	136.21		136.21	-2,512.48	-754.65	1,669.17	1,602.04	67.13	24.865	
14,300.00	11,669.08	15,546.37	12,875.07	39.50	38.65	136.21		136.21	-2,612.47	-753.79	1,669.17	1,600.56	68.61	24.328	
14,400.00	11,669.96	15,646.37	12,875.94	40.75	39.82	136.21		136.21	-2,712.46	-752.93	1,669.17	1,599.05	70.12	23.804	
14,500.00	11,670.84	15,746.37	12,876.82	42.00	40.99	136.21		136.21	-2,812.45	-752.07	1,669.18	1,597.52	71.65	23.295	
14,600.00	11,671.71	15,846.37	12,877.70	43.27	42.19	136.21		136.21	-2,912.45	-751.21	1,669.18	1,595.97	73.21	22.800	
14,700.00	11,672.59	15,946.37	12,878.58	44.53	43.39	136.21		136.21	-3,012.44	-750.35	1,669.18	1,594.39	74.79	22.319	
14,800.00	11,673.46	16,046.37	12,879.46	45.81	44.60	136.21		136.21	-3,112.43	-749.49	1,669.18	1,592.79	76.39	21.852	
14,900.00	11,674.34	16,146.37	12,880.33	47.09	45.82	136.21		136.21	-3,212.42	-748.63	1,669.18	1,591.18	78.00	21.399	
15,000.00	11,675.22	16,246.37	12,881.21	48.37	47.05	136.21		136.21	-3,312.42	-747.77	1,669.18	1,589.55	79.64	20.960	
15,100.00	11,676.09	16,346.37	12,882.09	49.66	48.29	136.21		136.21	-3,412.41	-746.91	1,669.18	1,587.90	81.29	20.534	
15,200.00	11,676.97	16,446.37	12,882.97	50.96	49.53	136.21		136.21	-3,512.40	-746.05	1,669.19	1,586.23	82.96	20.122	
15,300.00	11,677.85	16,546.37	12,883.85	52.26	50.78	136.21		136.21	-3,612.39	-745.19	1,669.19	1,584.55	84.64	19.722	
15,400.00	11,678.72	16,646.37	12,884.72	53.56	52.04	136.21		136.21	-3,712.39	-744.33	1,669.19	1,582.86	86.33	19.334	
15,500.00	11,679.60	16,746.37	12,885.60	54.86	53.30	136.21		136.21	-3,812.38	-743.47	1,669.19	1,581.15	88.04	18.959	
15,600.00	11,680.48	16,846.37	12,886.48	56.17	54.57	136.21		136.21	-3,912.37	-742.61	1,669.19	1,579.43	89.76	18.596	
15,700.00	11,681.35	16,946.37	12,887.36	57.48	55.84	136.21		136.21	-4,012.36	-741.75	1,669.19	1,577.70	91.49	18.244	
15,800.00	11,682.23	17,046.37	12,888.24	58.79	57.12	136.21		136.21	-4,112.36	-740.89	1,669.19	1,575.96	93.24	17.902	
15,900.00	11,683.10	17,146.37	12,889.11	60.11	58.40	136.21		136.21	-4,212.35	-740.03	1,669.20	1,574.20	94.99	17.572	
16,000.00	11,683.98	17,246.37	12,889.99	61.43	59.69	136.21		136.21	-4,312.34	-739.17	1,669.20	1,572.44	96.76	17.252	
16,100.00	11,684.86	17,346.37	12,890.87	62.75	60.98	136.21		136.21	-4,412.33	-738.31	1,669.20	1,570.67	98.53	16.941	
16,200.00	11,685.73	17,446.37	12,891.75	64.07	62.27	136.21		136.21	-4,512.33	-737.45	1,669.20	1,568.89	100.31	16.640	
16,300.00	11,686.61	17,546.37	12,892.62	65.40	63.57	136.21		136.21	-4,612.32	-736.59	1,669.20	1,567.10	102.10	16.348	
16,400.00	11,687.49	17,646.37	12,893.50	66.72	64.87	136.21		136.21	-4,712.31	-735.72	1,669.20	1,565.30	103.90	16.065	
16,500.00	11,688.36	17,746.37	12,894.38	68.05	66.17	136.21		136.21	-4,812.30	-734.86	1,669.21	1,563.50	105.71	15.791	
16,600.00	11,689.24	17,846.37	12,895.26	69.38	67.48	136.21		136.21	-4,912.29	-734.00	1,669.21	1,561.69	107.52	15.525	
16,700.00	11,690.12	17,946.37	12,896.14	70.71	68.79	136.21		136.21	-5,012.29	-733.14	1,669.21	1,559.87	109.34	15.266	
16,800.00	11,690.99	18,046.37	12,897.01	72.05	70.10	136.21		136.21	-5,112.28	-732.28	1,669.21	1,558.04	111.17	15.015	
16,900.00	11,691.87	18,146.37	12,897.89	73.38	71.41	136.21		136.21	-5,212.27	-731.42	1,669.21	1,556.21	113.00	14.772	
17,000.00	11,692.75	18,246.37	12,898.77	74.72	72.72	136.21		136.21	-5,312.26	-730.56	1,669.21	1,554.38	114.84	14.535	
17,100.00	11,693.62	18,346.37	12,899.65	76.05	74.04	136.21		136.21	-5,412.26	-729.70	1,669.21	1,552.53	116.68	14.306	
17,200.00	11,694.50	18,446.37	12,900.53	77.39	75.36	136.21		136.21	-5,512.25	-728.84	1,669.22	1,550.69	118.53	14.083	
17,300.00	11,695.37	18,546.37	12,901.40	78.73	76.68	136.21		136.21	-5,612.24	-727.98	1,669.22	1,548.83	120.38	13.866	
17,400.00	11,696.25	18,646.37	12,902.28	80.07	78.00	136.21		136.21	-5,712.23	-727.12	1,669.22	1,546.97	122.24	13.655	
17,500.00	11,697.13	18,746.37	12,903.16	81.41	79.33	136.21		136.21	-5,812.23	-726.26	1,669.22	1,545.11	124.11	13.450	
17,600.00	11,698.00	18,846.37	12,904.04	82.75	80.65	136.21		136.21	-5,912.22	-725.40	1,669.22	1,543.25	125.98	13.250	
17,700.00	11,698.88	18,946.37	12,904.92	84.10	81.98	136.22		136.22	-6,012.21	-724.54	1,669.22	1,541.37	127.85	13.056	
17,800.00	11,699.76	19,046.37	12,905.79	85.44	83.31	136.22		136.22	-6,112.20	-723.68	1,669.22	1,539.50	129.73	12.867	
17,900.00	11,700.63	19,146.37	12,906.67	86.79	84.64	136.22		136.22	-6,212.20	-722.82	1,669.23	1,537.62	131.61	12.684	
18,000.00	11,701.51	19,246.37	12,907.55	88.13	85.97	136.22		136.22	-6,312.19	-721.96	1,669.23	1,535.74	133.49	12.505	
18,100.00	11,702.39	19,346.37	12,908.43	89.48	87.30	136.22		136.22	-6,412.18	-721.10	1,669.23	1,533.85	135.38	12.330	
18,200.00	11,703.26	19,446.37	12,909.30	90.83	88.63	136.22		136.22	-6,512.17	-720.24	1,669.23	1,531.96	137.27	12.160	
18,300.00	11,704.14	19,546.37	12,910.18	92.17	89.97	136.22		136.22	-6,612.17	-719.38	1,669.23	1,530.07	139.16	11.995	
18,400.00	11,705.02	19,646.37	12,911.06	93.52	91.30	136.22		136.22	-6,712.16	-718.52	1,669.23	1,528.17	141.06	11.834	
18,500.00	11,705.89	19,746.37	12,911.94	94.87	92.64	136.22		136.22	-6,812.15	-717.66	1,669.24	1,526.27	142.96	11.676	
18,600.00	11,706.77	19,846.37	12,912.82	96.22	93.98	136.22		136.22	-6,912.14	-716.80	1,669.24	1,524.37	144.86	11.523	
18,700.00	11,707.64	19,946.37	12,913.69	97.57	95.32	136.22		136.22	-7,012.14	-715.94	1,669.24	1,522.47	146.77	11.373	
18,800.00	11,708.52	20,046.37	12,914.57	98.92	96.66	136.22		136.22	-7,112.13	-715.08	1,669.24	1,520.56	148.68	11.227	
18,900.00	11,709.40	20,146.37	12,915.45	100.27	98.00	136.22		136.22	-7,212.12	-714.22	1,669.24	1,518.65	150.59	11.085	
19,000.00	11,710.27	20,246.37	12,916.33	101.62	99.34	136.22		136.22	-7,312.11	-713.36	1,669.24	1,516.74	152.50	10.946	
19,100.00	11,711.15	20,346.37	12,917.21	102.97	100.68	136.22		136.22	-7,412.11	-712.50	1,669.24	1,514.82	154.42	10.810	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:				Offset Well Error: 0.50 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Axis (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
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	CC, ES
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	399.99	399.99	399.99	2.41	2.33	151.13	-50.00	-25.00	57.04	52.32	4.72	12.078	
500.00	499.91	499.91	499.91	2.79	2.63	152.91	-50.00	-25.00	60.51	55.12	5.39	11.231	
600.00	599.69	599.69	599.69	3.12	2.91	155.44	-50.00	-25.00	66.40	60.41	6.00	11.076	
633.33	632.91	632.91	632.91	3.15	2.99	156.38	-50.00	-25.00	68.92	62.81	6.11	11.274	
700.00	699.32	699.32	699.32	3.26	3.16	158.17	-50.00	-25.00	74.29	67.89	6.39	11.618	
800.00	798.94	798.94	798.94	3.51	3.40	160.42	-50.00	-25.00	82.45	75.56	6.89	11.973	
900.00	898.56	898.56	898.56	3.75	3.62	162.27	-50.00	-25.00	90.71	83.35	7.35	12.335	
1,000.00	998.18	998.18	998.18	3.98	3.83	163.80	-50.00	-25.00	99.05	91.25	7.80	12.695	
1,100.00	1,097.80	1,097.80	1,097.80	4.21	4.03	165.10	-50.00	-25.00	107.45	99.21	8.23	13.048	
1,200.00	1,197.42	1,197.42	1,197.42	4.44	4.23	166.21	-50.00	-25.00	115.89	107.24	8.65	13.392	
1,300.00	1,297.04	1,297.04	1,297.04	4.66	4.41	167.16	-50.00	-25.00	124.38	115.32	9.06	13.726	
1,400.00	1,396.66	1,396.66	1,396.66	4.87	4.60	168.00	-50.00	-25.00	132.89	123.43	9.46	14.049	
1,500.00	1,496.28	1,496.28	1,496.28	5.08	4.77	168.73	-50.00	-25.00	141.43	131.58	9.85	14.362	
1,600.00	1,595.90	1,598.96	1,598.95	5.29	4.98	169.10	-49.84	-23.73	149.00	138.75	10.25	14.533	
1,700.00	1,695.52	1,702.04	1,701.95	5.50	5.17	168.81	-49.35	-19.70	154.46	143.82	10.64	14.516	
1,800.00	1,795.14	1,805.26	1,804.93	5.71	5.36	167.91	-48.51	-12.90	157.81	146.80	11.01	14.329	
1,900.00	1,894.76	1,906.08	1,905.38	5.91	5.45	166.60	-47.46	-4.28	159.68	148.38	11.30	14.133	
2,000.00	1,994.38	2,006.00	2,004.92	6.11	5.60	165.32	-46.39	4.36	161.55	149.90	11.65	13.869	
2,100.00	2,094.00	2,105.91	2,104.45	6.31	5.76	164.07	-45.33	13.01	163.50	151.51	12.00	13.628	
2,200.00	2,193.62	2,206.01	2,204.17	6.52	5.92	162.84	-44.27	21.67	165.53	153.17	12.36	13.394	
2,206.41	2,200.00	2,212.70	2,210.83	6.53	5.93	162.76	-44.19	22.26	165.65	153.27	12.38	13.378	
2,300.00	2,293.13	2,310.40	2,308.04	6.73	6.10	161.61	-42.16	31.86	167.27	154.55	12.73	13.142	
2,400.00	2,392.34	2,414.83	2,411.66	6.97	6.29	160.50	-38.19	44.21	168.88	155.76	13.12	12.869	
2,500.00	2,491.20	2,519.30	2,514.95	7.20	6.49	159.51	-32.38	58.71	170.35	156.83	13.52	12.598	
2,539.71	2,530.34	2,560.79	2,555.85	7.26	6.57	159.15	-29.55	65.06	170.89	157.24	13.65	12.523	
2,600.00	2,589.72	2,623.80	2,617.82	7.35	6.69	158.57	-24.71	75.35	171.21	157.36	13.85	12.364	
2,700.00	2,688.20	2,727.13	2,719.06	7.56	6.89	157.44	-15.36	93.82	169.74	155.51	14.23	11.927	
2,800.00	2,786.68	2,827.05	2,816.79	7.76	7.05	156.25	-5.82	112.27	167.60	152.98	14.62	11.465	
2,900.00	2,885.16	2,926.96	2,914.52	7.97	7.23	155.02	3.72	130.72	165.53	150.52	15.01	11.027	
3,000.00	2,983.64	3,026.88	3,012.26	8.18	7.40	153.77	13.26	149.16	163.54	148.13	15.41	10.614	
3,100.00	3,082.12	3,126.79	3,109.99	8.38	7.57	152.49	22.80	167.61	161.62	145.81	15.81	10.223	
3,200.00	3,180.60	3,226.71	3,207.72	8.59	7.75	151.18	32.34	186.06	159.79	143.58	16.21	9.855	
3,300.00	3,279.09	3,326.62	3,305.46	8.80	7.93	149.84	41.88	204.50	158.05	141.43	16.62	9.507	
3,400.00	3,377.57	3,426.54	3,403.19	9.00	8.12	148.47	51.42	222.95	156.40	139.35	17.04	9.178	
3,500.00	3,476.05	3,526.45	3,500.92	9.21	8.35	147.07	60.96	241.40	154.83	137.37	17.46	8.868	
3,600.00	3,574.53	3,626.37	3,598.66	9.42	8.58	145.64	70.50	259.84	153.36	135.48	17.88	8.576	
3,695.67	3,668.75	3,721.96	3,692.16	9.61	8.80	144.25	79.63	277.49	152.05	133.76	18.29	8.314	
3,700.00	3,673.01	3,726.28	3,696.39	9.62	8.81	144.19	80.04	278.29	151.99	133.68	18.30	8.303	
3,800.00	3,771.73	3,826.14	3,794.06	9.84	9.05	142.36	89.57	296.73	149.59	130.84	18.74	7.980	
3,900.00	3,870.82	3,925.84	3,891.58	10.06	9.29	139.80	99.09	315.13	145.33	126.16	19.17	7.579	
4,000.00	3,970.24	4,025.30	3,988.88	10.27	9.53	136.35	108.59	333.50	139.47	119.88	19.59	7.119	
4,100.00	4,069.90	4,124.48	4,085.88	10.47	9.77	131.79	118.06	351.81	132.38	112.39	19.99	6.624	
4,200.00	4,169.75	4,223.29	4,182.54	10.66	10.01	125.81	127.49	370.05	124.64	104.29	20.35	6.124	
4,300.00	4,269.70	4,321.66	4,278.76	10.84	10.26	118.07	136.89	388.21	117.15	96.48	20.68	5.666	
4,362.30	4,332.00	4,382.71	4,338.48	10.89	10.41	168.30	142.72	399.48	113.16	92.33	20.83	5.433	
4,400.00	4,369.70	4,419.58	4,374.54	10.91	10.50	164.50	146.24	406.29	111.26	90.36	20.91	5.322	
4,500.00	4,469.70	4,517.40	4,470.22	10.99	10.75	153.96	155.58	424.35	108.82	87.66	21.15	5.144	
4,512.23	4,481.92	4,529.36	4,481.92	11.00	10.78	152.65	156.72	426.56	108.79	87.60	21.18	5.135	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error: 0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Axis (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,800.00	9,769.70	9,836.67	9,769.70	15.39	16.56	89.61	254.99	616.57	240.00	209.08	30.91	7.763	
9,900.00	9,869.70	9,936.67	9,869.70	15.48	16.64	89.61	254.99	616.57	240.00	208.92	31.07	7.724	
10,000.00	9,969.70	10,036.67	9,969.70	15.56	16.72	89.61	254.99	616.57	240.00	208.77	31.23	7.685	
10,100.00	10,069.70	10,136.67	10,069.70	15.64	16.79	89.61	254.99	616.57	240.00	208.61	31.39	7.647	
10,200.00	10,169.70	10,236.67	10,169.70	15.72	16.87	89.61	254.99	616.57	240.00	208.45	31.54	7.609	
10,300.00	10,269.70	10,336.67	10,269.70	15.81	16.94	89.61	254.99	616.57	240.00	208.30	31.70	7.571	
10,400.00	10,369.70	10,436.67	10,369.70	15.89	17.02	89.61	254.99	616.57	240.00	208.14	31.86	7.533	
10,500.00	10,469.70	10,536.67	10,469.70	15.97	17.10	89.61	254.99	616.57	240.00	207.98	32.02	7.496	
10,600.00	10,569.70	10,636.67	10,569.70	16.06	17.17	89.61	254.99	616.57	240.00	207.82	32.17	7.459	
10,700.00	10,669.70	10,736.67	10,669.70	16.14	17.25	89.61	254.99	616.57	240.00	207.66	32.33	7.423	
10,800.00	10,769.70	10,836.67	10,769.70	16.22	17.33	89.61	254.99	616.57	240.00	207.51	32.49	7.387	
10,900.00	10,869.70	10,936.67	10,869.70	16.30	17.40	89.61	254.99	616.57	240.00	207.35	32.65	7.351	
11,000.00	10,969.70	11,036.67	10,969.70	16.39	17.48	89.61	254.99	616.57	240.00	207.19	32.80	7.316	
11,100.00	11,069.70	11,136.67	11,069.70	16.47	17.56	89.61	254.99	616.57	240.00	207.03	32.97	7.280	
11,106.30	11,076.00	11,142.98	11,076.00	16.48	17.56	89.61	254.99	616.57	240.00	207.02	32.98	7.278	
11,128.41	11,098.10	11,165.08	11,098.10	16.49	17.58	-90.00	254.99	616.57	240.00	207.00	33.00	7.274	
11,150.00	11,119.65	11,186.63	11,119.65	16.50	17.59	-90.29	254.99	616.57	240.00	206.99	33.01	7.270	
11,200.00	11,169.28	11,236.26	11,169.28	16.52	17.63	-91.70	254.99	616.57	240.10	207.08	33.03	7.270	
11,250.00	11,218.19	11,285.17	11,218.19	16.54	17.67	-94.04	254.99	616.57	240.63	207.60	33.03	7.285	
11,300.00	11,266.03	11,333.01	11,266.03	16.57	17.71	-97.17	254.99	616.57	242.12	209.08	33.04	7.328	
11,350.00	11,312.42	11,379.39	11,312.42	16.60	17.74	-100.88	254.99	616.57	245.28	212.21	33.07	7.418	
11,400.00	11,357.00	11,423.98	11,357.00	16.63	17.78	-104.89	254.99	616.57	250.91	217.79	33.12	7.575	
11,450.00	11,399.45	11,466.43	11,399.45	16.67	17.81	-108.91	254.99	616.57	259.84	226.62	33.23	7.820	
11,500.00	11,439.44	11,506.42	11,439.44	16.71	17.84	-112.66	254.99	616.57	272.75	239.37	33.38	8.172	
11,550.00	11,476.66	11,543.64	11,476.66	16.75	17.87	-115.89	254.99	616.57	290.09	256.52	33.57	8.641	
11,600.00	11,510.83	11,577.81	11,510.83	16.80	17.89	-118.42	254.99	616.57	312.04	278.25	33.79	9.234	
11,650.00	11,541.70	11,608.67	11,541.70	16.85	17.92	-120.09	254.99	616.57	338.53	304.51	34.02	9.951	
11,700.00	11,569.01	11,635.99	11,569.01	16.91	17.94	-120.78	254.99	616.57	369.24	335.00	34.24	10.783	
11,750.00	11,592.58	11,659.56	11,592.58	16.99	17.96	-120.34	254.99	616.57	403.76	369.31	34.45	11.721	
11,800.00	11,612.22	11,679.19	11,612.22	17.07	17.97	-118.55	254.99	616.57	441.57	406.94	34.63	12.751	
11,850.00	11,627.77	11,694.75	11,627.77	17.17	17.98	-115.15	254.99	616.57	482.14	447.34	34.79	13.858	
11,900.00	11,639.12	11,706.10	11,639.12	17.28	17.99	-109.74	254.99	616.57	524.91	489.99	34.93	15.028	
11,950.00	11,646.19	11,713.17	11,646.19	17.41	18.00	-101.92	254.99	616.57	569.37	534.33	35.04	16.247	
12,000.00	11,648.92	11,715.90	11,648.92	17.55	18.00	-91.49	254.99	616.57	614.99	579.85	35.14	17.501	
12,001.28	11,648.94	11,715.91	11,648.94	17.56	18.00	-91.19	254.99	616.57	616.17	581.03	35.14	17.533	
12,100.00	11,649.80	11,716.78	11,649.80	17.91	18.00	-91.39	254.99	616.57	708.13	672.84	35.29	20.064	
12,200.00	11,650.68	11,717.66	11,650.68	18.35	18.00	-91.60	254.99	616.57	802.93	767.51	35.41	22.674	
12,300.00	11,651.55	11,718.53	11,651.55	18.88	18.00	-91.81	254.99	616.57	898.85	863.34	35.51	25.315	
12,400.00	11,652.43	11,719.41	11,652.43	19.49	18.00	-92.02	254.99	616.57	995.57	959.98	35.59	27.975	
12,500.00	11,653.31	11,720.28	11,653.31	20.18	18.00	-92.23	254.99	616.57	1,092.89	1,057.23	35.66	30.648	
12,600.00	11,654.18	11,721.16	11,654.18	20.94	18.00	-92.44	254.99	616.57	1,190.64	1,154.92	35.72	33.329	
12,700.00	11,655.06	13,938.40	12,863.95	21.77	22.91	-172.23	-1,001.32	552.42	1,220.15	1,165.09	55.05	22.162	
12,800.00	11,655.94	14,038.40	12,864.82	22.65	23.71	-172.23	-1,101.31	553.28	1,220.14	1,164.86	55.28	22.071	
12,900.00	11,656.81	14,138.40	12,865.68	23.58	24.56	-172.23	-1,201.30	554.15	1,220.13	1,164.61	55.52	21.975	
13,000.00	11,657.69	14,238.40	12,866.55	24.56	25.46	-172.23	-1,301.29	555.01	1,220.12	1,164.34	55.78	21.873	
13,100.00	11,658.57	14,338.40	12,867.42	25.57	26.40	-172.23	-1,401.29	555.87	1,220.11	1,164.06	56.06	21.765	
13,200.00	11,659.44	14,438.40	12,868.29	26.62	27.37	-172.23	-1,501.28	556.73	1,220.10	1,163.76	56.35	21.653	
13,300.00	11,660.32	14,538.40	12,869.16	27.69	28.38	-172.23	-1,601.27	557.59	1,220.10	1,163.44	56.65	21.536	
13,400.00	11,661.19	14,638.40	12,870.02	28.80	29.42	-172.23	-1,701.26	558.45	1,220.09	1,163.11	56.97	21.415	
13,500.00	11,662.07	14,738.40	12,870.89	29.92	30.48	-172.23	-1,801.26	559.31	1,220.08	1,162.77	57.31	21.290	
13,600.00	11,662.95	14,838.40	12,871.76	31.07	31.57	-172.23	-1,901.25	560.17	1,220.07	1,162.41	57.66	21.160	
13,700.00	11,663.82	14,938.40	12,872.63	32.23	32.69	-172.23	-2,001.24	561.03	1,220.06	1,162.04	58.02	21.027	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)			
13,800.00	11,664.70	15,038.40	12,873.50	33.41	33.82	-172.23	-172.23	-172.23	-2,101.23	561.89	1,220.05	1,161.65	58.40	20.891	
13,900.00	11,665.58	15,138.40	12,874.36	34.61	34.96	-172.23	-172.23	-172.23	-2,201.23	562.75	1,220.05	1,161.25	58.79	20.752	
14,000.00	11,666.45	15,238.40	12,875.23	35.81	36.13	-172.23	-172.23	-172.23	-2,301.22	563.61	1,220.04	1,160.84	59.20	20.610	
14,100.00	11,667.33	15,338.40	12,876.10	37.03	37.31	-172.23	-172.23	-172.23	-2,401.21	564.47	1,220.03	1,160.41	59.62	20.465	
14,200.00	11,668.21	15,438.40	12,876.97	38.26	38.50	-172.23	-172.23	-172.23	-2,501.20	565.33	1,220.02	1,159.97	60.05	20.318	
14,300.00	11,669.08	15,538.40	12,877.84	39.50	39.70	-172.23	-172.23	-172.23	-2,601.20	566.20	1,220.01	1,159.52	60.49	20.168	
14,400.00	11,669.96	15,638.40	12,878.70	40.75	40.91	-172.23	-172.23	-172.23	-2,701.19	567.06	1,220.00	1,159.06	60.95	20.017	
14,500.00	11,670.84	15,738.40	12,879.57	42.00	42.14	-172.23	-172.23	-172.23	-2,801.18	567.92	1,220.00	1,158.58	61.42	19.865	
14,600.00	11,671.71	15,838.40	12,880.44	43.27	43.37	-172.23	-172.23	-172.23	-2,901.17	568.78	1,219.99	1,158.09	61.90	19.710	
14,700.00	11,672.59	15,938.40	12,881.31	44.53	44.61	-172.23	-172.23	-172.23	-3,001.17	569.64	1,219.98	1,157.59	62.39	19.555	
14,800.00	11,673.46	16,038.40	12,882.18	45.81	45.86	-172.23	-172.23	-172.23	-3,101.16	570.50	1,219.97	1,157.08	62.89	19.399	
14,900.00	11,674.34	16,138.40	12,883.04	47.09	47.11	-172.23	-172.23	-172.23	-3,201.15	571.36	1,219.96	1,156.56	63.40	19.241	
15,000.00	11,675.22	16,238.40	12,883.91	48.37	48.38	-172.23	-172.23	-172.23	-3,301.14	572.22	1,219.95	1,156.03	63.93	19.083	
15,100.00	11,676.09	16,338.40	12,884.78	49.66	49.64	-172.23	-172.23	-172.23	-3,401.14	573.08	1,219.95	1,155.48	64.46	18.925	
15,200.00	11,676.97	16,438.40	12,885.65	50.96	50.91	-172.23	-172.23	-172.23	-3,501.13	573.94	1,219.94	1,154.93	65.01	18.766	
15,300.00	11,677.85	16,538.40	12,886.52	52.26	52.19	-172.23	-172.23	-172.23	-3,601.12	574.80	1,219.93	1,154.37	65.56	18.607	
15,400.00	11,678.72	16,638.40	12,887.38	53.56	53.47	-172.23	-172.23	-172.23	-3,701.11	575.66	1,219.92	1,153.79	66.13	18.448	
15,500.00	11,679.60	16,738.40	12,888.25	54.86	54.76	-172.23	-172.23	-172.23	-3,801.11	576.52	1,219.91	1,153.21	66.70	18.289	
15,600.00	11,680.48	16,838.40	12,889.12	56.17	56.05	-172.23	-172.23	-172.23	-3,901.10	577.38	1,219.90	1,152.62	67.28	18.131	
15,700.00	11,681.35	16,938.40	12,889.99	57.48	57.35	-172.23	-172.23	-172.23	-4,001.09	578.25	1,219.90	1,152.02	67.88	17.972	
15,800.00	11,682.23	17,038.40	12,890.86	58.79	58.64	-172.23	-172.23	-172.23	-4,101.08	579.11	1,219.89	1,151.41	68.48	17.815	
15,900.00	11,683.10	17,138.40	12,891.72	60.11	59.94	-172.23	-172.23	-172.23	-4,201.08	579.97	1,219.88	1,150.79	69.09	17.657	
16,000.00	11,683.98	17,238.40	12,892.59	61.43	61.25	-172.23	-172.23	-172.23	-4,301.07	580.83	1,219.87	1,150.17	69.70	17.501	
16,100.00	11,684.86	17,338.40	12,893.46	62.75	62.55	-172.23	-172.23	-172.23	-4,401.06	581.69	1,219.86	1,149.53	70.33	17.345	
16,200.00	11,685.73	17,438.40	12,894.33	64.07	63.86	-172.23	-172.23	-172.23	-4,501.05	582.55	1,219.85	1,148.89	70.96	17.190	
16,300.00	11,686.61	17,538.40	12,895.20	65.40	65.18	-172.22	-172.22	-172.22	-4,601.05	583.41	1,219.85	1,148.24	71.60	17.036	
16,400.00	11,687.49	17,638.40	12,896.06	66.72	66.49	-172.22	-172.22	-172.22	-4,701.04	584.27	1,219.84	1,147.59	72.25	16.883	
16,500.00	11,688.36	17,738.40	12,896.93	68.05	67.81	-172.22	-172.22	-172.22	-4,801.03	585.13	1,219.83	1,146.92	72.91	16.731	
16,600.00	11,689.24	17,838.40	12,897.80	69.38	69.13	-172.22	-172.22	-172.22	-4,901.02	585.99	1,219.82	1,146.25	73.57	16.581	
16,700.00	11,690.12	17,938.40	12,898.67	70.71	70.45	-172.22	-172.22	-172.22	-5,001.02	586.85	1,219.81	1,145.57	74.24	16.431	
16,800.00	11,690.99	18,038.40	12,899.54	72.05	71.77	-172.22	-172.22	-172.22	-5,101.01	587.71	1,219.80	1,144.89	74.91	16.283	
16,900.00	11,691.87	18,138.40	12,900.40	73.38	73.09	-172.22	-172.22	-172.22	-5,201.00	588.57	1,219.80	1,144.20	75.60	16.136	
17,000.00	11,692.75	18,238.40	12,901.27	74.72	74.42	-172.22	-172.22	-172.22	-5,301.00	589.43	1,219.79	1,143.50	76.29	15.990	
17,100.00	11,693.62	18,338.40	12,902.14	76.05	75.75	-172.22	-172.22	-172.22	-5,400.99	590.30	1,219.78	1,142.80	76.98	15.845	
17,200.00	11,694.50	18,438.40	12,903.01	77.39	77.08	-172.22	-172.22	-172.22	-5,500.98	591.16	1,219.77	1,142.09	77.68	15.702	
17,300.00	11,695.37	18,538.40	12,903.88	78.73	78.41	-172.22	-172.22	-172.22	-5,600.97	592.02	1,219.76	1,141.37	78.39	15.561	
17,400.00	11,696.25	18,638.40	12,904.74	80.07	79.74	-172.22	-172.22	-172.22	-5,700.97	592.88	1,219.75	1,140.65	79.10	15.420	
17,500.00	11,697.13	18,738.40	12,905.61	81.41	81.07	-172.22	-172.22	-172.22	-5,800.96	593.74	1,219.75	1,139.93	79.82	15.282	
17,600.00	11,698.00	18,838.40	12,906.48	82.75	82.40	-172.22	-172.22	-172.22	-5,900.95	594.60	1,219.74	1,139.20	80.54	15.144	
17,700.00	11,698.88	18,938.40	12,907.35	84.10	83.74	-172.22	-172.22	-172.22	-6,000.94	595.46	1,219.73	1,138.46	81.27	15.009	
17,800.00	11,699.76	19,038.40	12,908.22	85.44	85.08	-172.22	-172.22	-172.22	-6,100.94	596.32	1,219.72	1,137.72	82.00	14.874	
17,900.00	11,700.63	19,138.40	12,909.09	86.79	86.41	-172.22	-172.22	-172.22	-6,200.93	597.18	1,219.71	1,136.97	82.74	14.741	
18,000.00	11,701.51	19,238.40	12,909.95	88.13	87.75	-172.22	-172.22	-172.22	-6,300.92	598.04	1,219.70	1,136.22	83.48	14.610	
18,100.00	11,702.39	19,338.40	12,910.82	89.48	89.09	-172.22	-172.22	-172.22	-6,400.91	598.90	1,219.70	1,135.46	84.23	14.480	
18,200.00	11,703.26	19,438.40	12,911.69	90.83	90.43	-172.22	-172.22	-172.22	-6,500.91	599.76	1,219.69	1,134.70	84.98	14.352	
18,300.00	11,704.14	19,538.40	12,912.56	92.17	91.77	-172.22	-172.22	-172.22	-6,600.90	600.62	1,219.68	1,133.94	85.74	14.225	
18,400.00	11,705.02	19,638.40	12,913.43	93.52	93.12	-172.22	-172.22	-172.22	-6,700.89	601.48	1,219.67	1,133.17	86.50	14.100	
18,500.00	11,705.89	19,738.40	12,914.29	94.87	94.46	-172.22	-172.22	-172.22	-6,800.88	602.35	1,219.66	1,132.40	87.27	13.976	
18,600.00	11,706.77	19,838.40	12,915.16	96.22	95.80	-172.22	-172.22	-172.22	-6,900.88	603.21	1,219.65	1,131.62	88.04	13.854	
18,700.00	11,707.64	19,938.40	12,916.03	97.57	97.15	-172.22	-172.22	-172.22	-7,000.87	604.07	1,219.65	1,130.84	88.81	13.733	
18,800.00	11,708.52	20,038.40	12,916.90	98.92	98.49	-172.22	-172.22	-172.22	-7,100.86	604.93	1,219.64	1,130.05	89.59	13.614	
18,900.00	11,709.40	20,138.40	12,917.77	100.27	99.84	-172.22	-172.22	-172.22	-7,200.85	605.79	1,219.63	1,129.26	90.37	13.496	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,000.00	11,710.27	20,238.40	12,918.63	101.62	101.18	-172.22	-7,300.85	606.65	1,219.62	1,128.47	91.15	13.380			
19,100.00	11,711.15	20,338.40	12,919.50	102.97	102.53	-172.22	-7,400.84	607.51	1,219.61	1,127.67	91.94	13.265			
19,200.00	11,712.03	20,438.40	12,920.37	104.33	103.88	-172.22	-7,500.83	608.37	1,219.60	1,126.87	92.73	13.152			
19,300.00	11,712.90	20,538.40	12,921.24	105.68	105.23	-172.22	-7,600.82	609.23	1,219.60	1,126.07	93.53	13.040			
19,400.00	11,713.78	20,638.40	12,922.11	107.03	106.58	-172.22	-7,700.82	610.09	1,219.59	1,125.26	94.33	12.930			
19,500.00	11,714.66	20,738.40	12,922.97	108.39	107.93	-172.22	-7,800.81	610.95	1,219.58	1,124.45	95.13	12.821			
19,600.00	11,715.53	20,838.40	12,923.84	109.74	109.28	-172.22	-7,900.80	611.81	1,219.57	1,123.64	95.93	12.713			
19,700.00	11,716.41	20,938.40	12,924.71	111.10	110.63	-172.22	-8,000.79	612.67	1,219.56	1,122.82	96.74	12.607			
19,800.00	11,717.28	21,038.40	12,925.58	112.45	111.98	-172.22	-8,100.79	613.53	1,219.55	1,122.00	97.55	12.502			
19,900.00	11,718.16	21,138.40	12,926.45	113.81	113.33	-172.22	-8,200.78	614.40	1,219.55	1,121.18	98.36	12.398			
20,000.00	11,719.04	21,238.40	12,927.31	115.16	114.68	-172.22	-8,300.77	615.26	1,219.54	1,120.36	99.18	12.296			
20,100.00	11,719.91	21,338.40	12,928.18	116.52	116.03	-172.22	-8,400.76	616.12	1,219.53	1,119.53	100.00	12.195			
20,200.00	11,720.79	21,438.40	12,929.05	117.87	117.39	-172.22	-8,500.76	616.98	1,219.52	1,118.70	100.82	12.096			
20,300.00	11,721.67	21,538.40	12,929.92	119.23	118.74	-172.22	-8,600.75	617.84	1,219.51	1,117.86	101.65	11.997			
20,400.00	11,722.54	21,638.40	12,930.79	120.59	120.09	-172.22	-8,700.74	618.70	1,219.50	1,117.03	102.48	11.900			
20,500.00	11,723.42	21,738.40	12,931.65	121.95	121.45	-172.22	-8,800.73	619.56	1,219.50	1,116.19	103.31	11.805			
20,600.00	11,724.30	21,838.40	12,932.52	123.30	122.80	-172.22	-8,900.73	620.42	1,219.49	1,115.35	104.14	11.710			
20,700.00	11,725.17	21,938.40	12,933.39	124.66	124.15	-172.22	-9,000.72	621.28	1,219.48	1,114.51	104.97	11.617			
20,800.00	11,726.05	22,038.40	12,934.26	126.02	125.51	-172.22	-9,100.71	622.14	1,219.47	1,113.66	105.81	11.525			
20,900.00	11,726.93	22,138.40	12,935.13	127.38	126.86	-172.22	-9,200.70	623.00	1,219.46	1,112.81	106.65	11.434			
21,000.00	11,727.80	22,238.40	12,935.99	128.74	128.22	-172.22	-9,300.70	623.86	1,219.45	1,111.96	107.49	11.345			
21,100.00	11,728.68	22,338.40	12,936.86	130.09	129.57	-172.22	-9,400.69	624.72	1,219.45	1,111.11	108.34	11.256			
21,200.00	11,729.55	22,438.40	12,937.73	131.45	130.93	-172.22	-9,500.68	625.58	1,219.44	1,110.26	109.18	11.169			
21,300.00	11,730.43	22,538.40	12,938.60	132.81	132.29	-172.22	-9,600.67	626.45	1,219.43	1,109.40	110.03	11.083			
21,400.00	11,731.31	22,638.40	12,939.47	134.17	133.64	-172.22	-9,700.67	627.31	1,219.42	1,108.54	110.88	10.998			
21,500.00	11,732.18	22,738.40	12,940.33	135.53	135.00	-172.22	-9,800.66	628.17	1,219.41	1,107.68	111.73	10.914			
21,600.00	11,733.06	22,838.40	12,941.20	136.89	136.36	-172.22	-9,900.65	629.03	1,219.40	1,106.82	112.59	10.831			
21,700.00	11,733.94	22,938.40	12,942.07	138.25	137.71	-172.22	-10,000.64	629.89	1,219.40	1,105.95	113.44	10.749			
21,800.00	11,734.81	23,038.40	12,942.94	139.61	139.07	-172.22	-10,100.64	630.75	1,219.39	1,105.09	114.30	10.668			
21,900.00	11,735.69	23,138.40	12,943.81	140.97	140.43	-172.22	-10,200.63	631.61	1,219.38	1,104.22	115.16	10.588			
21,935.47	11,736.00	23,173.87	12,944.11	141.45	140.91	-172.22	-10,236.09	631.91	1,219.38	1,103.91	115.46	10.561			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 223H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:			Offset Well Error:			0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,200.00	11,720.79	21,389.55	12,841.03	117.87	129.00	-126.79	-8,493.24	1,946.19	1,865.75	1,659.77	205.98	9.058	
20,300.00	11,721.67	21,489.55	12,841.56	119.23	130.36	-126.78	-8,593.23	1,947.09	1,865.58	1,657.36	208.22	8.960	
20,400.00	11,722.54	21,589.55	12,842.08	120.59	131.72	-126.77	-8,693.23	1,948.00	1,865.40	1,654.95	210.46	8.864	
20,500.00	11,723.42	21,689.54	12,842.61	121.95	133.08	-126.76	-8,793.22	1,948.91	1,865.23	1,652.53	212.70	8.769	
20,600.00	11,724.30	21,789.54	12,843.13	123.30	134.43	-126.75	-8,893.22	1,949.81	1,865.06	1,650.12	214.94	8.677	
20,700.00	11,725.17	21,889.54	12,843.66	124.66	135.79	-126.74	-8,993.21	1,950.72	1,864.88	1,647.70	217.18	8.587	
20,800.00	11,726.05	21,989.54	12,844.19	126.02	137.15	-126.73	-9,093.20	1,951.63	1,864.71	1,645.29	219.42	8.498	
20,900.00	11,726.93	22,089.54	12,844.71	127.38	138.51	-126.72	-9,193.20	1,952.53	1,864.54	1,642.87	221.67	8.411	
21,000.00	11,727.80	22,189.54	12,845.24	128.74	139.88	-126.71	-9,293.19	1,953.44	1,864.37	1,640.45	223.91	8.326	
21,100.00	11,728.68	22,289.54	12,845.76	130.09	141.24	-126.70	-9,393.18	1,954.35	1,864.19	1,638.03	226.16	8.243	
21,200.00	11,729.55	22,389.54	12,846.29	131.45	142.60	-126.69	-9,493.18	1,955.25	1,864.02	1,635.61	228.41	8.161	
21,300.00	11,730.43	22,489.54	12,846.81	132.81	143.96	-126.68	-9,593.17	1,956.16	1,863.85	1,633.19	230.66	8.081	
21,400.00	11,731.31	22,589.54	12,847.34	134.17	145.32	-126.67	-9,693.17	1,957.07	1,863.67	1,630.77	232.91	8.002	
21,500.00	11,732.18	22,689.54	12,847.87	135.53	146.68	-126.66	-9,793.16	1,957.97	1,863.50	1,628.34	235.16	7.924	
21,600.00	11,733.06	22,789.54	12,848.39	136.89	148.04	-126.65	-9,893.15	1,958.88	1,863.33	1,625.92	237.41	7.848	
21,700.00	11,733.94	22,889.54	12,848.92	138.25	149.40	-126.64	-9,993.15	1,959.79	1,863.16	1,623.49	239.67	7.774	
21,800.00	11,734.81	22,989.54	12,849.44	139.61	150.76	-126.63	-10,093.14	1,960.70	1,862.98	1,621.06	241.92	7.701	
21,900.00	11,735.69	23,089.54	12,849.97	140.97	152.13	-126.62	-10,193.14	1,961.60	1,862.81	1,618.63	244.18	7.629	
21,935.47	11,736.00	23,125.00	12,850.16	141.45	152.61	-126.62	-10,228.60	1,961.92	1,862.75	1,617.77	244.98	7.604	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

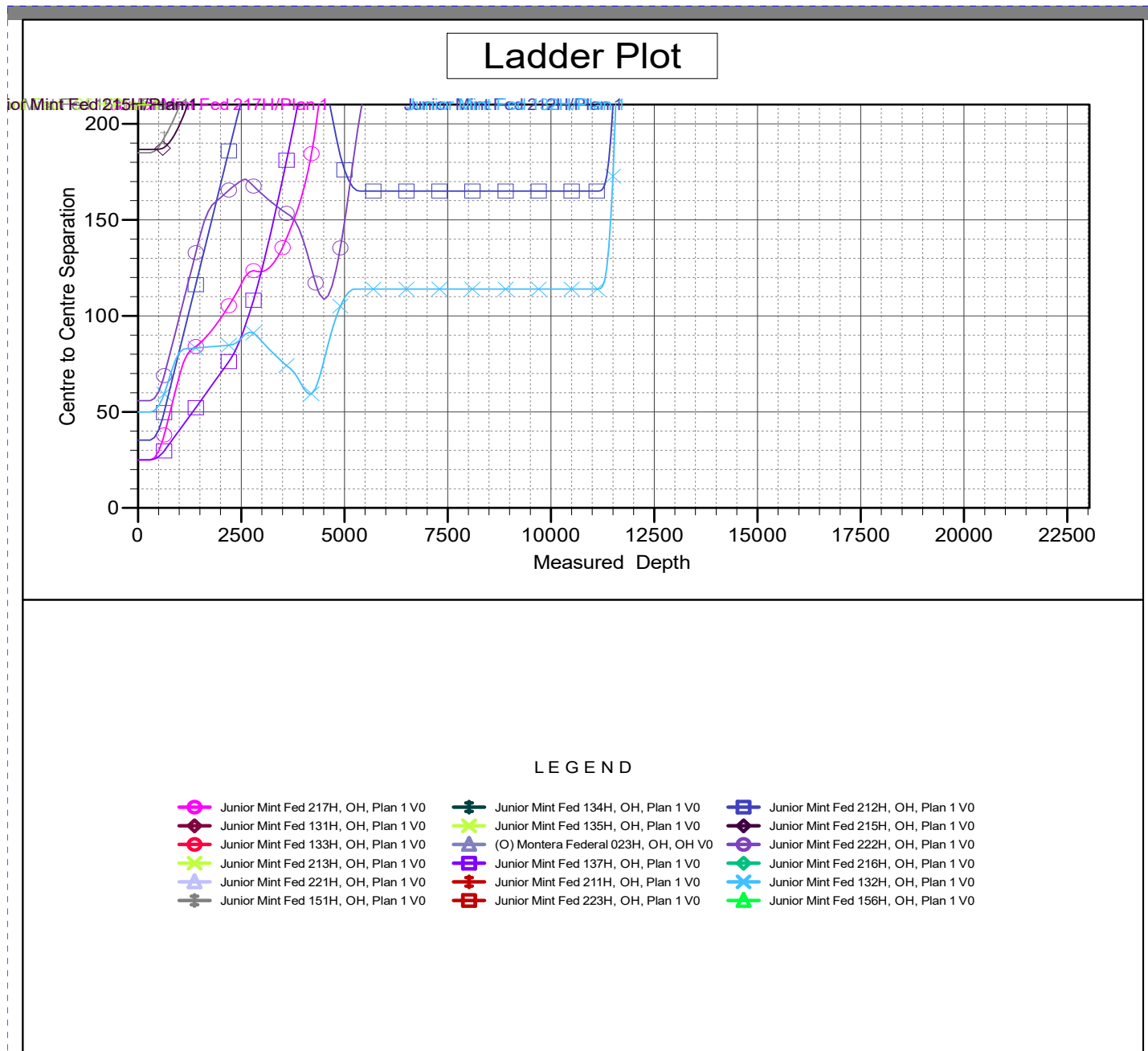
Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 152H

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°



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 152H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 152H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 152H

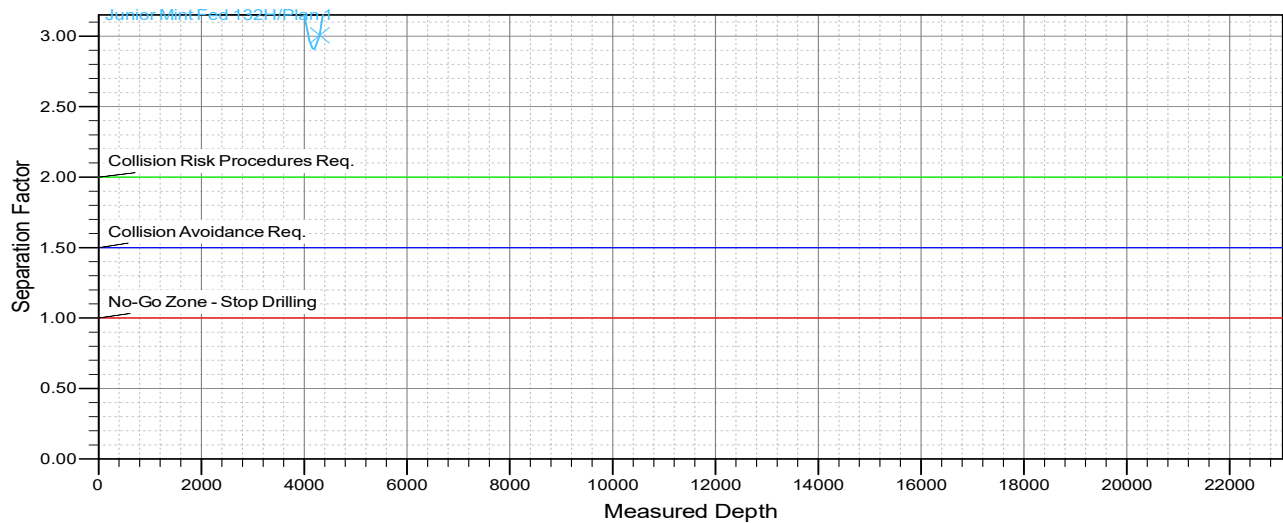
Offset Depths are relative to Offset Datum

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

Central Meridian is -104.3333333

Grid Convergence at Surface is: 0.52°

Separation Factor Plot



LEGEND

Junior Mint Fed 217H, OH, Plan 1 V0	Junior Mint Fed 134H, OH, Plan 1 V0	Junior Mint Fed 212H, OH, Plan 1 V0
Junior Mint Fed 131H, OH, Plan 1 V0	Junior Mint Fed 135H, OH, Plan 1 V0	Junior Mint Fed 215H, OH, Plan 1 V0
Junior Mint Fed 133H, OH, Plan 1 V0	(O) Montera Federal 023H, OH, OH V0	Junior Mint Fed 222H, OH, Plan 1 V0
Junior Mint Fed 213H, OH, Plan 1 V0	Junior Mint Fed 137H, OH, Plan 1 V0	Junior Mint Fed 216H, OH, Plan 1 V0
Junior Mint Fed 221H, OH, Plan 1 V0	Junior Mint Fed 211H, OH, Plan 1 V0	Junior Mint Fed 132H, OH, Plan 1 V0
Junior Mint Fed 151H, OH, Plan 1 V0	Junior Mint Fed 223H, OH, Plan 1 V0	Junior Mint Fed 156H, OH, Plan 1 V0

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 475365

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475365
	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